

Compiled by the Hydrographic Branch  
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RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO (1983)

**LOCATION.**--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

**DRAINAGE AREA.**--53 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

**REMARKS.**--Several small diversions above station.

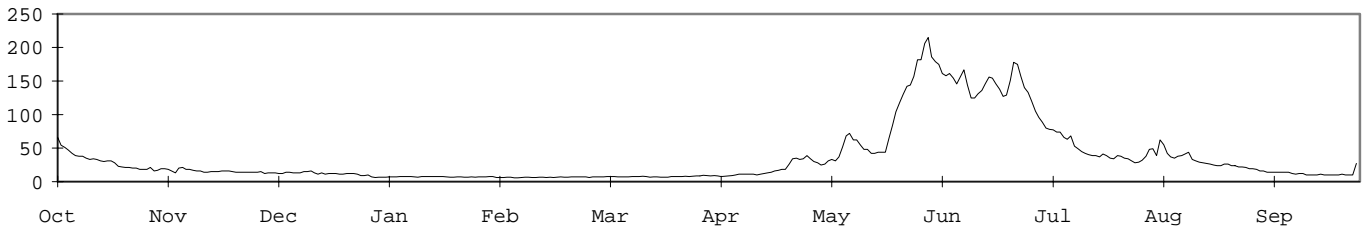
**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	18	13	6.5	6.0	7.0	9.0	30	206	120	32	19
2	54	16	12	7.0	6.0	7.0	8.5	28	215	105	38	18
3	51	13	12	7.0	6.0	7.0	9.0	25	186	96	48	16
4	47	20	14	7.0	6.5	7.5	8.5	26	179	89	49	16
5	42	21	14	7.5	6.5	7.5	7.5	31	175	80	39	14
6	39	18	13	7.5	5.5	7.5	8.0	33	161	78	62	14
7	38	18	13	7.5	5.5	7.0	8.5	31	158	77	55	14
8	38	17	13	7.5	6.0	7.0	9.0	37	161	74	42	14
9	35	16	15	7.0	6.5	7.0	10	52	154	74	37	14
10	33	16	15	6.5	6.5	7.0	11	68	146	66	35	14
11	34	14	16	7.5	6.0	7.5	11	72	156	63	38	14
12	33	14	13	7.5	6.0	7.5	11	62	167	68	39	12
13	31	15	11	7.5	6.5	7.5	11	62	144	53	41	11
14	30	15	13	7.5	6.5	8.0	11	54	125	49	44	12
15	31	15	11	7.5	6.0	7.5	10	48	125	45	33	12
16	31	16	12	7.5	6.5	6.5	11	48	131	42	31	10
17	28	16	12	7.5	6.0	7.0	12	42	136	40	29	10
18	23	16	12	7.0	6.5	7.0	13	42	146	39	28	10
19	22	15	11	6.5	7.0	6.5	14	44	156	39	27	10
20	21	14	11	6.5	6.5	6.5	16	44	154	37	26	11
21	21	14	12	7.0	6.5	6.5	17	44	146	41	25	10
22	20	14	12	7.0	7.0	7.5	18	65	138	39	24	10
23	20	14	12	6.5	7.0	7.5	18	84	127	35	24	10
24	18	14	11	6.5	7.0	7.5	26	104	129	34	26	10
25	18	14	9.0	7.0	7.0	7.5	34	118	151	39	26	10
26	18	14	9.0	6.5	7.0	8.0	35	130	178	38	24	11
27	21	15	10	7.0	6.0	7.5	33	142	175	35	24	10
28	16	12	7.0	7.0	7.0	8.0	34	144	157	34	22	10
29	17	13	6.0	7.0	---	8.5	39	157	140	31	22	10
30	19	13	6.5	7.5	---	8.5	34	182	133	28	21	27
31	19	---	6.5	7.5	---	9.5	---	182	---	29	19	---
TOTAL	934	460	357.0	220.0	179.0	229.5	497.0	2231	4655	1717	1030	383
MEAN	30.1	15.3	11.5	7.10	6.39	7.40	16.6	72.0	155	55.4	33.2	12.8
AC-FT	1850	912	708	436	355	455	986	4430	9230	3410	2040	760
MAX	66	21	16	7.5	7.0	9.5	39	182	215	120	62	27
MIN	16	12	6.0	6.5	5.5	6.5	7.5	25	125	28	19	10

CAL YR 1982 TOTAL 1751.0 MEAN 4.80 MAX 66 MIN 6.0 AC-FT 3470  
WTR YR 1983 TOTAL 12892.5 MEAN 35.3 MAX 215 MIN 5.5 AC-FT 25570

MAX DISCH 259 CFS AT 2030 01-JUN-1983 GH 2.38 FT. SHIFT 0.11 FT. MAX GH 2.38 FT. AT 2030 01-JUN-1983



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO (1984)

**LOCATION.**--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

**DRAINAGE AREA.**--53 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

**REMARKS.**--Several small diversions above station.

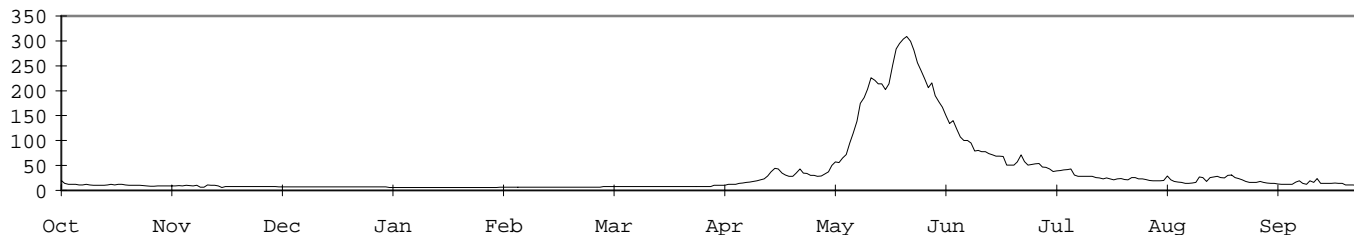
**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	9.1	7.0	5.5	6.5	8.0	10	29	216	54	20	18
2	14	9.1	7.0	5.5	6.5	8.0	10	33	190	47	19	16
3	12	9.6	7.0	5.5	6.5	8.0	10	37	177	46	19	15
4	12	9.1	7.0	5.5	6.5	8.0	10	50	167	43	19	14
5	12	10	7.0	5.5	6.5	8.0	12	57	150	38	20	14
6	11	9.6	7.0	5.5	6.5	8.0	12	56	134	39	29	13
7	11	9.1	7.0	5.5	6.5	8.0	12	65	140	40	21	12
8	12	10	7.0	5.5	6.5	8.0	14	72	122	41	18	12
9	11	6.7	7.0	5.5	6.5	8.0	15	95	107	42	17	12
10	10	6.5	7.0	5.5	6.5	8.0	16	114	100	43	16	12
11	10	11	7.0	5.5	6.5	8.0	17	139	100	31	14	17
12	10	10	7.0	5.5	6.5	8.0	18	175	95	28	14	19
13	10	10	7.0	5.5	6.5	8.0	19	186	79	28	15	14
14	11	8.7	7.0	5.5	6.5	8.0	21	203	80	28	16	12
15	12	5.6	7.0	5.5	6.5	8.0	23	226	78	28	27	19
16	11	7.5	7.0	5.5	6.5	8.0	29	221	78	28	26	16
17	12	7.5	7.0	5.5	6.5	8.0	37	214	74	26	18	24
18	12	7.5	7.0	5.5	6.5	8.0	44	214	71	25	26	14
19	11	7.5	7.0	5.5	6.5	8.0	43	202	69	23	27	14
20	10	7.5	7.0	5.5	6.5	8.0	35	214	69	25	28	14
21	10	7.5	7.0	5.5	6.5	8.0	31	251	68	23	26	14
22	10	7.5	7.0	5.5	6.5	8.0	28	284	51	21	25	15
23	10	7.5	7.0	5.5	6.5	8.0	28	295	51	23	30	14
24	9.6	7.5	7.0	5.5	6.5	8.0	35	304	51	24	31	14
25	9.1	7.5	7.0	5.5	6.5	8.0	43	309	57	22	26	11
26	8.3	7.5	7.0	5.5	6.5	8.0	35	299	71	21	24	11
27	8.3	7.5	7.0	5.5	6.5	8.0	34	281	58	26	21	11
28	9.1	7.5	7.0	5.5	6.5	8.0	30	256	51	26	18	10
29	8.7	7.5	7.0	5.5	6.5	8.0	30	240	52	23	16	11
30	9.1	7.5	7.0	5.5	---	8.0	28	224	53	23	16	10
31	9.1	---	7.0	5.5	---	8.0	---	206	---	22	16	---
TOTAL	335.3	246.6	217.0	170.5	188.5	248.0	729	5551	2859	957	658	422
MEAN	10.8	8.22	7.00	5.50	6.50	8.00	24.3	179	95.3	30.9	21.2	14.1
AC-FT	665	489	430	338	374	492	1450	11010	5670	1900	1310	837
MAX	20	11	7.0	5.5	6.5	8.0	44	309	216	54	31	24
MIN	8.3	5.6	7.0	5.5	6.5	8.0	10	29	51	21	14	10

CAL YR 1983 TOTAL 11940.4 MEAN 32.7 MAX 215 MIN 5.5 AC-FT 23680  
WTR YR 1984 TOTAL 12581.9 MEAN 34.4 MAX 309 MIN 5.5 AC-FT 24960

MAX DISCH 336 CFS AT 2100 25-MAY-1984 GH 2.81 FT. SHIFT 0.15 FT. MAX GH 2.81 FT. AT 2100 25-MAY-1984



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO (1985)

**LOCATION.**--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

**DRAINAGE AREA.**--53 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

**REMARKS.**--Several small diversions above station.

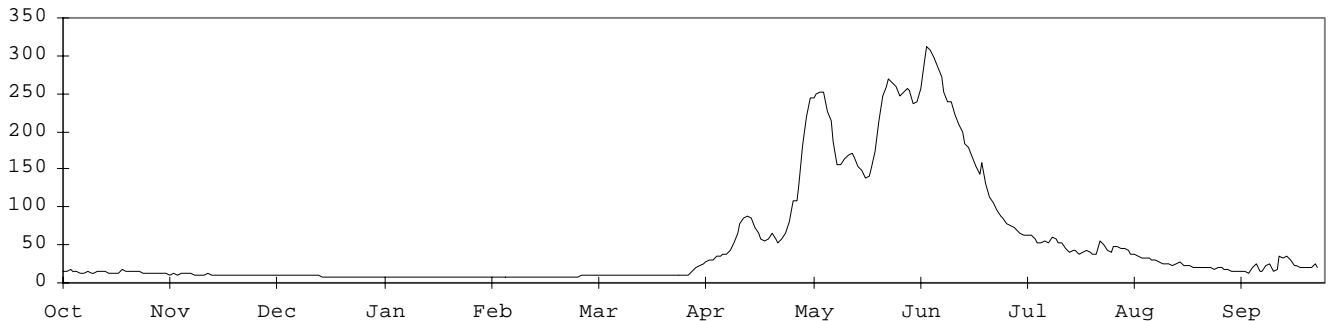
**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	9.0	7.0	7.0	9.0	10	109	246	86	41	21
2	14	11	9.0	7.0	7.0	9.0	15	108	251	79	48	20
3	16	12	9.0	7.0	7.0	9.0	20	129	258	75	47	18
4	18	11	9.0	7.0	7.0	9.0	23	181	254	72	46	18
5	16	12	9.0	7.5	7.0	9.0	25	218	236	68	46	16
6	14	12	9.0	7.5	7.0	10	27	244	238	65	43	14
7	13	12	9.0	7.5	7.0	10	29	245	258	63	39	14
8	13	12	9.0	7.5	8.0	10	31	250	294	63	37	14
9	14	10	9.0	7.5	8.0	10	34	251	312	63	35	14
10	13	10	9.0	7.5	8.0	10	36	251	306	58	33	13
11	13	10	9.0	7.5	8.0	10	38	227	297	54	33	21
12	14	10	9.0	7.5	8.0	10	37	214	284	52	33	26
13	15	12	9.0	7.0	8.0	10	42	186	273	55	30	16
14	15	10	9.0	7.0	8.5	10	53	157	251	53	29	14
15	12	10	9.0	7.0	8.5	10	65	156	240	60	28	23
16	12	10	8.0	7.0	8.5	10	79	163	238	59	26	25
17	13	10	8.0	7.0	8.5	10	86	168	222	52	25	16
18	12	10	8.0	8.0	8.5	10	87	170	210	53	24	18
19	18	10	8.0	8.0	8.5	10	86	165	200	46	23	34
20	15	10	8.0	8.0	8.5	10	73	154	185	40	26	33
21	15	10	8.0	8.0	8.5	10	65	149	179	42	27	34
22	15	10	6.5	8.0	8.5	10	58	139	167	42	23	29
23	14	10	6.5	8.0	8.5	10	55	142	154	39	22	23
24	14	10	6.5	8.0	8.5	10	59	151	144	40	22	22
25	13	10	8.0	8.0	8.5	10	65	175	158	42	21	21
26	13	9.0	8.0	8.0	8.5	10	57	215	131	41	21	19
27	13	9.0	8.0	8.0	8.5	10	54	246	113	37	19	19
28	13	9.0	8.0	8.0	8.5	10	57	260	107	38	20	21
29	12	9.0	8.0	8.0	---	9.1	65	270	96	56	19	25
30	12	9.0	8.0	8.0	---	9.0	81	265	87	50	19	20
31	12	---	8.0	8.0	---	9.0	---	260	---	42	18	---
TOTAL	427	311.0	258.5	235.0	224.5	302.1	1512	6018	6389	1685	923	621
MEAN	13.8	10.4	8.34	7.58	8.02	9.75	50.4	194	213	54.4	29.8	20.7
AC-FT	847	617	513	466	445	599	3000	11940	12670	3340	1830	1230
MAX	18	12	9.0	8.0	8.5	10	87	270	312	86	48	34
MIN	11	9.0	6.5	7.0	7.0	9.0	10	108	87	37	18	13

CAL YR 1984 TOTAL 12779.5 MEAN 34.9 MAX 309 MIN 5.5 AC-FT 25350  
WTR YR 1985 TOTAL 18906.1 MEAN 51.8 MAX 312 MIN 6.5 AC-FT 37500

MAX DISCH 336 CFS AT 2030 09-JUN-1985 GH 2.84 FT. SHIFT 0.12 FT. MAX GH 2.84 FT. AT 2030 09-JUN-1985



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO (1986)

**LOCATION.**--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

**DRAINAGE AREA.**--53 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

**REMARKS.**--Several small diversions above station.

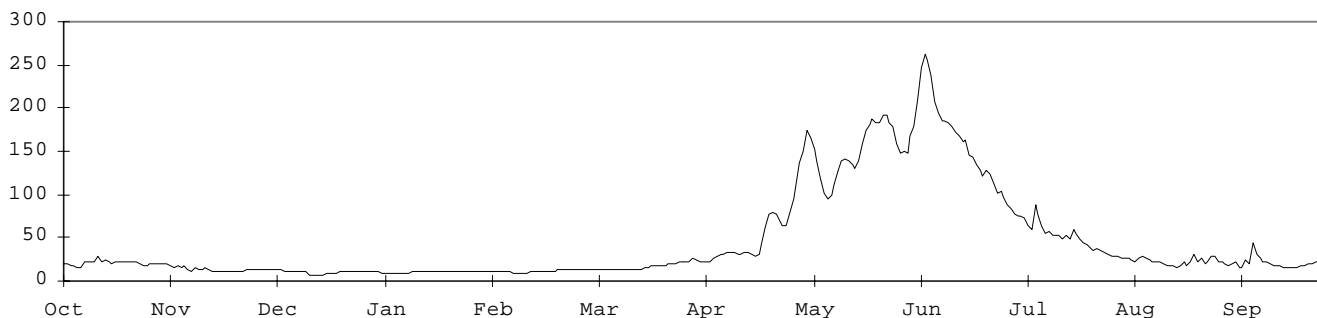
**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	18	13	9.0	12	13	26	124	151	89	28	21
2	19	16	13	9.0	12	13	25	136	147	84	28	19
3	18	17	13	9.0	12	13	22	150	167	78	26	18
4	18	16	12	9.0	10	13	21	174	179	75	26	19
5	16	17	12	9.0	10	13	21	165	210	75	26	22
6	16	14	12	9.0	10	13	23	153	248	73	24	16
7	22	12	12	9.0	10	13	26	140	263	63	23	16
8	23	15	12	9.0	8.0	13	28	120	256	60	27	24
9	23	14	12	9.0	8.0	13	30	101	238	89	28	20
10	23	14	12	10	8.0	13	31	94	208	77	26	44
11	28	15	7.0	10	8.0	14	34	99	194	63	24	31
12	23	14	7.0	10	8.0	14	34	110	186	56	23	26
13	24	10	7.0	10	10	14	34	126	186	57	23	22
14	23	12	7.0	10	10	14	31	138	184	53	21	22
15	19	10	7.0	10	11	14	31	142	178	52	19	20
16	21	10	9.0	10	11	14	34	140	171	52	18	18
17	22	11	9.0	10	11	14	32	134	168	48	18	18
18	23	11	9.0	10	11	15	30	130	161	52	18	17
19	21	11	9.0	10	11	15	29	139	163	48	16	16
20	21	10	10	10	11	18	31	158	146	60	18	16
21	21	10	10	10	13	18	42	175	143	55	23	15
22	21	10	10	10	13	18	62	181	135	49	18	15
23	19	14	10	10	13	18	78	188	127	44	22	15
24	18	14	10	10	13	18	80	184	121	41	31	18
25	18	14	10	10	13	20	78	184	127	38	23	18
26	19	14	10	10	13	20	72	191	124	36	26	19
27	19	13	10	12	13	20	64	191	112	37	20	20
28	20	13	10	12	13	21	65	182	101	35	23	21
29	19	13	10	12	---	22	80	179	103	33	28	23
30	19	13	10	12	---	23	94	158	98	31	28	20
31	19	---	10	12	---	23	---	147	---	28	21	---
TOTAL	634	395	314.0	311.0	306.0	497	1288	4633	4995	1731	723	609
MEAN	20.5	13.2	10.1	10.0	10.9	16.0	42.9	149	167	55.8	23.3	20.3
AC-FT	1260	783	623	617	607	986	2550	9190	9910	3430	1430	1210
MAX	28	18	13	12	13	23	94	191	263	89	31	44
MIN	16	10	7.0	9.0	8.0	13	21	94	98	28	16	15

CAL YR 1985 TOTAL 19252.6 MEAN 52.7 MAX 312 MIN 7.0 AC-FT 38190  
WTR YR 1986 TOTAL 16436.0 MEAN 45.0 MAX 263 MIN 7.0 AC-FT 32600

MAX DISCH 299 CFS AT 2200 06-JUN-1986 GH 2.66 FT. SHIFT 0.08 FT. MAX GH 2.66 FT. AT 2200 06-JUN-1986



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO (1987)

**LOCATION.**--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

**DRAINAGE AREA.**--53 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

**REMARKS.**--Several small diversions above station.

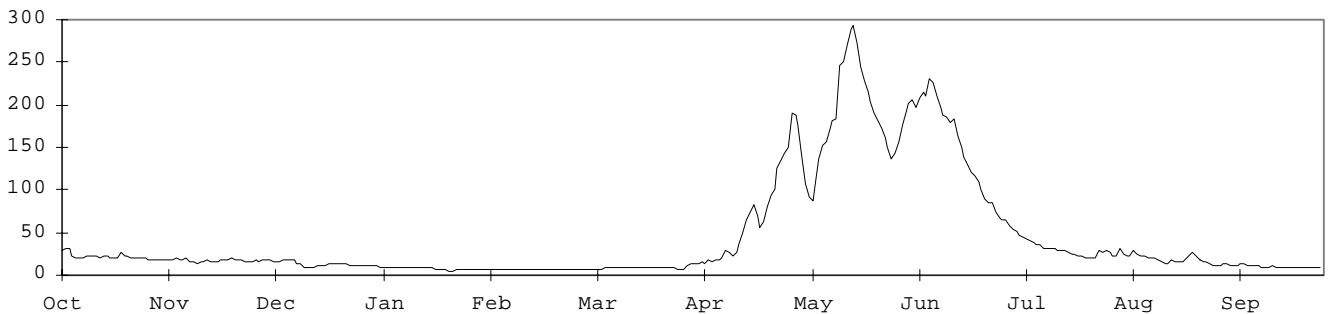
**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	17	16	9.0	7.0	6.5	14	188	177	64	23	12
2	31	18	16	9.0	7.0	7.0	14	177	192	58	23	14
3	31	20	16	9.0	7.0	7.0	13	140	202	54	31	13
4	22	18	17	9.0	7.0	7.0	16	107	206	51	24	12
5	21	18	17	10	6.5	7.0	13	91	198	48	22	12
6	21	20	17	10	6.5	7.0	17	87	208	45	23	12
7	21	16	17	10	6.5	8.5	16	105	215	42	28	13
8	22	16	14	8.0	6.5	8.5	18	136	210	41	24	14
9	23	14	14	8.0	6.5	8.5	18	153	230	38	23	12
10	22	16	10	8.0	6.5	8.5	21	157	226	36	23	11
11	23	16	10	8.0	6.5	8.0	28	172	210	35	21	11
12	21	17	10	8.5	7.5	8.0	26	182	197	32	21	11
13	22	16	10	8.5	7.5	8.0	23	184	188	31	20	9.6
14	22	16	12	8.5	7.5	9.0	26	246	185	31	17	10
15	21	16	12	8.5	7.5	9.0	36	250	179	31	15	10
16	21	18	12	8.5	7.5	9.0	49	271	184	28	14	11
17	21	18	13	7.0	7.0	9.0	64	289	164	29	14	10
18	26	18	13	7.0	7.0	9.0	74	294	151	28	18	10
19	22	20	13	7.0	7.0	9.0	83	273	138	26	16	10
20	23	18	13	7.0	6.5	9.0	69	245	129	24	16	9.6
21	21	18	13	5.5	6.5	8.0	55	228	121	24	16	8.3
22	20	18	13	5.5	6.5	8.0	62	216	117	23	18	7.9
23	21	16	12	6.0	6.5	8.0	81	204	110	22	22	7.9
24	21	16	12	6.0	6.5	8.0	94	190	101	21	27	7.9
25	20	16	12	6.0	7.5	8.0	101	182	90	21	23	7.9
26	19	17	11	6.5	7.5	8.0	125	172	86	21	18	8.3
27	19	16	11	6.5	6.5	8.0	135	161	84	21	15	8.3
28	18	17	11	6.5	6.5	7.0	143	149	73	28	15	7.9
29	18	17	11	6.5	---	7.0	151	136	67	27	14	7.9
30	18	18	11	6.5	---	7.0	191	143	66	30	12	7.9
31	18	---	11	6.5	---	11	---	157	---	26	12	---
TOTAL	679	515	400	236.5	192.5	250.5	1776	5685	4704	1036	608	307.4
MEAN	21.9	17.2	12.9	7.63	6.88	8.08	59.2	183	157	33.4	19.6	10.2
AC-FT	1350	1020	793	469	382	497	3520	11280	9330	2050	1210	610
MAX	31	20	17	10	7.5	11	191	294	230	64	31	14
MIN	18	14	10	5.5	6.5	6.5	13	87	66	21	12	7.9

CAL YR 1986 TOTAL 16687.0 MEAN 45.7 MAX 263 MIN 8.0 AC-FT 33100  
WTR YR 1987 TOTAL 16389.9 MEAN 44.9 MAX 294 MIN 5.5 AC-FT 32510

MAX DISCH 331 CFS AT 2030 18-MAY-1987 GH 2.88 FT. SHIFT 0.05 FT. MAX GH 2.88 FT. AT 2030 18-MAY-1987



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO (1988)

**LOCATION.**--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

**DRAINAGE AREA.**--53 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

**REMARKS.**--Several small diversions above station.

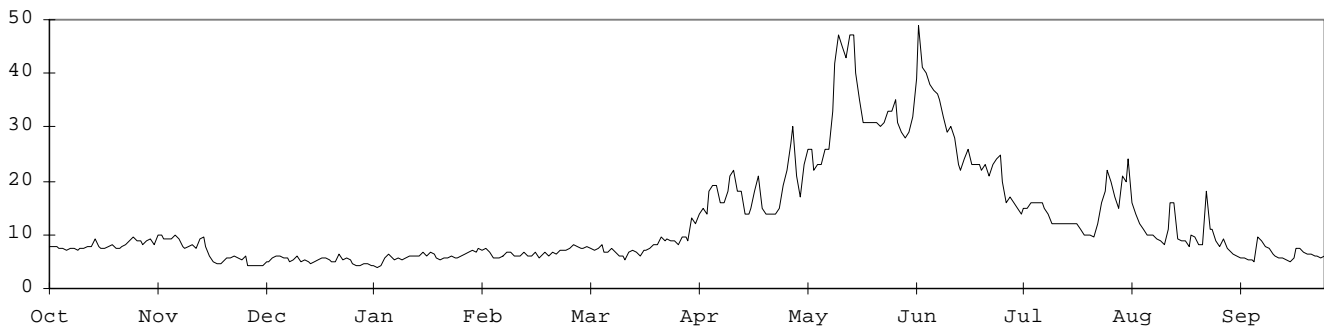
**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	10	4.4	4.4	7.6	7.6	9.0	30	29	16	17	9.1
2	7.9	10	4.8	4.2	7.2	7.6	13	21	28	17	15	7.5
3	7.9	9.1	5.0	4.0	7.4	7.8	12	17	29	16	21	6.7
4	7.5	9.1	5.8	4.4	6.6	7.4	14	23	32	15	20	6.4
5	7.5	9.1	6.0	5.6	5.8	7.0	15	26	39	14	24	6.0
6	7.1	10	6.0	6.4	5.6	7.4	14	26	49	15	16	5.6
7	7.5	9.1	5.6	5.8	5.8	8.0	18	22	41	15	14	5.6
8	7.5	7.9	5.6	5.4	6.0	6.8	19	23	40	16	12	5.3
9	7.1	7.5	5.0	5.6	6.6	6.8	19	23	38	16	11	5.3
10	7.5	7.9	5.4	5.4	6.6	7.4	16	26	37	16	10	5.0
11	7.5	8.3	6.2	5.8	6.0	6.8	16	26	36	16	10	9.5
12	7.9	7.5	5.0	6.2	6.2	6.2	18	33	35	15	10	8.7
13	7.9	9.1	5.2	6.0	6.0	6.0	21	42	32	14	9.1	7.9
14	9.1	9.6	4.8	6.0	6.8	5.4	22	47	29	12	8.7	7.5
15	7.9	7.9	4.6	6.0	6.0	6.6	18	45	30	12	8.3	6.4
16	7.5	6.0	4.8	6.6	6.0	7.0	18	43	28	12	11	6.0
17	7.5	5.0	5.2	6.2	6.6	6.8	14	47	23	12	16	5.6
18	7.9	4.6	5.8	6.6	5.8	6.2	14	47	22	12	16	5.6
19	8.3	4.6	5.6	6.4	6.2	7.0	15	40	24	12	9.1	5.3
20	7.5	5.2	5.2	5.8	6.6	7.2	18	35	26	12	8.7	5.0
21	7.6	5.8	4.8	5.4	6.2	7.4	21	31	23	12	8.7	5.6
22	7.9	5.8	5.0	5.8	6.6	8.2	15	31	23	11	7.9	7.5
23	8.3	6.0	6.4	5.8	6.4	8.0	14	31	23	10	10	7.5
24	8.7	5.6	5.4	6.2	7.0	9.6	14	31	22	10	9.6	6.7
25	9.6	5.2	5.6	5.6	7.0	9.0	14	31	23	10	8.3	6.4
26	8.7	6.0	5.2	5.8	7.0	9.2	14	30	21	9.6	8.3	6.4
27	8.7	4.4	4.6	6.2	7.6	9.0	15	31	23	12	18	6.0
28	8.3	4.2	4.2	6.4	8.0	9.0	19	33	24	16	11	6.0
29	8.7	4.2	4.4	6.6	7.8	8.0	22	33	25	18	11	5.6
30	9.1	4.4	4.6	7.0	---	9.4	27	35	20	22	8.7	6.0
31	8.3	---	4.6	6.8	---	9.4	---	31	---	20	7.9	---
TOTAL	248.3	209.1	160.8	180.4	191.0	235.2	498.0	990	874	435.6	376.3	193.7
MEAN	8.01	6.97	5.19	5.82	6.59	7.59	16.6	31.9	29.1	14.1	12.1	6.46
AC-FT	493	415	319	358	379	467	988	1960	1730	864	746	384
MAX	9.6	10	6.4	7.0	8.0	9.6	27	47	49	22	24	9.5
MIN	7.1	4.2	4.2	4.0	5.6	5.4	9.0	17	20	9.6	7.9	5.0

CAL YR 1987 TOTAL 15414.1 MEAN 42.2 MAX 294 MIN 4.2 AC-FT 30570  
WTR YR 1988 TOTAL 4592.4 MEAN 12.5 MAX 49 MIN 4.0 AC-FT 9110

MAX DISCH 123 CFS AT 1800 05-AUG-1988 GH 1.52 FT. SHIFT 0.03 FT. MAX GH 1.52 FT. AT 1800 05-AUG-1988



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO (1989)

**LOCATION.**--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

**DRAINAGE AREA.**--53 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

**REMARKS.**--Several small diversions above station.

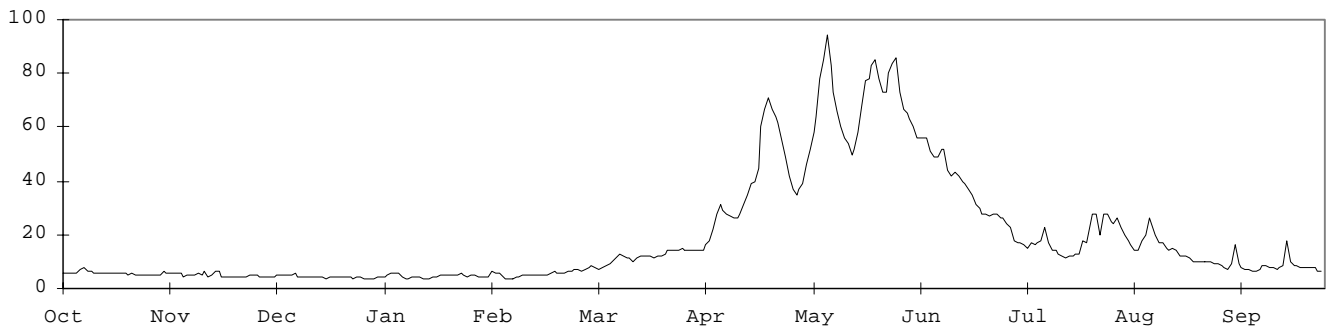
**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	5.6	4.6	4.2	4.6	7.0	14	35	67	24	24	8.7
2	6.0	5.6	5.2	4.6	6.2	7.6	14	37	65	23	26	7.5
3	6.0	5.6	5.2	4.8	5.8	8.2	14	39	63	18	23	7.1
4	5.6	6.0	5.0	5.4	6.0	7.6	14	46	60	17	20	9.4
5	6.0	4.4	5.0	5.6	4.8	7.0	16	52	56	17	18	16
6	7.1	5.0	4.8	5.4	3.8	7.6	18	58	56	16	16	9.1
7	7.5	5.3	6.0	4.4	3.2	8.4	22	64	56	15	14	7.9
8	6.7	5.3	4.2	3.4	3.6	9.0	28	78	56	17	14	7.1
9	6.4	6.0	4.2	3.6	4.0	9.6	31	85	51	16	18	7.1
10	6.0	5.2	4.4	4.4	4.4	11	29	94	49	17	20	6.7
11	5.6	6.4	4.2	4.6	4.8	13	28	83	49	18	26	6.7
12	6.0	4.4	4.2	4.4	5.2	12	27	73	52	23	24	7.1
13	6.0	5.2	4.4	3.6	5.2	11	26	66	52	17	20	8.7
14	6.0	6.4	4.6	3.6	5.0	11	26	60	44	14	17	8.3
15	6.0	6.4	4.6	3.8	5.0	10	28	56	42	14	17	7.5
16	5.6	4.6	3.8	4.2	4.8	11	31	54	43	13	15	7.5
17	5.6	4.6	4.0	4.6	5.2	12	35	50	42	12	14	7.1
18	5.6	4.4	4.2	5.0	5.2	12	39	52	40	11	15	7.9
19	5.6	4.2	4.6	5.2	5.8	12	40	58	39	12	14	8.3
20	5.3	4.0	4.4	5.0	6.6	12	45	68	37	12	12	18
21	5.6	4.2	4.2	4.8	5.8	11	60	77	35	13	12	10
22	5.3	4.4	4.4	5.0	5.4	12	67	78	31	13	12	8.7
23	5.3	4.6	4.2	5.0	5.8	12	71	83	30	18	11	8.3
24	5.3	4.8	3.8	5.4	6.4	13	67	85	28	17	10	7.9
25	5.3	5.0	4.6	5.0	6.4	14	64	78	28	24	10	7.9
26	5.0	4.8	4.2	4.6	7.2	14	62	73	27	28	9.6	7.9
27	5.0	4.4	3.4	4.8	7.4	14	55	73	28	28	10	7.5
28	5.3	4.4	3.4	5.2	6.4	14	49	80	28	20	10	7.5
29	5.3	4.6	3.6	4.4	---	15	42	84	26	28	9.6	6.7
30	6.7	4.4	3.8	4.4	---	14	37	86	26	28	9.1	6.4
31	6.0	---	4.0	4.4	---	14	---	73	---	25	9.1	---
TOTAL	180.7	150.2	135.2	142.8	150.0	346.0	1099	2078	1306	568	479.4	252.5
MEAN	5.83	5.01	4.36	4.61	5.36	11.2	36.6	67.0	43.5	18.3	15.5	8.42
AC-FT	358	298	268	283	298	686	2180	4120	2590	1130	951	501
MAX	7.5	6.4	6.0	5.6	7.4	15	71	94	67	28	26	18
MIN	5.0	4.0	3.4	3.4	3.2	7.0	14	35	26	11	9.1	6.4

CAL YR 1988 TOTAL 4440.3 MEAN 12.1 MAX 49 MIN 3.4 AC-FT 8810  
WTR YR 1989 TOTAL 6887.8 MEAN 18.9 MAX 94 MIN 3.2 AC-FT 13660

MAX DISCH 117 CFS AT 2200 08-MAY-1989 GH 1.43 FT. SHIFT 0.07 FT. MAX GH 1.43 FT. AT 2200 08-MAY-1989



## RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO (1990)

**LOCATION.**--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

**DRAINAGE AREA.**--53 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

**REMARKS.**--Several small diversions above station.

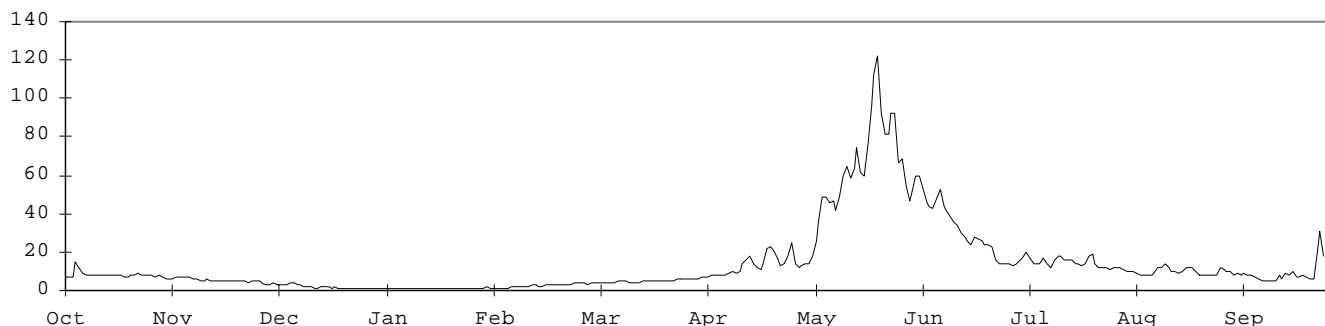
**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	6.2	3.1	1.0	1.4	3.4	6.0	12	55	14	12	11
2	6.7	6.6	3.0	1.0	1.4	3.7	6.4	13	47	13	12	10
3	7.1	6.6	2.9	1.0	1.4	3.7	6.7	14	51	14	11	9.6
4	15	6.8	3.2	0.90	1.4	4.0	7.1	14	60	16	10	8.3
5	12	7.1	3.5	0.90	1.4	4.2	7.1	18	60	17	9.6	8.7
6	9.1	6.7	3.5	0.90	1.4	4.0	7.5	26	53	20	9.6	8.3
7	8.3	6.4	2.6	0.90	1.7	3.9	7.5	36	46	17	9.1	9.1
8	8.3	5.8	2.5	1.1	2.0	3.7	8.3	49	44	14	8.3	8.3
9	7.9	5.3	2.1	1.3	1.7	4.0	8.3	49	43	14	7.5	8.3
10	7.9	5.3	2.4	1.1	2.0	4.6	8.3	46	48	14	7.5	6.7
11	7.9	5.6	1.5	1.3	2.3	4.6	9.1	47	53	17	7.9	6.0
12	7.5	5.3	1.2	1.2	2.3	4.5	9.6	42	44	14	9.1	5.3
13	7.5	5.3	1.2	1.1	3.1	4.2	9.1	49	42	12	12	5.3
14	7.5	5.0	1.6	1.3	2.7	4.2	10	60	39	16	12	4.7
15	7.9	4.7	1.9	1.2	2.4	4.2	14	65	36	18	14	4.7
16	8.3	4.5	1.6	1.1	2.4	4.1	16	59	34	18	12	4.7
17	8.3	4.6	1.1	1.0	2.9	4.5	18	64	30	16	10	7.9
18	7.1	4.6	1.9	0.90	3.2	4.5	14	74	28	16	10	6.4
19	7.1	4.6	1.1	0.90	2.9	4.5	12	62	26	16	9.1	9.1
20	8.1	4.6	1.0	0.60	3.1	4.9	11	60	24	14	9.6	7.5
21	8.3	4.6	1.1	0.60	3.1	4.9	14	75	28	14	12	10
22	8.7	4.7	1.4	0.60	3.2	5.2	22	96	27	13	12	7.1
23	7.9	4.3	1.2	1.0	3.1	5.0	23	112	26	14	12	6.7
24	7.5	4.5	1.2	1.3	3.3	4.8	20	122	24	18	9.6	8.3
25	7.9	4.7	1.2	1.1	3.5	4.9	16	92	24	19	8.3	7.1
26	8.3	4.7	1.2	1.0	3.7	5.2	13	81	23	14	7.5	6.4
27	6.7	3.8	1.3	1.0	3.7	6.0	14	81	16	12	7.5	6.0
28	7.9	3.3	1.3	0.70	3.7	5.6	18	92	14	12	8.3	22
29	6.6	3.2	1.3	1.1	---	6.2	25	92	14	12	7.5	31
30	6.4	3.6	1.3	1.1	---	6.0	14	67	14	11	7.5	18
31	6.2	---	1.0	1.8	---	6.0	---	69	---	12	12	---
TOTAL	248.6	153.0	56.4	32.00	70.4	143.2	375.0	1838	1073	461	306.5	272.5
MEAN	8.02	5.10	1.82	1.03	2.51	4.62	12.5	59.3	35.8	14.9	9.89	9.08
AC-FT	493	303	112	63	140	284	744	3650	2130	914	608	541
MAX	15	7.1	3.5	1.8	3.7	6.2	25	122	60	20	14	31
MIN	6.2	3.2	1.0	0.60	1.4	3.4	6.0	12	14	11	7.5	4.7

CAL YR 1989 TOTAL 6879.7 MEAN 18.8 MAX 94 MIN 1.0 AC-FT 13650  
WTR YR 1990 TOTAL 5029.60 MEAN 13.8 MAX 122 MIN 0.60 AC-FT 9980

MAX DISCH 163 CFS AT 2130 23-MAY-1990 GH 1.89 FT. SHIFT -0.05 FT. MAX GH 1.89 FT. AT 2130 23-MAY-1990



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO (1981)

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. 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.

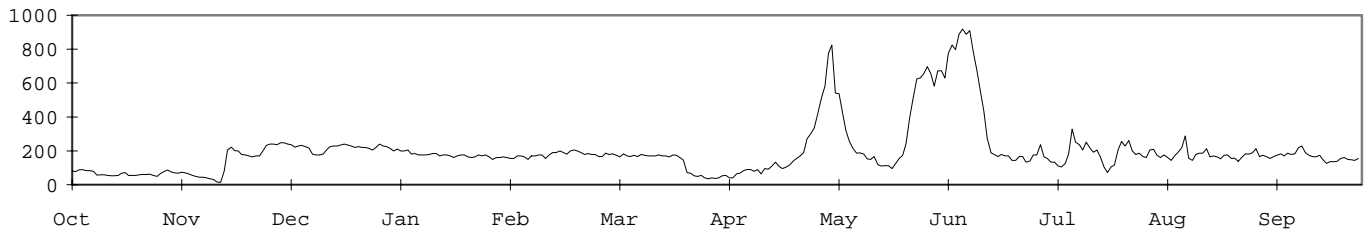
**RATING TABLE.**--RIOMONCO15 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	74	240	210	160	186	37	504	654	176	161	212
2	78	70	236	200	155	179	41	582	582	236	205	167
3	89	65	222	200	155	183	54	776	672	164	208	173
4	89	55	230	205	170	173	55	825	672	156	173	167
5	84	50	233	195	170	164	40	542	630	134	161	156
6	84	45	226	185	165	183	40	537	776	134	176	167
7	80	45	216	175	150	170	65	425	825	111	161	173
8	58	40	195	175	170	167	69	320	797	106	144	183
9	60	35	175	175	170	173	84	256	888	126	170	170
10	60	31	175	180	175	167	91	212	918	183	192	186
11	56	17	195	185	175	179	91	186	888	329	219	179
12	54	14	205	185	155	173	80	189	910	252	288	183
13	54	80	225	170	175	170	89	195	790	236	158	219
14	56	205	230	175	190	170	65	153	672	205	144	230
15	69	222	230	175	190	170	97	150	554	252	179	189
16	72	202	235	170	200	176	93	167	435	219	186	173
17	55	200	240	160	190	170	109	118	276	192	186	167
18	55	180	235	170	195	170	134	111	189	205	212	164
19	55	175	230	175	200	164	109	113	179	164	164	173
20	60	170	220	175	205	176	97	112	167	104	170	147
21	61	165	225	165	200	173	104	97	179	72	164	126
22	61	170	220	160	190	161	116	123	170	106	153	136
23	63	170	220	165	180	146	139	153	170	116	173	136
24	56	200	215	175	185	72	156	173	144	208	176	139
25	50	233	205	170	179	69	170	244	144	256	156	156
26	67	240	220	175	179	53	190	392	167	230	158	161
27	78	240	240	165	167	50	272	515	167	260	139	150
28	87	236	230	150	167	55	300	624	134	199	161	147
29	75	248	225	160	---	40	334	630	141	179	183	144
30	70	248	215	160	---	35	420	654	176	186	195	156
31	69	---	200	165	---	40	---	696	---	167	189	---
TOTAL	2087	4125	6808	5450	4962	4357	3741	10774	14066	5663	5504	5029
MEAN	67.3	138	220	176	177	141	125	348	469	183	178	168
AC-FT	4140	8180	13500	10810	9840	8640	7420	21370	27900	11230	10920	9980
MAX	89	248	240	210	205	186	420	825	918	329	288	230
MIN	50	14	175	150	150	35	37	97	134	72	139	126

CAL YR 1980 TOTAL 163042 MEAN 445 MAX 3440 MIN 14 AC-FT 323400  
WTR YR 1981 TOTAL 72566 MEAN 199 MAX 918 MIN 14 AC-FT 143900

MAX DISCH 1100 CFS AT 1400 12-JUN-1981 GH 4.52 FT. SHIFT 0.14 FT. MAX GH 4.52 FT. AT 1400 12-JUN-1981



## RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO (1982)

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. 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.

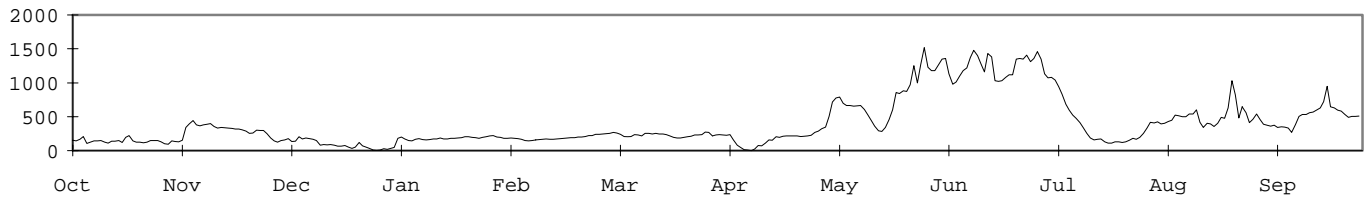
**RATING TABLE.**--RIOMONCO15 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	151	176	180	180	250	233	324	1180	1460	334	542
2	144	342	136	200	185	255	236	347	1180	1350	415	455
3	167	392	139	170	180	270	230	504	1260	1130	406	388
4	210	445	205	150	175	260	226	716	1350	1070	425	374
5	104	378	170	145	165	240	236	776	1360	1080	392	360
6	123	365	186	165	150	210	158	790	1130	1040	401	374
7	141	378	176	175	145	205	78	696	978	940	430	342
8	141	388	164	160	150	210	48	666	1010	832	450	352
9	150	396	150	155	155	236	16	666	1100	684	520	347
10	126	356	78	160	160	233	8.0	654	1180	594	515	334
11	109	334	87	170	165	219	2.2	660	1220	520	498	268
12	139	342	84	170	170	252	22	666	1370	476	498	383
13	139	338	89	185	165	256	72	606	1480	410	542	504
14	150	334	78	170	165	244	70	526	1400	338	542	532
15	121	329	65	170	170	252	109	445	1280	252	600	532
16	193	320	63	180	175	244	158	360	1160	183	415	559
17	222	320	74	180	180	244	153	292	1430	158	342	570
18	144	304	53	185	185	236	202	280	1380	167	401	594
19	123	288	33	190	190	216	195	342	1030	170	392	630
20	123	252	50	205	190	195	212	455	1020	128	356	722
21	116	260	121	205	200	186	216	600	1030	109	401	948
22	123	300	70	195	200	186	219	853	1080	111	488	648
23	150	296	53	190	210	195	216	839	1120	131	476	630
24	147	296	31	180	220	202	219	881	1120	131	630	594
25	147	248	9.6	195	220	212	208	874	1350	121	1030	582
26	128	186	5.6	205	240	230	212	970	1360	128	824	532
27	102	144	11	215	240	233	216	1250	1350	153	482	488
28	94	126	27	220	245	236	226	1000	1410	179	648	504
29	141	147	19	200	---	272	268	1270	1310	167	559	504
30	136	158	34	195	---	268	288	1520	1360	195	410	510
31	131	---	47	180	---	216	---	1230	---	256	460	---
TOTAL	4337	8913	2684.2	5645	5175	7163	4952.2	22058	36988	14663	15282	15102
MEAN	140	297	86.6	182	185	231	165	712	1233	473	493	503
AC-FT	8600	17680	5320	11200	10260	14210	9820	43750	73370	29080	30310	29950
MAX	222	445	205	220	245	272	288	1520	1480	1460	1030	948
MIN	94	126	5.6	145	145	186	2.2	280	978	109	334	268

CAL YR 1981 TOTAL 75480.2 MEAN 207 MAX 918 MIN 5.6 AC-FT 149700  
WTR YR 1982 TOTAL 142962.4 MEAN 392 MAX 1520 MIN 2.2 AC-FT 283600

MAX DISCH 1830 CFS AT 0930 30-MAY-1982 GH 5.12 FT. SHIFT 0.30 FT. MAX GH 5.12 FT. AT 0930 30-MAY-1982



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO (1983)

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. 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.

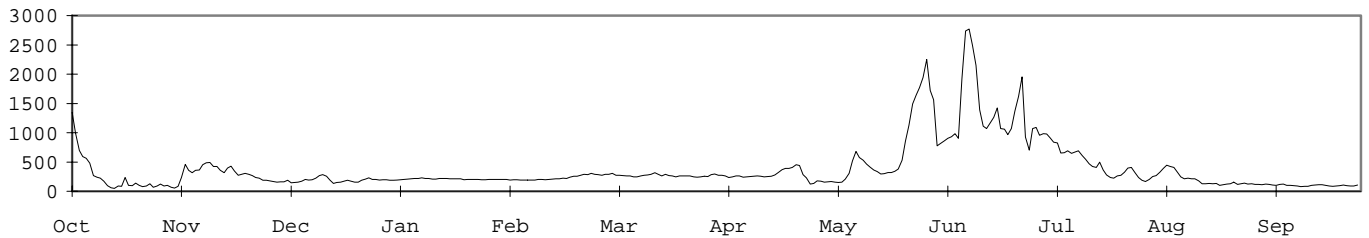
**RATING TABLE.**--RIOMONCO15 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1350	235	185	190	205	290	296	170	1720	1090	164	116
2	994	460	144	200	190	290	272	153	1560	955	205	118
3	696	360	150	205	200	305	272	161	776	986	252	113
4	594	316	155	210	200	275	264	164	818	978	268	121
5	559	356	170	215	195	275	233	153	860	910	324	116
6	483	365	205	220	195	270	248	150	902	839	392	109
7	268	455	190	220	190	260	260	153	932	825	445	102
8	241	488	200	230	190	260	260	208	986	654	420	118
9	226	493	225	220	195	244	240	304	902	660	406	123
10	173	425	270	220	205	248	248	520	1920	690	324	102
11	97	420	285	210	205	260	252	678	2740	648	244	104
12	61	360	255	210	200	272	256	576	2770	666	212	97
13	48	316	190	220	205	276	260	532	2490	690	222	91
14	89	396	135	220	210	288	256	466	2150	612	216	80
15	84	430	150	220	215	316	244	410	1390	548	212	84
16	233	347	155	215	215	288	252	365	1110	471	176	84
17	102	272	170	215	225	260	256	338	1070	425	128	102
18	97	288	185	215	220	288	280	292	1170	405	131	109
19	141	304	170	215	240	268	320	300	1260	495	134	113
20	102	288	155	200	255	264	370	320	1420	365	126	113
21	78	268	155	205	255	248	392	320	1070	276	134	100
22	90	233	185	205	275	264	392	342	1060	236	102	91
23	128	222	210	205	290	264	406	378	970	226	113	87
24	72	189	230	205	285	260	455	532	1070	260	121	93
25	91	186	205	200	305	264	438	853	1370	272	131	97
26	121	179	205	200	290	248	284	1130	1620	324	153	109
27	93	164	195	205	285	240	230	1490	1950	396	118	97
28	100	156	200	205	275	244	121	1640	926	406	131	89
29	69	161	200	205	---	256	136	1770	703	316	139	91
30	56	160	185	205	---	252	179	1940	1070	236	121	109
31	88	---	185	205	---	284	---	2250	---	186	126	---
TOTAL	7624	9292	5899	6515	6415	8321	8372	19058	40755	17046	6390	3078
MEAN	246	310	190	210	229	268	279	615	1359	550	206	103
AC-FT	15120	18430	11700	12920	12720	16500	16610	37800	80840	33810	12670	6110
MAX	1350	493	285	230	305	316	455	2250	2770	1090	445	123
MIN	48	156	135	190	190	240	121	150	703	186	102	80

CAL YR 1982 TOTAL 149843.2 MEAN 411 MAX 1520 MIN 2.2 AC-FT 297200  
WTR YR 1983 TOTAL 138765 MEAN 380 MAX 2770 MIN 48 AC-FT 275200

MAX DISCH 3120 CFS AT 1100 12-JUN-1983 GH 6.19 FT. SHIFT 0.25 FT. MAX GH 6.19 FT. AT 1100 12-JUN-1983



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO (1984)

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. 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.

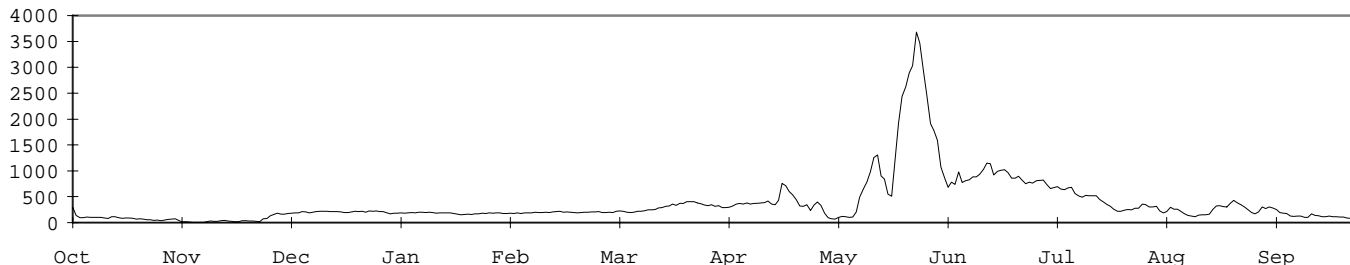
**RATING TABLE.**--RIOMONCO15 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	296	15	175	180	175	200	324	179	1780	818	304	205
2	141	16	180	185	180	195	292	97	1590	825	304	300
3	97	12	185	180	175	220	292	74	1070	736	312	272
4	95	7.2	185	185	185	225	296	69	867	660	222	300
5	106	6.4	210	195	175	215	320	102	684	678	186	284
6	100	5.6	205	190	190	200	360	123	783	696	212	252
7	100	4.8	185	200	185	195	370	113	736	648	296	195
8	102	16	200	200	185	200	360	102	978	636	260	179
9	102	28	210	195	200	215	383	111	776	672	260	173
10	93	25	215	200	195	220	360	208	811	684	219	128
11	80	25	215	195	195	230	370	488	832	564	170	121
12	118	38	220	180	200	250	374	654	881	515	141	128
13	116	40	210	190	195	250	384	783	881	488	128	128
14	97	33	210	185	205	255	388	978	932	526	113	100
15	84	27	210	190	210	285	415	1260	1030	520	147	102
16	91	16	205	185	220	290	357	1310	1150	520	150	167
17	91	20	195	175	200	315	342	902	1140	520	150	139
18	82	37	195	165	205	320	429	839	918	445	164	134
19	67	35	205	150	200	360	755	548	994	401	256	118
20	70	28	215	155	195	330	716	510	1010	352	320	116
21	69	29	210	165	190	375	600	1230	1020	312	329	126
22	54	25	215	160	195	370	537	1920	970	260	308	116
23	56	20	200	170	200	405	445	2440	860	219	304	113
24	44	75	225	170	200	406	320	2620	860	216	378	109
25	48	80	215	180	205	406	316	2890	895	240	430	111
26	36	135	225	175	205	383	342	3030	825	256	383	93
27	50	160	210	185	210	365	233	3680	748	248	347	84
28	61	180	210	180	195	338	338	3470	783	276	304	84
29	65	165	185	185	195	329	401	2950	762	280	252	102
30	72	165	170	185	---	347	334	2480	811	356	195	106
31	42	---	180	175	---	316	---	1910	---	347	170	---
TOTAL	2725	1469.0	6275	5610	5665	9010	11753	38070	28377	14914	7714	4585
MEAN	87.9	49.0	202	181	195	291	392	1228	946	481	249	153
AC-FT	5410	2910	12450	11130	11240	17870	23310	75510	56290	29580	15300	9090
MAX	296	180	225	200	220	406	755	3680	1780	825	430	300
MIN	36	4.8	170	150	175	195	233	69	684	216	113	84

CAL YR 1983 TOTAL 126419.0 MEAN 346 MAX 2770 MIN 4.8 AC-FT 250800  
WTR YR 1984 TOTAL 136167.0 MEAN 372 MAX 3680 MIN 4.8 AC-FT 270100

MAX DISCH 3830 CFS AT 1600 27-MAY-1984 GH 6.85 FT. SHIFT 0.06 FT. MAX GH 6.85 FT. AT 1600 27-MAY-1984



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO (1985)

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. 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.

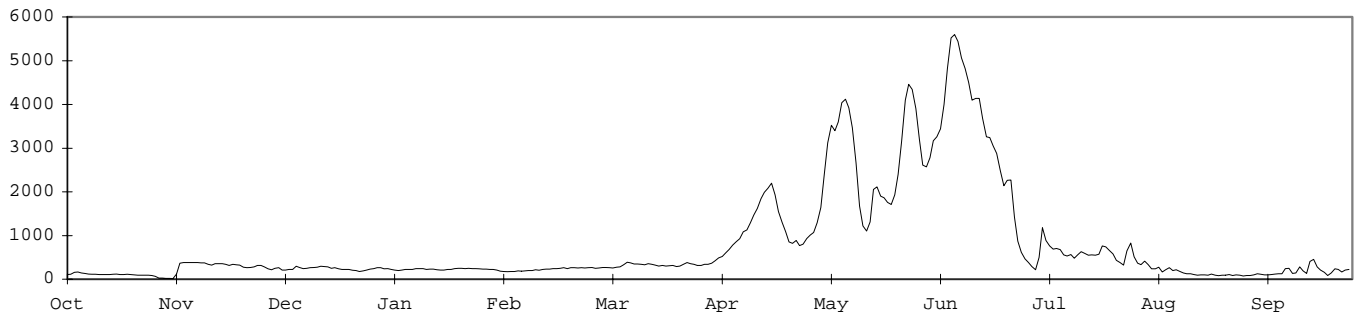
**RATING TABLE.**--RIOMONCO16 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	115	210	225	185	255	342	1070	2610	378	365	84
2	109	365	210	210	175	270	365	1290	2570	288	334	84
3	156	378	225	195	170	270	420	1640	2780	219	410	97
4	167	383	220	210	175	260	488	2380	3170	497	334	123
5	141	378	292	220	180	255	520	3120	3260	1180	236	109
6	131	378	272	225	190	275	606	3520	3440	888	236	97
7	121	378	244	220	185	280	684	3400	4000	762	276	100
8	111	374	248	245	190	330	783	3600	4820	690	167	102
9	109	374	264	245	200	385	860	4040	5520	703	216	116
10	106	342	272	240	200	375	925	4120	5600	678	260	123
11	104	324	276	225	215	350	1080	3920	5440	559	195	126
12	102	356	292	230	205	350	1130	3460	5060	532	219	244
13	104	356	288	230	220	340	1290	2660	4820	564	179	249
14	111	352	284	215	230	325	1470	1670	4500	476	144	128
15	118	342	250	210	230	352	1620	1220	4100	559	123	147
16	106	312	265	210	240	342	1840	1100	4140	630	123	284
17	102	338	235	220	245	320	1990	1310	4140	588	104	192
18	111	329	225	225	250	304	2080	2050	3680	548	91	134
19	102	320	220	245	265	316	2200	2110	3260	559	100	404
20	100	276	220	250	245	304	1930	1900	3240	554	100	450
21	95	260	205	250	260	308	1550	1860	3050	570	91	280
22	93	268	200	245	260	316	1300	1760	2880	762	116	212
23	93	284	180	250	255	288	1090	1710	2480	742	91	156
24	91	312	190	240	260	300	853	1930	2140	654	76	87
25	87	316	210	240	255	342	818	2400	2260	576	91	147
26	68	280	230	235	265	383	888	3160	2270	430	93	233
27	26	236	240	230	270	352	769	4100	1420	378	104	226
28	26	216	260	230	250	342	797	4460	874	324	84	164
29	22	248	260	220	---	312	932	4340	618	646	97	208
30	19	260	235	220	---	312	1010	3900	466	825	93	222
31	13	---	245	210	---	342	---	3200	---	510	74	---
TOTAL	2948	9450	7467	7065	6270	9855	32630	82400	98608	18269	5222	5328
MEAN	95.1	315	241	228	224	318	1088	2658	3287	589	168	178
AC-FT	5850	18740	14810	14010	12440	19550	64720	163400	195600	36240	10360	10570
MAX	167	383	292	250	270	385	2200	4460	5600	1180	410	450
MIN	13	115	180	195	170	255	342	1070	466	219	74	84

CAL YR 1984 TOTAL 145563 MEAN 398 MAX 3680 MIN 13 AC-FT 288700  
WTR YR 1985 TOTAL 285512 MEAN 782 MAX 5600 MIN 13 AC-FT 566300

MAX DISCH 5870 CFS AT 0100 10-JUN-1985 GH 7.70 FT. SHIFT +0.09 FT. MAX GH 7.70 FT. AT 0100 10-JUN-1985



## RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO (1986)

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

**REMARKS.**--Diversion 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.

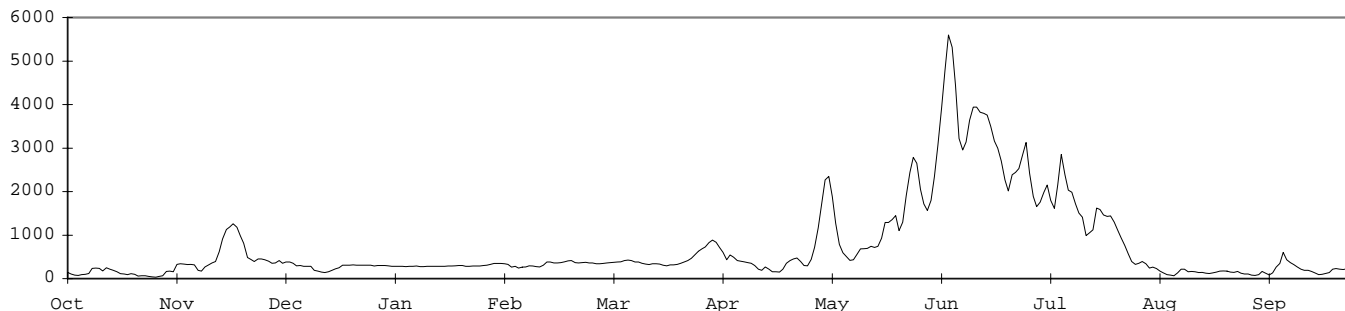
**RATING TABLE.**--RIOMONCO16 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	328	356	280	350	338	825	716	1720	2420	356	102
2	102	338	378	280	340	347	888	1170	1570	1890	392	76
3	78	334	383	285	330	360	832	1730	1800	1650	342	70
4	72	324	352	280	260	365	716	2270	2340	1760	244	91
5	91	329	296	275	285	374	606	2350	3070	1980	264	164
6	100	312	300	280	245	383	435	1880	3920	2150	230	126
7	118	189	280	285	260	388	542	1270	4780	1800	173	87
8	233	170	280	290	270	410	493	790	5600	1610	134	131
9	244	268	280	275	295	425	410	600	5320	2160	95	260
10	236	312	190	275	290	415	401	510	4440	2850	76	346
11	179	360	170	280	275	378	388	420	3220	2390	65	606
12	248	392	150	285	270	378	365	435	2960	2030	129	430
13	219	618	140	285	310	356	356	554	3140	1990	216	365
14	189	910	160	285	383	334	300	684	3640	1720	216	324
15	156	1130	190	280	378	324	219	690	3940	1510	158	272
16	109	1190	220	280	360	338	192	696	3940	1410	164	219
17	104	1260	250	290	360	342	272	742	3820	988	158	189
18	95	1180	305	290	370	334	216	716	3800	1050	136	189
19	113	986	305	295	388	308	158	742	3760	1120	147	164
20	97	811	310	300	406	292	156	932	3500	1620	123	128
21	61	488	315	300	415	312	150	1290	3160	1590	121	95
22	63	440	310	285	365	316	219	1290	3000	1460	134	97
23	63	396	310	285	360	329	352	1360	2700	1430	150	116
24	50	455	310	290	365	352	415	1450	2270	1440	173	136
25	41	450	310	290	374	378	455	1100	2010	1300	179	219
26	36	435	310	290	360	410	471	1300	2390	1110	173	230
27	53	401	290	300	360	466	396	1910	2440	940	153	216
28	68	352	300	310	342	542	304	2440	2530	762	144	212
29	161	360	300	330	---	630	292	2790	2850	564	161	226
30	170	410	300	350	---	684	440	2650	3130	392	126	260
31	158	---	295	350	---	729	---	2050	---	329	104	---
TOTAL	3848	15928	8645	9055	9366	12337	12264	39527	96760	47415	5436	6146
MEAN	124	531	279	292	335	398	409	1275	3225	1530	175	205
AC-FT	7630	31590	17150	17960	18580	24470	24330	78400	191900	94050	10780	12190
MAX	248	1260	383	350	415	729	888	2790	5600	2850	392	606
MIN	36	170	140	275	245	292	150	420	1570	329	65	70

CAL YR 1985 TOTAL 294068 MEAN 806 MAX 5600 MIN 36 AC-FT 583300  
WTR YR 1986 TOTAL 266727 MEAN 731 MAX 5600 MIN 36 AC-FT 529100

MAX DISCH 5930 CFS AT 1800 08-JUN-1986 GH 7.87 FT. SHIFT -0.06 FT. MAX GH 7.87 FT. AT 1800 08-JUN-1986



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO (1987)

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

**REMARKS.**--Diversions above station for irrigation of about 90,000 acres. Flow regulated by Beaver Creek, Santa Maria, Rio Grande, and Continental Reservoirs, combined capacity 126,100 acre-ft, and by several smaller reservoirs. Transmountain diversions to drainage area above station from Colorado River basin.

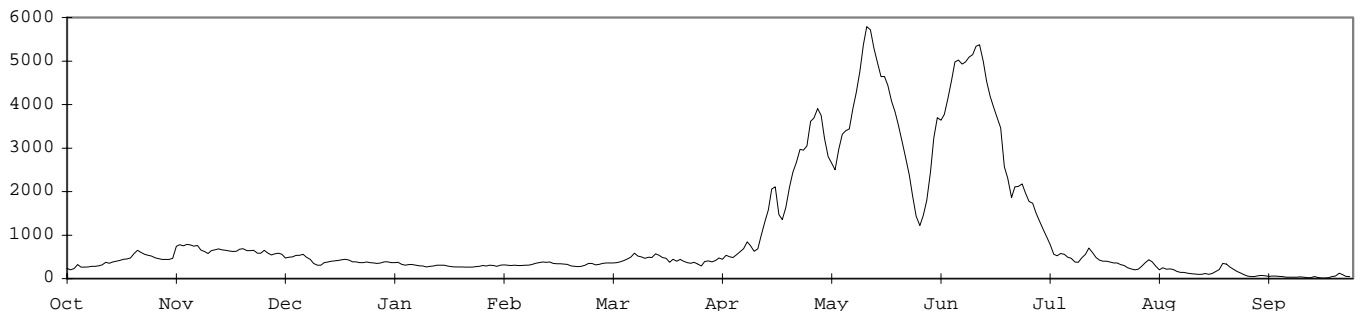
**RATING TABLE.**--RIOMONCO17 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	236	741	555	370	305	325	408	3690	1450	1780	216	62
2	205	783	470	365	315	350	390	3910	1800	1730	280	43
3	232	753	495	375	310	360	416	3750	2440	1510	367	48
4	320	789	500	330	300	360	470	3220	3230	1320	430	64
5	260	771	530	305	310	360	448	2800	3700	1130	385	72
6	264	747	540	320	300	370	540	2650	3640	966	284	66
7	268	759	555	320	300	385	505	2500	3780	789	205	52
8	280	658	495	305	310	415	485	2970	4140	555	248	58
9	284	620	439	295	305	455	550	3320	4560	525	216	62
10	292	575	349	290	330	490	615	3400	4980	575	224	52
11	316	642	310	270	355	585	691	3440	5020	555	213	45
12	376	664	310	280	365	520	843	3900	4930	495	163	35
13	354	680	370	290	380	500	753	4270	4980	466	147	35
14	380	664	380	305	375	465	630	4760	5090	380	141	32
15	398	652	400	305	380	490	680	5380	5150	376	126	33
16	421	636	405	310	350	485	992	5790	5340	480	112	38
17	444	625	421	290	340	570	1290	5720	5380	555	106	35
18	452	630	430	275	340	540	1580	5290	5000	702	98	19
19	470	674	444	270	335	485	2060	4980	4540	605	96	18
20	580	686	426	270	330	466	2110	4640	4190	485	117	45
21	652	642	385	270	295	376	1470	4640	3930	426	101	29
22	605	642	390	260	280	444	1360	4440	3700	398	115	13
23	555	652	367	260	275	398	1630	4080	3460	403	166	12
24	535	585	365	260	280	439	2100	3830	2570	380	209	17
25	520	585	380	275	305	403	2440	3520	2310	362	349	46
26	480	647	370	285	345	367	2670	3150	1860	362	336	62
27	457	585	360	300	345	354	2970	2780	2110	324	268	126
28	439	545	350	290	315	376	2950	2380	2120	300	216	91
29	439	570	360	305	---	332	3050	1890	2180	252	166	52
30	439	585	390	300	---	288	3610	1430	1970	220	132	48
31	466	---	390	285	---	394	---	1220	---	205	93	---
TOTAL	12419	19787	12931	9230	9075	13147	40706	113740	109550	19611	6325	1410
MEAN	401	660	417	298	324	424	1357	3669	3652	633	204	47.0
AC-FT	24630	39250	25650	18310	18000	26080	80740	225600	217300	38900	12550	2800
MAX	652	789	555	375	380	585	3610	5790	5380	1780	430	126
MIN	205	545	310	260	275	288	390	1220	1450	205	93	12

CAL YR 1986 TOTAL 283443 MEAN 777 MAX 5600 MIN 65 AC-FT 562200  
WTR YR 1987 TOTAL 367931 MEAN 1008 MAX 5790 MIN 12 AC-FT 729800

MAX DISCH 6010 CFS AT 1530 16-MAY-1987 GH 7.92 FT. SHIFT 0.00 FT. MAX GH 7.92 FT. AT 1530 16-MAY-1987



## RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO (1988)

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

**REMARKS.**--Diversion 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.

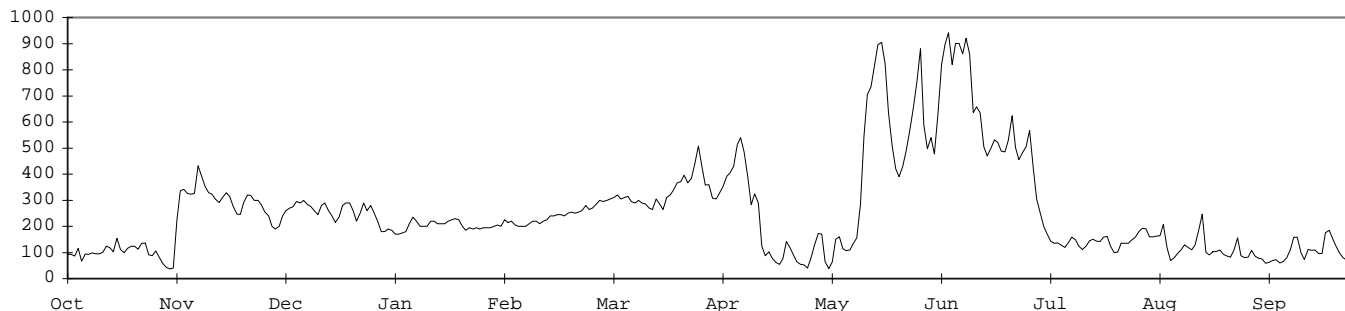
**RATING TABLE.**--RIOMONCO17 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	226	240	185	200	295	308	173	497	423	192	108
2	93	337	260	170	225	300	305	170	540	305	191	86
3	86	342	270	170	215	305	328	64	478	252	160	78
4	116	326	275	175	220	310	353	38	629	199	160	75
5	67	323	295	180	205	320	391	65	820	171	163	59
6	94	326	290	210	200	305	405	151	896	143	164	62
7	93	432	300	235	200	310	429	161	942	135	208	70
8	98	395	285	220	200	315	513	115	820	137	118	72
9	95	354	275	200	210	295	540	107	901	128	69	60
10	95	329	260	200	220	290	484	109	901	119	79	66
11	101	324	245	200	220	300	388	135	861	138	96	80
12	125	304	280	220	210	290	283	156	920	159	110	111
13	118	292	290	220	220	285	325	285	860	149	129	159
14	103	311	260	210	225	270	289	546	636	125	119	159
15	154	329	240	210	240	265	126	705	658	112	110	99
16	112	314	215	210	240	305	87	735	635	125	128	73
17	99	278	235	220	245	285	103	818	505	144	186	111
18	116	247	280	225	245	265	78	896	470	151	247	108
19	124	246	290	230	240	312	62	905	497	143	101	109
20	124	292	290	225	250	320	55	823	531	142	91	96
21	113	320	260	200	255	340	76	636	521	159	103	96
22	134	318	220	185	250	367	142	509	488	162	104	176
23	137	299	250	195	255	372	118	421	485	123	109	185
24	92	299	290	190	260	396	91	390	530	99	93	153
25	87	282	260	195	280	367	65	430	624	102	86	125
26	106	256	280	190	265	384	55	491	502	135	82	96
27	82	240	250	195	270	438	52	570	456	135	108	80
28	58	200	220	195	285	508	40	652	484	136	156	71
29	43	190	180	195	300	429	82	751	505	147	87	66
30	37	200	180	200	---	358	129	881	567	159	81	60
31	40	---	190	205	---	360	---	588	---	180	82	---
TOTAL	3035	8931	7955	6260	6850	10261	6702	13476	19159	4937	3912	2949
MEAN	97.9	298	257	202	236	331	223	435	639	159	126	98.3
AC-FT	6020	17710	15780	12420	13590	20350	13290	26730	38000	9790	7760	5850
MAX	154	432	300	235	300	508	540	905	942	423	247	185
MIN	37	190	180	170	200	265	40	38	456	99	69	59

CAL YR 1987 TOTAL 342715 MEAN 939 MAX 5790 MIN 12 AC-FT 679800  
WTR YR 1988 TOTAL 94427 MEAN 258 MAX 942 MIN 37 AC-FT 187300

MAX DISCH 1150 CFS AT 1045 07-JUN-1988 GH 4.58 FT. SHIFT -0.04 FT. MAX GH 4.58 FT. AT 1045 07-JUN-1988



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO (1989)

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

**REMARKS.**--Diversions above station for irrigation of about 90,000 acres. Flow regulated by Beaver Creek, Santa Maria, Rio Grande, and Continental Reservoirs, combined capacity 126,100 acre-ft, and by several smaller reservoirs. Transmountain diversions to drainage area above station from Colorado River basin.

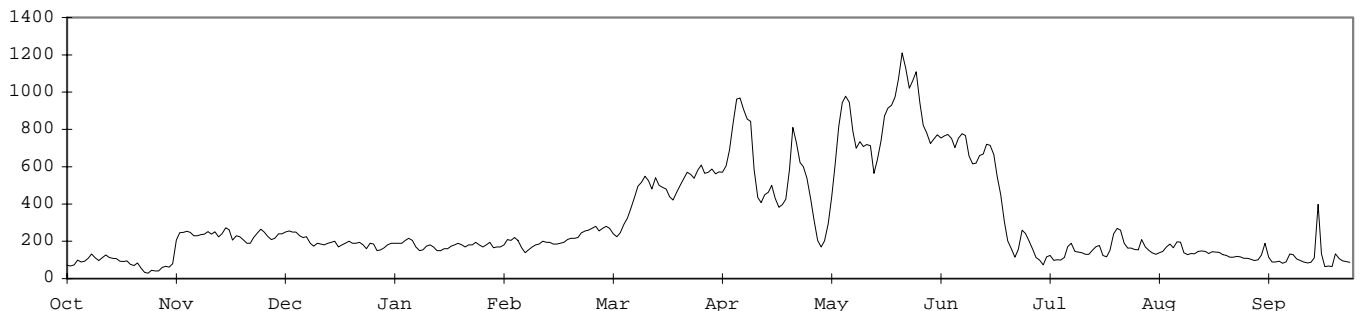
**RATING TABLE.**--RIOMONCO17 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	207	240	190	170	255	570	316	822	202	154	108
2	68	247	250	190	180	270	587	205	780	158	209	104
3	73	248	255	190	210	280	562	170	724	113	170	96
4	100	254	250	190	205	270	573	202	748	99	151	101
5	88	248	250	205	220	240	570	294	771	73	138	127
6	93	229	230	215	205	225	604	439	754	116	130	189
7	109	229	220	205	165	245	688	609	765	124	139	114
8	132	236	225	170	140	290	830	816	772	98	145	89
9	112	239	190	150	155	325	963	944	751	101	170	89
10	96	253	175	155	170	375	969	977	702	100	185	94
11	112	238	190	175	180	435	908	945	753	113	166	82
12	127	251	185	180	185	495	855	791	778	171	198	90
13	113	224	180	170	200	515	843	699	767	190	196	131
14	108	240	190	150	195	550	585	735	658	145	139	129
15	107	273	195	150	195	525	434	708	615	143	129	105
16	93	261	200	160	185	480	407	719	620	140	135	96
17	92	206	170	160	185	542	450	713	659	130	133	89
18	95	230	180	175	190	500	463	565	669	130	145	84
19	77	225	190	180	195	490	500	637	720	151	148	87
20	71	210	200	190	210	480	430	738	714	172	145	111
21	84	190	190	180	215	439	383	872	665	177	135	398
22	57	190	190	170	215	421	396	913	547	124	144	133
23	34	220	195	180	220	463	426	930	452	117	142	65
24	29	245	180	180	245	501	585	975	306	151	141	67
25	45	265	160	195	255	534	811	1070	202	240	128	64
26	42	250	190	180	260	571	730	1210	158	269	124	133
27	42	225	185	170	270	558	623	1130	115	260	114	107
28	59	210	150	180	280	538	600	1020	156	189	115	95
29	66	215	155	195	---	581	539	1060	260	164	120	92
30	61	240	165	165	---	609	430	1110	241	163	116	87
31	79	---	180	170	---	565	---	943	---	156	109	---
TOTAL	2536	6998	6105	5515	5700	13567	18314	23455	17644	4679	4513	3356
MEAN	81.8	233	197	178	204	438	610	757	588	151	146	112
AC-FT	5030	13880	12110	10940	11310	26910	36330	46520	35000	9280	8950	6660
MAX	132	273	255	215	280	609	969	1210	822	269	209	398
MIN	29	190	150	150	140	225	383	170	115	73	109	64

CAL YR 1988 TOTAL 90145 MEAN 246 MAX 942 MIN 29 AC-FT 178800  
WTR YR 1989 TOTAL 112382 MEAN 308 MAX 1210 MIN 29 AC-FT 222900

MAX DISCH 1350 CFS AT 1315 26-MAY-1989 GH 4.78 FT. SHIFT 0.03 FT. MAX GH 4.78 FT. AT 1315 26-MAY-1989



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO (1990)

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

**REMARKS.**--Diversions above station for irrigation of about 90,000 acres. Flow regulated by Beaver Creek, Santa Maria, Rio Grande, and Continental Reservoirs, combined capacity 126,100 acre-ft, and by several smaller reservoirs. Transmountain diversions to drainage area above station from Colorado River basin.

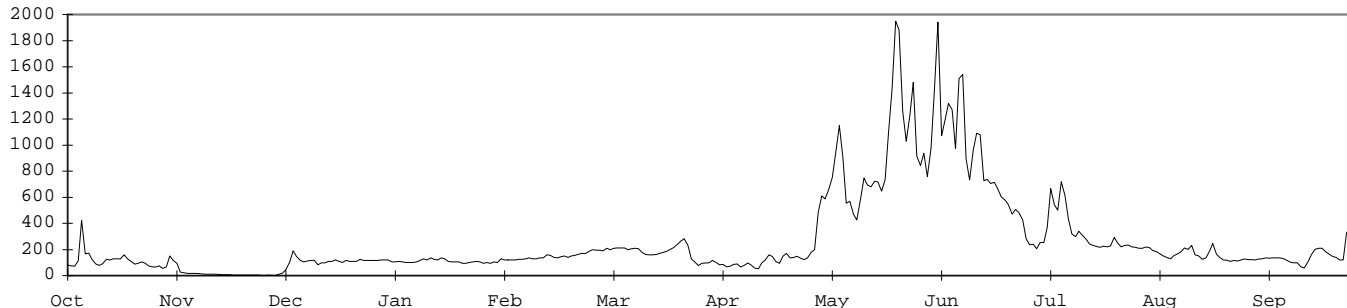
**RATING TABLE.**--RIOMONCO17 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	95	20	105	130	195	98	198	938	237	209	123
2	75	27	46	105	120	190	116	485	758	240	209	123
3	73	21	106	110	120	210	100	610	978	205	219	120
4	113	18	190	105	120	200	82	587	1420	254	214	126
5	424	18	147	100	120	210	85	663	1940	254	192	129
6	166	17	115	100	125	213	67	751	1070	367	184	135
7	172	15	106	100	125	212	72	939	1190	667	166	134
8	123	13	112	105	130	213	86	1150	1320	543	150	135
9	90	11	115	115	135	200	90	907	1270	500	138	135
10	78	11	117	130	130	206	66	555	972	719	129	136
11	91	10	82	120	130	209	79	569	1510	615	154	132
12	125	10	98	135	135	206	96	469	1540	437	166	117
13	120	8.8	98	125	135	180	81	426	893	320	183	103
14	130	6.6	109	120	160	162	57	583	732	299	213	98
15	128	6.5	110	135	155	160	52	747	961	339	202	98
16	130	7.2	120	130	140	160	97	696	1090	308	232	67
17	159	5.2	110	110	135	161	121	679	1080	280	160	60
18	129	3.8	100	105	145	170	160	724	728	243	151	109
19	109	3.8	115	105	150	176	147	718	736	232	125	161
20	87	4.1	110	105	140	185	107	647	707	224	135	202
21	93	5.0	110	95	150	201	93	735	715	216	183	209
22	105	5.0	110	95	155	214	148	1090	665	226	244	209
23	94	4.9	125	100	165	239	171	1440	604	220	163	183
24	75	4.2	115	105	170	265	135	1950	580	228	138	163
25	68	3.0	115	110	170	282	137	1880	544	292	120	147
26	66	2.9	115	105	185	234	148	1260	471	250	117	140
27	74	3.3	115	95	200	128	134	1030	507	220	109	120
28	55	1.3	115	100	195	105	122	1230	482	231	115	120
29	68	2.0	120	95	---	77	136	1480	427	233	111	328
30	151	10	120	105	---	93	180	916	285	220	120	367
31	116	---	120	100	---	96	---	843	---	216	126	---
TOTAL	3567	353.6	3406	3370	4070	5752	3263	26957	27113	9835	5077	4429
MEAN	115	11.8	110	109	145	186	109	870	904	317	164	148
AC-FT	7080	701	6760	6680	8070	11410	6470	53470	53780	19510	10070	8780
MAX	424	95	190	135	200	282	180	1950	1940	719	244	367
MIN	55	1.3	20	95	120	77	52	198	285	205	109	60

CAL YR 1989 TOTAL 104069.6 MEAN 285 MAX 1210 MIN 1.3 AC-FT 206400  
WTR YR 1990 TOTAL 97192.6 MEAN 266 MAX 1950 MIN 1.3 AC-FT 192800

MAX DISCH 2518 CFS AT 1100 05-JUN-1990 GH 5.96 FT. SHIFT 0.00 FT. MAX GH 5.96 FT. AT 1100 05-JUN-1990



RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO (1981)

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder in a timber shelter and well. Datum of gage is 7,532.66 ft.

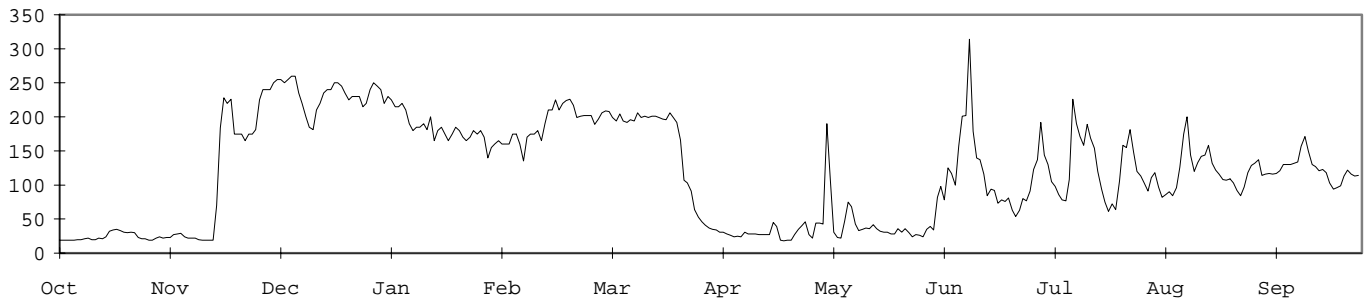
**RATING TABLE.**--RIOALACO19 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	23	255	230	165	197	37	44	35	123	103	132
2	19	27	255	225	160	206	35	44	39	137	91	137
3	19	28	250	215	160	209	34	43	34	192	111	114
4	19	29	255	215	160	208	31	190	82	144	118	116
5	19	24	260	220	175	199	31	110	98	130	97	117
6	20	22	260	210	175	194	28	31	78	105	82	116
7	20	22	235	190	160	204	26	23	125	98	86	117
8	21	22	220	180	135	194	24	22	117	86	90	121
9	22	20	200	185	170	192	25	47	100	78	84	130
10	20	19	185	185	175	196	24	75	157	77	96	130
11	20	19	195	190	175	194	31	68	201	108	126	130
12	22	19	210	195	180	206	28	43	202	226	175	132
13	21	19	220	200	165	199	28	33	314	190	200	134
14	24	70	235	165	190	201	28	35	179	171	144	157
15	32	184	240	180	210	199	27	37	140	158	120	171
16	34	228	240	185	210	201	27	36	137	189	133	150
17	35	220	250	175	225	201	27	42	116	169	142	130
18	33	226	250	165	210	199	27	36	84	154	144	127
19	31	175	245	175	220	197	45	32	94	120	158	121
20	30	175	235	185	224	196	39	31	92	94	132	123
21	31	175	225	180	226	206	19	31	73	75	122	118
22	30	165	230	170	217	199	18	28	78	61	116	103
23	23	175	230	165	199	192	19	28	76	72	108	94
24	21	175	230	170	201	166	19	36	81	64	107	96
25	21	195	215	180	202	107	27	31	63	106	109	99
26	19	225	220	175	202	103	35	36	54	158	103	113
27	19	240	240	180	202	91	40	30	63	155	92	122
28	22	240	250	170	189	64	46	24	80	181	84	116
29	24	240	245	140	---	53	27	27	77	148	97	113
30	22	250	240	155	---	46	22	26	91	120	118	114
31	23	---	220	160	---	41	---	24	---	113	129	---
TOTAL	735	3651	7240	5715	5282	5260	874	1343	3160	4002	3617	3693
MEAN	23.7	122	234	184	189	170	29.1	43.3	105	129	117	123
AC-FT	1460	7240	14360	11340	10480	10430	1730	2660	6270	7940	7170	7330
MAX	35	250	260	230	226	209	46	190	314	226	200	171
MIN	19	19	185	140	135	41	18	22	34	61	82	94

CAL YR 1980 TOTAL 102166 MEAN 279 MAX 1900 MIN 19 AC-FT 202600  
WTR YR 1981 TOTAL 44572 MEAN 122 MAX 314 MIN 18 AC-FT 88410

MAX DISCH 383 CFS AT 1430 13-JUN-1981 GH 3.50 FT. SHIFT -0.03 FT. MAX GH 4.67 FT. AT 1230 31-DEC-1980



## RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO (1982)

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder in a timber shelter and well. Datum of gage is 7,532.66 ft.

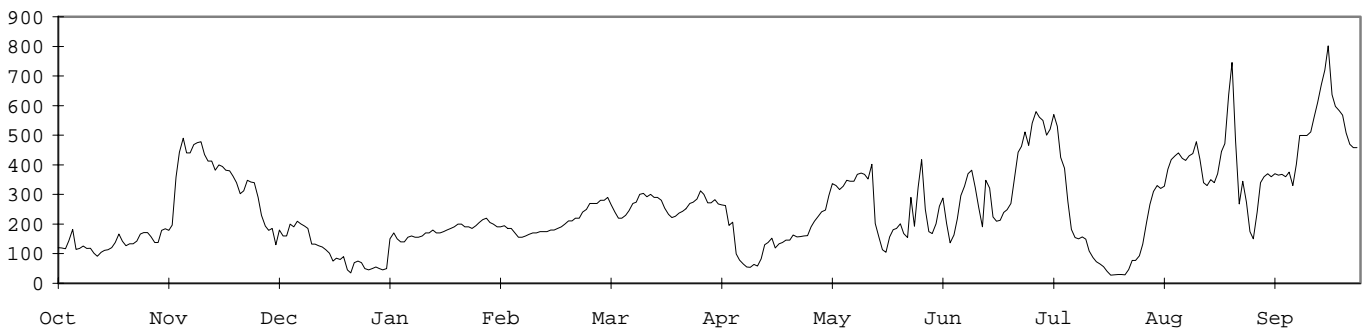
**RATING TABLE.**--RIOALACO19 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	179	130	50	190	270	272	209	250	540	132	150
2	120	197	180	150	190	280	272	226	174	580	206	240
3	116	358	160	170	195	280	282	241	168	560	266	340
4	144	442	160	150	185	290	268	247	201	550	310	360
5	182	490	200	140	185	265	264	296	260	500	330	370
6	114	440	190	140	170	240	262	336	288	520	320	360
7	117	440	209	155	155	220	196	330	202	570	328	370
8	126	468	201	160	155	220	206	316	136	530	385	365
9	117	475	194	155	160	230	99	328	163	425	418	368
10	118	478	185	155	165	245	78	348	218	388	430	360
11	102	435	132	160	170	270	65	345	296	276	440	375
12	91	412	132	170	170	274	55	345	328	182	422	330
13	105	412	127	170	175	300	54	368	370	154	415	402
14	111	382	123	180	175	304	63	372	382	150	430	499
15	113	400	113	170	175	292	58	368	324	157	438	499
16	121	395	101	170	180	300	82	352	258	149	478	499
17	137	382	75	175	180	290	130	402	190	109	420	511
18	166	380	85	180	185	290	137	202	348	87	340	560
19	142	362	80	185	190	280	152	158	322	73	330	610
20	127	340	90	190	200	254	120	113	224	65	350	670
21	133	302	45	200	210	233	133	105	209	56	340	720
22	133	312	35	200	210	222	137	157	213	40	370	802
23	143	348	70	190	220	226	146	181	239	28	445	637
24	166	342	75	190	220	237	146	185	249	29	472	598
25	171	340	70	185	240	243	163	201	270	30	637	583
26	171	290	50	195	250	252	157	168	350	30	746	568
27	158	230	45	205	270	270	158	154	442	29	481	508
28	137	194	50	215	270	274	160	290	462	47	268	470
29	137	179	55	220	---	284	161	192	511	77	345	458
30	179	185	50	205	---	312	190	324	465	77	274	458
31	184	---	45	200	---	300	---	418	---	93	174	---
TOTAL	4202	10589	3457	5380	5440	8247	4666	8277	8512	7101	11740	14040
MEAN	136	353	112	174	194	266	156	267	284	229	379	468
AC-FT	8330	21000	6860	10670	10790	16360	9260	16420	16880	14080	23290	27850
MAX	184	490	209	220	270	312	282	418	511	580	746	802
MIN	91	179	35	50	155	220	54	105	136	28	132	150

CAL YR 1981 TOTAL 51194 MEAN 140 MAX 490 MIN 18 AC-FT 101500  
WTR YR 1982 TOTAL 91651 MEAN 251 MAX 802 MIN 28 AC-FT 181800

MAX DISCH 884 CFS AT 0730 22-SEP-1982 GH 5.42 FT. SHIFT -0.31 FT. MAX GH 5.42 FT. AT 0730 22-SEP-1982



RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO (1983)

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder in a timber shelter and well. Datum of gage is 7,532.66 ft.

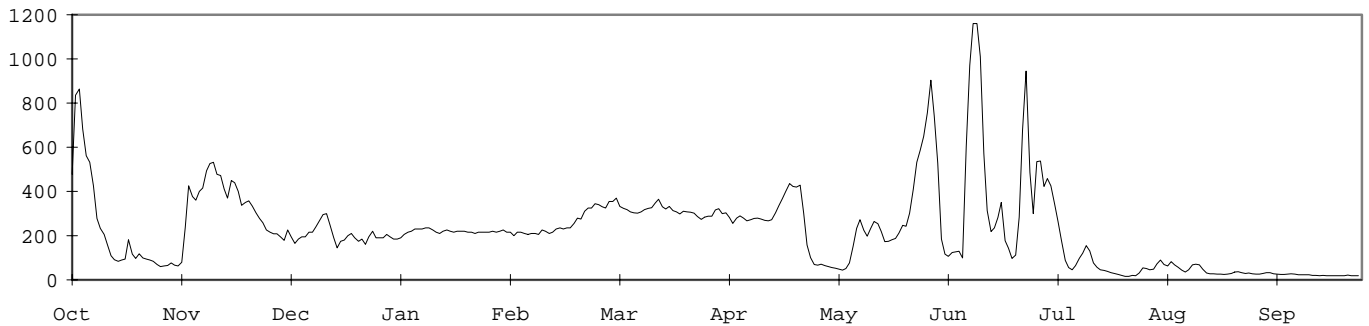
**RATING TABLE.**--RIOALACO19 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	478	80	225	185	215	325	316	71	904	535	51	26
2	836	239	195	190	215	355	322	64	742	538	45	25
3	864	425	165	205	200	355	300	60	528	422	48	29
4	682	378	185	215	215	370	304	56	184	458	73	32
5	562	360	195	220	215	332	282	52	117	425	89	33
6	532	400	195	230	210	324	256	48	106	345	69	27
7	425	415	215	230	205	318	280	44	123	262	63	26
8	278	493	215	230	210	308	290	51	126	179	82	24
9	233	526	240	235	210	304	280	76	129	88	68	24
10	206	532	270	235	205	302	266	152	100	56	57	25
11	158	478	295	225	225	308	272	232	603	46	44	27
12	109	472	300	215	220	318	278	272	970	64	36	26
13	91	412	250	210	210	324	280	224	1160	98	46	23
14	83	370	190	220	215	326	275	197	1160	121	68	22
15	90	450	145	225	230	348	270	233	1010	155	71	22
16	93	440	175	220	235	365	266	264	571	130	68	22
17	182	400	180	215	230	330	272	254	314	77	48	20
18	116	338	200	220	235	320	304	218	218	57	31	20
19	97	350	210	220	235	332	336	173	235	46	27	19
20	118	358	190	220	255	314	368	174	282	42	27	20
21	99	334	175	215	280	308	400	182	350	38	25	19
22	93	304	185	215	275	298	435	187	177	33	25	19
23	90	278	160	210	310	310	422	211	143	29	24	19
24	84	258	195	215	325	308	420	247	97	24	25	19
25	70	226	220	215	325	306	428	243	112	20	28	18
26	60	215	190	215	345	302	302	302	283	16	35	18
27	63	209	190	215	340	286	158	410	679	16	37	21
28	65	209	190	220	330	274	101	532	944	20	32	18
29	77	194	205	215	---	284	70	586	486	19	29	18
30	67	179	195	220	---	288	66	649	300	31	31	19
31	63	---	185	225	---	288	---	756	---	54	27	---
TOTAL	7064	10322	6325	6745	6920	9830	8619	7220	13153	4444	1429	680
MEAN	228	344	204	218	247	317	287	233	438	143	46.1	22.7
AC-FT	14010	20470	12550	13380	13730	19500	17100	14320	26090	8810	2830	1350
MAX	864	532	300	235	345	370	435	756	1160	538	89	33
MIN	60	80	145	185	200	274	66	44	97	16	24	18

CAL YR 1982 TOTAL 97114 MEAN 266 MAX 864 MIN 28 AC-FT 192600  
WTR YR 1983 TOTAL 82751 MEAN 227 MAX 1160 MIN 16 AC-FT 164100

MAX DISCH 1202 CFS AT 1800 13-JUN-1983 GH 5.92 FT. SHIFT -0.15 FT. MAX GH 5.92 FT. AT 1800 13-JUN-1983



RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO (1984)

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder in a timber shelter and well. Datum of gage is 7,532.66 ft.

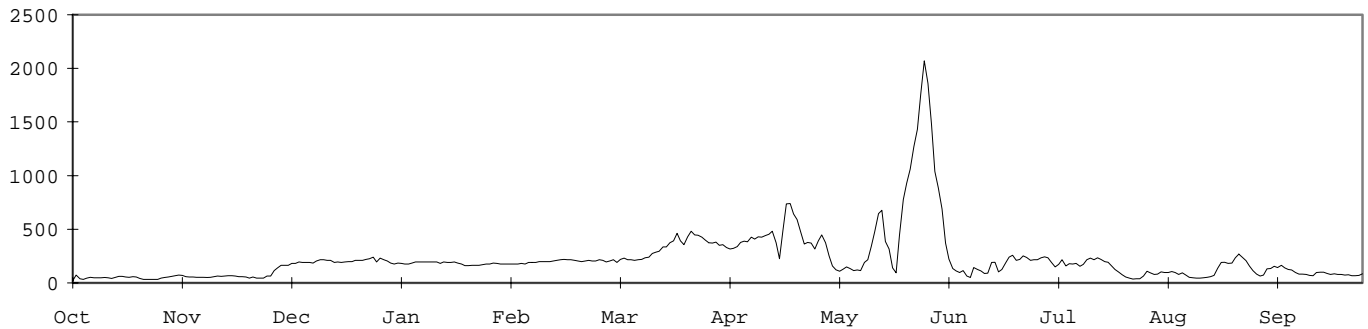
**RATING TABLE.**--RIOALACO19 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	70	165	185	175	205	350	375	1040	235	93	63
2	72	57	180	180	175	215	355	250	884	243	79	74
3	39	56	180	175	175	190	330	158	688	233	82	132
4	33	56	195	175	175	220	314	123	370	189	102	133
5	45	54	190	185	180	230	320	109	222	150	97	155
6	53	52	190	195	175	215	340	129	134	171	97	144
7	48	52	190	195	190	215	378	148	112	215	106	163
8	48	51	185	195	190	210	388	134	95	157	96	139
9	46	53	205	195	190	215	382	114	115	179	79	127
10	49	59	215	195	200	220	425	120	65	176	94	121
11	47	63	215	195	200	235	408	113	51	181	74	96
12	41	61	210	195	200	240	430	190	142	154	54	83
13	49	65	210	180	200	275	425	215	126	173	47	81
14	62	67	190	195	205	285	442	342	112	215	45	80
15	61	66	195	190	210	295	452	475	89	230	44	70
16	55	63	190	190	215	335	482	646	91	217	46	66
17	54	57	195	195	220	335	375	679	190	235	54	97
18	57	57	200	185	215	375	226	385	192	218	58	98
19	56	55	200	175	215	390	494	316	103	199	70	99
20	42	45	210	160	210	460	735	139	125	192	136	88
21	33	55	211	160	205	390	738	93	187	158	189	80
22	32	45	210	165	200	355	643	445	165	239	127	86
23	31	45	220	165	205	430	589	777	258	100	182	79
24	31	45	225	165	210	482	472	928	211	75	185	79
25	33	65	240	170	205	448	362	1060	220	55	235	74
26	44	65	195	175	205	445	378	1270	250	45	270	75
27	49	115	230	175	215	425	370	1430	237	35	239	68
28	55	140	215	185	210	400	314	1760	209	38	206	67
29	61	165	205	180	195	375	392	2070	217	39	158	71
30	67	165	185	175	---	370	448	1860	215	64	114	84
31	74	---	175	175	---	380	---	1480	---	107	82	---
TOTAL	1486	2064	6221	5625	5765	9860	12757	18333	7189	4805	3605	2872
MEAN	47.9	68.8	201	181	199	318	425	591	240	155	116	95.7
AC-FT	2950	4090	12340	11160	11430	19560	25300	36360	14260	9530	7150	5700
MAX	74	165	240	195	220	482	738	2070	1040	243	270	163
MIN	19	45	165	160	175	190	226	93	51	35	44	63

CAL YR 1983 TOTAL 68811 MEAN 189 MAX 1160 MIN 16 AC-FT 136500  
WTR YR 1984 TOTAL 80582 MEAN 220 MAX 2070 MIN 19 AC-FT 159800

MAX DISCH 2092 CFS AT 1700 29-MAY-1984 GH 7.06 FT. SHIFT -0.02 FT. MAX GH 7.06 FT. AT 1700 29-MAY-1984



RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO (1985)

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder in a timber shelter and well. Datum of gage is 7,532.66 ft.

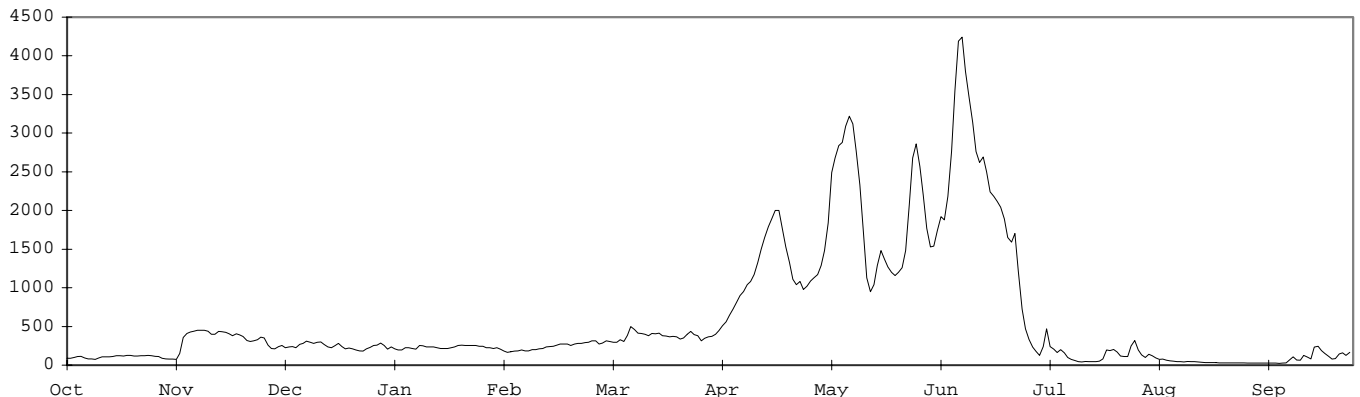
**RATING TABLE.**-- RIOALACO19 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	75	255	235	205	275	365	1130	2200	332	194	27
2	88	151	225	210	180	285	372	1170	1770	233	134	27
3	100	358	235	195	165	315	398	1290	1530	177	101	26
4	109	408	240	195	175	305	445	1480	1540	126	139	26
5	113	430	225	225	180	295	508	1840	1740	240	122	25
6	94	438	270	225	185	295	562	2490	1920	468	92	25
7	80	450	280	215	195	330	646	2680	1880	239	72	24
8	80	450	310	205	185	305	724	2840	2180	208	77	24
9	72	452	295	255	185	385	816	2880	2760	161	61	24
10	93	438	280	250	200	500	900	3090	3550	201	56	23
11	107	400	295	235	200	460	952	3220	4190	158	50	25
12	107	398	300	235	210	415	1040	3120	4240	101	45	28
13	108	435	265	235	215	410	1080	2770	3800	74	43	70
14	112	432	235	225	235	398	1170	2330	3470	58	41	106
15	120	425	225	215	240	382	1330	1720	3140	46	49	67
16	121	405	250	215	245	410	1500	1130	2760	39	44	64
17	118	380	280	215	260	405	1650	948	2620	47	45	127
18	126	405	240	225	275	415	1790	1040	2690	46	42	102
19	126	392	210	235	275	380	1890	1290	2500	46	36	82
20	117	370	220	255	275	378	2000	1480	2240	46	32	234
21	118	316	210	260	255	365	2000	1370	2180	50	35	245
22	121	306	195	255	275	372	1770	1270	2120	83	33	190
23	121	314	185	255	280	365	1530	1200	2040	197	35	152
24	125	328	180	255	280	336	1330	1160	1890	189	31	113
25	120	360	210	255	290	352	1110	1200	1650	202	31	79
26	114	350	230	245	295	398	1040	1260	1590	171	30	84
27	111	260	255	245	315	435	1080	1480	1700	118	30	144
28	89	215	260	225	315	395	980	2080	1220	111	29	157
29	81	210	285	225	---	380	1020	2680	724	112	29	127
30	78	240	255	215	---	314	1090	2860	470	248	28	165
31	76	---	205	225	---	348	---	2570	---	316	28	---
TOTAL	3232	10591	7605	7160	6590	11403	33088	59068	68304	4843	1814	2612
MEAN	104	353	245	231	235	368	1103	1905	2277	156	58.5	87.1
AC-FT	6410	21010	15080	14200	13070	22620	65630	117200	135500	9610	3600	5180
MAX	126	452	310	260	315	500	2000	3220	4240	468	194	245
MIN	72	75	180	195	165	275	365	948	470	39	28	23

CAL YR 1984 TOTAL 92240 MEAN 252 MAX 2070 MIN 35 AC-FT 183000  
WTR YR 1985 TOTAL 216310 MEAN 593 MAX 4240 MIN 23 AC-FT 429100

MAX DISCH 4376 CFS AT 0100 12-JUN-1985 GH 9.43 FT. SHIFT 0.03 FT. MAX GH 9.43 FT. AT 0100 12-JUN-1985



## RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO (1986)

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and well. Datum of gage is 7,532.66 ft.

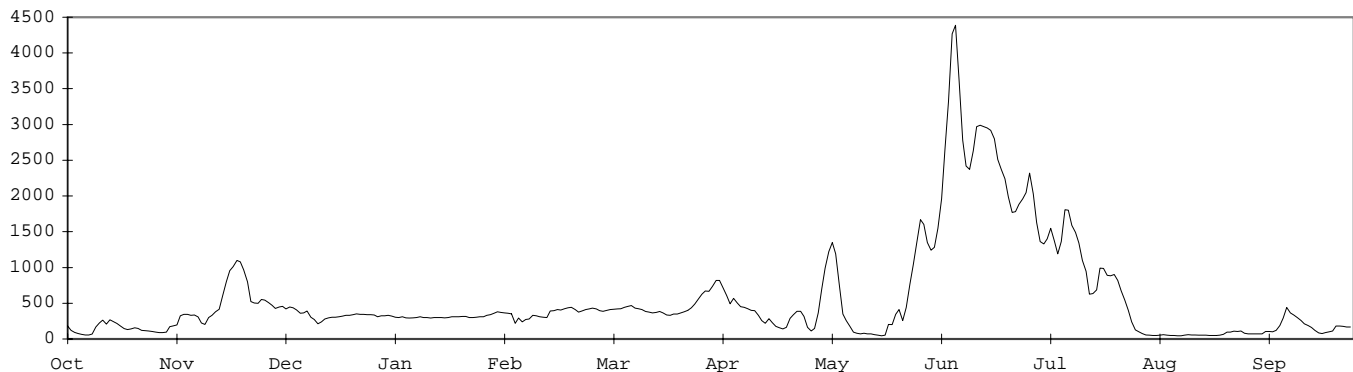
**RATING TABLE.**--RIOALACO20 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178	196	454	320	370	394	668	148	1600	2320	98	70
2	119	324	421	305	365	388	736	365	1350	2030	76	73
3	92	343	448	300	360	400	820	700	1240	1630	55	73
4	75	343	436	310	350	412	820	990	1280	1360	51	70
5	63	332	409	295	220	415	716	1220	1550	1330	46	70
6	56	335	360	290	290	421	608	1350	1960	1400	46	102
7	55	306	365	295	240	424	493	1190	2650	1550	53	103
8	67	222	390	300	270	442	566	752	3320	1370	58	100
9	166	202	305	310	280	457	505	346	4270	1190	51	119
10	225	300	270	300	330	469	451	255	4390	1360	47	189
11	264	332	210	300	325	433	442	175	3630	1810	46	293
12	209	380	240	290	310	424	424	97	2780	1800	45	439
13	267	415	280	300	305	412	400	79	2420	1590	44	363
14	243	597	295	300	300	383	394	70	2370	1490	51	335
15	217	804	305	300	390	374	330	78	2630	1340	60	298
16	181	955	305	295	395	365	254	70	2970	1100	57	259
17	143	1010	310	300	410	371	220	70	2990	945	55	212
18	133	1100	320	310	405	383	285	60	2970	628	52	189
19	139	1080	330	310	425	363	228	50	2950	636	50	160
20	155	965	330	310	435	335	174	45	2920	688	50	120
21	147	800	340	315	445	332	157	50	2800	990	49	85
22	120	525	350	315	412	346	140	202	2510	985	48	75
23	114	505	345	300	377	349	165	199	2370	892	48	89
24	113	500	345	300	391	363	287	343	2240	884	53	99
25	103	550	340	305	412	380	340	412	1990	904	63	110
26	95	545	340	310	418	400	386	256	1770	820	95	178
27	88	508	335	310	430	436	388	439	1780	676	95	181
28	88	472	310	330	418	487	316	768	1880	544	106	174
29	95	427	325	340	---	558	165	1040	1960	400	102	166
30	171	448	325	360	---	628	110	1350	2050	238	112	168
31	184	---	330	380	---	672	---	1670	---	126	80	---
TOTAL	4365	15821	10468	9605	10078	13016	11988	14839	73590	35026	1942	4962
MEAN	141	527	338	310	360	420	400	479	2453	1130	62.6	165
AC-FT	8660	31380	20760	19050	19990	25820	23780	29430	146000	69470	3850	9840
MAX	267	1100	454	380	445	672	820	1670	4390	2320	112	439
MIN	55	196	210	290	220	332	110	45	1240	126	44	70

CAL YR 1985 TOTAL 225536 MEAN 618 MAX 4240 MIN 23 AC-FT 447400  
WTR YR 1986 TOTAL 205700 MEAN 564 MAX 4390 MIN 44 AC-FT 408000

MAX DISCH 4600 CFS AT 2230 09-JUN-1986 GH 8.62 FT. SHIFT -0.02 FT. MAX GH 8.62 FT. AT 2230 09-JUN-1986



RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO (1987)

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

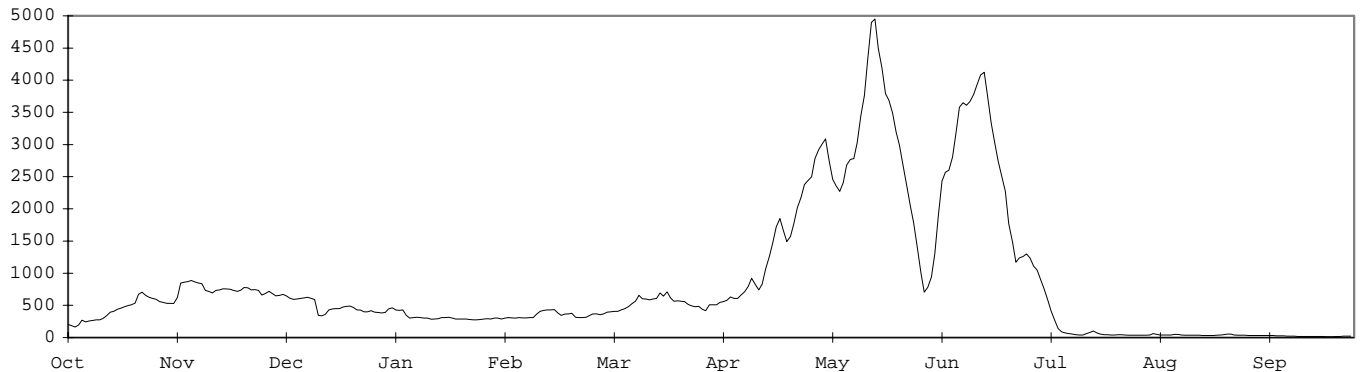
**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and well. Datum of gage is 7,532.66 ft.

**RATING TABLE.**--RIOALACO20 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	623	668	460	290	355	511	2780	704	1240	34	33
2	186	846	646	430	300	370	508	2920	780	1110	34	32
3	165	860	606	420	310	395	508	3010	940	1050	36	31
4	196	869	594	430	305	400	545	3090	1300	904	40	31
5	272	888	598	345	300	410	561	2740	1890	749	61	31
6	243	864	610	300	310	410	579	2460	2430	589	51	31
7	259	848	617	310	305	430	630	2360	2570	412	42	31
8	265	840	625	315	305	450	606	2270	2600	267	42	31
9	277	732	610	310	310	480	608	2410	2810	136	42	28
10	274	714	590	300	310	525	659	2680	3170	88	42	26
11	298	692	345	300	365	565	711	2770	3580	70	47	26
12	343	734	335	285	410	655	792	2780	3650	62	50	23
13	397	742	360	290	420	605	921	3030	3610	53	39	21
14	406	757	430	295	430	600	828	3450	3670	46	34	21
15	439	752	445	310	430	585	743	3760	3780	40	35	19
16	456	748	450	310	435	600	831	4330	3930	40	36	19
17	480	732	450	315	380	610	1070	4900	4080	61	36	19
18	495	719	475	300	345	690	1260	4950	4120	79	34	19
19	508	737	485	290	365	642	1470	4490	3750	101	32	19
20	539	777	490	290	370	708	1720	4190	3340	71	30	18
21	672	772	465	290	375	611	1850	3790	3020	52	30	17
22	705	741	430	290	315	565	1670	3690	2740	44	32	16
23	658	747	425	280	310	572	1490	3490	2510	44	36	15
24	627	732	400	275	310	562	1570	3200	2270	42	40	15
25	608	662	400	275	315	561	1770	2990	1770	41	46	15
26	596	684	415	280	340	513	2020	2670	1480	44	52	16
27	560	717	395	290	370	492	2180	2370	1170	45	54	18
28	546	684	390	295	370	479	2380	2050	1240	40	41	20
29	532	646	380	290	---	482	2440	1780	1260	37	36	21
30	532	656	390	300	---	441	2500	1410	1300	36	35	20
31	527	---	445	300	---	416	---	1010	---	35	34	---
TOTAL	13265	22515	14964	9770	9700	16179	35931	93820	75464	7628	1233	682
MEAN	428	751	483	315	346	522	1198	3026	2515	246	39.8	22.7
AC-FT	26310	44660	29680	19380	19240	32090	71270	186100	149700	15130	2450	1350
MAX	705	888	668	460	435	708	2500	4950	4120	1240	61	33
MIN	165	623	335	275	290	355	508	1010	704	35	30	15
CAL YR 1986 TOTAL	225790		MEAN	619	MAX	4390	MIN	44	AC-FT	447900		
WTR YR 1987 TOTAL	301151		MEAN	825	MAX	4950	MIN	15	AC-FT	597300		

MAX DISCH 5160 CFS AT 2145 17-MAY-1987 GH 8.69 FT. SHIFT 0.26 FT. MAX GH 8.69 FT. AT 2145 17-MAY-1987



## RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO (1988)

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and well. Datum of gage is 7,532.66 ft.

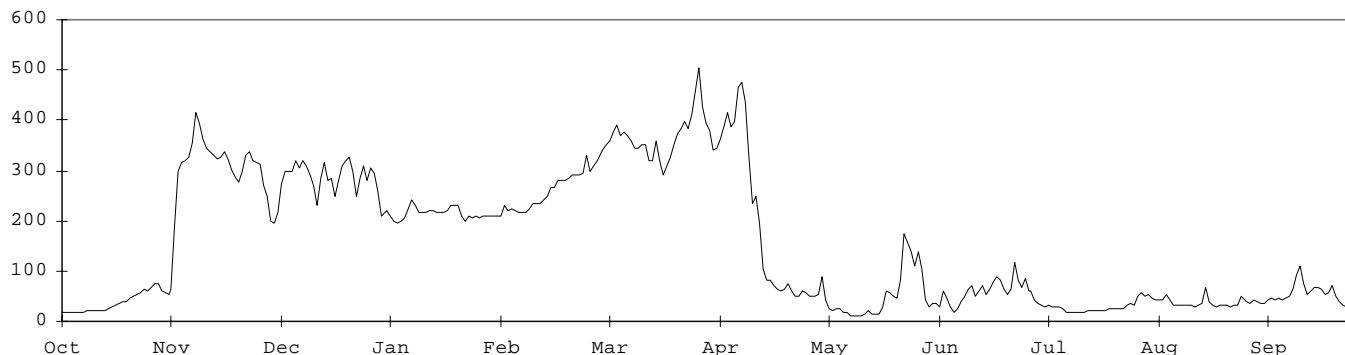
**RATING TABLE.**--RIOALACO20 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	64	215	220	210	335	380	49	41	59	58	35
2	19	186	275	210	210	340	342	52	30	44	51	41
3	19	299	300	200	230	350	344	90	35	34	53	40
4	19	315	300	195	220	360	362	42	34	32	47	36
5	19	318	300	200	225	375	387	25	29	30	44	36
6	18	325	320	205	220	390	417	22	59	33	41	44
7	19	355	305	225	215	370	388	24	45	29	42	45
8	20	417	320	240	215	375	397	26	30	27	54	43
9	20	394	310	230	215	370	466	19	16	27	41	45
10	20	363	290	215	225	360	476	16	25	24	33	44
11	21	343	270	215	235	345	437	12	40	19	31	45
12	23	338	230	215	235	345	330	12	50	19	32	50
13	23	330	285	220	235	350	234	11	65	19	31	63
14	26	322	315	220	240	350	249	12	71	19	31	92
15	27	325	280	215	250	320	195	13	49	19	31	109
16	32	338	285	215	265	320	102	20	61	19	29	76
17	34	323	250	215	265	360	80	14	72	20	31	54
18	38	302	280	220	280	321	80	13	55	21	36	60
19	40	286	310	230	280	291	70	15	64	21	66	67
20	47	276	320	230	280	308	65	27	77	22	40	67
21	51	299	325	230	285	325	60	61	90	22	31	63
22	54	331	300	210	290	352	65	57	83	22	30	52
23	58	336	250	200	290	373	75	48	65	24	31	58
24	63	318	285	210	290	385	60	46	52	24	33	71
25	62	317	310	205	295	399	50	83	65	25	31	49
26	66	314	280	210	330	385	51	173	117	26	30	39
27	76	270	305	205	300	412	62	155	83	26	31	33
28	73	250	295	210	310	457	56	138	69	31	33	29
29	62	200	260	210	320	503	50	109	86	35	49	27
30	58	195	210	210	---	427	51	139	61	33	43	25
31	54	---	215	210	---	394	---	102	---	50	38	---
TOTAL	1180	9049	8795	6645	7460	11347	6381	1625	1719	855	1202	1538
MEAN	38.1	302	284	214	257	366	213	52.4	57.3	27.6	38.8	51.3
AC-FT	2340	17950	17440	13180	14800	22510	12660	3220	3410	1700	2380	3050
MAX	76	417	325	240	330	503	476	173	117	59	66	109
MIN	18	64	210	195	210	291	50	11	16	19	29	25

CAL YR 1987 TOTAL 269431 MEAN 738 MAX 4950 MIN 15 AC-FT 534400  
WTR YR 1988 TOTAL 57796 MEAN 158 MAX 503 MIN 11 AC-FT 114600

MAX DISCH 531 CFS AT 1300 29-MAR-1988 GH 3.51 FT. SHIFT -0.18 FT. MAX GH 3.51 FT. AT 1300 29-MAR-1988



RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO (1989)

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

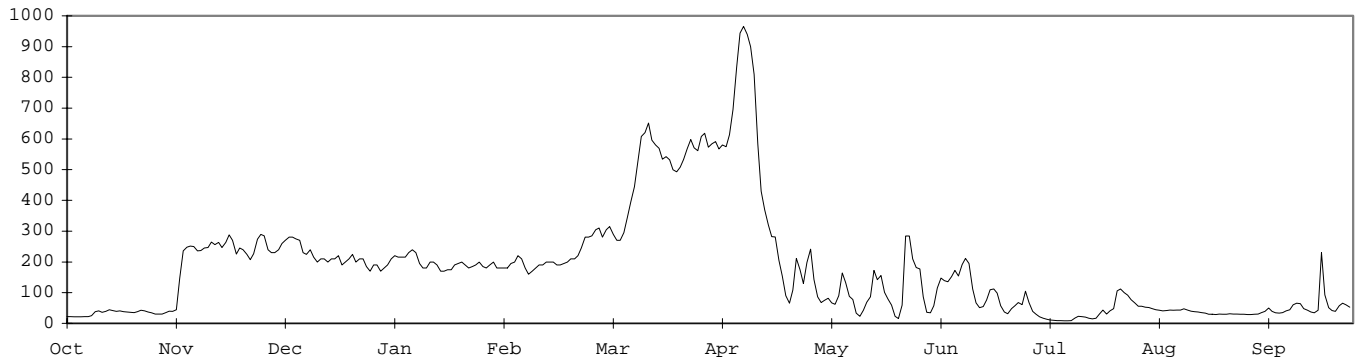
**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and well. Datum of gage is 7,532.66 ft.

**RATING TABLE.**--RIOALACO21 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	45	260	210	180	310	573	143	86	68	56	29
2	22	147	270	220	180	280	584	86	36	39	56	29
3	21	236	280	215	180	305	591	68	34	30	53	30
4	21	248	280	215	195	315	567	75	58	21	52	31
5	21	252	275	215	200	290	580	82	115	17	48	35
6	22	250	270	230	220	270	575	67	148	14	45	39
7	22	236	230	240	210	270	614	62	139	11	43	50
8	25	237	225	230	180	295	695	90	136	9.8	41	39
9	38	245	240	195	160	345	834	164	152	9.4	42	34
10	41	247	215	180	170	395	944	133	173	9.3	44	33
11	36	265	200	180	180	445	966	88	154	8.7	43	35
12	39	256	210	200	190	528	940	78	191	8.7	44	41
13	45	264	210	200	190	608	900	33	212	9.4	44	45
14	42	247	200	190	200	620	810	23	195	18	47	60
15	39	264	210	170	200	652	584	43	112	23	44	66
16	41	288	210	170	200	596	430	69	67	22	40	64
17	38	270	220	175	190	580	370	86	51	20	38	48
18	37	226	190	175	190	569	320	173	55	17	37	43
19	36	245	200	190	195	534	282	142	76	15	35	37
20	35	240	210	195	200	542	281	156	110	17	33	34
21	38	225	225	200	210	532	205	101	112	31	30	43
22	43	207	200	190	210	500	154	80	98	44	30	230
23	41	227	210	180	220	493	90	59	58	31	29	93
24	37	274	210	185	245	508	66	23	37	41	31	51
25	34	290	185	190	280	533	109	16	32	48	30	42
26	31	285	170	200	280	568	212	59	48	106	30	39
27	31	240	190	185	285	598	175	284	58	112	32	58
28	31	230	190	180	305	571	130	284	68	100	31	66
29	35	230	170	190	---	562	198	210	61	92	31	60
30	40	240	180	200	---	608	241	182	105	77	30	53
31	39	---	190	180	---	618	---	177	---	67	30	---
TOTAL	1043	7156	6725	6075	5845	14840	14020	3336	2977	1136.3	1219	1557
MEAN	33.6	239	217	196	209	479	467	108	99.2	36.7	39.3	51.9
AC-FT	2070	14190	13340	12050	11590	29440	27810	6620	5900	2250	2420	3090
MAX	45	290	280	240	305	652	966	284	212	112	56	230
MIN	21	45	170	170	160	270	66	16	32	8.7	29	29
CAL YR 1988 TOTAL		53696	MEAN	147	MAX	503	MIN	11	AC-FT	106500		
WTR YR 1989 TOTAL		65929.3	MEAN	181	MAX	966	MIN	8.7	AC-FT	130800		

MAX DISCH 980 CFS AT 1100 11-APR-1989 GH 4.64 FT. SHIFT -0.16 FT. MAX GH 4.66 FT. AT 1300 11-MAR-1989



## RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO (1990)

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and well. Datum of gage is 7,532.66 ft.

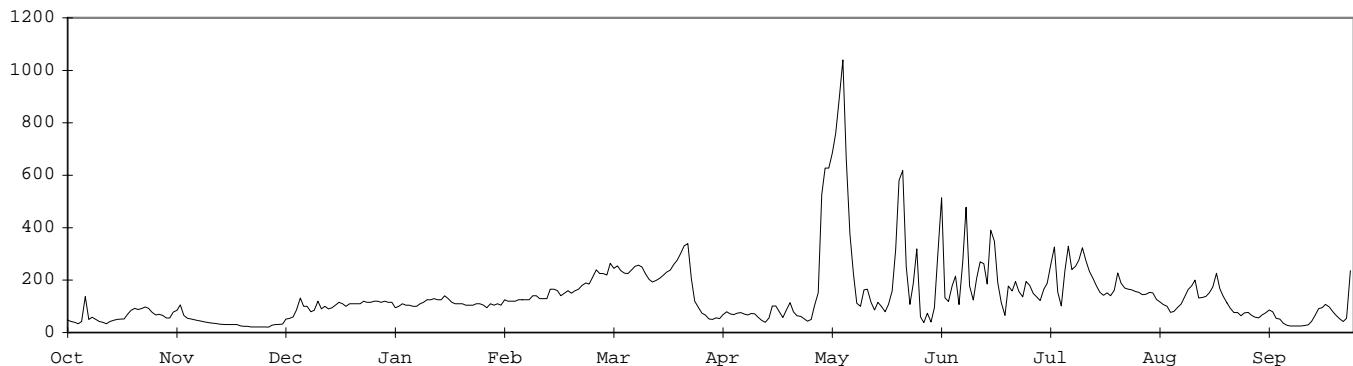
**RATING TABLE.**--RIOALACO21 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	85	33	115	105	225	52	103	38	181	153	77
2	43	106	51	95	125	225	50	152	74	149	145	66
3	39	65	54	100	120	220	57	527	40	136	146	59
4	34	54	60	110	120	265	53	627	95	122	154	57
5	42	52	86	105	120	245	69	627	305	166	151	67
6	137	49	132	105	125	255	79	685	514	188	126	75
7	50	46	100	100	125	236	72	759	133	258	116	86
8	59	44	100	100	125	227	69	897	119	327	107	80
9	50	40	80	110	125	225	74	1040	179	155	100	54
10	43	38	85	115	140	239	76	663	216	101	77	51
11	39	36	120	125	140	253	71	377	107	237	81	36
12	34	35	90	125	130	257	68	224	269	330	96	28
13	42	33	100	130	130	250	73	112	478	241	109	25
14	47	32	90	125	130	223	72	100	178	253	135	25
15	50	31	95	125	165	202	58	163	124	277	164	25
16	51	30	105	140	165	193	47	165	207	323	179	25
17	52	31	115	130	160	199	39	115	270	272	200	27
18	70	30	110	115	140	207	56	86	262	233	132	29
19	85	26	100	110	150	218	101	115	185	207	134	42
20	93	24	110	110	160	231	101	99	391	176	138	64
21	88	24	110	110	150	239	78	79	349	153	151	91
22	91	22	110	105	160	259	58	108	191	143	174	95
23	98	22	110	105	165	277	86	159	114	151	227	108
24	93	22	120	105	180	303	114	317	65	141	168	98
25	77	22	115	110	190	331	80	580	178	161	137	81
26	68	22	115	110	185	340	64	618	159	228	113	66
27	70	21	120	105	210	206	62	251	195	188	93	52
28	65	28	120	95	240	120	53	108	157	170	76	43
29	56	30	115	110	---	96	44	187	136	165	76	54
30	55	32	120	105	---	74	50	319	195	163	64	236
31	78	---	115	110	---	68	---	60	---	157	75	---
TOTAL	1947	1132	3086	3460	4180	6908	2026	10422	5923	6152	3997	1922
MEAN	62.8	37.7	99.5	112	149	223	67.5	336	197	198	129	64.1
AC-FT	3860	2250	6120	6860	8290	13700	4020	20670	11750	12200	7930	3810
MAX	137	106	132	140	240	340	114	1040	514	330	227	236
MIN	34	21	33	95	105	68	39	60	38	101	64	25

CAL YR 1989 TOTAL 57170.3 MEAN 157 MAX 966 MIN 8.7 AC-FT 113400  
WTR YR 1990 TOTAL 51155 MEAN 140 MAX 1040 MIN 21 AC-FT 101500

MAX DISCH 1080 CFS AT 2145 09-MAY-1990 GH 4.92 FT. SHIFT -0.24 FT. MAX GH 4.92 FT. AT 2145 09-MAY-1990



RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO (1983)

LOCATION.--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

DRAINAGE AREA.--595 mi<sup>2</sup>.

GAGE.--Water-stage recorder. 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.

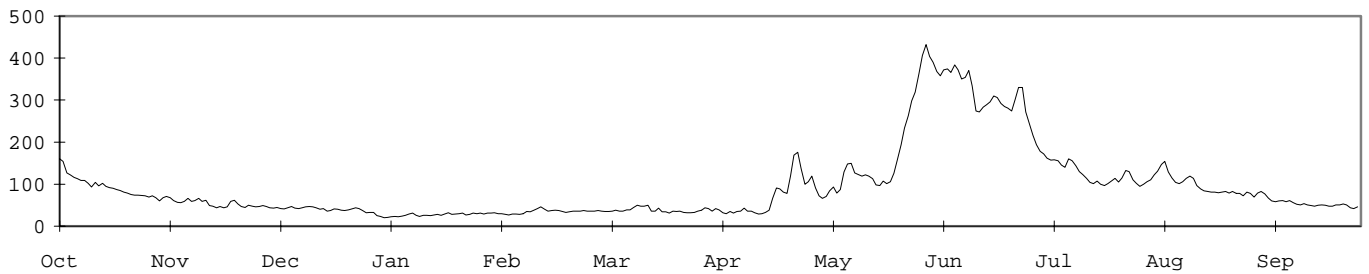
RATING TABLE.--SAGSAGCO14 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	68	45	21	30	37	42	91	432	216	100	69
2	154	61	42	22	30	36	36	72	404	194	106	79
3	127	57	41	23	28	35	42	66	390	178	110	83
4	122	56	44	22	27	35	39	71	368	172	122	77
5	116	59	47	24	29	36	32	84	358	162	131	67
6	113	66	43	26	29	38	30	93	372	157	147	60
7	109	59	42	29	28	36	35	79	374	158	154	58
8	109	61	44	31	30	36	31	87	366	156	129	60
9	102	66	46	26	35	39	35	129	384	145	115	61
10	93	59	47	23	34	39	36	148	372	140	104	58
11	104	62	46	26	38	45	43	150	350	160	101	61
12	96	49	44	26	42	50	36	127	354	156	106	56
13	102	48	40	25	46	48	36	123	370	144	114	52
14	95	44	42	27	40	48	32	119	334	130	119	51
15	92	47	36	28	36	50	29	122	274	123	114	54
16	90	44	37	26	37	36	30	119	272	114	97	51
17	87	46	41	29	38	36	33	113	283	104	89	49
18	85	59	40	32	37	43	38	98	289	101	84	48
19	81	62	38	28	35	34	66	97	296	107	83	50
20	79	53	37	29	33	34	91	107	310	100	81	51
21	75	47	39	30	34	31	89	101	306	97	81	50
22	74	45	41	31	36	36	81	106	292	101	80	48
23	74	50	44	27	36	35	78	126	285	107	81	48
24	73	48	42	28	36	36	120	157	281	114	83	51
25	72	46	37	31	37	33	169	194	274	105	79	51
26	69	47	32	30	36	32	176	233	302	115	83	53
27	72	49	33	31	36	32	137	263	330	133	78	51
28	68	47	33	29	36	33	100	298	330	130	78	44
29	60	44	25	31	---	36	106	319	272	110	72	42
30	68	43	23	31	---	38	119	362	242	102	81	46
31	71	---	20	32	---	44	---	406	---	95	78	---
TOTAL	2892	1592	1211	854	969	1177	1967	4660	9866	4126	3080	1679
MEAN	93.3	53.1	39.1	27.5	34.6	38.0	65.6	150	329	133	99.4	56.0
AC-FT	5740	3160	2400	1690	1920	2330	3900	9240	19570	8180	6110	3330
MAX	160	68	47	32	46	50	176	406	432	216	154	83
MIN	60	43	20	21	27	31	29	66	242	95	72	42

CAL YR 1982 TOTAL 26636 MEAN 73.0 MAX 220 MIN 12 AC-FT 52830  
WTR YR 1983 TOTAL 34073 MEAN 93.4 MAX 432 MIN 20 AC-FT 67580

MAX DISCH 456 CFS AT 0530 01-JUN-1983 GH 3.88 FT. SHIFT 0.19 FT. MAX GH 3.88 FT. AT 0530 01-JUN-1983



## RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO (1984)

**LOCATION.**--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

**DRAINAGE AREA.**--595 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder. 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.

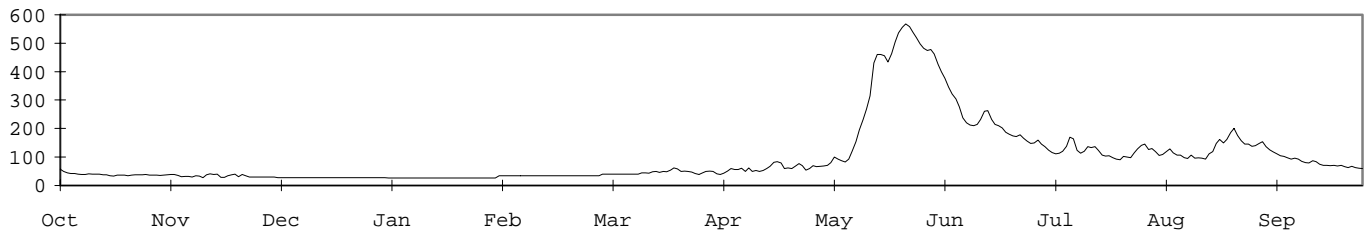
**RATING TABLE.**--SAGSAGC014 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	39	28	26	34	40	50	67	478	160	127	147
2	49	38	28	26	34	40	41	68	462	145	130	154
3	44	35	28	26	34	40	38	71	426	136	119	137
4	42	31	28	26	34	40	43	80	400	124	106	126
5	42	32	28	26	34	40	51	100	376	116	109	118
6	40	32	28	26	34	40	59	93	346	111	119	111
7	38	30	28	26	34	40	56	87	321	113	129	105
8	39	34	28	26	34	40	56	83	304	120	114	102
9	41	33	28	26	34	40	61	93	276	138	107	97
10	40	27	28	26	34	40	49	120	238	170	107	93
11	40	37	28	26	34	40	62	154	220	164	98	96
12	40	41	28	26	34	44	49	195	213	123	95	92
13	37	39	28	26	34	44	53	232	210	113	107	85
14	37	40	28	26	34	43	50	269	215	120	96	80
15	34	29	28	26	34	48	53	315	232	136	97	79
16	33	29	28	26	34	50	59	430	261	133	96	87
17	36	34	28	26	34	46	67	460	263	137	93	84
18	36	37	28	26	34	50	81	460	232	123	111	75
19	36	40	28	26	34	48	84	456	215	107	119	71
20	34	31	28	26	34	54	79	434	210	104	148	71
21	36	39	28	26	34	62	60	464	203	105	162	69
22	37	34	28	26	34	58	62	504	187	98	150	71
23	37	30	28	26	34	50	59	536	181	93	162	68
24	37	30	28	26	34	51	67	556	174	90	186	71
25	38	30	28	26	34	50	77	568	172	102	200	66
26	36	30	28	26	34	47	69	558	178	100	176	63
27	36	30	28	26	34	42	54	538	166	98	157	67
28	36	30	28	26	34	38	59	520	156	114	145	63
29	35	30	28	26	34	44	69	498	147	129	145	61
30	36	30	28	26	---	49	66	482	150	141	138	60
31	37	---	28	26	---	51	---	474	---	145	140	---
TOTAL	1196	1001	868	806	986	1409	1783	9965	7612	3808	3988	2669
MEAN	38.6	33.4	28.0	26.0	34.0	45.5	59.4	321	254	123	129	89.0
AC-FT	2370	1990	1720	1600	1960	2790	3540	19770	15100	7550	7910	5290
MAX	57	41	28	26	34	62	84	568	478	170	200	154
MIN	33	27	28	26	34	38	38	67	147	90	93	60

CAL YR 1983 TOTAL 31443 MEAN 86.1 MAX 432 MIN 21 AC-FT 62370  
WTR YR 1984 TOTAL 36091 MEAN 98.6 MAX 568 MIN 26 AC-FT 71590

MAX DISCH 582 CFS AT 2300 25-MAY-1984 GH 4.44 FT. SHIFT 0.27 FT. MAX GH 4.44 FT. AT 2300 25-MAY-1984



RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO (1985)

LOCATION.--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

DRAINAGE AREA.--595 mi<sup>2</sup>.

GAGE.--Water-stage recorder. Datum of gage is approximately 8,030 ft. (from topographic map).

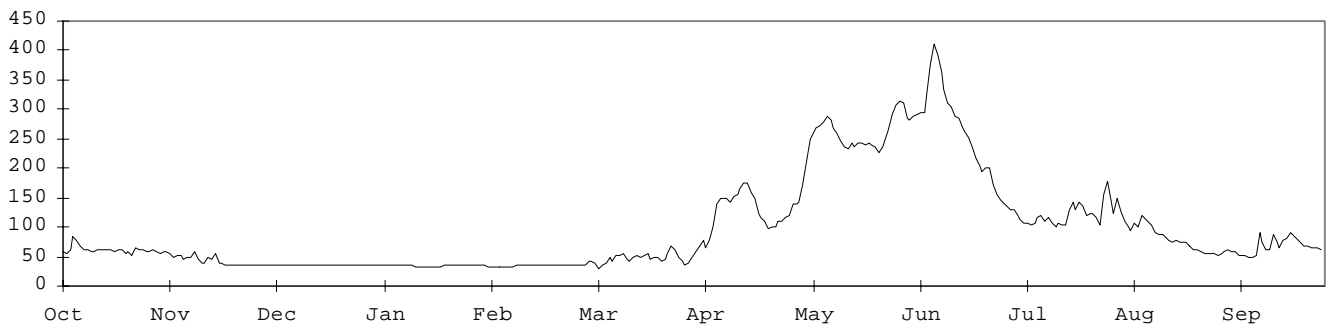
REMARKS.--Natural flow affected by Tarbell Ditch Transmountain Diversion and irrigation diversions above the station.

RATING TABLE.--SAGSAGCO14 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	56	36	35	32	36	50	140	310	136	122	56
2	56	50	36	35	32	41	59	144	285	131	148	59
3	63	51	36	35	32	42	67	170	281	131	127	60
4	84	52	36	35	32	38	78	211	289	119	110	59
5	78	46	36	35	32	30	65	249	291	113	100	59
6	69	50	36	35	32	37	77	263	294	107	95	53
7	62	49	36	35	32	39	101	269	296	106	107	51
8	60	58	36	35	32	47	138	272	325	105	101	52
9	59	45	36	35	36	43	150	278	376	106	120	50
10	58	38	36	35	36	51	148	287	410	115	114	48
11	60	40	36	33	36	52	150	283	392	119	107	51
12	60	47	36	33	36	56	144	269	362	110	102	92
13	60	46	36	33	36	45	152	260	334	116	92	73
14	61	54	36	33	36	43	154	245	312	107	89	60
15	63	38	36	33	36	47	166	235	304	101	86	63
16	58	38	36	33	36	53	176	233	287	107	81	87
17	63	37	34	33	36	47	174	244	285	102	77	73
18	63	37	34	33	36	51	160	235	269	104	75	65
19	56	37	34	35	36	56	150	242	263	129	77	79
20	57	37	34	35	36	45	122	242	254	143	75	81
21	52	37	34	35	36	48	118	240	237	129	75	90
22	66	37	34	35	36	49	111	242	218	144	73	83
23	60	37	34	35	36	41	97	240	203	137	68	81
24	61	37	34	35	35	46	101	235	195	119	63	75
25	59	37	34	35	35	56	101	227	200	124	61	69
26	59	37	34	35	35	67	109	235	202	124	58	67
27	61	35	34	35	35	60	109	256	172	115	56	65
28	57	35	34	35	35	50	118	267	156	102	56	65
29	56	35	34	35	---	43	120	291	145	156	56	65
30	57	35	34	35	---	36	138	306	143	178	56	63
31	58	---	34	35	---	40	---	313	---	141	53	---
TOTAL	1895	1268	1086	1069	971	1435	3603	7623	8090	3776	2680	1994
MEAN	61.1	42.3	35.0	34.5	34.7	46.3	120	246	270	122	86.5	66.5
AC-FT	3760	2520	2150	2120	1930	2850	7150	15120	16050	7490	5320	3960
MAX	84	58	36	35	36	67	176	313	410	178	148	92
MIN	52	35	34	33	32	30	50	140	143	101	53	48
CAL YR 1984 TOTAL		37275	MEAN	102	MAX	568	MIN	26	AC-FT	73930		
WTR YR 1985 TOTAL		35490	MEAN	97.2	MAX	410	MIN	30	AC-FT	70390		

MAX DISCH 426 CFS AT 1400 10-JUN-1985 GH 3.62 FT. SHIFT 0.31 FT. MAX GH 3.62 FT. AT 1400 10-JUN-1985



## RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO (1986)

**LOCATION.**--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

**DRAINAGE AREA.**--595 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder. 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.

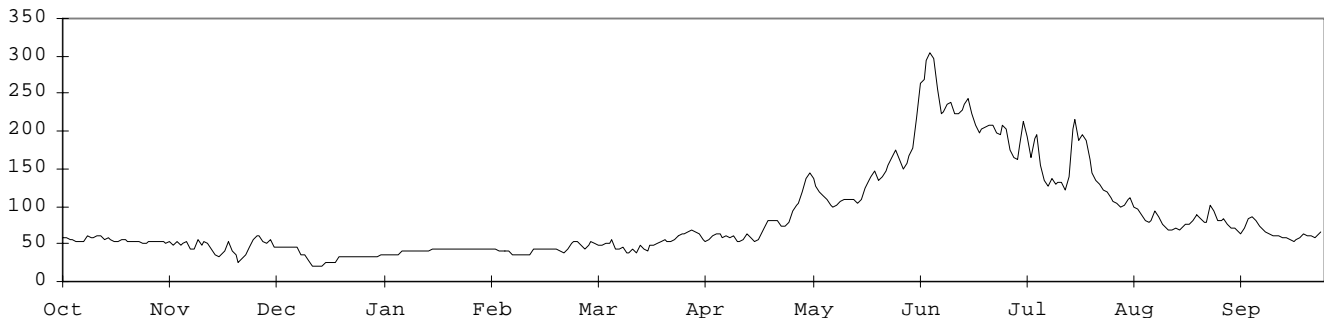
**RATING TABLE.**--SAGSAGC015 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	52	46	36	42	44	69	101	149	203	107	81
2	58	48	46	36	42	48	67	105	157	174	105	83
3	56	52	46	36	42	52	64	120	167	165	100	77
4	56	48	46	36	40	50	56	136	178	163	101	72
5	54	50	46	36	40	48	52	144	218	179	110	71
6	52	52	46	36	40	48	56	138	263	214	111	67
7	54	42	46	40	40	50	61	127	270	193	98	64
8	60	44	46	40	36	50	64	119	295	165	97	72
9	58	56	36	40	36	56	63	115	305	191	88	83
10	58	48	36	40	36	42	58	109	298	195	81	87
11	60	52	28	40	36	42	60	101	256	155	79	82
12	62	50	20	40	36	46	58	100	222	135	82	73
13	56	44	20	40	36	39	60	102	226	127	93	70
14	58	35	20	40	42	37	52	106	237	138	87	67
15	56	32	20	40	42	42	52	110	239	129	76	64
16	52	36	26	42	42	38	56	110	222	133	71	62
17	54	40	26	42	42	48	64	110	224	133	69	62
18	56	52	26	42	42	44	58	110	228	122	69	60
19	56	40	26	42	42	40	54	103	237	139	71	58
20	52	35	32	42	42	48	56	110	244	203	68	58
21	52	25	32	42	42	48	61	125	224	216	74	56
22	52	30	32	42	40	50	72	135	207	187	76	54
23	52	35	32	42	38	52	80	139	199	195	76	56
24	50	45	32	42	42	56	81	147	203	187	82	58
25	50	55	32	42	50	52	81	135	205	163	89	64
26	52	60	32	42	52	52	81	139	209	144	83	61
27	52	60	32	42	52	56	74	147	209	135	79	61
28	52	52	32	42	48	60	73	154	199	130	78	58
29	52	50	32	42	---	63	79	165	195	122	102	61
30	52	56	32	42	---	64	93	176	207	118	94	65
31	50	---	32	42	---	65	---	163	---	111	82	---
TOTAL	1692	1376	1036	1248	1160	1530	1955	3901	6692	4964	2678	2007
MEAN	54.6	45.9	33.4	40.3	41.4	49.4	65.2	126	223	160	86.4	66.9
AC-FT	3360	2730	2050	2480	2300	3030	3880	7740	13270	9850	5310	3980
MAX	62	60	46	42	52	65	93	176	305	216	111	87
MIN	50	25	20	36	36	37	52	100	149	111	68	54

CAL YR 1985 TOTAL 35345 MEAN 96.8 MAX 410 MIN 20 AC-FT 70110  
WTR YR 1986 TOTAL 30239 MEAN 82.8 MAX 305 MIN 20 AC-FT 59980

MAX DISCH 317 CFS AT 1100 09-JUN-1986 GH 2.99 FT. SHIFT 0.00 FT. MAX GH 2.99 FT. AT 1100 09-JUN-1986



RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO (1987)

LOCATION.--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

DRAINAGE AREA.--595 mi<sup>2</sup>.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is approximately 8,030 ft. (from topographic map).

REMARKS.--Natural flow affected by Tarbell Ditch Transmountain Diversion and irrigation diversions above the station.

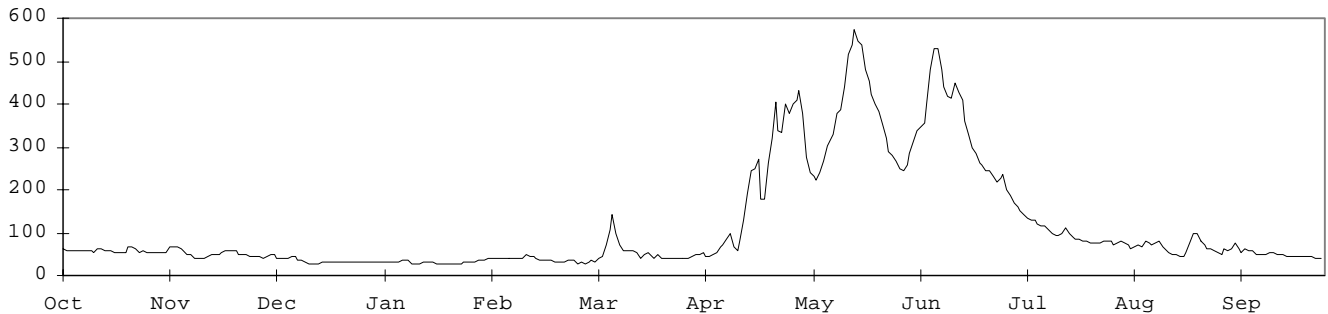
RATING TABLE.--SAGSAGCO15 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	65	48	29	38	28	44	410	245	202	73	50
2	58	68	42	29	38	30	48	431	259	187	77	61
3	58	65	38	32	38	34	48	377	285	170	79	58
4	60	61	38	32	38	33	52	275	311	160	77	62
5	57	56	38	32	38	38	46	240	337	150	70	74
6	57	50	44	32	38	45	45	233	346	142	63	61
7	57	50	44	34	42	69	48	223	357	135	66	55
8	56	42	34	34	42	105	53	242	398	131	72	61
9	56	40	34	34	42	141	66	268	479	127	66	60
10	55	41	31	28	42	100	71	302	527	120	80	56
11	62	42	28	28	42	69	84	319	531	117	76	51
12	61	44	28	28	48	56	100	328	481	114	73	51
13	57	47	28	32	44	58	67	378	440	106	74	50
14	57	49	28	32	46	59	60	386	416	97	80	50
15	57	50	32	32	39	56	81	439	412	94	66	54
16	55	55	32	32	37	54	129	517	448	95	58	53
17	54	58	32	28	35	40	192	538	428	98	54	50
18	54	56	32	28	37	50	246	575	409	109	50	50
19	52	60	32	28	34	53	251	547	359	96	48	48
20	66	56	32	28	31	49	269	537	328	89	46	46
21	68	48	32	26	30	39	179	479	299	85	46	46
22	61	48	32	26	30	48	178	452	286	85	54	45
23	55	51	31	26	33	41	264	421	264	82	77	44
24	56	43	31	26	34	39	322	399	256	78	98	44
25	55	45	31	30	36	40	403	383	244	77	97	44
26	53	45	31	30	36	41	338	351	244	77	81	44
27	53	43	30	30	28	40	335	321	231	74	69	43
28	53	41	30	30	30	39	400	291	220	77	64	42
29	54	45	30	34	---	40	379	280	226	80	61	42
30	54	50	30	34	---	38	402	268	236	78	56	39
31	55	---	30	34	---	42	---	250	---	78	54	---
TOTAL	1767	1514	1033	938	1046	1614	5200	11460	10302	3410	2105	1534
MEAN	57.0	50.5	33.3	30.3	37.4	52.1	173	370	343	110	67.9	51.1
AC-FT	3500	3000	2050	1860	2070	3200	10310	22730	20430	6760	4180	3040
MAX	68	68	48	34	48	141	403	575	531	202	98	74
MIN	52	40	28	26	28	28	44	223	220	74	46	39

CAL YR 1986 TOTAL 30449 MEAN 83.4 MAX 305 MIN 28 AC-FT 60400  
WTR YR 1987 TOTAL 41923 MEAN 115 MAX 575 MIN 26 AC-FT 83150

MAX DISCH 593 CFS AT 0530 18-MAY-1987 GH 3.99 FT. SHIFT -0.11 FT. MAX GH 3.99 FT. AT 0530 18-MAY-1987



## RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO (1988)

**LOCATION.**--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

**DRAINAGE AREA.**--595 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is approximately 8,030 ft. (from topographic map).

**REMARKS.**--Natural flow affected by Tarbell Ditch Transmountain Diversion and irrigation diversions above the station.

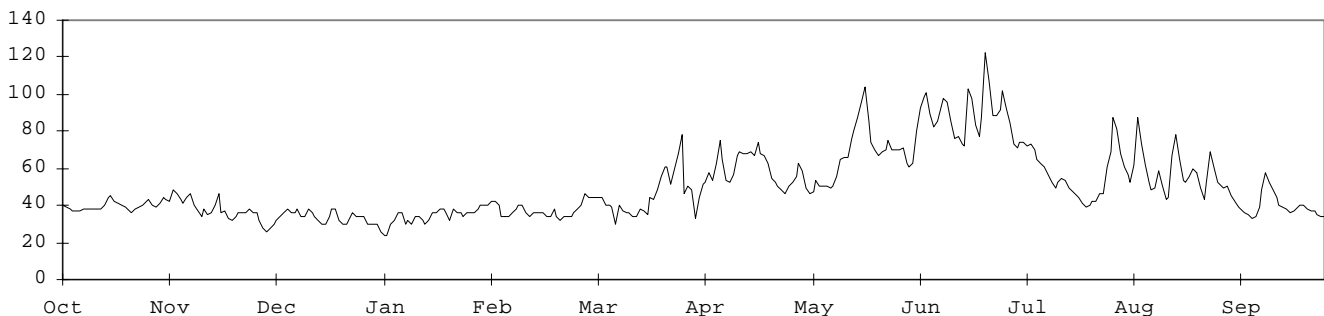
**RATING TABLE.**--SAGSAGCO15 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	42	30	26	40	44	33	63	63	84	81	49
2	39	48	32	24	42	44	44	59	61	73	68	50
3	38	46	34	24	42	44	51	49	63	71	61	45
4	37	43	36	30	40	44	53	46	80	74	57	42
5	37	41	38	32	34	44	58	47	93	74	53	39
6	37	44	36	36	34	40	54	54	99	72	62	38
7	38	46	36	36	34	40	63	50	101	73	88	36
8	38	40	38	30	36	39	75	50	90	70	73	35
9	38	37	34	32	38	30	65	50	82	65	62	33
10	38	34	34	30	40	40	54	49	85	63	53	34
11	38	38	38	34	40	37	52	50	94	61	48	39
12	38	35	36	34	36	36	57	56	98	57	49	48
13	40	36	34	32	34	36	67	65	96	52	59	58
14	44	40	32	30	36	34	69	66	85	49	50	52
15	45	46	30	32	36	34	68	66	76	52	43	48
16	42	36	30	36	36	38	68	76	77	55	44	44
17	41	37	34	36	36	37	69	80	73	54	67	40
18	40	33	38	38	34	35	67	88	72	49	78	39
19	39	32	38	38	34	44	74	96	103	47	65	38
20	38	34	32	36	38	43	68	104	98	46	54	36
21	36	36	30	32	34	48	67	85	83	44	53	37
22	38	36	30	38	32	56	63	74	77	41	56	38
23	39	36	34	36	34	61	55	70	88	39	60	40
24	40	38	36	36	34	61	53	67	122	40	58	40
25	42	36	34	34	34	51	50	69	107	42	49	38
26	43	36	34	36	36	60	48	70	89	42	43	37
27	40	32	34	36	38	68	46	75	89	46	53	37
28	39	28	30	36	40	78	50	70	92	46	69	35
29	41	26	30	38	46	46	52	70	102	61	61	34
30	44	28	30	40	---	50	56	70	93	69	52	34
31	43	---	30	40	---	48	---	71	---	88	50	---
TOTAL	1230	1120	1042	1048	1068	1410	1749	2055	2631	1799	1819	1213
MEAN	39.7	37.3	33.6	33.8	36.8	45.5	58.3	66.3	87.7	58.0	58.7	40.4
AC-FT	2440	2220	2070	2080	2120	2800	3470	4080	5220	3570	3610	2410
MAX	45	48	38	40	46	78	75	104	122	88	88	58
MIN	36	26	30	24	32	30	33	46	61	39	43	33

CAL YR 1987 TOTAL 41001 MEAN 112 MAX 575 MIN 26 AC-FT 81330  
WTR YR 1988 TOTAL 18184 MEAN 49.7 MAX 122 MIN 24 AC-FT 36070

MAX DISCH 132 CFS AT 0700 24-JUN-1988 GH 2.15 FT. SHIFT -0.06 FT. MAX GH 2.62 FT. AT 2045 20-JAN-1988



RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO (1989)

**LOCATION.**--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

**DRAINAGE AREA.**--595 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is approximately 8,030 ft. (from topographic map).

**REMARKS.**--Natural flow affected by Tarbell Ditch Transmountain Diversion and irrigation diversions above the station.

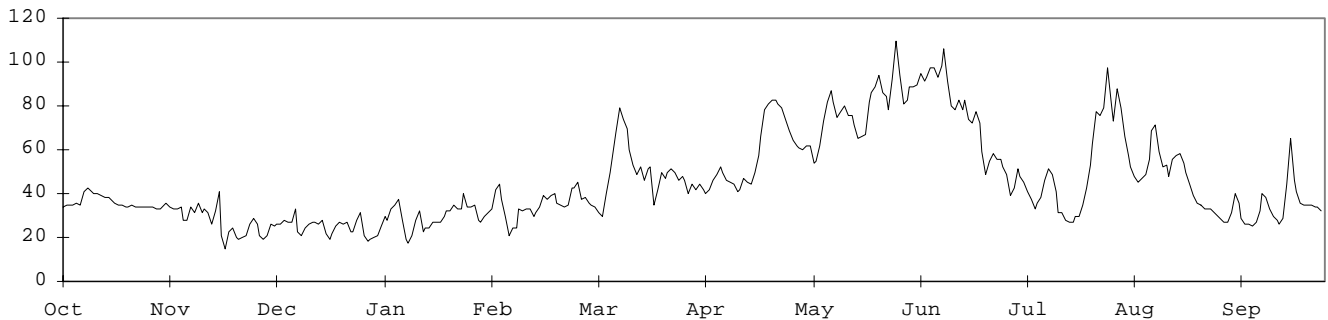
**RATING TABLE.**--SAGSAGCO15 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	34	25	25	31	38	44	62	81	49	73	28
2	35	33	26	30	33	36	42	61	83	39	88	27
3	35	33	26	28	42	35	44	60	89	43	79	27
4	35	34	28	33	44	34	42	62	89	51	66	31
5	36	28	27	35	37	31	40	62	90	48	57	40
6	35	28	27	37	30	30	42	54	95	45	52	36
7	41	34	33	28	21	40	46	55	91	41	48	29
8	43	31	23	19	24	50	49	62	93	37	45	26
9	41	36	21	17	24	56	52	73	97	33	47	26
10	40	31	24	21	33	68	50	82	97	36	49	25
11	40	33	26	28	32	79	46	87	93	38	56	27
12	39	31	27	32	33	74	45	82	98	46	69	32
13	38	26	27	23	33	70	44	75	106	51	71	40
14	38	32	26	24	30	60	41	77	91	49	59	38
15	37	41	28	24	31	53	42	80	80	41	52	33
16	36	21	22	27	34	49	47	76	78	31	53	30
17	35	15	19	27	39	52	45	76	83	31	48	28
18	35	23	22	27	37	46	44	71	78	28	56	26
19	34	24	25	30	39	51	50	65	83	27	57	29
20	34	20	27	32	40	52	57	66	74	27	58	44
21	35	19	26	32	36	35	66	67	72	30	54	65
22	34	20	27	35	35	42	78	82	77	30	50	46
23	34	21	23	33	34	50	81	86	72	35	44	41
24	34	26	23	33	35	47	83	89	59	43	39	36
25	34	29	28	40	43	50	83	94	49	53	36	35
26	34	26	31	34	43	51	81	86	55	63	35	35
27	34	21	21	34	45	50	79	84	58	77	33	35
28	33	19	18	35	37	46	74	78	56	76	33	34
29	33	21	19	28	---	48	69	92	56	79	33	34
30	35	26	20	27	---	46	64	110	52	97	31	32
31	36	---	21	30	---	40	---	94	---	81	30	---
TOTAL	1117	816	766	908	975	1509	1670	2350	2375	1455	1601	1015
MEAN	36.0	27.2	24.7	29.3	34.8	48.7	55.7	75.8	79.2	46.9	51.6	33.8
AC-FT	2220	1620	1520	1800	1930	2990	3310	4660	4710	2890	3180	2010
MAX	43	41	33	40	45	79	83	110	106	97	88	65
MIN	33	15	18	17	21	30	40	54	49	27	30	25

CAL YR 1988 TOTAL 17491 MEAN 47.8 MAX 122 MIN 15 AC-FT 34690  
WTR YR 1989 TOTAL 16557 MEAN 45.4 MAX 110 MIN 15 AC-FT 32840

MAX DISCH 129 CFS AT 2300 29-MAY-1989 GH 2.13 FT. SHIFT -0.06 FT. MAX GH 2.79 FT. AT 1530 04-FEB-1989



## RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO (1990)

**LOCATION.**--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

**DRAINAGE AREA.**--595 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is approximately 8,030 ft. (from topographic map).

**REMARKS.**--Natural flow affected by Tarbell Ditch Transmountain Diversion and irrigation diversions above the station.

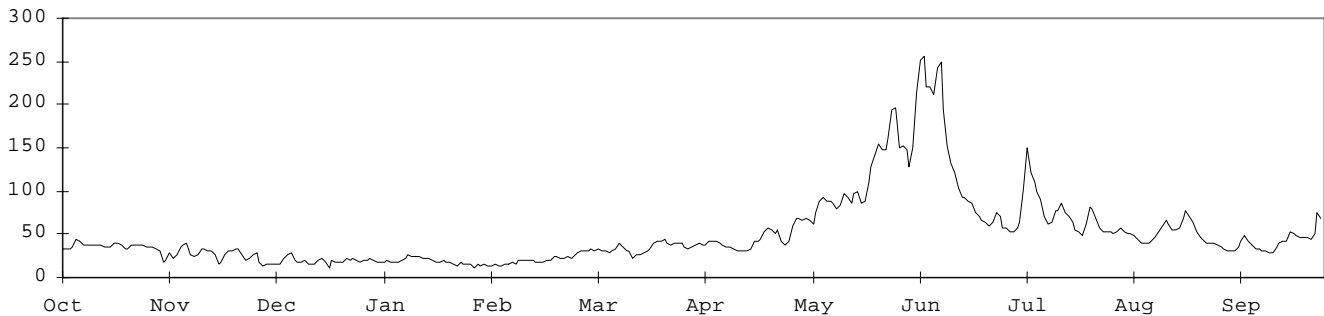
**RATING TABLE.**--SAGSAGCO15 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	29	16	17	14	31	35	68	152	58	50	35
2	32	23	15	18	14	31	38	68	147	54	54	33
3	32	26	16	20	15	33	40	66	128	54	58	31
4	35	36	23	17	14	30	38	69	151	58	54	30
5	44	37	27	18	14	32	37	66	215	63	50	30
6	41	39	28	17	15	31	41	62	251	102	50	36
7	38	27	19	20	15	30	41	74	256	150	49	42
8	38	25	18	23	17	28	42	88	220	122	44	48
9	38	26	17	27	16	30	40	92	220	111	40	41
10	37	33	20	24	20	33	38	88	211	100	40	37
11	38	33	15	25	20	39	36	89	242	91	40	34
12	37	30	16	24	19	36	36	85	249	70	42	32
13	36	31	15	22	19	30	33	79	194	62	46	31
14	35	26	19	22	20	30	31	83	152	63	52	31
15	35	16	21	22	17	23	30	98	132	78	60	28
16	39	18	18	19	18	27	30	92	121	77	67	29
17	40	27	12	18	18	26	31	87	104	85	62	35
18	37	31	19	18	20	28	33	96	93	76	55	40
19	34	31	17	19	20	30	43	100	92	70	56	42
20	34	34	18	17	24	33	42	87	89	64	58	42
21	37	34	18	17	24	40	44	88	85	56	68	52
22	38	27	22	16	23	41	53	111	76	52	77	50
23	37	20	20	14	23	43	58	127	71	48	71	48
24	37	22	21	17	24	44	56	142	66	61	63	46
25	36	27	19	16	23	39	50	154	63	81	52	46
26	36	28	18	15	24	38	56	147	60	80	46	46
27	36	18	19	16	29	39	41	147	63	68	42	44
28	33	14	19	12	30	39	38	160	76	58	40	50
29	30	15	22	15	---	40	43	194	71	54	40	74
30	17	16	20	13	---	36	60	197	58	54	40	68
31	19	---	18	15	---	34	---	151	---	52	38	---
TOTAL	1089	799	585	573	549	1044	1234	3255	4108	2272	1604	1231
MEAN	35.1	26.6	18.9	18.5	19.6	33.7	41.1	105	137	73.3	51.7	41.0
AC-FT	2160	1580	1160	1140	1090	2070	2450	6460	8150	4510	3180	2440
MAX	44	39	28	27	30	44	60	197	256	150	77	74
MIN	17	14	12	12	14	23	30	62	58	48	38	28

CAL YR 1989 TOTAL 16331 MEAN 44.7 MAX 110 MIN 12 AC-FT 32390  
WTR YR 1990 TOTAL 18343 MEAN 50.3 MAX 256 MIN 12 AC-FT 36380

MAX DISCH 292 CFS AT 0730 07-JUN-1990 GH 3.03 FT. SHIFT -0.14 FT. MAX GH 3.03 FT. AT 0730 07-JUN-1990



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO (1982)

LOCATION.--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

DRAINAGE AREA.--10.7 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

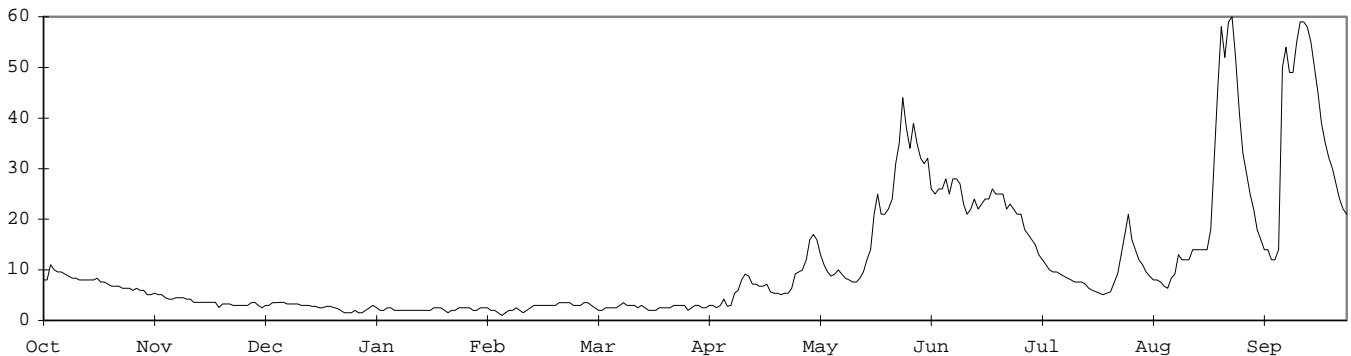
RATING TABLE.--NOCRESCO08 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	5.4	2.5	3.0	2.5	3.5	3.0	10	39	21	16	33
2	8.0	5.1	3.0	2.5	2.5	3.5	3.0	12	35	18	14	29
3	11	5.1	3.0	2.0	2.0	3.0	2.5	16	32	17	12	25
4	10	4.5	3.5	2.0	2.0	2.5	2.5	17	31	16	11	22
5	9.6	4.2	3.5	2.5	1.5	2.0	3.0	16	32	15	9.6	18
6	9.6	4.2	3.6	2.5	1.0	2.0	3.0	13	26	13	8.8	16
7	9.2	4.5	3.6	2.0	1.5	2.5	2.5	11	25	12	8.0	14
8	8.8	4.5	3.3	2.0	2.0	2.5	3.0	9.6	26	11	8.0	14
9	8.4	4.5	3.3	2.0	2.0	2.5	4.2	8.8	26	10	7.6	12
10	8.4	4.2	3.3	2.0	2.5	2.5	2.8	9.2	28	9.6	6.8	12
11	8.0	4.2	3.3	2.0	2.0	3.0	3.0	10	25	9.6	6.4	14
12	8.0	3.6	3.0	2.0	1.5	3.5	5.4	9.2	28	9.2	8.4	50
13	8.0	3.6	3.0	2.0	2.0	3.0	6.0	8.4	28	8.8	9.2	54
14	8.0	3.6	3.0	2.0	2.5	3.0	8.0	8.0	27	8.4	13	49
15	8.0	3.6	2.8	2.0	3.0	3.0	9.2	7.6	23	8.0	12	49
16	8.4	3.6	2.8	2.0	3.0	2.5	8.8	7.6	21	7.6	12	55
17	7.6	3.6	2.5	2.0	3.0	3.0	7.2	8.4	22	7.6	12	59
18	7.6	3.6	2.5	2.5	3.0	2.5	7.2	9.6	24	7.6	14	59
19	7.2	2.6	2.8	2.5	3.0	2.0	6.8	12	22	7.2	14	58
20	6.8	3.3	2.8	2.5	3.0	2.0	6.8	14	23	6.4	14	55
21	6.8	3.3	2.6	2.0	3.0	2.0	7.2	21	24	6.0	14	50
22	6.8	3.3	2.4	1.5	3.5	2.5	5.7	25	24	5.7	14	45
23	6.4	3.0	2.0	2.0	3.5	2.5	5.4	21	26	5.4	18	39
24	6.4	3.0	1.5	2.0	3.5	2.5	5.4	21	25	5.1	32	35
25	6.4	3.0	1.5	2.5	3.5	2.5	5.1	22	25	5.4	46	32
26	6.0	3.0	1.5	2.5	3.0	3.0	5.4	24	25	5.7	58	30
27	6.4	3.0	2.0	2.5	3.0	3.0	5.4	31	22	7.5	52	27
28	6.0	3.5	1.5	2.5	3.0	3.0	6.4	35	23	9.2	59	24
29	6.0	3.6	1.5	2.0	---	3.0	9.2	44	22	13	60	22
30	5.1	3.0	2.0	2.0	---	2.0	9.6	38	21	17	52	21
31	5.1	---	2.5	2.5	---	2.5	---	34	---	21	41	---
TOTAL	236.0	113.2	82.1	68.0	71.5	82.5	162.7	533.4	780	324.0	662.8	1022
MEAN	7.61	3.77	2.65	2.19	2.55	2.66	5.42	17.2	26.0	10.5	21.4	34.1
AC-FT	468	225	163	135	142	164	323	1060	1550	643	1310	2030
MAX	11	5.4	3.6	3.0	3.5	3.5	9.6	44	39	21	60	59
MIN	5.1	2.6	1.5	1.5	1.0	2.0	2.5	7.6	21	5.1	6.4	12

CAL YR 1981 TOTAL 3339.8 MEAN 9.15 MAX 47 MIN 1.0 AC-FT 6620  
WTR YR 1982 TOTAL 4138.2 MEAN 11.3 MAX 60 MIN 1.0 AC-FT 8210

MAX DISCH 65 CFS AT 2300 28-AUG-1982 GH 2.09 FT. SHIFT +0.15 FT. MAX GH 2.09 FT. AT 2300 28-AUG-1982



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO (1983)

**LOCATION.**--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

**DRAINAGE AREA.**--10.7 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

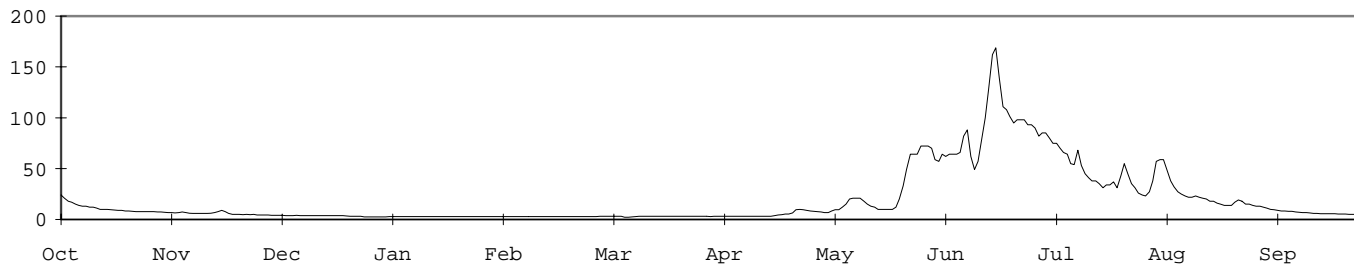
**RATING TABLE.**--NOCRES009 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	6.7	4.0	2.8	2.8	3.0	2.8	7.7	72	90	23	13
2	21	6.4	4.0	2.8	2.8	3.0	3.0	7.4	70	82	27	13
3	18	6.7	3.8	2.8	2.8	3.0	3.0	6.7	59	85	38	12
4	17	7.4	3.8	2.8	2.8	3.0	3.0	6.7	57	85	57	11
5	15	6.7	3.8	2.8	2.8	3.0	3.0	8.4	64	80	59	10
6	14	6.2	4.0	2.8	2.8	3.0	3.0	9.4	62	75	59	9.4
7	13	5.9	3.8	2.8	2.8	3.0	3.0	9.4	64	75	48	8.8
8	13	5.9	3.8	2.8	2.8	2.2	3.0	12	64	70	38	8.4
9	12	5.9	3.8	2.8	2.8	2.2	3.0	15	64	66	32	8.4
10	12	5.9	3.8	2.8	2.8	2.4	3.0	20	66	64	27	8.0
11	11	5.9	3.8	2.8	2.8	2.8	3.0	21	82	55	25	8.0
12	10	6.2	3.8	2.8	2.8	3.0	3.0	21	88	54	23	7.4
13	10	6.7	3.8	2.8	2.8	3.0	3.0	21	62	68	22	7.0
14	9.8	7.7	3.8	2.8	2.8	3.0	3.0	18	49	53	22	6.7
15	9.4	8.8	3.6	2.8	2.8	3.2	3.0	15	57	45	23	6.7
16	9.1	7.7	3.6	2.8	2.8	3.2	3.0	13	77	41	22	6.4
17	8.8	5.9	3.6	2.8	2.8	3.2	3.0	12	100	38	21	5.9
18	8.8	5.0	3.6	2.8	2.8	3.2	3.0	10	128	38	20	5.9
19	8.4	5.0	3.6	2.8	2.8	3.0	3.6	10	162	35	18	5.6
20	8.4	4.8	3.4	2.8	2.8	3.0	4.2	9.8	169	31	18	5.6
21	8.0	4.6	3.2	2.8	2.8	3.0	4.6	9.8	139	34	16	5.4
22	7.7	4.8	3.2	2.8	2.8	3.0	5.2	10	111	34	15	5.4
23	7.7	4.6	3.2	2.8	2.8	3.0	5.2	12	108	37	14	5.4
24	7.7	4.8	3.2	2.8	2.8	3.0	6.4	20	101	31	14	5.2
25	7.7	4.2	2.5	2.8	2.8	3.0	9.4	33	95	43	14	5.2
26	7.7	4.4	2.5	2.8	2.8	3.0	10	49	98	55	17	5.2
27	7.7	4.2	2.5	2.8	2.8	3.0	9.4	64	98	45	19	5.0
28	7.4	4.2	2.5	2.8	2.8	3.0	8.8	64	98	35	18	4.8
29	7.4	4.0	2.5	2.8	---	3.0	8.4	64	93	31	15	5.0
30	7.0	4.0	2.5	2.8	---	3.0	8.0	72	93	26	15	9.0
31	6.7	---	2.5	2.8	---	3.0	---	72	---	24	14	---
TOTAL	335.4	171.2	105.5	86.8	78.4	91.4	137.0	723.3	2650	1625	793	222.8
MEAN	10.8	5.71	3.40	2.80	2.80	2.95	4.57	23.3	88.3	52.4	25.6	7.43
AC-FT	665	340	209	172	156	181	272	1430	5260	3220	1570	442
MAX	24	8.8	4.0	2.8	2.8	3.2	10	72	169	90	59	13
MIN	6.7	4.0	2.5	2.8	2.8	2.2	2.8	6.7	49	24	14	4.8

CAL YR 1982 TOTAL 4319.0 MEAN 11.8 MAX 60 MIN 1.0 AC-FT 8570  
WTR YR 1983 TOTAL 7019.8 MEAN 19.2 MAX 169 MIN 2.2 AC-FT 13920

MAX DISCH 309 CFS AT 2130 19-JUN-1983 GH 2.54 FT. SHIFT -0.03 FT. MAX GH 2.54 FT. AT 2130 19-JUN-1983



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO (1984)

**LOCATION.**--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

**DRAINAGE AREA.**--10.7 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

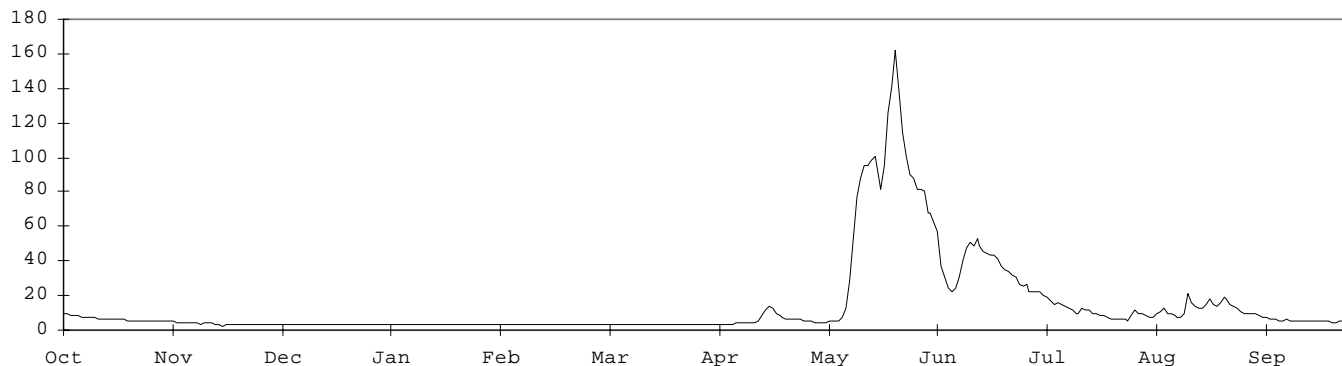
**RATING TABLE.**--NOCRESCO09 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	4.8	3.2	3.0	3.0	3.2	3.0	4.6	80	22	10	10
2	10	4.4	3.2	3.0	3.0	3.2	3.0	4.6	68	22	9.4	9.8
3	8.8	4.2	3.2	3.0	3.0	3.2	3.0	4.6	68	22	8.4	9.1
4	8.0	4.2	3.2	3.0	3.0	3.2	3.0	4.6	62	22	7.7	8.4
5	8.0	4.0	3.2	3.0	3.0	3.2	3.0	4.8	57	20	7.7	7.7
6	7.7	4.0	3.2	3.0	3.0	3.2	2.8	4.8	37	19	9.8	7.0
7	7.4	4.0	3.2	3.0	3.0	3.2	3.0	5.0	31	17	11	6.4
8	7.4	4.0	3.2	3.0	3.0	3.2	3.4	5.2	24	15	13	6.2
9	7.0	3.4	3.2	3.0	3.0	3.2	3.8	7.0	22	16	10	5.9
10	7.0	3.8	3.2	3.0	3.0	3.2	4.0	13	24	15	9.8	5.6
11	6.7	3.8	3.2	3.0	3.0	3.2	4.4	29	31	14	8.8	5.6
12	6.7	3.8	3.2	3.0	3.0	3.2	4.4	53	40	13	7.7	5.9
13	6.4	3.6	3.2	3.0	3.0	3.2	4.4	77	48	12	7.7	5.4
14	6.4	3.6	3.2	3.0	3.0	3.2	4.6	88	51	10	9.2	5.2
15	6.2	2.4	3.2	3.0	3.0	3.2	5.4	95	49	10	21	5.2
16	6.2	3.2	3.2	3.0	3.0	3.2	8.0	95	53	13	16	5.4
17	5.9	3.2	3.2	3.0	3.0	3.2	12	98	49	12	14	5.4
18	5.9	2.8	3.2	3.0	3.0	3.2	14	101	46	12	13	5.0
19	5.6	3.0	3.2	3.0	3.0	3.2	13	88	45	10	13	4.8
20	5.6	3.0	3.2	3.0	3.0	3.2	10	82	43	9.1	15	5.6
21	5.4	3.0	3.2	3.0	3.0	3.2	8.8	95	43	8.8	18	5.2
22	5.4	3.0	3.2	3.0	3.0	3.2	7.4	126	41	8.4	15	5.2
23	5.2	3.0	3.2	3.0	3.0	3.2	6.7	141	37	7.4	14	5.0
24	5.2	3.0	3.2	3.0	3.0	3.2	6.7	162	35	6.7	16	4.8
25	5.2	3.0	3.2	3.0	3.0	3.2	6.7	139	34	6.2	19	4.6
26	5.0	3.0	3.2	3.0	3.0	3.2	6.2	114	32	5.9	18	4.6
27	5.0	3.0	3.2	3.0	3.0	3.2	6.2	101	31	6.4	15	5.2
28	4.8	3.0	3.2	3.0	3.0	3.2	5.4	90	27	6.2	14	4.8
29	4.8	3.0	3.2	3.0	3.0	3.2	5.4	88	25	5.6	13	4.6
30	4.8	3.0	3.2	3.0	---	3.2	4.8	82	26	8.3	11	4.4
31	4.8	---	3.2	3.0	---	3.2	---	82	---	12	10	---
TOTAL	198.3	103.2	99.2	93.0	87.0	99.2	176.5	2084.2	1259	387.0	385.2	178.0
MEAN	6.40	3.44	3.20	3.00	3.00	3.20	5.88	67.2	42.0	12.5	12.4	5.93
AC-FT	393	205	197	184	173	197	350	4130	2500	768	764	353
MAX	10	4.8	3.2	3.0	3.0	3.2	14	162	80	22	21	10
MIN	4.8	2.4	3.2	3.0	3.0	3.2	2.8	4.6	22	5.6	7.7	4.4

CAL YR 1983 TOTAL 6808.4 MEAN 18.7 MAX 169 MIN 2.2 AC-FT 13500  
WTR YR 1984 TOTAL 5149.8 MEAN 14.1 MAX 162 MIN 2.4 AC-FT 10210

MAX DISCH 293 CFS AT 2000 24-MAY-1984 GH 2.46 FT. SHIFT 0.03 FT. MAX GH 2.46 FT. AT 2000 24-MAY-1984



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO (1985)

**LOCATION.**--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

**DRAINAGE AREA.**--10.7 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

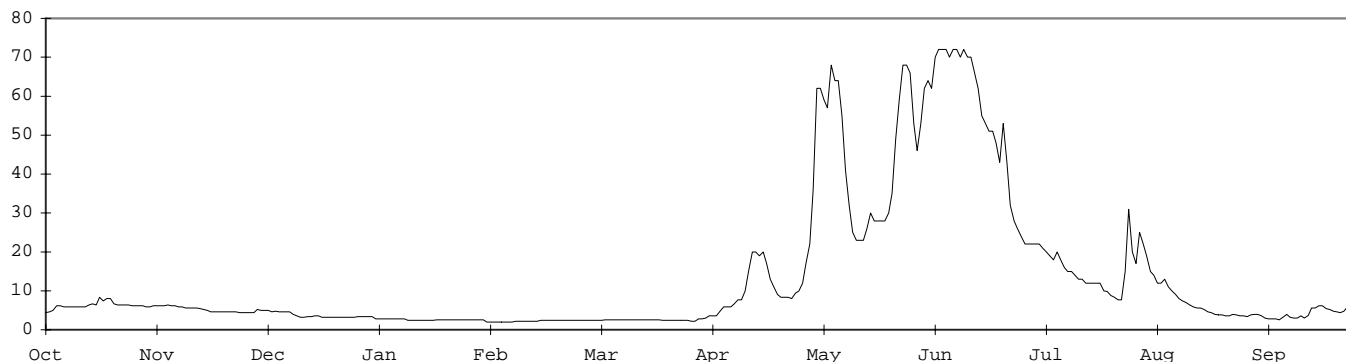
**RATING TABLE.**-- NOCRESCO09 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	6.2	5.0	2.8	2.0	2.4	2.8	17	46	22	17	3.4
2	4.6	6.2	5.0	2.8	2.0	2.4	2.8	22	53	22	25	3.8
3	5.0	6.2	4.6	2.8	2.0	2.4	3.0	36	62	22	22	4.0
4	6.2	6.4	4.8	2.8	2.0	2.4	3.6	62	64	22	19	4.0
5	6.2	6.2	4.6	2.8	2.0	2.4	3.6	62	62	22	15	3.6
6	5.9	6.2	4.6	2.8	2.0	2.6	3.6	59	70	21	14	3.0
7	5.9	5.9	4.6	2.8	2.0	2.6	4.8	57	72	20	12	2.8
8	5.9	5.9	4.6	2.8	2.0	2.6	5.9	68	72	19	12	2.8
9	5.9	5.6	4.0	2.8	2.2	2.6	5.9	64	72	18	13	2.8
10	5.9	5.6	3.6	2.4	2.2	2.6	5.9	64	70	20	11	2.6
11	5.9	5.6	3.2	2.4	2.2	2.6	6.7	55	72	18	10	3.2
12	5.9	5.6	3.2	2.4	2.2	2.6	7.7	41	72	16	9.1	4.0
13	6.4	5.4	3.4	2.4	2.2	2.6	7.7	32	70	15	8.0	3.2
14	6.7	5.2	3.4	2.4	2.2	2.6	10	25	72	15	7.4	3.0
15	6.4	5.0	3.6	2.4	2.2	2.6	15	23	70	14	7.0	3.0
16	8.4	4.6	3.6	2.4	2.4	2.6	20	23	70	13	6.4	3.6
17	7.4	4.6	3.2	2.4	2.4	2.6	20	23	66	13	5.9	3.0
18	8.0	4.6	3.2	2.6	2.4	2.6	19	26	62	12	5.6	3.7
19	8.0	4.6	3.2	2.6	2.4	2.6	20	30	55	12	5.6	5.6
20	6.7	4.6	3.2	2.6	2.4	2.6	17	28	53	12	5.2	5.6
21	6.4	4.6	3.2	2.6	2.4	2.6	13	28	51	12	4.6	6.2
22	6.4	4.6	3.2	2.6	2.4	2.4	11	28	51	12	4.4	6.2
23	6.4	4.6	3.2	2.6	2.4	2.4	9.1	28	48	10	4.0	5.4
24	6.4	4.4	3.2	2.6	2.4	2.4	8.4	30	43	9.8	3.8	5.2
25	6.2	4.4	3.2	2.6	2.4	2.4	8.4	35	53	8.8	3.8	4.8
26	6.2	4.4	3.2	2.6	2.4	2.4	8.4	49	43	8.4	3.6	4.6
27	6.2	4.4	3.4	2.6	2.4	2.4	8.0	59	32	7.7	3.6	4.4
28	6.2	4.4	3.4	2.6	2.4	2.4	9.4	68	28	7.7	4.0	4.8
29	5.9	5.2	3.4	2.6	---	2.4	10	68	26	15	3.8	5.9
30	5.9	5.0	3.4	2.6	---	2.2	12	66	24	31	3.6	5.2
31	6.2	---	3.4	2.6	---	2.2	---	53	---	20	3.6	---
TOTAL	194.1	156.2	114.8	80.8	62.6	77.2	282.7	1329	1704	490.4	273.0	123.4
MEAN	6.26	5.21	3.70	2.61	2.24	2.49	9.42	42.9	56.8	15.8	8.81	4.11
AC-FT	385	310	228	160	124	153	561	2640	3380	973	541	245
MAX	8.4	6.4	5.0	2.8	2.4	2.6	20	68	72	31	25	6.2
MIN	4.4	4.4	3.2	2.4	2.0	2.2	2.8	17	24	7.7	3.6	2.6

CAL YR 1984 TOTAL 5214.2 MEAN 14.2 MAX 162 MIN 2.8 AC-FT 10340  
WTR YR 1985 TOTAL 4888.2 MEAN 13.4 MAX 72 MIN 2.0 AC-FT 9700

MAX DISCH 85 CFS AT 1900 08-MAY-1985 GH 2.07 FT. SHIFT -0.02 FT. MAX GH 2.07 FT. AT 1900 08-MAY-1985



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO (1986)

LOCATION.--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

DRAINAGE AREA.--10.7 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

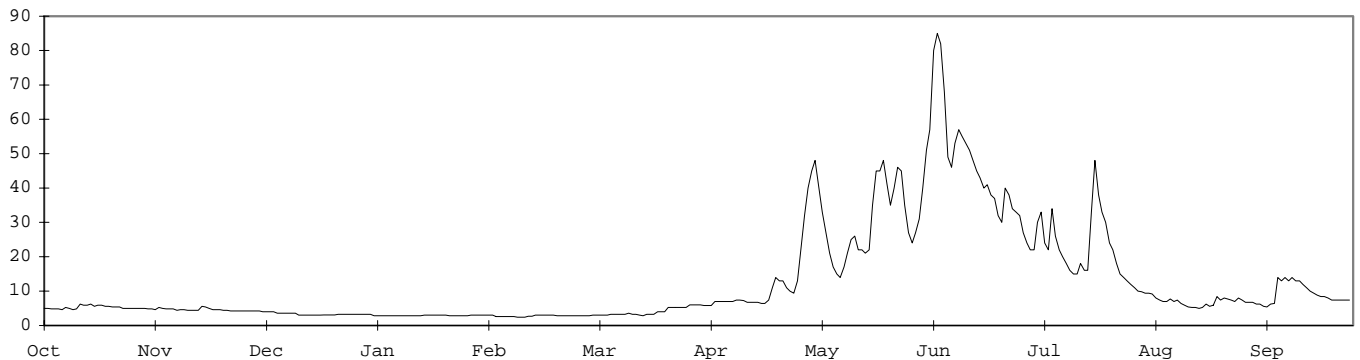
RATING TABLE.--NOCRESCO09 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	4.6	4.0	2.8	3.0	2.8	6.0	32	27	27	11	6.7
2	5.0	5.2	4.0	2.8	3.0	2.8	6.0	40	31	24	10	6.7
3	4.8	5.0	4.0	2.8	3.0	3.0	5.8	45	40	22	9.8	6.7
4	4.8	4.8	4.0	2.8	2.6	3.0	5.8	48	51	22	9.4	6.2
5	4.8	4.8	3.6	2.8	2.6	3.0	5.8	40	57	30	9.4	6.2
6	4.6	4.8	3.6	2.8	2.6	3.0	7.0	33	80	33	9.1	5.6
7	5.2	4.4	3.6	2.8	2.6	3.0	7.0	27	85	24	8.0	5.4
8	5.0	4.6	3.6	2.8	2.6	3.2	7.0	21	82	22	7.4	6.2
9	4.6	4.6	3.6	2.8	2.6	3.2	7.0	17	68	34	7.0	6.4
10	4.8	4.4	3.6	2.8	2.4	3.2	7.0	15	49	26	7.0	14
11	6.2	4.4	3.0	2.8	2.4	3.2	7.0	14	46	22	7.7	13
12	5.9	4.4	3.0	2.8	2.4	3.2	7.4	17	53	20	7.0	14
13	5.9	4.4	3.0	2.8	2.7	3.6	7.4	21	57	18	7.4	13
14	6.2	5.6	3.0	2.8	2.7	3.2	7.2	25	55	16	6.4	14
15	5.6	5.4	3.0	3.0	3.0	3.2	6.7	26	53	15	5.9	13
16	5.9	5.0	3.0	3.0	3.0	3.0	6.7	22	51	15	5.4	13
17	5.9	4.6	3.0	3.0	3.0	2.8	6.7	22	48	18	5.2	12
18	5.6	4.6	3.1	3.0	3.0	3.2	6.7	21	45	16	5.2	11
19	5.6	4.6	3.1	3.0	3.0	3.2	6.4	22	43	16	5.0	10
20	5.4	4.4	3.1	3.0	3.0	3.2	6.4	35	40	33	5.2	9.4
21	5.4	4.4	3.1	3.0	2.8	4.0	7.4	45	41	48	6.2	8.8
22	5.4	4.2	3.2	2.8	2.8	4.0	11	45	38	38	5.6	8.4
23	5.0	4.2	3.2	2.8	2.8	4.0	14	48	37	33	5.9	8.4
24	5.0	4.2	3.2	2.8	2.8	5.2	13	41	32	30	8.4	8.0
25	5.0	4.2	3.2	2.8	2.8	5.2	13	35	30	24	7.4	7.4
26	5.0	4.2	3.2	2.8	2.8	5.2	11	40	40	22	8.0	7.4
27	5.0	4.2	3.2	2.8	2.8	5.2	10	46	38	18	7.7	7.4
28	5.0	4.2	3.2	3.0	2.8	5.2	9.4	45	34	15	7.4	7.4
29	5.0	4.2	3.2	3.0	---	5.2	13	35	33	14	7.0	7.4
30	4.8	4.2	3.2	3.0	---	6.0	22	27	32	13	8.0	7.4
31	4.8	---	3.2	3.0	---	6.0	---	24	---	12	7.4	---
TOTAL	162.2	136.8	103.0	89.0	77.6	117.2	256.8	974	1416	720	227.5	270.5
MEAN	5.23	4.56	3.32	2.87	2.77	3.78	8.56	31.4	47.2	23.2	7.34	9.02
AC-FT	322	271	204	177	154	232	509	1930	2810	1430	451	537
MAX	6.2	5.6	4.0	3.0	3.0	6.0	22	48	85	48	11	14
MIN	4.6	4.2	3.0	2.8	2.4	2.8	5.8	14	27	12	5.0	5.4

CAL YR 1985 TOTAL 4825.1 MEAN 13.2 MAX 72 MIN 2.0 AC-FT 9570  
WTR YR 1986 TOTAL 4550.6 MEAN 12.5 MAX 85 MIN 2.4 AC-FT 9030

MAX DISCH 101 CFS AT 1830 06-JUN-1986 GH 2.13 FT. SHIFT -0.02 FT. MAX GH 2.13 FT. AT 1830 06-JUN-1986



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO (1987)

**LOCATION.**--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

**DRAINAGE AREA.**--10.7 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

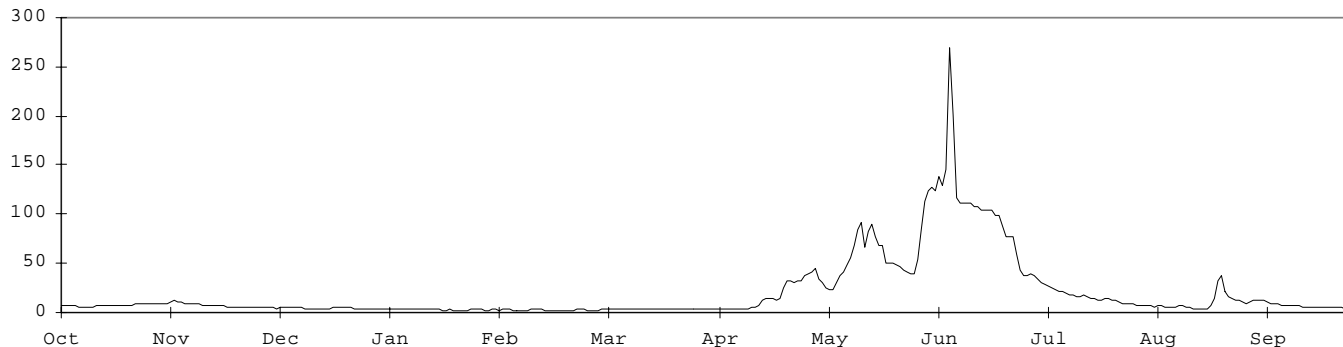
**RATING TABLE.**--NOCRESOCO9 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	10	4.4	3.8	2.8	2.6	3.4	41	85	38	8.0	9.8
2	6.7	12	4.6	4.2	2.6	2.6	3.4	45	114	40	7.4	10
3	6.7	11	4.6	4.0	2.8	2.8	3.4	35	124	38	7.4	13
4	6.7	10	4.6	4.0	3.0	2.8	3.6	30	127	34	7.0	13
5	6.4	9.4	4.6	4.4	2.8	3.0	3.4	25	124	31	6.4	13
6	6.2	9.4	4.6	4.2	2.4	3.0	3.2	24	139	28	5.9	12
7	6.2	9.1	4.6	4.2	2.4	3.2	3.2	24	130	27	6.7	10
8	6.2	8.4	4.6	4.0	2.4	3.4	3.2	30	146	25	6.4	9.8
9	6.2	8.2	4.2	3.6	2.4	3.4	3.2	37	270	23	6.2	9.1
10	6.2	8.0	3.6	3.0	2.4	3.4	3.6	41	201	22	6.2	8.4
11	7.0	7.8	3.6	3.4	2.8	3.2	3.8	48	117	22	5.6	8.0
12	7.0	8.0	4.2	3.8	2.8	3.2	4.0	55	111	19	6.2	7.4
13	7.0	8.0	4.2	3.8	2.8	3.2	4.2	68	111	18	7.4	6.7
14	7.2	7.0	4.2	4.0	2.8	3.2	4.6	85	111	18	6.4	6.7
15	7.2	6.7	4.4	4.0	2.4	3.4	5.0	91	111	16	5.4	6.4
16	7.4	6.4	4.4	3.2	2.6	3.2	7.4	66	108	16	5.0	6.4
17	7.6	6.2	4.6	2.4	2.4	3.0	12	82	108	18	4.4	6.2
18	7.6	5.9	4.6	2.4	2.4	3.0	15	90	104	17	4.2	5.9
19	7.8	6.2	4.6	2.8	2.4	3.2	15	77	104	15	3.8	5.9
20	7.8	5.6	4.6	2.2	2.4	3.2	15	68	104	14	3.6	5.4
21	8.0	5.4	4.6	2.2	2.2	3.0	13	68	104	13	3.6	5.4
22	8.2	5.4	4.6	2.2	2.4	3.8	15	51	98	13	7.6	5.4
23	8.2	5.2	4.4	2.4	2.6	3.6	25	51	98	14	15	5.2
24	8.4	5.0	4.4	2.6	2.8	3.4	33	51	88	14	33	5.2
25	8.4	5.4	4.4	2.8	3.0	3.6	32	49	77	13	37	5.2
26	8.8	5.4	4.2	3.0	3.0	4.0	31	46	77	12	21	5.0
27	9.1	5.0	4.0	2.8	2.6	4.0	33	43	77	11	16	4.8
28	9.1	5.2	4.2	3.0	2.4	3.8	33	41	59	9.8	14	4.6
29	9.4	5.2	4.0	2.6	---	3.8	37	40	43	9.1	13	4.4
30	9.4	5.4	4.2	2.6	---	3.6	40	40	38	8.8	12	4.2
31	9.4	---	4.0	2.8	---	3.4	---	53	---	8.4	10	---
TOTAL	234.5	215.9	134.8	100.4	72.8	102.0	411.6	1595	3308	605.1	301.8	222.5
MEAN	7.56	7.20	4.35	3.24	2.60	3.29	13.7	51.5	110	19.5	9.74	7.42
AC-FT	465	428	267	199	144	202	816	3160	6560	1200	599	441
MAX	9.4	12	4.6	4.4	3.0	4.0	40	91	270	40	37	13
MIN	6.2	5.0	3.6	2.2	2.2	2.6	3.2	24	38	8.4	3.6	4.2

CAL YR 1986 TOTAL 4733.8 MEAN 13.0 MAX 85 MIN 2.4 AC-FT 9390  
WTR YR 1987 TOTAL 7304.4 MEAN 20.0 MAX 270 MIN 2.2 AC-FT 14490

MAX DISCH 440 CFS AT 2130 09-JUN-1987 GH 2.53 FT. SHIFT +0.12 FT. MAX GH 2.53 FT. AT 2130 09-JUN-1987



## RIO GRANDE BASIN

## CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO (1988)

**LOCATION.**--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

**DRAINAGE AREA.**--10.7 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

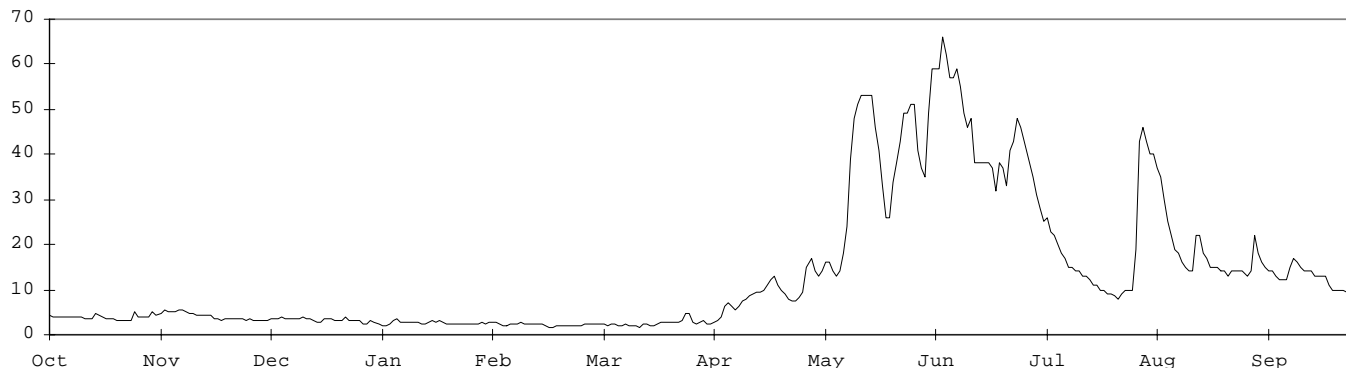
**RATING TABLE.**--NOCRESCO09 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	4.6	3.2	2.4	2.8	2.4	3.2	17	37	38	43	14
2	4.0	5.6	3.4	2.0	2.8	2.4	2.4	14	35	35	46	22
3	4.0	5.2	3.6	2.0	2.8	2.2	2.4	13	49	31	43	18
4	4.0	5.0	3.6	2.4	2.2	2.2	2.8	14	59	28	40	16
5	4.0	5.0	3.8	3.2	2.0	2.0	3.2	16	59	25	40	15
6	4.0	5.6	3.6	3.6	2.0	2.2	4.0	16	59	26	37	14
7	3.8	5.4	3.6	2.8	2.2	2.4	6.2	14	66	23	35	14
8	3.8	5.0	3.4	2.6	2.2	1.8	7.0	13	62	22	30	13
9	3.8	4.6	3.4	2.8	2.2	2.0	6.2	14	57	20	25	12
10	3.8	4.6	3.6	2.8	2.6	2.2	5.6	18	57	18	22	12
11	3.6	4.4	4.0	2.8	2.2	2.0	6.2	24	59	17	19	12
12	3.6	4.2	3.4	2.6	2.4	1.8	7.4	39	55	15	18	15
13	3.6	4.2	3.4	2.4	2.2	1.8	8.0	48	49	15	16	17
14	4.8	4.2	3.0	2.4	2.2	1.6	8.8	51	46	14	15	16
15	4.2	4.2	2.8	2.6	2.2	2.4	9.0	53	48	14	14	15
16	3.8	3.6	2.8	3.0	2.2	2.4	9.4	53	38	13	14	14
17	3.6	3.6	3.4	2.8	2.0	2.0	9.6	53	38	13	22	14
18	3.6	3.2	3.6	3.0	1.6	1.8	10	53	38	12	22	14
19	3.4	3.4	3.4	2.6	1.6	2.2	11	46	38	11	18	13
20	3.2	3.4	3.2	2.2	1.8	2.6	12	41	38	11	17	13
21	3.0	3.6	3.0	2.2	1.8	2.6	13	33	37	10	15	13
22	3.0	3.6	3.2	2.2	1.8	2.8	11	26	32	9.8	15	13
23	3.0	3.4	3.8	2.4	2.0	2.6	10	26	38	9.1	15	11
24	3.2	3.4	3.2	2.4	1.8	2.6	9.1	34	37	9.1	14	10
25	5.0	3.2	3.0	2.2	1.8	2.6	8.0	38	33	8.8	14	10
26	4.0	3.4	3.0	2.4	2.0	3.2	7.4	43	41	8.0	13	10
27	4.0	3.2	3.0	2.4	2.0	4.6	7.4	49	43	9.1	14	10
28	3.8	3.2	2.4	2.4	2.4	4.6	8.4	49	48	9.8	14	9.4
29	3.8	3.2	2.4	2.4	2.4	2.6	9.4	51	46	9.8	14	9.1
30	5.0	3.2	3.0	2.8	---	2.4	15	51	43	10	14	9.1
31	4.4	---	2.8	2.4	---	2.8	---	41	---	19	13	---
TOTAL	119.0	122.4	101.0	79.2	62.2	75.8	233.1	1051	1385	513.5	691	397.6
MEAN	3.84	4.08	3.26	2.55	2.14	2.45	7.77	33.9	46.2	16.6	22.3	13.3
AC-FT	236	243	200	157	123	150	462	2080	2750	1020	1370	789
MAX	5.0	5.6	4.0	3.6	2.8	4.6	15	53	66	38	46	22
MIN	3.0	3.2	2.4	2.0	1.6	1.6	2.4	13	32	8.0	13	9.1

CAL YR 1987 TOTAL 7061.6 MEAN 19.3 MAX 270 MIN 2.2 AC-FT 14010  
WTR YR 1988 TOTAL 4830.8 MEAN 13.2 MAX 66 MIN 1.6 AC-FT 9580

MAX DISCH 75 CFS AT 0445 07-JUN-1988 GH 1.99 FT. SHIFT +0.02 FT. MAX GH 1.99 FT. AT 0445 07-JUN-1988



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO (1989)

**LOCATION.**--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

**DRAINAGE AREA.**--10.7 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

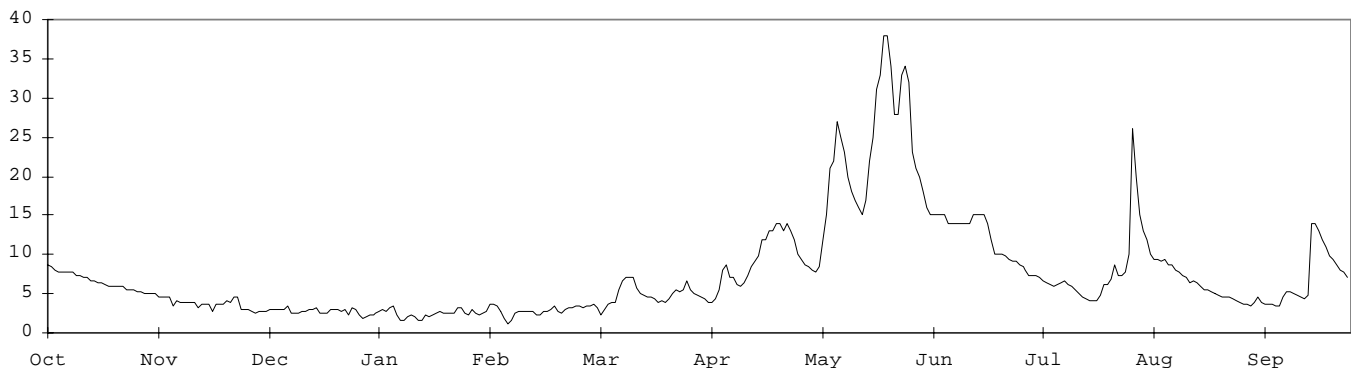
**RATING TABLE.**--NOCRESOCO9 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	4.6	2.8	2.5	2.8	3.4	4.8	8.8	21	8.4	26	3.6
2	8.4	4.6	2.9	2.8	3.6	3.4	4.6	8.4	20	8.0	20	3.6
3	8.0	4.6	2.9	2.9	3.6	3.6	4.4	8.0	18	7.4	15	3.4
4	7.7	4.6	2.9	2.8	3.5	3.2	4.0	7.7	16	7.4	13	4.0
5	7.7	3.4	2.9	3.2	2.8	2.4	3.8	8.4	15	7.4	12	4.6
6	7.7	4.2	2.9	3.4	1.9	3.0	4.4	12	15	7.0	10	4.0
7	7.7	4.0	3.4	2.2	1.1	3.7	5.6	15	15	6.7	9.4	3.6
8	7.7	3.8	2.5	1.5	1.6	3.9	8.0	21	15	6.4	9.4	3.6
9	7.4	3.8	2.5	1.6	2.5	4.0	8.8	22	15	6.2	9.1	3.6
10	7.4	3.8	2.6	2.1	2.8	5.6	7.0	27	14	5.9	9.4	3.4
11	7.0	4.0	2.7	2.4	2.7	6.7	7.0	25	14	6.2	8.8	3.4
12	7.0	3.2	2.7	2.1	2.7	7.0	6.2	23	14	6.4	8.8	4.6
13	6.7	3.6	2.9	1.5	2.7	7.0	5.9	20	14	6.7	8.0	5.2
14	6.7	3.6	3.0	1.7	2.8	7.0	6.4	18	14	6.2	7.7	5.2
15	6.4	3.6	3.2	2.2	2.4	5.8	7.4	17	14	5.9	7.4	5.0
16	6.4	2.7	2.5	2.0	2.2	5.0	8.4	16	14	5.4	7.0	4.8
17	6.2	3.6	2.6	2.2	2.7	4.8	9.1	15	15	5.0	6.4	4.6
18	5.9	3.6	2.6	2.5	2.7	4.6	9.8	17	15	4.6	6.7	4.4
19	5.9	3.6	2.9	2.7	3.0	4.6	12	22	15	4.4	6.4	4.8
20	5.9	4.2	2.9	2.5	3.4	4.4	12	25	15	4.2	5.9	14
21	5.9	3.8	2.9	2.6	2.8	4.0	13	31	14	4.2	5.6	14
22	5.9	4.6	2.7	2.5	2.6	4.2	13	33	12	4.2	5.4	13
23	5.6	4.6	2.9	2.6	2.9	4.0	14	38	10	4.7	5.2	12
24	5.4	3.0	2.3	3.1	3.2	4.4	14	38	10	6.2	5.0	11
25	5.4	3.0	3.3	3.3	3.3	5.0	13	34	10	6.2	4.8	9.8
26	5.2	3.0	3.0	2.6	3.5	5.4	14	28	9.8	6.8	4.6	9.4
27	5.2	2.7	2.3	2.4	3.4	5.2	13	28	9.4	8.8	4.6	8.8
28	5.0	2.5	1.9	3.0	3.3	5.4	12	33	9.1	7.4	4.6	8.0
29	5.0	2.7	2.1	2.5	---	6.7	10	34	9.1	7.4	4.4	7.7
30	5.0	2.7	2.2	2.4	---	5.6	9.4	32	8.8	7.7	4.2	7.0
31	5.0	---	2.4	2.5	---	5.0	---	23	---	10	4.0	---
TOTAL	201.2	109.7	84.3	76.3	78.5	148.0	265.0	688.3	410.2	199.4	258.8	194.1
MEAN	6.49	3.66	2.72	2.46	2.80	4.77	8.83	22.2	13.7	6.43	8.35	6.47
AC-FT	399	218	167	151	156	294	526	1370	814	396	513	385
MAX	8.8	4.6	3.4	3.4	3.6	7.0	14	38	21	10	26	14
MIN	5.0	2.5	1.9	1.5	1.1	2.4	3.8	7.7	8.8	4.2	4.0	3.4

CAL YR 1988 TOTAL 4883.6 MEAN 13.3 MAX 66 MIN 1.6 AC-FT 9690  
WTR YR 1989 TOTAL 2713.8 MEAN 7.44 MAX 38 MIN 1.1 AC-FT 5380

MAX DISCH 45 CFS AT 2130 23-MAY-1989 GH 1.84 FT. SHIFT +0.02 FT. MAX GH 1.84 FT. AT 2130 23-MAY-1989



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO (1990)

LOCATION.--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

DRAINAGE AREA.--10.7 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

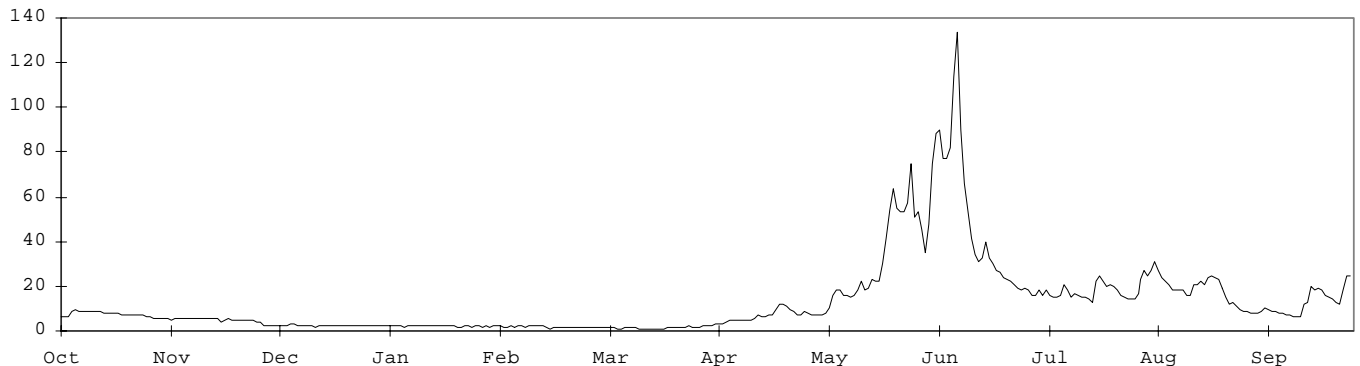
RATING TABLE.--NOCRESCO09 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	5.0	2.5	2.1	2.0	1.5	2.0	7.4	45	18	17	8.8
2	6.4	5.2	2.3	2.3	2.1	1.3	2.2	7.0	35	16	23	8.0
3	6.2	5.4	2.4	2.6	1.8	1.3	2.6	7.0	48	16	27	8.0
4	8.8	5.6	2.4	2.1	1.8	1.4	2.8	7.0	75	18	25	8.0
5	9.4	5.4	2.9	2.0	2.0	1.5	3.2	7.7	88	16	27	9.1
6	8.8	5.2	2.8	1.8	1.7	1.3	3.4	10	90	18	31	10
7	8.8	5.2	2.3	2.0	2.1	1.0	4.2	16	77	16	27	9.4
8	8.4	5.2	2.2	2.3	2.2	1.0	4.6	18	77	15	24	9.1
9	8.4	5.2	2.3	2.6	1.8	1.2	4.4	18	82	15	22	8.8
10	8.4	5.2	2.7	2.6	2.0	1.3	4.4	16	114	16	21	8.0
11	8.4	5.2	2.1	2.6	2.0	1.4	4.8	16	134	21	18	7.7
12	8.4	5.2	1.7	2.6	2.1	1.2	5.0	15	90	18	18	7.4
13	8.0	5.2	2.0	2.4	2.2	1.1	5.0	16	66	15	18	7.0
14	8.0	5.2	2.2	2.6	2.1	0.90	4.8	18	53	17	18	6.4
15	8.0	3.8	2.6	2.5	1.4	1.0	5.9	22	41	16	16	6.2
16	7.7	5.0	2.3	2.3	1.1	1.0	7.0	18	34	15	16	6.2
17	7.7	5.2	2.0	2.0	1.4	1.0	6.7	19	31	15	21	12
18	7.4	4.9	2.4	2.2	1.7	0.90	6.4	23	33	14	21	13
19	7.0	5.0	2.2	2.4	1.5	0.90	7.0	22	40	13	22	20
20	7.4	5.0	2.2	2.1	1.4	1.0	7.4	22	33	22	21	18
21	7.4	5.0	2.2	1.9	1.3	1.4	9.4	30	30	25	24	19
22	7.4	4.8	2.1	1.9	1.4	1.6	12	41	27	22	25	18
23	7.4	4.4	2.2	2.0	1.4	1.7	12	54	26	20	24	16
24	7.0	4.4	2.5	2.1	1.6	1.4	11	64	24	21	23	15
25	6.7	4.0	2.3	1.9	1.4	1.6	9.8	55	23	20	19	14
26	6.4	3.8	2.3	2.0	1.4	1.6	8.4	53	22	18	15	13
27	5.9	2.6	2.3	2.1	1.5	2.0	7.0	53	21	16	12	12
28	5.9	2.0	2.4	1.8	1.5	1.9	7.0	57	19	15	13	18
29	5.2	2.0	2.6	2.0	---	1.9	8.8	75	18	14	11	25
30	5.6	2.3	2.4	1.9	---	1.9	7.7	51	19	14	9.6	25
31	5.2	---	2.1	2.5	---	2.6	---	53	---	14	9.1	---
TOTAL	228.4	137.6	71.9	68.2	47.9	42.80	186.9	891.1	1515	529	617.7	366.1
MEAN	7.37	4.59	2.32	2.20	1.71	1.38	6.23	28.7	50.5	17.1	19.9	12.2
AC-FT	453	273	143	135	95	85	371	1770	3000	1050	1230	726
MAX	9.4	5.6	2.9	2.6	2.2	2.6	12	75	134	25	31	25
MIN	5.2	2.0	1.7	1.8	1.1	0.90	2.0	7.0	18	13	9.1	6.2

CAL YR 1989 TOTAL 2756.5 MEAN 7.55 MAX 38 MIN 1.1 AC-FT 5470  
WTR YR 1990 TOTAL 4702.60 MEAN 12.9 MAX 134 MIN 0.90 AC-FT 9330

MAX DISCH 166 CFS AT 1530 11-JUN-1990 GH 2.34 FT. SHIFT -0.06 FT. MAX GH 2.34 FT. AT 1530 11-JUN-1990



## RIO GRANDE BASIN

## CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO (1982)

LOCATION.--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi<sup>2</sup>.

GAGE.--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

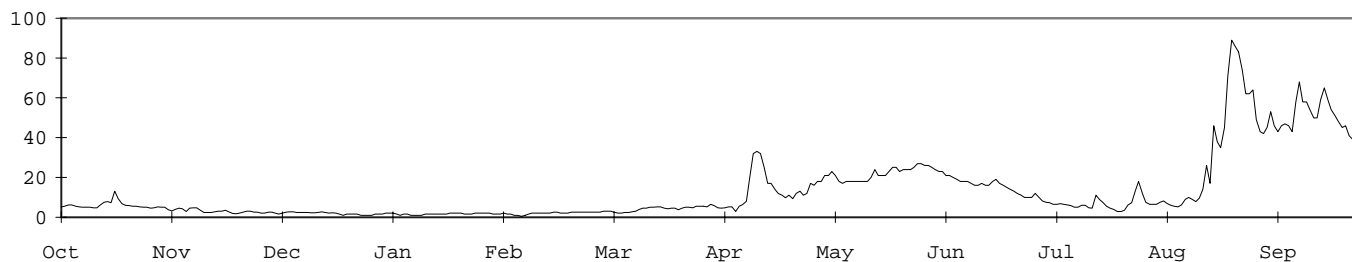
RATING TABLE.--CARLAGCO14 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	3.2	1.5	2.0	1.5	2.5	6.5	18	26	12	7.6	49
2	5.5	4.0	2.0	2.0	2.0	3.0	5.8	18	25	10	6.5	43
3	6.2	4.5	2.5	1.5	1.5	3.0	4.8	21	24	8.2	6.5	42
4	6.2	4.2	2.6	1.0	1.5	3.0	4.5	21	23	7.6	6.5	45
5	5.5	2.8	2.6	1.5	1.0	2.5	4.8	23	23	7.2	7.6	53
6	5.2	4.5	2.4	1.5	1.0	2.0	5.2	21	21	6.5	8.2	46
7	5.0	4.8	2.3	1.0	0.50	2.0	5.2	18	21	6.5	6.8	43
8	5.0	4.8	2.3	1.0	1.0	2.3	2.8	17	20	6.8	6.0	46
9	5.0	3.5	2.3	1.0	1.5	2.4	5.5	18	19	6.5	5.5	47
10	4.8	2.4	2.2	1.0	2.0	2.6	6.3	18	18	6.2	5.2	46
11	4.8	2.3	2.2	1.5	2.0	3.0	8.1	18	18	5.8	6.2	43
12	6.2	2.4	2.4	1.5	2.0	4.0	20	18	18	5.0	9.0	58
13	7.6	2.6	2.6	1.5	2.0	4.5	32	18	17	5.0	10	68
14	7.9	3.0	2.3	1.5	2.0	4.5	33	18	16	6.0	9.0	58
15	7.2	3.0	2.0	1.5	2.0	5.0	32	18	16	6.0	7.9	58
16	13	3.5	2.2	1.5	2.5	5.0	25	20	17	4.8	9.6	54
17	9.3	2.6	2.0	1.5	2.5	5.2	17	24	16	4.5	14	50
18	6.8	1.9	1.5	2.0	2.0	5.2	17	21	16	11	26	50
19	6.0	1.7	1.0	2.0	2.0	4.5	14	21	18	9.0	17	59
20	5.8	2.0	1.5	2.0	2.0	4.2	12	21	19	7.2	46	65
21	5.5	2.5	1.5	2.0	2.5	4.5	11	23	17	5.5	38	59
22	5.5	3.0	1.5	1.5	2.5	4.5	9.8	25	16	4.5	35	54
23	5.2	3.0	1.5	1.5	2.5	3.8	11	25	15	4.0	45	51
24	5.0	2.5	1.0	1.5	2.5	4.5	9.3	23	14	2.8	71	48
25	5.0	2.5	1.0	2.0	2.5	5.0	12	24	13	2.8	89	45
26	4.5	2.0	1.0	2.0	2.5	5.0	13	24	12	3.5	86	46
27	4.8	2.0	1.0	2.0	2.5	4.8	11	24	11	6.2	83	41
28	5.2	2.5	1.5	2.0	2.5	5.5	12	25	10	7.2	74	39
29	5.0	2.5	1.5	2.0	---	5.5	17	27	10	13	62	38
30	5.0	2.0	1.5	1.5	---	5.5	16	27	10	18	62	38
31	3.8	---	2.0	1.5	---	5.2	---	26	---	12	64	---
TOTAL	182.7	88.2	57.4	49.5	54.50	124.2	383.6	663	519	221.3	930.1	1482
MEAN	5.89	2.94	1.85	1.60	1.95	4.01	12.8	21.4	17.3	7.14	30.0	49.4
AC-FT	362	175	114	98	108	246	761	1320	1030	439	1840	2940
MAX	13	4.8	2.6	2.0	2.5	5.5	33	27	26	18	89	68
MIN	3.8	1.7	1.0	1.0	0.50	2.0	2.8	17	10	2.8	5.2	38

CAL YR 1981 TOTAL 1488.41 MEAN 4.08 MAX 16 MIN 0.15 AC-FT 2950  
WTR YR 1982 TOTAL 4755.50 MEAN 13.0 MAX 89 MIN 0.50 AC-FT 9430

MAX DISCH 191 CFS AT 1400 30-AUG-1982 GH 3.35 FT. SHIFT 0.00 FT. MAX GH 3.35 FT. AT 1400 30-AUG-1982



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO (1983)

LOCATION.--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi<sup>2</sup>.

GAGE.--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

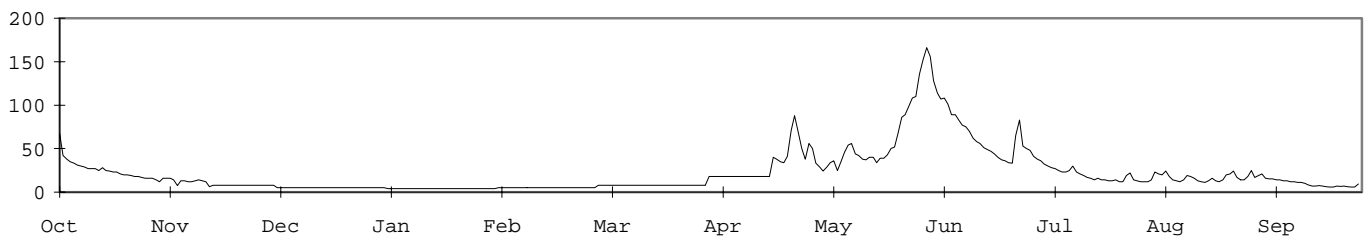
RATING TABLE.--CARLAGCO14 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	16	5.0	4.0	5.0	8.0	18	33	166	41	12	17
2	42	14	5.0	4.0	5.0	8.0	18	29	156	38	12	19
3	38	7.6	5.0	4.0	5.0	8.0	18	24	128	36	14	21
4	35	13	5.0	4.0	5.0	8.0	18	29	114	32	23	16
5	33	13	5.0	4.0	5.0	8.0	18	34	107	30	21	15
6	31	12	5.0	4.0	5.0	8.0	18	36	108	28	20	15
7	30	12	5.0	4.0	5.0	8.0	18	25	101	27	24	14
8	29	13	5.0	4.0	5.0	8.0	18	35	89	25	18	14
9	27	14	5.0	4.0	5.0	8.0	18	46	89	23	14	13
10	27	13	5.0	4.0	5.0	8.0	18	54	83	23	13	13
11	27	12	5.0	4.0	5.0	8.0	18	56	77	25	12	12
12	25	6.2	5.0	4.0	5.0	8.0	18	44	75	30	14	12
13	28	8.0	5.0	4.0	5.0	8.0	18	42	70	23	19	11
14	25	8.0	5.0	4.0	5.0	8.0	18	38	62	21	18	11
15	24	8.0	5.0	4.0	5.0	8.0	18	37	58	19	16	10
16	23	8.0	5.0	4.0	5.0	8.0	18	40	56	17	13	8.2
17	23	8.0	5.0	4.0	5.0	8.0	18	40	51	16	12	6.8
18	21	8.0	5.0	4.0	5.0	8.0	18	34	49	14	11	6.8
19	20	8.0	5.0	4.0	5.0	8.0	40	39	47	16	13	7.6
20	20	8.0	5.0	4.0	5.0	8.0	38	39	44	14	16	6.8
21	19	8.0	5.0	4.0	5.0	8.0	35	43	40	14	13	6.2
22	18	8.0	5.0	4.0	5.0	8.0	34	50	37	13	12	5.8
23	18	8.0	5.0	4.0	5.0	8.0	41	52	36	13	14	5.8
24	17	8.0	5.0	4.0	5.0	8.0	71	67	34	14	20	6.8
25	16	8.0	5.0	4.0	5.0	8.0	88	86	33	12	21	6.5
26	16	8.0	5.0	4.0	5.0	8.0	68	89	65	12	24	6.8
27	16	8.0	5.0	4.0	5.0	8.0	50	99	83	19	17	6.2
28	14	8.0	5.0	4.0	5.0	8.0	38	108	53	22	14	5.8
29	12	8.0	5.0	4.0	---	8.0	56	110	50	14	14	5.8
30	16	8.0	5.0	4.0	---	8.0	50	136	48	13	18	9.3
31	16	---	5.0	4.0	---	8.0	---	152	---	12	25	---
TOTAL	773	289.8	155.0	124.0	140.0	248.0	933	1746	2209	656	507	314.2
MEAN	24.9	9.66	5.00	4.00	5.00	8.00	31.1	56.3	73.6	21.2	16.4	10.5
AC-FT	1530	575	307	246	278	492	1850	3460	4380	1300	1010	623
MAX	67	16	5.0	4.0	5.0	8.0	88	152	166	41	25	21
MIN	12	6.2	5.0	4.0	5.0	8.0	18	24	33	12	11	5.8

CAL YR 1982 TOTAL 5645.00 MEAN 15.5 MAX 89 MIN 0.50 AC-FT 11200  
WTR YR 1983 TOTAL 8095.0 MEAN 22.2 MAX 166 MIN 4.0 AC-FT 16060

MAX DISCH 229 CFS AT 2330 24-APR-1983 GH 3.34 FT. SHIFT 0.15 FT. MAX GH 3.34 FT. AT 2330 24-APR-1983



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO (1984)

LOCATION.--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi<sup>2</sup>.

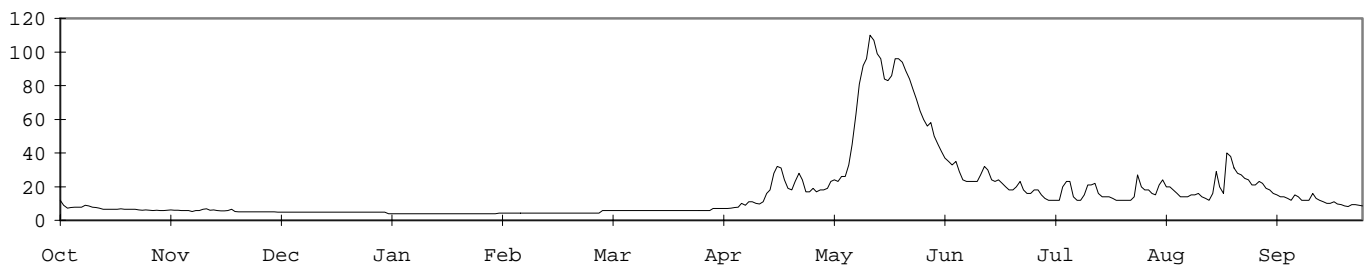
GAGE.--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

RATING TABLE.--CARLAGCO14 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	6.2	4.8	4.0	4.2	5.8	7.0	18	58	18	18	23
2	9.0	6.0	4.8	4.0	4.2	5.8	7.0	18	50	15	16	22
3	7.2	6.0	4.8	4.0	4.2	5.8	7.0	19	45	13	15	19
4	7.6	5.8	4.8	4.0	4.2	5.8	7.0	23	41	12	21	18
5	7.9	5.8	4.8	4.0	4.2	5.8	7.0	24	37	12	24	16
6	7.9	5.8	4.8	4.0	4.2	5.8	7.2	23	35	12	20	15
7	7.9	5.2	4.8	4.0	4.2	5.8	7.6	26	33	12	20	14
8	9.0	5.8	4.8	4.0	4.2	5.8	7.9	26	35	20	18	14
9	8.6	5.8	4.8	4.0	4.2	5.8	10	33	29	23	16	13
10	7.9	6.5	4.8	4.0	4.2	5.8	9.0	45	24	23	14	12
11	7.6	6.8	4.8	4.0	4.2	5.8	11	63	23	14	14	15
12	7.2	6.0	4.8	4.0	4.2	5.8	11	81	23	12	14	14
13	6.5	6.2	4.8	4.0	4.2	5.8	10	92	23	12	15	12
14	6.5	5.8	4.8	4.0	4.2	5.8	9.6	96	23	15	15	12
15	6.5	5.6	4.8	4.0	4.2	5.8	11	110	27	21	16	12
16	6.5	5.6	4.8	4.0	4.2	5.8	16	107	32	21	14	16
17	6.5	5.8	4.8	4.0	4.2	5.8	18	99	30	22	13	13
18	6.8	6.5	4.8	4.0	4.2	5.8	28	96	24	16	12	12
19	6.5	5.2	4.8	4.0	4.2	5.8	32	84	23	14	16	11
20	6.5	5.0	4.8	4.0	4.2	5.8	31	83	24	14	29	10
21	6.5	5.0	4.8	4.0	4.2	5.8	24	86	22	14	20	10
22	6.5	5.0	4.8	4.0	4.2	5.8	19	96	20	13	16	11
23	6.2	5.0	4.8	4.0	4.2	5.8	18	96	18	12	40	9.6
24	6.0	5.0	4.8	4.0	4.2	5.8	23	94	18	12	38	9.3
25	6.2	5.0	4.8	4.0	4.2	5.8	28	89	20	12	31	8.6
26	6.0	5.0	4.8	4.0	4.2	5.8	24	84	23	12	28	8.2
27	5.8	5.0	4.8	4.0	4.2	5.8	17	78	18	12	27	9.3
28	6.0	5.0	4.8	4.0	4.2	5.8	17	72	16	14	25	9.3
29	5.8	5.0	4.8	4.0	4.2	5.8	19	65	16	27	24	9.0
30	5.8	5.0	4.8	4.0	---	5.8	17	60	18	20	21	8.6
31	6.0	---	4.8	4.0	---	5.8	---	56	---	18	21	---
TOTAL	218.9	167.4	148.8	124.0	121.8	179.8	460.3	2042	828	487	631	385.9
MEAN	7.06	5.58	4.80	4.00	4.20	5.80	15.3	65.9	27.6	15.7	20.4	12.9
AC-FT	434	332	295	246	242	357	913	4050	1640	966	1250	765
MAX	12	6.8	4.8	4.0	4.2	5.8	32	110	58	27	40	23
MIN	5.8	5.0	4.8	4.0	4.2	5.8	7.0	18	16	12	12	8.2
CAL YR 1983 TOTAL		7412.3	MEAN	20.3	MAX	166	MIN	4.0	AC-FT	14700		
WTR YR 1984 TOTAL		5794.9	MEAN	15.8	MAX	110	MIN	4.0	AC-FT	11490		

MAX DISCH 128 CFS AT 0700 15-MAY-1984 GH 3.19 FT. SHIFT -0.11 FT. MAX GH 3.19 FT. AT 0700 15-MAY-1984



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO (1985)

**LOCATION.**--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

**DRAINAGE AREA.**--117 mi<sup>2</sup>.

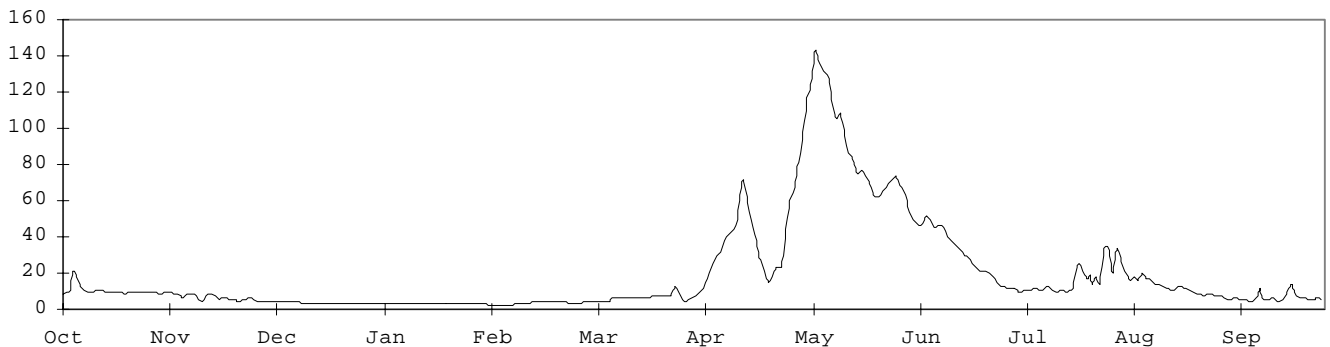
**GAGE.**--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

**RATING TABLE.**--CARLAGCO14 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	9.6	4.0	3.2	2.6	4.0	6.0	77	65	12	20	7.2
2	9.0	8.2	4.0	3.2	2.6	4.0	7.0	81	60	12	34	6.5
3	11	8.2	4.0	3.2	2.6	4.0	9.0	94	54	12	26	5.5
4	21	7.6	4.0	3.2	2.6	4.0	12	114	50	11	21	5.2
5	19	6.2	4.0	3.2	2.6	4.0	15	124	47	10	18	6.0
6	13	8.2	4.0	3.2	2.6	4.0	20	139	46	11	16	5.5
7	11	7.9	4.0	3.2	2.6	4.0	25	143	50	11	18	4.8
8	10	8.2	4.0	3.2	2.6	4.0	30	136	52	11	16	4.8
9	10	4.8	3.4	3.2	3.0	6.0	32	132	49	12	20	4.5
10	9.6	4.5	3.4	2.8	3.0	6.0	35	130	45	12	17	4.5
11	11	5.0	3.4	2.8	3.0	6.0	40	120	46	11	17	5.8
12	11	8.2	3.4	2.8	3.0	6.0	42	112	46	12	16	12
13	10	7.9	3.4	2.8	3.0	6.0	44	105	45	13	14	6.5
14	9.6	7.6	3.4	2.8	3.8	6.0	50	108	40	11	14	5.0
15	9.6	5.5	3.4	2.8	3.8	6.0	60	96	38	9.6	13	4.8
16	9.3	6.2	2.8	2.8	3.8	6.0	72	86	36	9.6	12	6.0
17	10	6.8	2.8	2.8	3.8	6.0	59	84	34	11	12	4.5
18	10	5.5	2.8	2.8	3.8	6.0	50	81	32	10	11	4.0
19	8.6	5.5	2.8	3.4	3.8	6.0	41	75	30	11	12	5.2
20	9.3	4.8	2.8	3.4	3.8	6.0	30	77	28	12	13	8.7
21	9.3	4.5	2.8	3.4	3.8	7.0	27	74	25	19	12	14
22	9.6	5.0	2.8	3.4	3.8	7.0	21	71	23	25	12	9.0
23	9.6	5.2	2.8	3.4	3.8	7.0	15	67	21	21	11	7.2
24	9.6	5.8	2.8	3.4	3.4	7.0	18	62	21	17	9.3	6.5
25	9.3	5.5	2.8	3.4	3.4	7.0	23	62	21	19	8.6	5.8
26	9.0	4.6	2.8	3.4	3.4	7.0	23	65	20	14	8.2	5.2
27	10	4.6	3.2	3.4	3.4	13	23	67	18	18	7.6	5.0
28	9.6	4.6	3.2	3.0	3.4	10	39	70	15	14	8.6	5.0
29	8.6	4.6	3.2	3.0	---	5.6	60	72	13	34	7.9	5.8
30	9.0	4.6	3.2	3.0	---	4.5	64	74	13	35	7.6	5.5
31	9.6	---	3.2	3.0	---	5.0	---	68	---	23	7.2	---
TOTAL	323.8	185.4	102.6	96.6	90.8	184.1	992.0	2866	1083	463.2	440.0	186.0
MEAN	10.4	6.18	3.31	3.12	3.24	5.94	33.1	92.5	36.1	14.9	14.2	6.20
AC-FT	642	368	204	192	180	365	1970	5680	2150	919	873	369
MAX	21	9.6	4.0	3.4	3.8	13	72	143	65	35	34	14
MIN	8.6	4.5	2.8	2.8	2.6	4.0	6.0	62	13	9.6	7.2	4.0
CAL YR 1984 TOTAL		5871.6	MEAN	16.0	MAX	110	MIN	2.8	AC-FT	11650		
WTR YR 1985 TOTAL		7013.5	MEAN	19.2	MAX	143	MIN	2.6	AC-FT	13910		

MAX DISCH 150 CFS AT 0900 07-MAY-1985 GH 3.11 FT. SHIFT +0.07 FT. MAX GH 3.11 FT. AT 0900 07-MAY-1985



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO (1986)

LOCATION.--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi<sup>2</sup>.

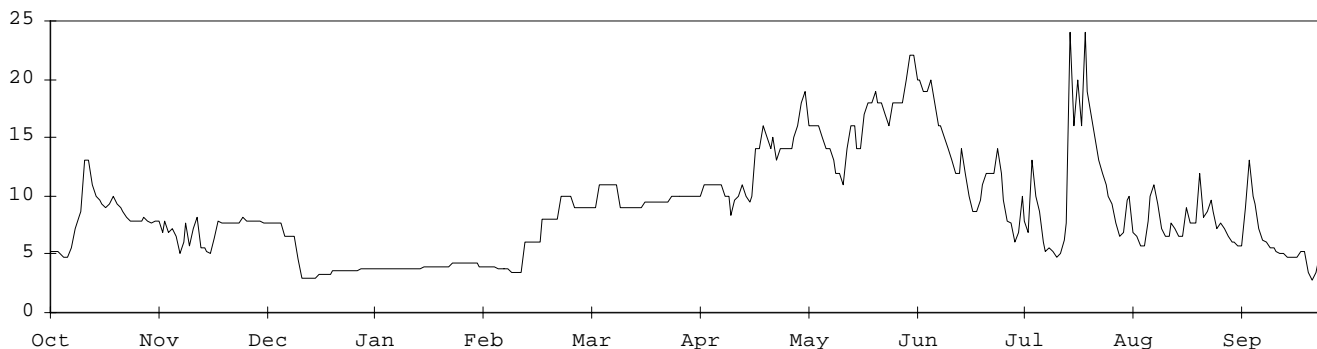
GAGE.--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

RATING TABLE.--CARLAGCO14 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	7.9	7.6	3.7	4.0	9.0	10	14	18	9.6	9.3	7.6
2	5.2	6.8	7.6	3.7	4.0	9.0	10	15	18	7.9	7.6	7.2
3	5.2	7.9	7.6	3.7	4.0	9.0	10	16	20	7.6	6.5	6.5
4	5.0	6.8	7.6	3.7	4.0	9.0	10	18	22	6.0	6.8	6.0
5	4.8	7.2	7.6	3.7	4.0	9.0	10	19	22	6.8	9.6	6.0
6	4.8	6.5	7.6	3.7	3.7	9.0	11	16	20	10	10	5.8
7	5.5	5.0	6.5	3.7	3.7	11	11	16	20	7.9	6.8	5.8
8	7.2	6.0	6.5	3.8	3.7	11	11	16	19	6.8	6.5	9.0
9	8.2	7.6	6.5	3.8	3.7	11	11	16	19	13	5.8	13
10	8.6	5.8	6.5	3.8	3.5	11	11	15	20	10	5.8	10
11	13	7.2	4.5	3.8	3.5	11	11	14	18	8.6	7.9	9.3
12	13	8.2	3.0	3.8	3.5	11	10	14	16	6.0	10	7.2
13	11	5.5	3.0	3.8	3.5	9.0	10	13	16	5.2	11	6.2
14	10	5.6	3.0	3.8	6.0	9.0	8.4	12	15	5.5	9.3	6.0
15	9.6	5.2	3.0	3.8	6.0	9.0	9.6	12	14	5.2	7.2	5.5
16	9.3	5.1	3.0	4.0	6.0	9.0	10	11	13	4.8	6.5	5.5
17	9.0	6.4	3.3	4.0	6.0	9.0	11	14	12	5.0	6.5	5.2
18	9.3	7.9	3.3	4.0	6.0	9.0	10	16	12	6.2	7.6	5.0
19	10	7.6	3.3	4.0	8.0	9.0	9.4	16	14	7.6	7.2	5.0
20	9.3	7.6	3.3	4.0	8.0	9.5	10	14	12	24	6.5	4.8
21	9.0	7.6	3.6	4.0	8.0	9.5	14	14	10	16	6.5	4.8
22	8.6	7.6	3.6	4.0	8.0	9.5	14	17	8.6	20	9.0	4.8
23	8.2	7.6	3.6	4.0	8.0	9.5	16	18	8.6	16	7.6	4.8
24	7.9	7.6	3.6	4.2	10	9.5	15	18	9.6	24	7.6	5.2
25	7.9	8.2	3.6	4.2	10	9.5	14	19	11	19	7.6	5.2
26	7.9	7.9	3.6	4.2	10	9.5	15	18	12	17	12	3.5
27	7.9	7.8	3.6	4.2	10	9.5	13	18	12	15	8.2	2.8
28	8.2	7.8	3.6	4.2	9.0	10	14	17	12	13	8.6	3.5
29	7.9	7.8	3.7	4.2	---	10	14	16	14	12	9.6	4.2
30	7.6	7.8	3.7	4.2	---	10	14	18	12	11	8.6	4.5
31	7.9	---	3.7	4.2	---	10	---	18	---	10	7.2	---
TOTAL	252.2	211.5	144.2	121.9	167.8	299.0	347.4	488	449.8	336.7	246.9	179.9
MEAN	8.14	7.05	4.65	3.93	5.99	9.65	11.6	15.7	15.0	10.9	7.96	6.00
AC-FT	500	420	286	242	333	593	689	968	892	668	490	357
MAX	13	8.2	7.6	4.2	10	11	16	19	22	24	12	13
MIN	4.8	5.0	3.0	3.7	3.5	9.0	8.4	11	8.6	4.8	5.8	2.8
CAL YR 1985 TOTAL		7009.6	MEAN	19.2	MAX	143	MIN	2.6	AC-FT	13900		
WTR YR 1986 TOTAL		3245.3	MEAN	8.89	MAX	24	MIN	2.8	AC-FT	6440		

MAX DISCH 35 CFS AT 0730 20-JUL-1986 GH 2.47 FT. SHIFT -0.05 FT. MAX GH 2.47 FT. AT 0730 20-JUL-1986



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO (1987)

LOCATION.--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi<sup>2</sup>.

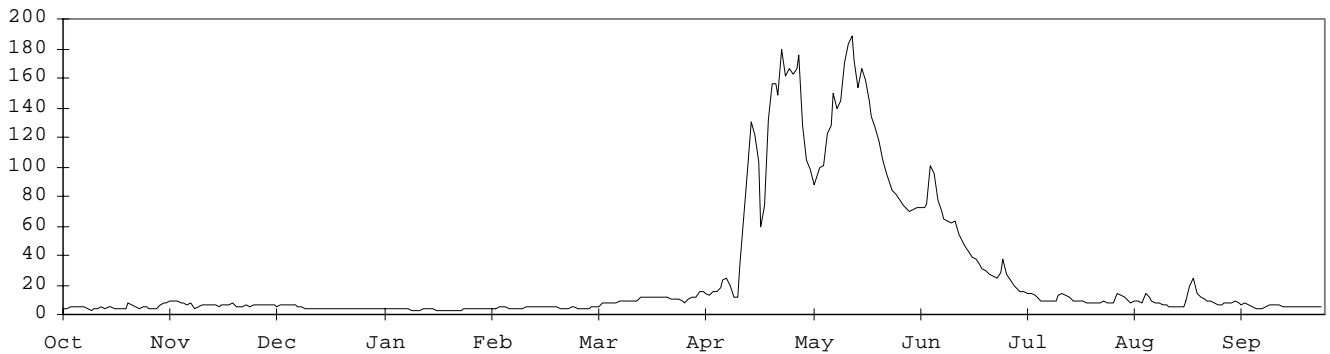
GAGE.--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

RATING TABLE.--CARLAGCO14 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	8.6	6.2	3.4	4.4	4.2	11	166	74	27	7.6	6.2
2	4.5	8.6	5.8	3.4	4.4	4.2	12	176	71	23	14	8.2
3	4.8	8.6	6.2	3.6	4.4	5.4	15	128	70	20	13	7.6
4	5.2	8.2	6.0	3.6	4.8	5.4	15	105	71	17	11	7.9
5	5.0	7.2	6.0	3.6	4.8	5.4	14	98	72	16	8.6	9.6
6	5.0	6.8	6.0	3.6	4.8	8.0	13	88	72	16	7.6	7.9
7	5.0	7.2	6.0	3.8	4.4	8.0	15	91	72	14	9.0	6.8
8	4.0	3.5	5.0	3.8	4.4	8.0	16	99	75	14	9.6	7.2
9	3.2	5.5	5.0	3.8	4.4	8.0	18	101	101	13	7.9	6.5
10	3.8	6.2	3.4	3.0	4.4	8.0	23	122	96	11	14	5.0
11	4.5	6.2	3.4	3.0	4.4	9.0	24	128	77	9.6	11	4.5
12	5.0	6.8	3.4	3.0	5.2	9.0	19	150	70	9.6	9.0	4.5
13	4.2	6.2	3.4	3.4	5.2	9.0	11	139	65	9.6	7.9	4.2
14	4.6	6.0	3.4	3.4	5.2	9.0	11	145	63	8.6	8.2	5.5
15	4.8	5.8	4.4	3.4	5.0	9.0	32	170	62	9.6	6.5	6.2
16	4.5	6.0	4.4	3.4	5.0	9.0	65	183	63	13	6.0	6.2
17	4.2	6.0	4.4	3.0	5.0	12	97	188	54	14	5.5	6.0
18	4.0	6.2	4.4	3.0	5.0	12	130	171	49	13	5.2	6.0
19	4.0	7.2	4.4	3.0	5.0	12	121	154	46	11	4.8	5.8
20	7.2	5.8	4.4	3.0	4.6	12	103	166	42	9.6	5.0	5.5
21	6.5	5.2	4.4	2.6	4.6	11	59	159	39	9.3	5.0	5.2
22	5.2	5.5	4.4	2.6	4.4	12	74	145	37	9.0	8.8	5.5
23	4.2	6.0	3.8	2.6	4.4	11	131	134	34	8.6	20	5.2
24	5.0	5.5	3.8	2.6	4.4	11	156	126	31	8.2	24	5.2
25	4.8	6.0	3.8	3.4	5.0	11	156	118	30	7.9	14	5.0
26	4.2	6.5	3.8	3.4	5.0	10	148	105	27	7.9	12	5.2
27	4.2	6.5	3.6	3.4	4.2	10	180	96	26	7.6	10	5.2
28	4.5	6.5	3.6	3.4	4.2	10	161	91	25	7.9	9.6	5.2
29	6.0	6.2	3.6	4.0	---	9.0	166	84	28	8.6	8.6	5.2
30	7.2	6.0	3.6	4.0	---	8.0	162	81	37	7.9	7.6	5.0
31	7.2	---	3.6	4.0	---	10	---	78	---	7.2	6.8	---
TOTAL	150.7	192.5	137.6	103.2	131.0	279.6	2158	3985	1679	368.7	297.8	179.2
MEAN	4.86	6.42	4.44	3.33	4.68	9.02	71.9	129	56.0	11.9	9.61	5.97
AC-FT	299	382	273	205	260	555	4280	7900	3330	731	591	355
MAX	7.2	8.6	6.2	4.0	5.2	12	180	188	101	27	24	9.6
MIN	3.2	3.5	3.4	2.6	4.2	4.2	11	78	25	7.2	4.8	4.2
CAL YR 1986 TOTAL		3118.2	MEAN	8.54	MAX	24	MIN	2.8	AC-FT	6180		
WTR YR 1987 TOTAL		9662.3	MEAN	26.5	MAX	188	MIN	2.6	AC-FT	19170		

MAX DISCH 275 CFS AT 0030 27-APR-1987 GH 3.55 FT. SHIFT +0.09 FT. MAX GH 3.55 FT. AT 0030 27-APR-1987



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO (1988)

LOCATION.--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi<sup>2</sup>.

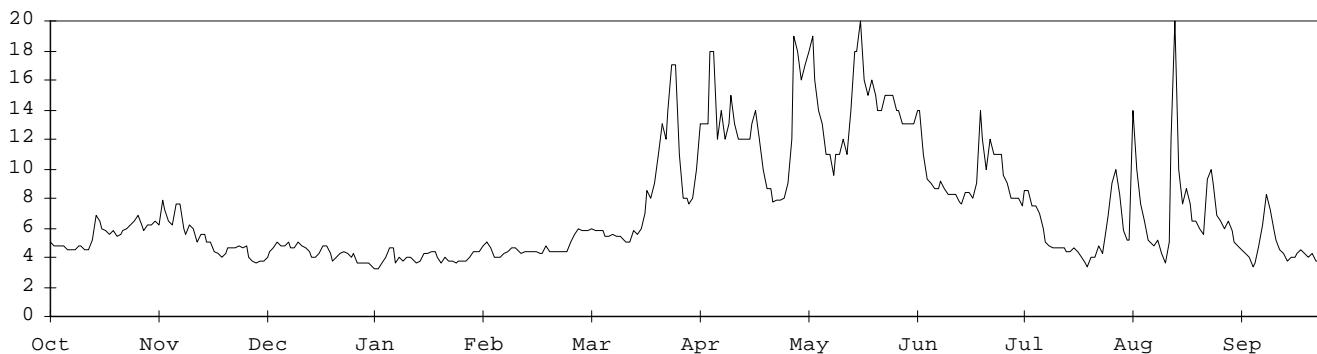
GAGE.--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

RATING TABLE.--CARLAGCO14 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	6.2	3.8	3.4	4.4	5.8	7.6	19	13	9.0	10	6.0
2	4.8	7.9	4.0	3.2	4.8	5.8	8.0	18	13	8.0	8.2	6.5
3	4.8	7.2	4.4	3.2	5.0	5.8	10	16	13	8.0	5.8	5.8
4	4.8	6.5	4.6	3.6	4.6	6.0	13	17	13	8.0	5.2	5.0
5	4.8	6.2	5.0	4.0	4.0	5.8	13	18	14	7.5	5.2	4.8
6	4.5	7.6	4.8	4.6	4.0	5.8	13	19	14	8.5	14	4.5
7	4.5	7.6	4.8	4.6	4.0	5.8	18	16	11	8.5	10	4.2
8	4.5	6.0	5.0	3.6	4.2	5.4	18	14	9.3	7.5	7.6	4.0
9	4.8	5.8	4.6	4.0	4.4	5.4	12	13	9.0	7.5	6.5	3.4
10	4.8	6.2	4.6	3.8	4.6	5.6	14	11	8.6	7.0	5.2	3.6
11	4.5	6.0	5.0	4.0	4.6	5.4	12	11	8.6	6.0	5.0	4.8
12	4.5	5.0	4.8	4.0	4.4	5.4	13	9.6	9.2	5.0	4.8	6.2
13	5.2	5.6	4.6	3.8	4.2	5.2	15	11	8.6	4.8	5.2	8.2
14	6.8	5.6	4.4	3.6	4.4	5.0	13	11	8.2	4.6	4.2	7.2
15	6.5	5.0	4.0	3.8	4.4	5.0	12	12	8.2	4.6	3.6	5.8
16	6.0	5.0	4.0	4.2	4.4	5.8	12	11	8.2	4.6	5.0	5.2
17	5.8	4.4	4.2	4.2	4.4	5.6	12	14	7.8	4.6	12	4.5
18	5.5	4.2	4.8	4.4	4.2	6.0	12	18	7.6	4.4	20	4.2
19	5.8	4.0	4.8	4.4	4.2	7.0	13	18	8.4	4.4	10	3.8
20	5.4	4.2	4.2	4.0	4.8	8.5	14	20	8.4	4.6	7.6	4.0
21	5.5	4.6	3.8	3.6	4.4	8.0	12	16	8.0	4.4	8.6	4.0
22	5.8	4.6	4.0	4.0	4.4	9.0	10	15	9.0	4.0	7.6	4.2
23	6.0	4.6	4.2	3.8	4.4	11	8.6	16	14	3.6	6.5	4.5
24	6.2	4.8	4.4	3.8	4.4	13	8.6	15	12	3.4	6.5	4.2
25	6.5	4.6	4.2	3.6	4.4	12	7.7	14	10	4.0	6.0	4.0
26	6.8	4.8	4.0	3.8	4.4	14	7.9	14	12	4.0	5.5	4.2
27	6.2	4.0	4.2	3.8	5.0	17	7.9	15	11	4.8	9.3	3.8
28	5.8	3.8	3.6	3.8	5.6	17	8.0	15	11	4.2	10	3.8
29	6.2	3.6	3.6	4.0	6.0	11	9.0	15	11	6.0	9.0	3.6
30	6.2	3.8	3.6	4.4	---	8.0	12	14	9.5	6.8	6.8	3.4
31	6.5	---	3.6	4.4	---	8.0	---	14	---	9.0	6.5	---
TOTAL	171.0	159.4	133.6	121.4	131.0	244.1	346.3	459.6	308.6	181.3	237.4	141.4
MEAN	5.52	5.31	4.31	3.92	4.52	7.87	11.5	14.8	10.3	5.85	7.66	4.71
AC-FT	339	316	265	241	260	484	687	912	612	360	471	280
MAX	6.8	7.9	5.0	4.6	6.0	17	18	20	14	9.0	20	8.2
MIN	4.5	3.6	3.6	3.2	4.0	5.0	7.6	9.6	7.6	3.4	3.6	3.4
CAL YR 1987 TOTAL		9645.5	MEAN	26.4	MAX	188	MIN	2.6	AC-FT	19130		
WTR YR 1988 TOTAL		2635.1	MEAN	7.20	MAX	20	MIN	3.2	AC-FT	5230		

MAX DISCH 26 CFS AT 0530 20-MAY-1988 GH 2.33 FT. SHIFT -0.02 FT. MAX GH 2.33 FT. AT 0530 20-MAY-1988



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO (1989)

LOCATION.--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi<sup>2</sup>.

GAGE.--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

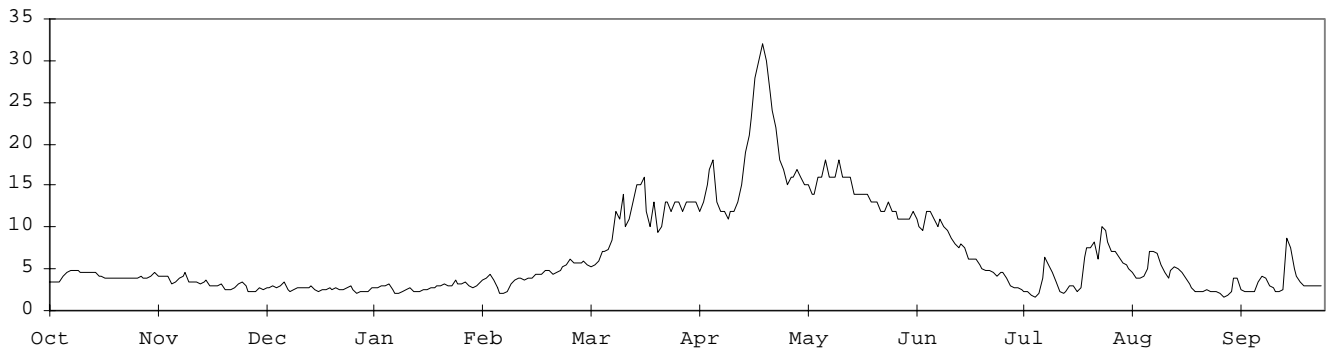
RATING TABLE.--CARLAGC014 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	4.2	2.6	2.7	3.2	5.8	13	16	11	4.5	7.2	2.0
2	3.5	4.2	2.7	2.8	3.6	5.8	13	16	11	3.8	7.2	1.7
3	3.5	4.2	2.8	2.8	4.0	6.0	13	17	11	3.0	6.5	1.9
4	3.5	4.2	3.0	2.9	4.3	5.6	13	16	11	2.8	5.8	2.3
5	4.2	3.3	2.8	3.0	3.6	5.2	12	15	12	2.8	5.5	4.0
6	4.5	3.4	3.0	3.2	2.8	5.4	13	15	11	2.6	5.0	4.0
7	4.8	4.0	3.4	2.6	2.0	6.0	15	14	10	2.3	4.5	2.6
8	4.8	4.2	2.6	2.0	2.0	7.0	17	14	9.6	2.2	4.0	2.3
9	4.8	4.5	2.4	2.0	2.4	7.0	18	16	12	1.9	4.0	2.4
10	4.5	3.4	2.5	2.2	3.2	7.4	13	16	12	1.7	4.2	2.2
11	4.5	3.4	2.7	2.6	3.6	8.4	12	18	11	2.0	5.0	2.3
12	4.5	3.5	2.7	2.8	3.8	12	12	16	10	3.8	7.2	3.5
13	4.5	3.2	2.7	2.2	3.8	11	11	16	11	6.5	7.2	4.2
14	4.5	3.4	2.7	2.2	3.6	14	12	16	10	5.5	6.8	3.8
15	4.2	3.6	2.9	2.4	3.8	10	12	18	9.6	4.5	5.5	3.0
16	4.2	3.0	2.5	2.6	4.0	11	13	16	8.6	3.5	4.5	2.8
17	4.0	2.9	2.3	2.6	4.3	13	15	16	7.9	2.4	4.0	2.4
18	4.0	3.0	2.5	2.7	4.3	15	19	16	7.6	2.0	4.8	2.4
19	4.0	3.1	2.6	2.8	4.4	15	21	14	7.9	2.2	5.2	2.6
20	4.0	2.6	2.7	3.0	4.9	16	23	14	7.6	3.0	5.0	8.7
21	4.0	2.5	2.6	3.0	4.9	12	28	14	6.2	3.0	4.5	7.6
22	4.0	2.6	2.7	3.2	4.4	10	30	14	6.2	2.4	3.8	5.0
23	4.0	2.7	2.5	3.0	4.6	13	32	14	6.2	2.8	3.2	4.2
24	4.0	3.1	2.5	3.0	4.9	9.4	30	13	5.5	6.5	2.8	3.5
25	4.0	3.4	2.8	3.6	5.2	10	26	13	5.0	7.6	2.4	3.0
26	4.0	3.0	3.0	3.2	5.4	13	24	13	4.8	7.6	2.4	3.0
27	4.2	2.4	2.5	3.2	6.2	13	22	12	4.8	8.2	2.3	3.0
28	4.0	2.4	2.1	3.4	5.8	12	18	12	4.5	6.2	2.6	3.0
29	4.0	2.4	2.2	3.0	---	13	17	13	4.2	10	2.4	3.0
30	4.2	2.8	2.2	2.8	---	13	15	12	4.5	9.6	2.2	3.0
31	4.5	---	2.4	3.0	---	12	---	12	---	8.2	2.2	---
TOTAL	128.9	98.6	81.6	86.5	113.0	317.0	532	457	253.7	135.1	139.9	99.4
MEAN	4.16	3.29	2.63	2.79	4.04	10.2	17.7	14.7	8.46	4.36	4.51	3.31
AC-FT	256	196	162	172	224	629	1060	906	503	268	277	197
MAX	4.8	4.5	3.4	3.6	6.2	16	32	18	12	10	7.2	8.7
MIN	3.5	2.4	2.1	2.0	2.0	5.2	11	12	4.2	1.7	2.2	1.7

CAL YR 1988 TOTAL 2480.2 MEAN 6.78 MAX 20 MIN 2.1 AC-FT 4920  
WTR YR 1989 TOTAL 2442.7 MEAN 6.69 MAX 32 MIN 1.7 AC-FT 4850

MAX DISCH 41 CFS AT 1730 29-JUL-1989 GH 3.33 FT. SHIFT -0.84 FT. MAX GH 3.33 FT. AT 1730 29-JUL-1989



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO (1990)

LOCATION.--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi<sup>2</sup>.

GAGE.--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

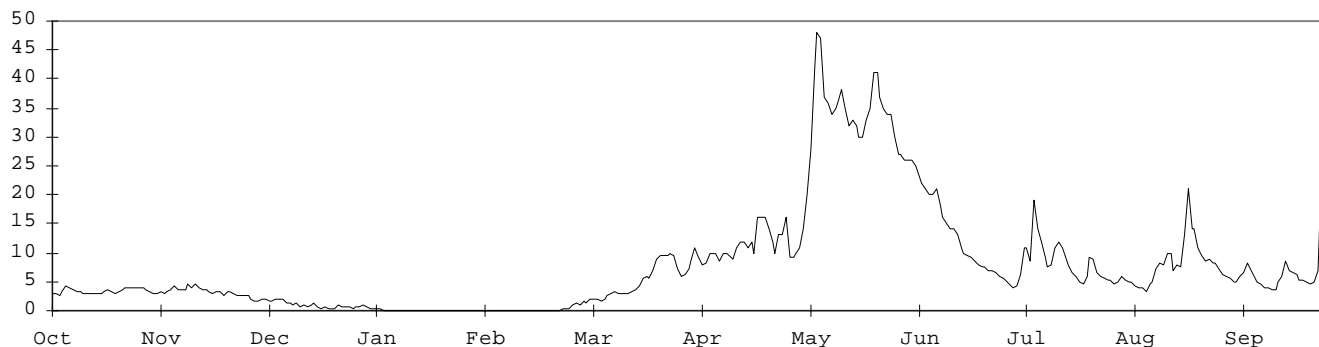
RATING TABLE.--CARLAGCO14 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	3.3	1.9	0.20	0.0	1.1	7.2	9.3	27	5.2	4.5	6.2
2	2.8	3.1	1.7	0.20	0.0	1.5	8.4	10	26	4.5	4.8	5.8
3	2.6	3.3	1.7	0.40	0.0	1.4	11	11	26	4.0	6.0	5.5
4	3.2	3.5	2.1	0.0	0.0	1.9	9.3	14	26	4.2	5.2	5.0
5	4.2	4.2	2.1	0.0	0.0	2.1	8.0	20	25	6.2	4.8	5.0
6	4.0	3.7	2.1	0.0	0.0	2.0	8.2	28	23	11	4.8	6.0
7	3.5	3.7	1.4	0.0	0.0	1.8	10	42	22	11	4.2	6.5
8	3.2	3.5	1.3	0.0	0.0	2.1	10	48	21	8.5	3.8	8.2
9	3.2	4.5	1.0	0.0	0.0	2.5	10	47	20	19	3.8	6.8
10	3.0	4.0	1.4	0.0	0.0	2.9	8.7	37	20	14	3.2	5.5
11	2.8	4.5	0.70	0.0	0.0	3.3	10	36	21	12	4.5	4.8
12	2.8	3.8	0.90	0.0	0.0	3.1	10	34	18	9.3	4.8	4.5
13	2.8	3.7	0.50	0.0	0.0	3.0	9.3	35	16	7.6	7.3	4.0
14	3.0	3.5	1.1	0.0	0.0	2.9	8.8	36	15	7.9	8.2	3.8
15	2.8	3.3	1.3	0.0	0.0	3.1	11	38	14	11	7.9	3.5
16	3.2	2.8	0.80	0.0	0.0	3.3	12	35	14	12	10	3.5
17	3.5	3.2	0.20	0.0	0.0	3.7	12	32	13	11	10	5.0
18	3.2	3.2	0.70	0.0	0.0	4.3	11	33	11	9.0	6.8	5.8
19	3.1	2.6	0.40	0.0	0.0	5.5	12	32	10	7.9	7.9	8.6
20	3.3	3.2	0.40	0.0	0.0	5.8	9.8	30	9.6	6.5	7.6	6.8
21	3.5	3.2	0.40	0.0	0.0	5.6	16	30	9.3	5.8	13	6.5
22	4.0	2.8	0.90	0.0	0.0	7.0	16	33	8.6	5.0	21	6.2
23	4.0	2.5	0.60	0.0	0.0	9.0	16	35	7.9	4.5	14	5.2
24	3.8	2.5	0.70	0.0	0.20	9.4	14	41	7.6	6.0	14	5.2
25	3.8	2.6	0.50	0.0	0.30	9.4	12	41	7.6	9.3	11	4.8
26	4.0	2.7	0.40	0.0	0.40	9.6	10	37	6.8	9.0	9.6	4.5
27	3.9	2.1	0.50	0.0	1.0	10	13	35	6.8	6.5	8.6	4.8
28	3.5	1.7	0.50	0.0	1.2	9.7	13	34	6.5	6.0	9.0	7.0
29	3.2	1.7	0.90	0.0	---	7.2	16	34	6.0	5.5	8.2	16
30	3.0	1.9	0.60	0.0	---	6.0	9.3	30	5.5	5.2	8.2	12
31	2.9	---	0.30	0.0	---	6.4	---	27	---	5.2	7.2	---
TOTAL	102.6	94.3	30.00	0.80	3.10	146.6	332.0	984.3	450.2	249.8	243.9	183.0
MEAN	3.31	3.14	0.97	0.03	0.11	4.73	11.1	31.8	15.0	8.06	7.87	6.10
AC-FT	204	187	60	1.6	6.1	291	659	1950	893	495	484	363
MAX	4.2	4.5	2.1	0.40	1.2	10	16	48	27	19	21	16
MIN	2.6	1.7	0.20	0.0	0.0	1.1	7.2	9.3	5.5	4.0	3.2	3.5

CAL YR 1989 TOTAL 2360.50 MEAN 6.47 MAX 32 MIN 0.20 AC-FT 4680  
WTR YR 1990 TOTAL 2820.60 MEAN 7.73 MAX 48 MIN 0.00 AC-FT 5590

MAX DISCH 67 CFS AT 0230 09-MAY-1990 GH 3.59 FT. SHIFT -0.87 FT. MAX GH 3.59 FT. AT 0230 09-MAY-1990



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO (1982)

**LOCATION.**--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

**DRAINAGE AREA.**--61 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

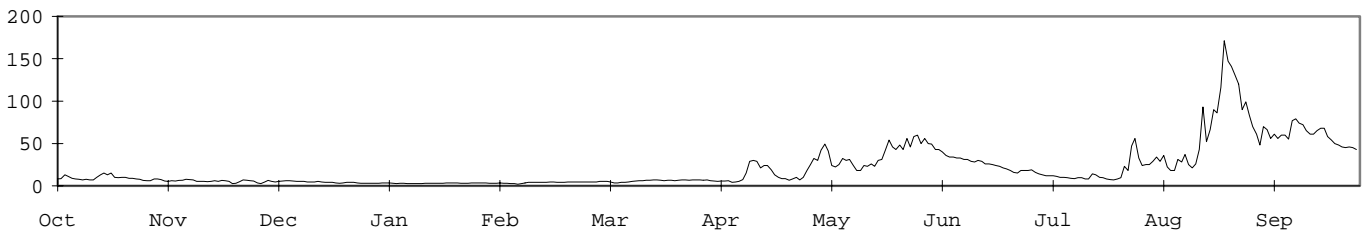
**RATING TABLE.**--LAGLAGCO12 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	5.3	4.5	3.5	3.0	4.5	7.0	32	56	19	24	70
2	8.5	5.9	5.0	3.5	3.5	5.0	6.0	30	50	16	25	61
3	13	5.6	5.5	3.0	3.0	5.0	5.5	42	49	14	25	48
4	11	6.2	6.0	2.5	3.0	5.0	5.0	49	43	13	29	70
5	9.0	6.6	6.0	3.0	2.5	4.5	5.5	41	43	12	34	66
6	8.1	7.7	5.5	3.0	2.5	3.5	5.5	24	40	12	29	56
7	7.7	7.3	5.0	2.5	2.0	3.5	6.0	22	36	12	36	61
8	7.0	7.0	5.0	2.5	2.5	4.0	4.0	25	34	11	22	56
9	7.7	5.3	5.0	2.5	3.5	4.0	4.4	32	34	10	18	60
10	7.0	5.0	4.5	2.5	4.0	4.5	5.0	30	33	10	18	60
11	7.0	5.3	4.5	2.5	4.0	5.0	7.3	31	33	9.5	31	55
12	10	4.7	4.5	3.0	4.0	5.5	15	24	31	9.0	28	77
13	13	5.0	5.0	3.0	4.0	6.0	29	18	31	8.5	37	79
14	15	5.9	4.5	3.0	4.0	6.0	30	18	29	9.5	25	74
15	13	5.3	4.0	3.0	4.0	6.5	29	24	28	9.5	21	72
16	15	6.2	4.0	3.0	4.5	6.5	21	23	30	8.1	26	65
17	10	5.9	4.0	3.0	4.5	7.0	24	26	29	8.1	43	61
18	9.5	5.0	3.5	3.5	4.0	7.0	24	23	26	14	93	61
19	10	2.5	3.0	3.5	4.0	6.5	19	30	26	13	52	65
20	10	2.9	3.5	3.5	4.0	6.0	13	31	25	10	66	68
21	9.0	4.7	4.0	3.5	4.5	6.5	10	42	24	9.5	90	68
22	9.0	7.0	4.0	3.0	4.5	6.5	8.5	54	23	8.1	86	58
23	8.1	6.6	4.0	3.0	4.5	6.0	8.5	46	21	7.3	116	54
24	7.7	5.9	3.5	3.0	4.5	6.5	6.6	43	20	7.0	171	50
25	6.2	5.6	3.0	3.5	4.5	7.0	8.1	48	18	8.1	147	48
26	5.9	3.4	3.0	3.5	4.5	7.0	10	43	16	9.5	141	46
27	5.9	2.5	3.0	3.5	4.5	6.5	7.0	56	15	23	131	45
28	8.1	4.4	3.0	3.5	4.5	7.0	10	46	18	18	120	46
29	8.1	6.2	3.0	3.5	---	7.0	18	58	18	47	90	45
30	7.3	5.0	3.0	3.0	---	7.0	25	60	18	56	99	43
31	5.6	---	3.5	3.0	---	6.5	---	50	---	33	83	---
TOTAL	280.5	161.9	129.5	95.5	106.5	179.0	376.9	1121	897	454.7	1956	1788
MEAN	9.05	5.40	4.18	3.08	3.80	5.77	12.6	36.2	29.9	14.7	63.1	59.6
AC-FT	556	321	257	189	211	355	748	2220	1780	902	3880	3550
MAX	15	7.7	6.0	3.5	4.5	7.0	30	60	56	56	171	79
MIN	5.6	2.5	3.0	2.5	2.0	3.5	4.0	18	15	7.0	18	43

CAL YR 1981 TOTAL 2380.0 MEAN 6.52 MAX 28 MIN 1.0 AC-FT 4720  
WTR YR 1982 TOTAL 7546.5 MEAN 20.7 MAX 171 MIN 2.0 AC-FT 14970

MAX DISCH 296 CFS AT 2300 23-AUG-1982 GH 3.51 FT. SHIFT 0.00 FT. MAX GH 3.51 FT. AT 2300 23-AUG-1982



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO (1983)

**LOCATION.**--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

**DRAINAGE AREA.**--61 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

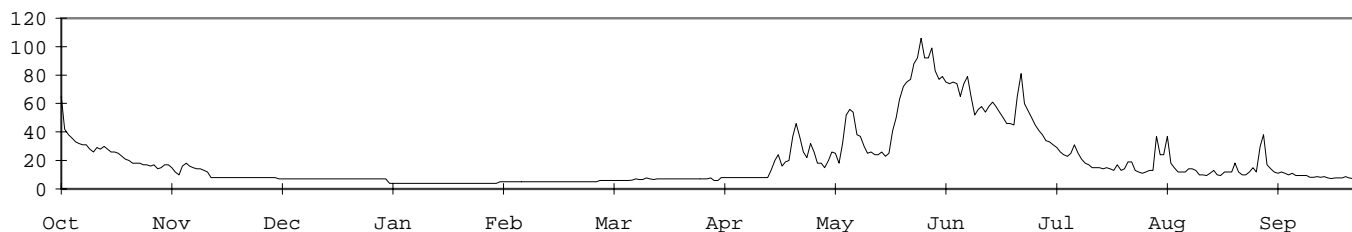
**RATING TABLE.**--LAGLAGCO12 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	15	7.0	4.0	5.0	6.0	7.7	18	92	45	12	12
2	42	12	7.0	4.0	5.0	6.0	5.9	18	99	41	13	30
3	38	10	7.0	4.0	5.0	6.0	5.9	15	83	38	13	38
4	36	16	7.0	4.0	5.0	6.0	8.0	20	77	34	37	17
5	33	18	7.0	4.0	5.0	6.0	8.0	26	79	33	24	14
6	32	16	7.0	4.0	5.0	6.0	8.0	25	75	31	24	12
7	31	15	7.0	4.0	5.0	6.0	8.0	18	74	29	37	11
8	31	14	7.0	4.0	5.0	6.0	8.0	32	75	26	18	12
9	28	14	7.0	4.0	5.0	5.9	8.0	52	74	24	15	11
10	26	13	7.0	4.0	5.0	6.2	8.0	56	65	23	12	10
11	29	12	7.0	4.0	5.0	7.0	8.0	54	74	25	12	11
12	28	8.0	7.0	4.0	5.0	6.6	8.0	38	79	31	12	9.5
13	30	8.0	7.0	4.0	5.0	6.6	8.0	37	65	25	14	9.5
14	28	8.0	7.0	4.0	5.0	7.7	8.0	30	52	21	14	9.5
15	26	8.0	7.0	4.0	5.0	7.0	8.0	25	56	18	13	9.5
16	26	8.0	7.0	4.0	5.0	6.6	8.0	26	58	17	10	8.1
17	25	8.0	7.0	4.0	5.0	7.0	8.0	24	54	15	10	8.1
18	23	8.0	7.0	4.0	5.0	7.0	13	24	58	15	9.5	8.5
19	21	8.0	7.0	4.0	5.0	7.0	20	26	61	15	11	8.1
20	20	8.0	7.0	4.0	5.0	7.0	24	23	58	14	13	8.5
21	18	8.0	7.0	4.0	5.0	7.0	16	25	54	15	10	7.7
22	18	8.0	7.0	4.0	5.0	7.0	19	41	50	14	9.5	7.3
23	18	8.0	7.0	4.0	5.0	7.0	20	50	46	13	12	7.7
24	17	8.0	7.0	4.0	5.0	7.0	37	63	46	17	12	7.7
25	17	8.0	7.0	4.0	5.0	7.0	46	72	45	13	12	7.7
26	16	8.0	7.0	4.0	5.0	7.0	36	75	65	14	18	8.5
27	17	8.0	7.0	4.0	5.0	7.0	26	77	81	19	12	7.7
28	14	8.0	7.0	4.0	5.0	7.0	22	88	60	19	10	7.3
29	15	8.0	7.0	4.0	---	7.0	32	92	55	13	10	7.7
30	17	8.0	7.0	4.0	---	7.0	26	106	50	12	12	12
31	17	---	7.0	4.0	---	7.0	---	92	---	11	15	---
TOTAL	802	307.0	217.0	124.0	140.0	206.6	468.5	1368	1960	680	456.0	338.6
MEAN	25.9	10.2	7.00	4.00	5.00	6.66	15.6	44.1	65.3	21.9	14.7	11.3
AC-FT	1590	609	430	246	278	410	929	2710	3890	1350	904	672
MAX	65	18	7.0	4.0	5.0	7.7	46	106	99	45	37	38
MIN	14	8.0	7.0	4.0	5.0	5.9	5.9	15	45	11	9.5	7.3

CAL YR 1982 TOTAL 8300.6 MEAN 22.7 MAX 171 MIN 2.0 AC-FT 16460  
WTR YR 1983 TOTAL 7067.7 MEAN 19.4 MAX 106 MIN 4.0 AC-FT 14020

MAX DISCH 115 CFS AT 0700 30-MAY-1983 GH 3.04 FT. SHIFT 0.01 FT. MAX GH 3.04 FT. AT 0700 30-MAY-1983



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO (1984)

LOCATION.--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

DRAINAGE AREA.--61 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

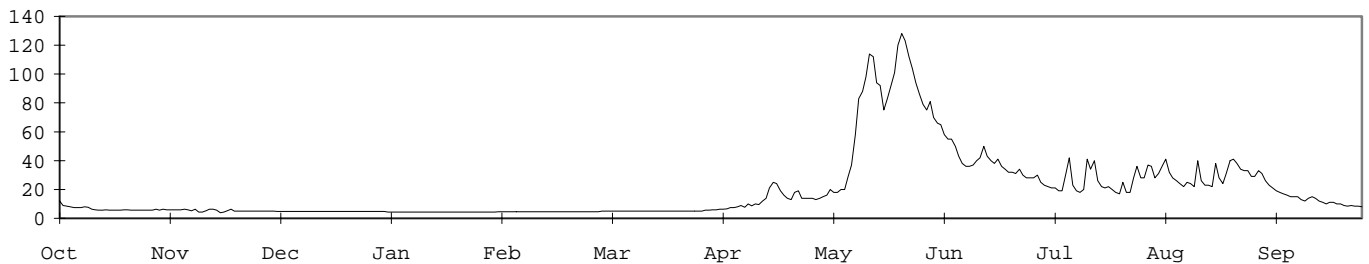
RATING TABLE.--LAGLAGCO12 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	5.9	4.8	4.3	4.5	5.0	5.9	14	81	30	37	33
2	9.0	5.9	4.8	4.3	4.5	5.0	5.9	15	70	25	36	31
3	8.5	5.9	4.8	4.3	4.5	5.0	6.2	16	66	23	28	26
4	8.1	5.9	4.8	4.3	4.5	5.0	6.2	20	65	22	31	23
5	7.3	6.2	4.8	4.3	4.5	5.0	6.6	18	58	21	36	21
6	7.3	5.9	4.8	4.3	4.5	5.0	7.3	18	55	21	41	19
7	7.3	5.3	4.8	4.3	4.5	5.0	7.3	20	55	19	32	18
8	8.1	6.2	4.8	4.3	4.5	5.0	8.0	20	50	19	28	17
9	7.7	4.4	4.8	4.3	4.5	5.0	9.0	29	43	31	26	16
10	6.2	4.4	4.8	4.3	4.5	5.0	7.6	37	38	42	24	15
11	5.9	5.3	4.8	4.3	4.5	5.0	10	58	36	23	22	15
12	5.6	6.2	4.8	4.3	4.5	5.0	8.7	83	36	19	25	15
13	5.6	6.2	4.8	4.3	4.5	5.0	10	88	37	18	24	13
14	5.9	5.6	4.8	4.3	4.5	5.0	9.5	98	40	20	22	12
15	5.6	3.8	4.8	4.3	4.5	5.0	12	114	42	41	40	14
16	5.6	4.4	4.8	4.3	4.5	5.0	14	112	50	34	26	15
17	5.6	5.3	4.8	4.3	4.5	5.0	21	94	43	40	23	14
18	5.6	6.2	4.8	4.3	4.5	5.0	25	92	40	26	23	12
19	5.9	5.0	4.8	4.3	4.5	5.0	24	75	38	22	22	11
20	5.9	5.0	4.8	4.3	4.5	5.0	19	83	41	21	38	10
21	5.6	5.0	4.8	4.3	4.5	5.0	16	92	36	22	28	11
22	5.6	5.0	4.8	4.3	4.5	5.0	14	101	34	20	24	11
23	5.6	5.0	4.8	4.3	4.5	5.0	13	120	32	18	31	10
24	5.6	5.0	4.8	4.3	4.5	5.0	18	128	32	17	40	10
25	5.6	5.0	4.8	4.3	4.5	5.0	19	123	31	25	41	9.0
26	5.6	5.0	4.8	4.3	4.5	5.0	14	112	34	18	38	8.5
27	5.6	5.0	4.8	4.3	4.5	5.0	14	104	30	18	34	9.0
28	6.2	5.0	4.8	4.3	4.5	5.0	14	94	28	28	33	8.5
29	5.6	5.0	4.8	4.3	4.5	5.0	14	86	28	36	33	8.5
30	6.2	5.0	4.8	4.3	---	5.6	13	79	28	28	29	8.1
31	5.9	---	4.8	4.3	---	5.6	---	75	---	28	29	---
TOTAL	201.8	159.0	148.8	133.3	130.5	156.2	372.2	2218	1297	775	944	443.6
MEAN	6.51	5.30	4.80	4.30	4.50	5.04	12.4	71.5	43.2	25.0	30.5	14.8
AC-FT	400	315	295	264	259	310	738	4400	2570	1540	1870	880
MAX	12	6.2	4.8	4.3	4.5	5.6	25	128	81	42	41	33
MIN	5.6	3.8	4.8	4.3	4.5	5.0	5.9	14	28	17	22	8.1

CAL YR 1983 TOTAL 6251.3 MEAN 17.1 MAX 106 MIN 3.8 AC-FT 12400  
WTR YR 1984 TOTAL 6979.4 MEAN 19.1 MAX 128 MIN 3.8 AC-FT 13840

MAX DISCH 164 CFS AT 2330 15-MAY-1984 GH 3.18 FT. SHIFT 0.03 FT. MAX GH 3.18 FT. AT 2330 15-MAY-1984



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO (1985)

**LOCATION.**--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

**DRAINAGE AREA.**--61 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

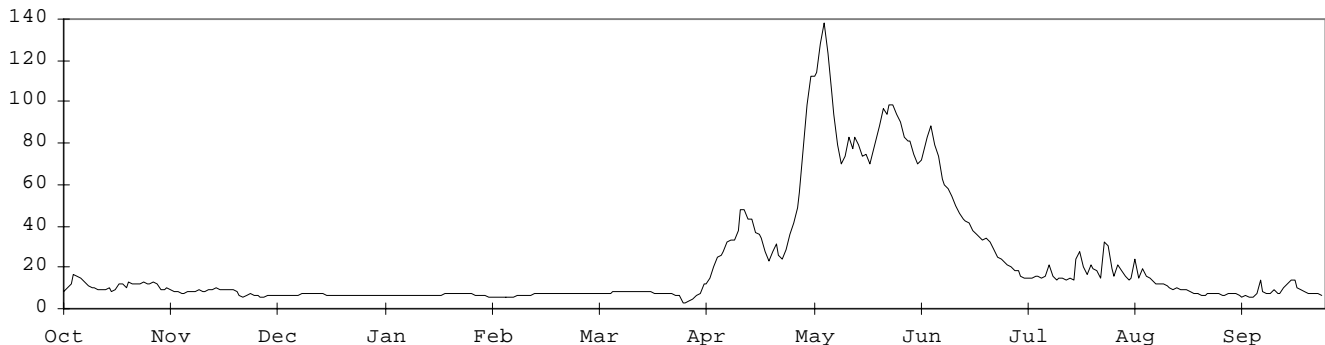
**RATING TABLE.**--LAGLAGCO12 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	9.5	6.5	6.5	5.5	7.5	5.0	49	83	21	16	6.6
2	10	8.1	6.5	6.5	5.5	7.5	6.2	56	81	20	21	6.6
3	12	8.5	6.5	6.5	5.5	7.5	7.7	77	81	18	18	7.0
4	17	7.3	6.5	6.5	5.5	7.5	12	99	75	18	16	7.3
5	16	7.3	6.5	6.5	5.5	7.5	12	112	70	16	14	7.0
6	15	8.5	6.5	6.5	5.5	7.5	15	112	72	15	15	6.2
7	13	8.0	6.5	6.5	5.5	7.5	20	114	79	15	24	5.9
8	11	8.5	6.5	6.5	5.5	7.5	25	128	83	15	15	6.2
9	10	9.0	7.0	6.5	6.5	8.0	26	138	88	16	19	5.9
10	10	8.5	7.0	6.0	6.5	8.0	28	123	79	16	16	5.9
11	9.5	8.0	7.0	6.0	6.5	8.0	32	104	74	15	15	7.4
12	9.5	9.0	7.0	6.0	6.5	8.0	33	94	63	16	14	14
13	9.5	9.5	7.0	6.0	6.5	8.0	33	79	60	21	12	8.1
14	10	10	7.0	6.0	7.5	8.0	38	70	58	16	12	7.0
15	8.1	9.5	7.0	6.0	7.5	8.0	48	74	54	14	12	7.3
16	9.0	9.0	6.0	6.0	7.5	8.0	48	83	50	15	11	9.0
17	12	9.0	6.0	6.0	7.5	8.0	43	77	46	15	10	7.3
18	12	9.5	6.0	6.0	7.5	8.0	43	83	43	14	9.5	7.3
19	10	9.0	6.0	7.0	7.5	8.0	37	79	42	15	10	10
20	13	8.0	6.0	7.0	7.5	8.0	36	74	41	14	9.0	12
21	12	6.5	6.0	7.0	7.5	7.0	34	75	38	24	9.5	14
22	12	5.8	6.0	7.0	7.5	7.0	28	70	36	28	9.0	14
23	12	6.8	6.0	7.0	7.5	7.0	23	74	34	20	8.1	10
24	13	7.5	6.0	7.0	7.0	7.0	28	81	33	17	7.3	9.5
25	12	6.0	6.0	7.0	7.0	7.0	31	88	34	21	7.3	8.1
26	12	6.0	6.0	7.0	7.0	7.0	26	97	32	19	6.6	7.3
27	13	5.8	6.5	7.0	7.0	6.6	24	94	29	18	6.6	7.0
28	12	5.7	6.5	6.0	7.0	6.2	29	99	25	15	7.0	7.0
29	9.5	6.0	6.5	6.0	---	3.1	36	99	24	32	7.3	7.7
30	9.5	6.4	6.5	6.0	---	3.0	41	94	23	30	7.3	6.6
31	10	---	6.5	6.0	---	4.0	---	90	---	19	7.0	---
TOTAL	352.1	236.2	199.5	199.5	186.5	220.9	847.9	2786	1630	568	371.5	245.2
MEAN	11.4	7.87	6.44	6.44	6.66	7.13	28.3	89.9	54.3	18.3	12.0	8.17
AC-FT	698	469	396	396	370	438	1680	5530	3230	1130	737	486
MAX	17	10	7.0	7.0	7.5	8.0	48	138	88	32	24	14
MIN	8.1	5.7	6.0	6.0	5.5	3.0	5.0	49	23	14	6.6	5.9

CAL YR 1984 TOTAL 7257.6 MEAN 19.8 MAX 128 MIN 4.3 AC-FT 14400  
WTR YR 1985 TOTAL 7843.3 MEAN 21.5 MAX 138 MIN 3.0 AC-FT 15560

MAX DISCH 171 CFS AT 0230 09-MAY-1985 GH 3.16 FT. SHIFT +0.07 FT. MAX GH 3.16 FT. AT 0230 09-MAY-1985



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO (1986)

LOCATION.--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

DRAINAGE AREA.--61 mi<sup>2</sup>.

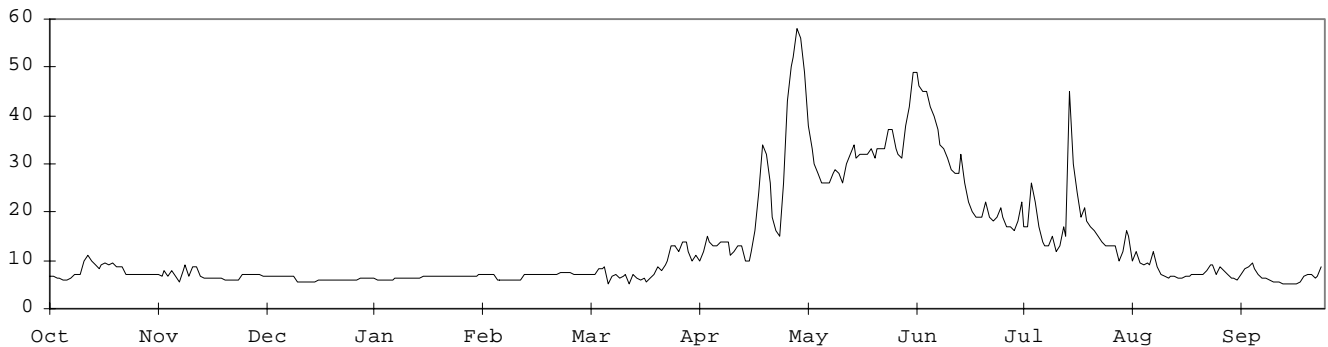
GAGE.--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

RATING TABLE.--LAGLAGCO12 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	7.0	6.8	6.2	7.0	7.0	14	50	32	19	13	8.5
2	6.6	6.6	6.8	6.2	7.0	7.0	12	52	31	17	13	7.7
3	6.2	7.8	6.8	6.0	7.0	7.0	10	58	38	17	10	7.0
4	6.2	6.8	6.8	6.0	7.0	7.0	11	56	42	16	12	6.2
5	5.9	7.7	6.8	6.0	7.0	7.0	9.9	49	49	18	16	6.2
6	5.9	6.6	6.8	6.0	6.0	7.0	12	38	49	22	15	5.9
7	6.2	5.6	6.6	6.0	6.0	8.1	15	33	46	17	10	7.3
8	7.3	7.7	6.6	6.2	6.0	8.1	14	30	45	17	12	8.1
9	7.3	9.0	6.6	6.2	6.0	8.5	13	28	45	26	9.5	8.5
10	7.3	6.6	6.6	6.2	5.8	5.3	13	26	42	22	9.0	9.5
11	10	8.5	5.6	6.2	5.8	6.6	14	26	40	17	9.5	8.1
12	11	8.5	5.6	6.2	5.8	7.0	14	26	37	14	9.0	7.0
13	10	6.6	5.6	6.2	5.8	6.2	14	28	34	13	12	6.2
14	9.0	6.2	5.6	6.2	7.2	6.6	11	29	33	13	8.5	6.2
15	8.2	6.2	5.6	6.2	7.2	7.0	12	28	31	15	7.3	5.9
16	9.0	6.2	5.6	6.6	7.2	5.3	13	26	29	12	6.6	5.6
17	9.5	6.2	5.8	6.6	7.2	7.0	13	30	28	13	6.2	5.6
18	9.0	6.2	5.8	6.6	7.2	6.2	10	32	28	17	6.6	5.6
19	9.5	6.2	5.8	6.6	7.0	5.9	10	34	32	15	6.6	5.3
20	8.5	6.0	5.8	6.6	7.0	6.2	12	31	26	45	6.2	5.3
21	8.5	6.0	6.0	6.6	7.0	5.6	16	32	22	30	6.2	5.0
22	8.5	6.0	6.0	6.6	7.0	6.2	24	32	20	24	6.6	5.0
23	7.3	6.0	6.0	6.6	7.0	7.3	34	32	19	19	6.6	5.3
24	7.3	6.0	6.0	6.8	7.4	8.5	32	33	19	21	7.0	5.6
25	7.3	7.0	6.0	6.8	7.4	7.7	26	31	19	18	7.0	6.6
26	7.3	7.0	6.0	6.8	7.4	9.0	19	33	22	17	7.3	7.0
27	7.0	7.0	6.0	6.8	7.4	10	16	33	19	16	7.0	7.0
28	7.0	7.0	6.0	6.8	7.0	13	15	33	18	15	7.7	6.2
29	7.3	7.0	6.2	6.8	---	13	26	37	19	14	9.0	6.6
30	7.3	7.0	6.2	6.8	---	12	43	37	21	13	9.0	8.5
31	7.3	---	6.2	6.8	---	14	---	33	---	13	7.3	---
TOTAL	241.3	204.2	190.6	199.2	189.8	242.3	497.9	1076	935	565	278.7	198.5
MEAN	7.78	6.81	6.15	6.43	6.78	7.82	16.6	34.7	31.2	18.2	8.99	6.62
AC-FT	479	405	378	395	376	481	988	2130	1850	1120	553	394
MAX	11	9.0	6.8	6.8	7.4	14	43	58	49	45	16	9.5
MIN	5.9	5.6	5.6	6.0	5.8	5.3	9.9	26	18	12	6.2	5.0
CAL YR 1985 TOTAL		7691.6	MEAN	21.1	MAX	138	MIN	3.0	AC-FT	15260		
WTR YR 1986 TOTAL		4818.5	MEAN	13.2	MAX	58	MIN	5.0	AC-FT	9560		

MAX DISCH 88 CFS AT 0100 04-MAY-1986 GH 2.87 FT. SHIFT +0.07 FT. MAX GH 2.87 FT. AT 0100 04-MAY-1986



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO (1987)

**LOCATION.**--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

**DRAINAGE AREA.**--61 mi<sup>2</sup>.

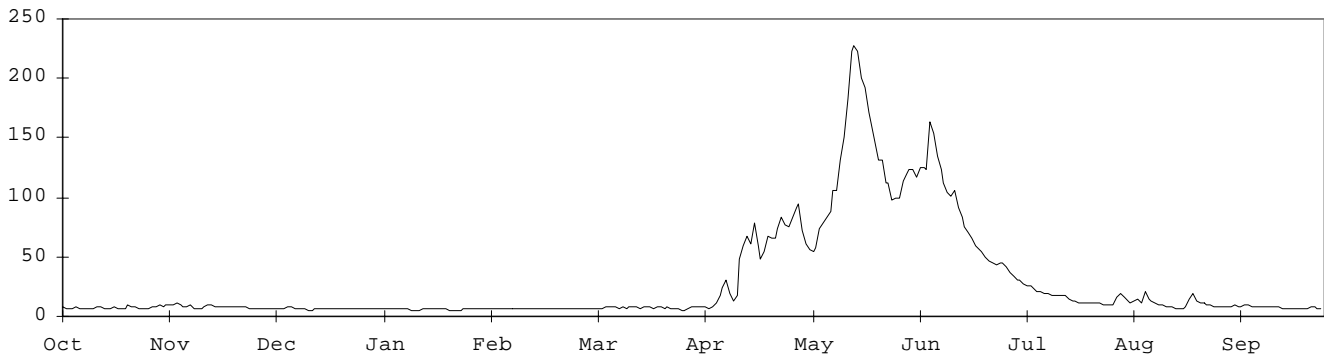
**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

**RATING TABLE.**--LAGLAGCO12 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	9.5	7.0	5.8	6.4	6.0	7.3	92	114	42	10	7.7
2	7.0	9.5	6.6	5.8	6.4	6.4	7.7	94	120	37	16	8.5
3	7.0	12	6.6	6.0	6.4	6.6	8.5	72	123	33	20	8.1
4	7.0	10	6.6	6.0	6.6	6.8	8.5	61	123	31	16	8.5
5	7.3	7.3	7.3	6.0	6.6	6.8	8.1	56	117	30	13	10
6	7.0	7.7	7.3	6.0	6.6	7.0	7.0	55	125	28	11	8.5
7	7.0	9.5	6.6	6.4	6.2	7.4	8.1	58	125	25	13	8.1
8	6.6	5.9	6.2	6.4	6.2	7.4	12	74	123	25	15	9.5
9	6.6	6.2	6.2	6.4	6.2	7.6	17	79	164	23	12	10
10	6.6	6.6	5.8	5.6	6.2	7.6	24	83	154	21	21	8.5
11	7.3	8.5	5.6	5.6	6.2	7.2	31	88	134	21	14	7.7
12	7.3	10	5.6	5.6	7.0	7.4	20	106	123	20	13	7.7
13	5.8	9.0	5.8	6.2	7.0	7.2	13	106	112	19	12	7.3
14	7.1	8.4	5.8	6.2	7.0	7.4	18	131	104	18	10	7.3
15	7.1	8.0	6.0	6.2	6.6	7.4	48	150	101	18	9.5	7.7
16	7.7	8.2	6.2	6.2	6.6	7.6	60	182	106	18	8.5	7.7
17	7.0	8.0	6.4	5.8	6.6	7.0	68	223	92	17	7.7	7.3
18	7.0	8.4	6.2	5.8	6.6	7.4	61	227	83	17	7.7	7.3
19	6.6	8.5	5.8	5.8	6.6	7.6	79	223	75	15	7.0	6.6
20	9.0	8.1	5.8	5.8	6.2	7.7	60	201	70	13	7.0	6.6
21	8.1	7.7	6.0	5.4	6.2	7.0	48	193	65	13	7.0	6.6
22	7.3	7.7	6.0	5.4	6.0	7.7	55	171	60	12	7.7	6.6
23	6.7	8.0	5.8	5.4	6.0	7.3	68	164	56	12	15	6.2
24	6.9	6.4	6.0	5.4	6.0	7.2	66	147	54	12	19	6.2
25	6.9	6.6	6.0	6.0	6.8	7.4	66	131	49	12	13	6.2
26	7.1	6.8	6.0	6.0	6.8	6.6	74	131	46	11	12	6.6
27	7.4	6.4	5.8	6.0	6.0	6.6	83	112	45	11	11	7.3
28	7.9	6.6	5.8	6.0	6.0	6.2	77	112	43	12	10	7.3
29	9.0	6.6	6.2	6.2	---	5.6	75	97	45	10	9.5	7.0
30	8.5	7.0	6.0	6.2	---	5.0	83	99	45	10	8.1	6.6
31	9.0	---	6.0	6.2	---	6.4	---	99	---	10	7.7	---
TOTAL	226.9	239.1	191.0	183.8	180.0	216.5	1261.2	3817	2796	596	363.4	227.2
MEAN	7.32	7.97	6.16	5.93	6.43	6.98	42.0	123	93.2	19.2	11.7	7.57
AC-FT	450	474	379	365	357	429	2500	7570	5550	1180	721	451
MAX	9.0	12	7.3	6.4	7.0	7.7	83	227	164	42	21	10
MIN	5.8	5.9	5.6	5.4	6.0	5.0	7.0	55	43	10	7.0	6.2
CAL YR 1986 TOTAL		4839.4	MEAN	13.3	MAX	58	MIN	5.0	AC-FT	9600		
WTR YR 1987 TOTAL		10298.1	MEAN	28.2	MAX	227	MIN	5.0	AC-FT	20430		

MAX DISCH 280 CFS AT 2345 16-MAY-1987 GH 3.40 FT. SHIFT +0.08 FT. MAX GH 3.40 FT. AT 2345 16-MAY-1987



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO (1988)

LOCATION.--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

DRAINAGE AREA.--61 mi<sup>2</sup>.

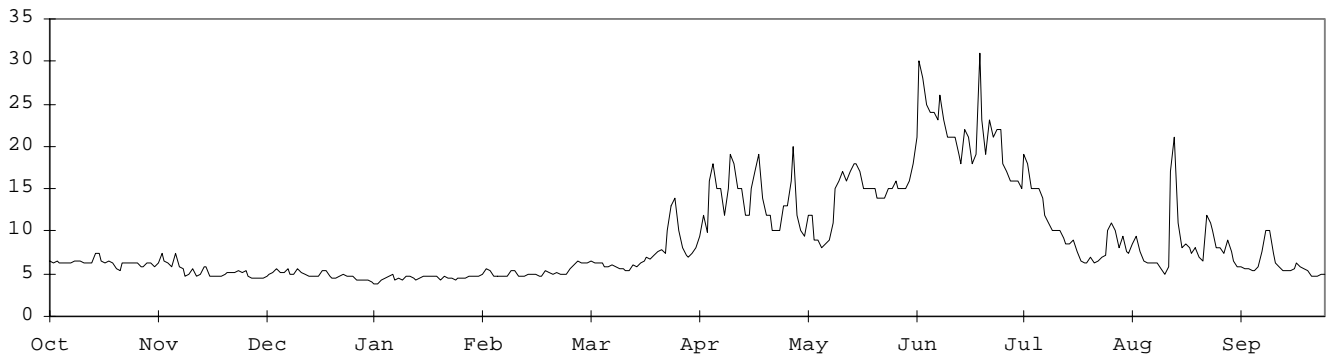
GAGE.--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

RATING TABLE.--LAGLAGCO12 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	6.2	4.4	4.0	4.8	6.2	7.0	20	15	17	10	7.3
2	6.2	7.3	4.8	3.8	5.0	6.2	7.3	12	15	16	8.1	9.0
3	6.6	6.6	5.0	3.8	5.6	6.2	8.1	10	16	16	9.5	7.7
4	6.2	6.2	5.2	4.2	5.4	6.4	9.5	9.5	18	16	7.7	6.6
5	6.2	5.9	5.6	4.4	4.6	6.2	12	12	21	15	7.3	5.9
6	6.2	7.3	5.2	4.8	4.6	6.2	9.8	12	30	19	8.5	5.9
7	6.2	5.9	5.2	5.0	4.6	6.2	16	9.0	28	18	9.5	5.6
8	6.6	5.6	5.6	4.2	4.6	5.8	18	9.0	25	15	7.7	5.6
9	6.6	4.7	5.0	4.4	4.8	5.8	15	8.0	24	15	6.6	5.3
10	6.6	5.0	5.0	4.2	5.4	6.0	15	8.5	24	15	6.2	5.3
11	6.2	5.6	5.6	4.6	5.4	5.8	12	9.0	23	14	6.2	5.9
12	6.2	4.7	5.2	4.6	4.8	5.6	15	11	26	12	6.2	7.7
13	6.2	5.0	5.0	4.4	4.6	5.6	19	15	23	11	6.2	10
14	7.3	5.9	4.8	4.2	4.8	5.4	18	16	21	10	5.6	10
15	7.3	5.9	4.6	4.4	5.0	5.4	15	17	21	10	5.0	7.3
16	6.6	4.8	4.6	4.6	5.0	6.0	15	16	21	10	5.9	6.2
17	6.2	4.8	4.8	4.6	5.0	5.8	12	17	19	9.2	17	5.9
18	6.6	4.6	5.4	4.8	4.8	6.2	12	18	18	8.5	21	5.3
19	6.2	4.6	5.4	4.8	4.8	6.6	15	18	22	8.5	11	5.3
20	5.7	5.0	4.8	4.6	5.4	7.0	17	17	21	9.0	8.1	5.3
21	5.3	5.2	4.4	4.2	5.2	6.8	19	15	18	7.7	8.5	5.6
22	6.2	5.2	4.4	4.6	5.0	7.2	14	15	19	6.6	8.1	6.2
23	6.2	5.2	4.8	4.4	5.2	7.6	12	15	31	6.2	7.3	5.9
24	6.2	5.4	5.0	4.4	5.0	7.8	12	15	23	6.2	8.1	5.6
25	6.2	5.2	4.8	4.2	5.0	7.3	10	14	19	7.0	7.0	5.3
26	6.2	5.4	4.6	4.4	5.0	10	10	14	23	6.2	6.6	4.7
27	5.9	4.6	4.8	4.4	5.6	13	10	14	21	6.6	12	4.7
28	5.9	4.4	4.2	4.4	6.0	14	13	15	22	7.0	11	4.7
29	6.2	4.4	4.2	4.6	6.4	10	13	15	22	7.2	10	5.0
30	6.2	4.4	4.2	4.8	---	8.0	16	16	18	10	8.1	5.0
31	5.9	---	4.2	4.8	---	7.2	---	15	---	11	8.1	---
TOTAL	194.9	161.0	150.8	137.6	147.4	219.5	396.7	427.0	647	345.9	268.1	185.8
MEAN	6.29	5.37	4.86	4.44	5.08	7.08	13.2	13.8	21.6	11.2	8.65	6.19
AC-FT	387	319	299	273	292	435	787	847	1280	686	532	369
MAX	7.3	7.3	5.6	5.0	6.4	14	19	20	31	19	21	10
MIN	5.3	4.4	4.2	3.8	4.6	5.4	7.0	8.0	15	6.2	5.0	4.7
CAL YR 1987 TOTAL		10147.8	MEAN	27.8	MAX	227	MIN	4.2	AC-FT	20130		
WTR YR 1988 TOTAL		3281.7	MEAN	8.97	MAX	31	MIN	3.8	AC-FT	6510		

MAX DISCH 42 CFS AT 1000 23-JUN-1988 GH 2.58 FT. SHIFT +0.09 FT. MAX GH 2.58 FT. AT 1000 23-JUN-1988



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO (1989)

LOCATION.--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

DRAINAGE AREA.--61 mi<sup>2</sup>.

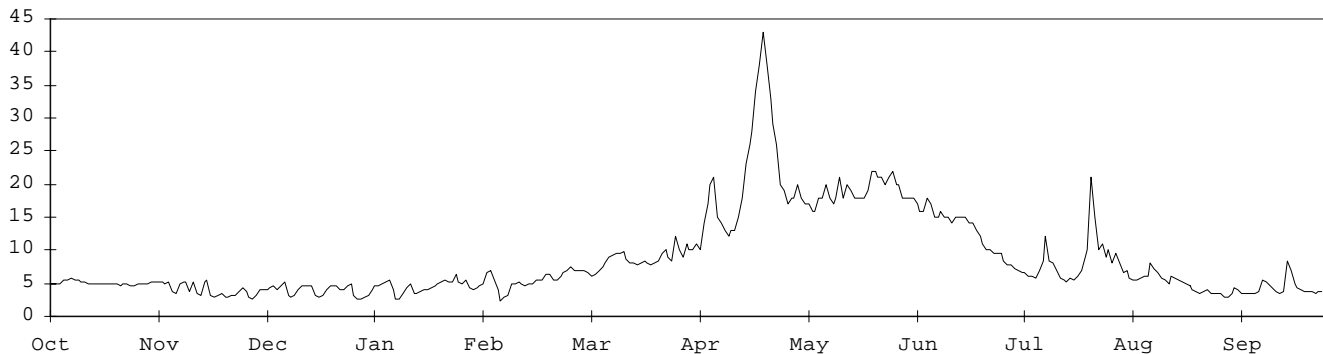
GAGE.--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

RATING TABLE.--LAGLAGCO12 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	5.3	3.9	4.0	4.7	6.8	11	18	20	8.5	8.1	3.4
2	5.0	5.3	4.1	4.5	5.0	6.8	10	18	18	7.7	9.4	2.9
3	5.0	5.0	4.3	4.5	6.6	7.0	10	20	18	7.7	8.1	2.9
4	5.0	5.3	4.5	5.0	6.8	6.6	11	18	18	7.3	6.6	3.4
5	5.6	3.8	4.1	5.2	5.4	6.2	10	17	18	7.0	7.0	4.4
6	5.6	3.6	4.5	5.4	4.0	6.4	14	17	17	6.6	5.9	4.1
7	5.9	5.0	5.2	4.0	2.4	6.8	17	16	16	6.6	5.6	3.4
8	5.6	5.3	3.3	2.6	2.8	7.6	20	16	16	6.2	5.6	3.4
9	5.6	5.3	3.0	2.5	3.2	8.2	21	18	18	6.2	5.9	3.4
10	5.3	3.8	3.3	3.4	4.8	8.8	15	18	17	5.9	6.2	3.4
11	5.3	5.3	4.0	4.2	5.0	9.2	14	20	15	7.0	6.2	3.4
12	5.0	3.6	4.5	4.9	5.2	9.6	13	18	15	8.5	8.1	3.8
13	5.0	3.1	4.6	3.5	5.0	9.4	12	17	16	12	7.3	5.6
14	5.0	5.3	4.6	3.5	4.5	9.8	13	18	15	8.5	6.6	5.3
15	5.0	5.6	4.7	3.7	4.8	8.6	13	21	15	8.1	5.9	4.7
16	5.0	3.1	3.3	4.0	5.0	8.2	15	18	14	7.0	5.6	4.1
17	5.0	2.9	2.8	4.1	5.4	8.1	18	20	15	5.9	5.0	3.8
18	5.0	3.2	3.3	4.2	5.4	7.7	23	19	15	5.6	6.2	3.6
19	5.0	3.4	4.0	4.7	5.4	8.1	26	18	15	5.3	5.9	3.8
20	5.0	3.0	4.6	5.0	6.4	8.5	28	18	15	5.9	5.6	8.5
21	4.7	2.9	4.5	5.2	6.4	8.1	34	18	14	5.6	5.3	7.0
22	5.0	3.1	4.6	5.4	5.4	7.7	38	18	14	6.2	5.0	5.0
23	5.0	3.2	4.0	5.2	5.6	8.1	43	19	13	7.0	4.7	4.4
24	4.7	3.8	4.0	5.2	6.2	8.5	38	22	12	9.0	4.1	4.1
25	4.7	4.2	4.5	6.4	6.6	9.5	33	22	11	10	3.8	3.8
26	5.0	3.7	5.0	5.2	6.8	10	29	21	10	21	3.6	3.8
27	5.0	2.9	3.2	5.0	7.4	9.0	26	21	10	15	3.8	3.8
28	5.0	2.7	2.6	5.4	6.8	8.5	20	20	9.5	10	4.1	3.6
29	5.0	3.1	2.7	4.4	---	12	19	21	9.5	11	3.6	3.8
30	5.3	3.9	2.8	4.0	---	10	17	22	9.5	9.0	3.6	3.8
31	5.3	---	3.1	4.4	---	9.0	---	20	---	10	3.6	---
TOTAL	158.6	119.7	121.6	138.7	149.0	258.8	611	587	438.5	257.3	176.0	124.4
MEAN	5.12	3.99	3.92	4.47	5.32	8.35	20.4	18.9	14.6	8.30	5.68	4.15
AC-FT	315	237	241	275	296	513	1210	1160	870	510	349	247
MAX	5.9	5.6	5.2	6.4	7.4	12	43	22	20	21	9.4	8.5
MIN	4.7	2.7	2.6	2.5	2.4	6.2	10	16	9.5	5.3	3.6	2.9
CAL YR 1988 TOTAL		3174.9	MEAN	8.67	MAX	31	MIN	2.6	AC-FT	6300		
WTR YR 1989 TOTAL		3140.6	MEAN	8.60	MAX	43	MIN	2.4	AC-FT	6230		

MAX DISCH 58 CFS AT 0230 23-APR-1989 GH 2.69 FT. SHIFT 0.09 FT. MAX GH 2.69 FT. AT 0230 23-APR-1989



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO (1990)

**LOCATION.**--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

**DRAINAGE AREA.**--61 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

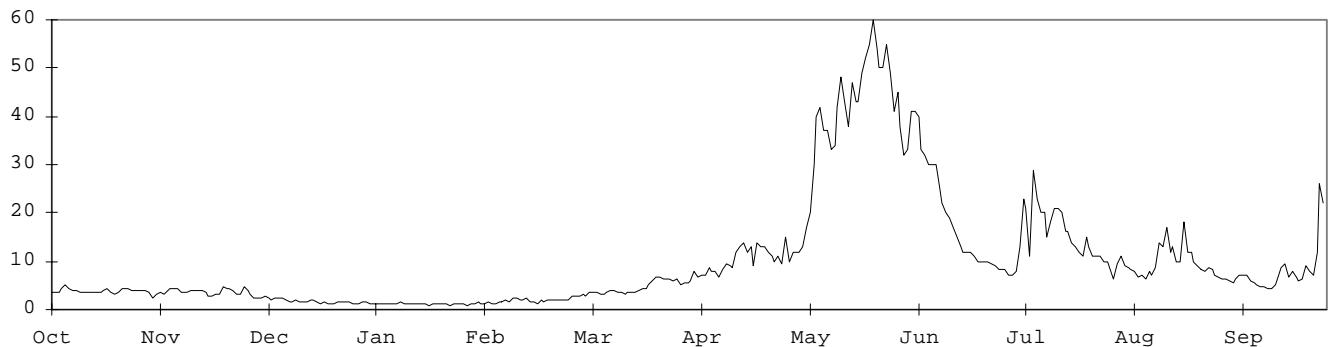
**RATING TABLE.**--LAGLAGCO12 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	3.5	2.7	1.1	1.3	2.7	5.6	12	38	8.1	6.2	6.2
2	3.6	3.0	2.3	1.1	1.3	3.0	5.9	12	32	7.3	9.5	6.2
3	3.6	3.7	2.1	1.2	1.4	2.9	7.7	12	33	7.0	11	5.9
4	4.4	4.2	2.3	1.0	1.3	3.4	6.6	13	41	8.0	9.0	5.6
5	5.3	4.3	2.3	1.1	1.3	3.4	7.3	17	41	13	8.5	6.2
6	4.4	4.5	2.3	1.0	1.5	3.4	7.0	20	40	23	8.1	7.0
7	4.1	3.7	1.8	1.2	1.4	3.0	8.5	30	33	21	7.7	7.0
8	4.1	3.4	1.7	1.3	1.8	3.3	7.7	40	32	11	6.6	7.0
9	3.6	3.7	1.5	1.7	1.7	3.6	7.7	42	30	29	7.0	5.9
10	3.6	3.8	1.8	1.2	2.3	3.8	6.6	37	30	23	6.2	5.6
11	3.6	4.1	1.4	1.3	2.2	4.0	8.1	37	30	20	7.7	5.0
12	3.6	3.8	1.6	1.2	2.0	3.7	9.5	33	25	20	7.3	4.7
13	3.4	3.8	1.4	1.1	2.0	3.5	9.0	34	22	15	8.5	4.7
14	3.6	3.6	1.8	1.1	2.2	3.3	8.5	42	20	18	14	4.4
15	3.6	2.9	2.0	1.2	1.4	3.5	12	48	19	21	13	4.4
16	3.8	2.7	1.5	1.0	1.5	3.5	13	43	17	21	17	5.0
17	4.4	3.1	1.0	0.90	1.3	3.7	14	38	15	20	12	6.2
18	3.6	3.1	1.6	1.0	1.8	4.0	12	47	13	16	13	8.5
19	3.1	4.6	1.3	1.1	1.7	4.2	13	43	12	16	10	9.5
20	3.6	4.3	1.3	1.0	2.1	4.5	9.0	43	12	14	10	6.6
21	4.4	4.3	1.3	1.0	2.1	5.2	14	49	12	13	18	7.7
22	4.4	4.0	1.7	1.0	2.0	5.9	13	52	11	12	12	6.6
23	4.4	3.1	1.5	0.90	2.0	6.6	13	55	10	11	12	5.9
24	4.1	3.1	1.6	1.3	2.0	6.6	12	60	10	15	10	6.2
25	4.1	4.6	1.4	1.2	1.9	6.3	11	54	10	13	9.0	9.0
26	4.1	4.0	1.2	1.1	2.0	6.3	10	50	10	11	8.1	7.7
27	4.1	3.1	1.3	1.2	2.8	6.4	11	50	9.5	11	7.7	7.0
28	3.8	2.2	1.3	0.80	2.9	5.8	9.5	55	9.0	11	8.5	12
29	3.4	2.3	1.5	1.3	---	6.2	15	49	8.1	10	8.1	26
30	2.5	2.5	1.4	1.1	---	5.3	10	41	8.1	10	7.3	22
31	3.2	---	1.2	1.4	---	5.5	---	45	---	8.5	6.6	---
TOTAL	119.1	107.0	51.1	35.10	51.2	136.5	297.2	1203	632.7	456.9	299.6	231.7
MEAN	3.84	3.57	1.65	1.13	1.83	4.40	9.91	38.8	21.1	14.7	9.66	7.72
AC-FT	236	212	101	70	102	271	589	2390	1250	906	594	460
MAX	5.3	4.6	2.7	1.7	2.9	6.6	15	60	41	29	18	26
MIN	2.5	2.2	1.0	0.80	1.3	2.7	5.6	12	8.1	7.0	6.2	4.4

CAL YR 1989 TOTAL 3017.9 MEAN 8.27 MAX 43 MIN 1.0 AC-FT 5990  
WTR YR 1990 TOTAL 3621.10 MEAN 9.92 MAX 60 MIN 0.80 AC-FT 7180

MAX DISCH 75 CFS AT 1700 21-MAY-1990 GH 2.84 FT. SHIFT 0.04 FT. MAX GH 2.84 FT. AT 1700 21-MAY-1990



## RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO (1983)

**LOCATION**--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

**DRAINAGE AREA**--107 mi<sup>2</sup>.

**GAGE**--Water-stage recorder. Datum of gage is 8,600 ft., from topographic map.

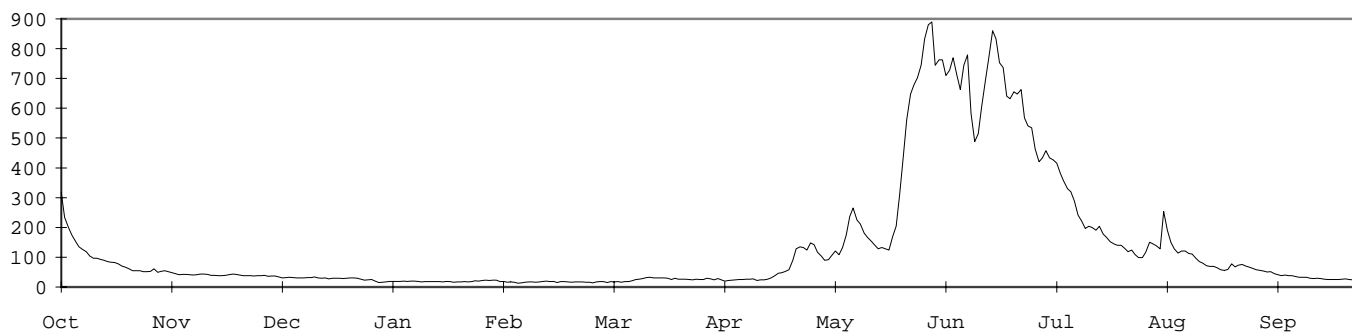
**RATING TABLE**--ALATERCO14 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	315	48	34	19	18	18	27	117	880	463	117	58
2	233	45	31	19	19	18	24	104	890	421	150	56
3	200	41	32	19	16	15	28	89	744	433	145	54
4	175	42	33	19	17	18	24	91	762	457	138	50
5	152	42	32	20	16	17	20	106	762	433	128	52
6	135	41	31	19	13	18	22	121	710	427	253	45
7	126	40	30	20	14	16	23	108	728	415	190	41
8	119	41	31	20	16	18	24	133	770	382	150	38
9	104	43	32	19	17	18	25	175	710	355	128	40
10	97	43	32	17	17	21	25	237	662	330	114	38
11	97	42	34	18	16	25	26	265	744	320	121	38
12	93	39	31	18	17	26	26	225	779	288	121	35
13	89	39	29	18	19	28	27	211	582	241	112	33
14	85	38	30	18	20	32	22	181	488	222	110	33
15	83	38	27	18	18	33	24	166	514	197	97	33
16	82	39	29	17	19	31	24	155	603	204	85	29
17	78	41	29	19	15	30	26	140	694	200	80	28
18	70	43	29	18	18	30	31	128	770	190	72	29
19	66	42	28	16	18	31	38	133	860	204	69	28
20	61	40	29	17	17	29	46	128	833	178	69	26
21	55	38	30	17	16	25	48	124	753	166	64	25
22	55	38	30	18	17	29	53	169	736	152	58	25
23	55	38	29	17	17	26	58	204	640	145	56	25
24	52	37	26	18	17	26	89	306	632	140	59	25
25	52	38	23	21	16	26	128	439	655	140	78	26
26	53	38	24	20	16	25	135	561	648	130	67	27
27	61	39	25	22	14	24	133	648	662	119	74	25
28	49	36	20	23	17	26	124	678	568	124	76	24
29	53	37	15	22	---	25	148	702	540	108	70	25
30	55	37	16	23	---	25	142	744	534	99	66	80
31	52	---	17	23	---	29	---	833	---	99	62	---
TOTAL	3052	1203	868	592	470	758	1590	8421	20853	7782	3179	1091
MEAN	98.5	40.1	28.0	19.1	16.8	24.5	53.0	272	695	251	103	36.4
AC-FT	6050	2390	1720	1170	932	1500	3150	16700	41360	15440	6310	2160
MAX	315	48	34	23	20	33	148	833	890	463	253	80
MIN	49	36	15	16	13	15	20	89	488	99	56	24

CAL YR 1982 TOTAL 53569 MEAN 147 MAX 662 MIN 11 AC-FT 106300  
WTR YR 1983 TOTAL 49859 MEAN 137 MAX 890 MIN 13 AC-FT 98900

MAX DISCH 1120 CFS AT 2330 01-JUN-1983 GH 3.24 FT. SHIFT -0.08 FT. MAX GH 3.24 FT. AT 2330 01-JUN-1983



RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO (1984)

**LOCATION.**--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

**DRAINAGE AREA.**--107 mi<sup>2</sup>.

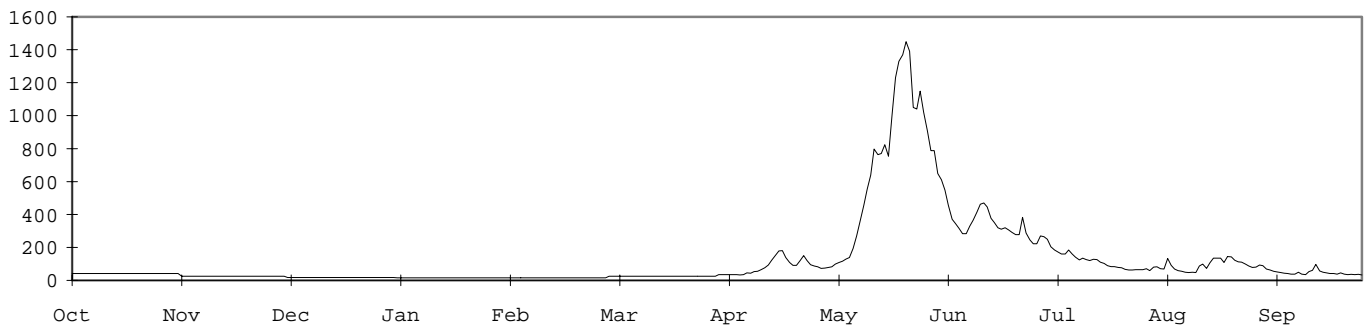
**GAGE.**--Water-stage recorder. Datum of gage is 8,600 ft., from topographic map.

**RATING TABLE.**--ALATERCO14 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	25	18	15	16	25	35	74	788	270	59	93
2	42	25	18	15	16	25	35	78	648	265	80	89
3	42	25	18	15	16	25	35	82	610	249	82	69
4	42	25	18	15	16	25	35	99	547	204	70	62
5	42	25	18	15	16	25	35	108	457	184	69	56
6	42	25	18	15	16	25	35	117	371	172	133	52
7	42	25	18	15	16	25	32	130	345	160	91	48
8	42	25	18	15	16	25	35	138	315	160	69	43
9	42	25	18	15	16	25	45	194	283	184	59	41
10	42	25	18	15	16	25	43	270	283	160	55	38
11	42	25	18	15	16	25	53	355	330	140	50	39
12	42	25	18	15	16	25	55	457	366	124	48	49
13	42	25	18	15	16	25	64	554	415	135	49	39
14	42	25	18	15	16	25	76	640	463	126	48	34
15	42	25	18	15	16	25	93	797	469	119	87	54
16	42	25	18	15	16	25	121	762	445	128	99	61
17	42	25	18	15	16	25	152	770	376	126	72	97
18	42	25	18	15	16	25	178	824	350	110	107	58
19	42	25	18	15	16	25	181	753	320	102	135	49
20	42	25	18	15	16	25	138	1000	310	89	135	45
21	42	25	18	15	16	25	108	1230	320	83	135	42
22	42	25	18	15	16	25	91	1330	306	83	108	42
23	42	25	18	15	16	25	91	1370	292	78	145	39
24	42	25	18	15	16	25	119	1450	278	76	142	46
25	42	25	18	15	16	25	150	1390	278	67	121	39
26	42	25	18	15	16	25	119	1050	382	62	112	35
27	42	25	18	15	16	25	95	1040	288	62	110	36
28	42	25	18	15	16	25	87	1150	245	64	99	34
29	42	25	18	15	16	25	82	1020	222	64	87	36
30	42	25	18	15	---	25	72	910	222	64	78	32
31	42	---	18	15	---	25	---	788	---	70	80	---
TOTAL	1302	750	558	465	464	775	2490	20930	11324	3980	2814	1497
MEAN	42.0	25.0	18.0	15.0	16.0	25.0	83.0	675	377	128	90.8	49.9
AC-FT	2580	1490	1110	922	920	1540	4940	41510	22460	7890	5580	2970
MAX	42	25	18	15	16	25	181	1450	788	270	145	97
MIN	42	25	18	15	16	25	32	74	222	62	48	32
CAL YR 1983 TOTAL		47346	MEAN	130	MAX	890	MIN	13	AC-FT	93910		
WTR YR 1984 TOTAL		47349	MEAN	129	MAX	1450	MIN	15	AC-FT	93920		

MAX DISCH 1928 CFS AT 0000 24-MAY-1984 GH 3.77 FT. SHIFT 0.12 FT. MAX GH 3.77 FT. AT 0000 24-MAY-1984



## RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO (1985)

**LOCATION.**--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

**DRAINAGE AREA.**--107 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder. Datum of gage is 8,600 ft., from topographic map.

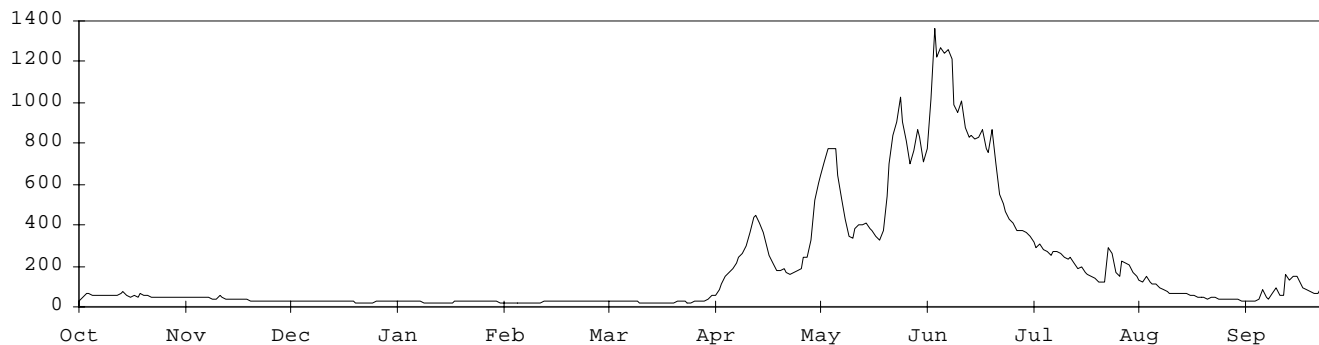
**RATING TABLE.**--ALATERCO14 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	49	26	24	18	24	31	241	702	410	150	42
2	48	46	26	24	18	24	29	245	770	376	221	41
3	64	48	26	24	18	24	39	325	870	376	212	40
4	62	46	26	24	18	24	53	520	833	376	204	39
5	56	43	26	24	18	24	59	610	710	360	169	36
6	58	45	26	24	18	26	80	648	779	345	148	32
7	53	43	26	24	18	26	112	710	1020	315	130	32
8	58	43	26	24	22	26	145	779	1360	292	119	32
9	59	38	26	24	22	26	169	779	1220	310	145	29
10	58	34	26	20	22	26	184	779	1270	283	117	27
11	53	53	28	20	22	26	214	648	1240	274	108	34
12	58	46	28	20	22	26	245	534	1260	249	108	87
13	61	40	28	20	22	26	257	427	1210	274	93	43
14	74	40	28	20	24	19	301	345	990	274	83	34
15	53	35	28	20	24	20	366	335	950	257	74	61
16	49	38	28	20	24	20	439	382	1010	245	67	92
17	53	38	24	20	24	18	445	398	880	229	64	55
18	46	35	24	20	24	19	415	398	833	245	62	55
19	61	33	24	24	24	21	366	415	842	214	61	158
20	56	32	24	24	24	21	288	382	824	190	62	135
21	52	30	20	24	24	20	253	376	833	197	62	145
22	49	30	20	24	24	20	211	345	870	172	56	145
23	50	30	20	24	24	19	181	330	779	160	53	110
24	50	30	20	24	24	23	178	376	753	148	50	97
25	49	30	20	24	24	26	190	540	870	142	48	87
26	46	26	20	24	24	28	172	702	702	124	43	76
27	50	26	28	24	24	24	160	842	547	119	41	69
28	49	26	28	24	24	19	172	910	501	121	45	69
29	48	26	28	24	---	18	181	1030	463	289	43	87
30	48	26	28	24	---	24	187	910	433	260	41	72
31	50	---	28	24	---	29	---	815	---	172	41	---
TOTAL	1653	1105	784	708	618	716	6122	17076	26324	7798	2920	2061
MEAN	53.3	36.8	25.3	22.8	22.1	23.1	204	551	877	252	94.2	68.7
AC-FT	3280	2190	1560	1400	1230	1420	12140	33870	52210	15470	5790	4090
MAX	74	53	28	24	24	29	445	1030	1360	410	221	158
MIN	32	26	20	20	18	18	29	241	433	119	41	27

CAL YR 1984 TOTAL 48281 MEAN 132 MAX 1450 MIN 15 AC-FT 95770  
WTR YR 1985 TOTAL 67885 MEAN 186 MAX 1360 MIN 18 AC-FT 134600

MAX DISCH 1590 CFS AT 2300 08-JUN-1985 GH 3.60 FT. SHIFT 0.00 FT. MAX GH 3.60 FT. AT 2300 08-JUN-1985



## RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO (1986)

**LOCATION.**--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

**DRAINAGE AREA.**--107 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 8,600 ft., from topographic map.

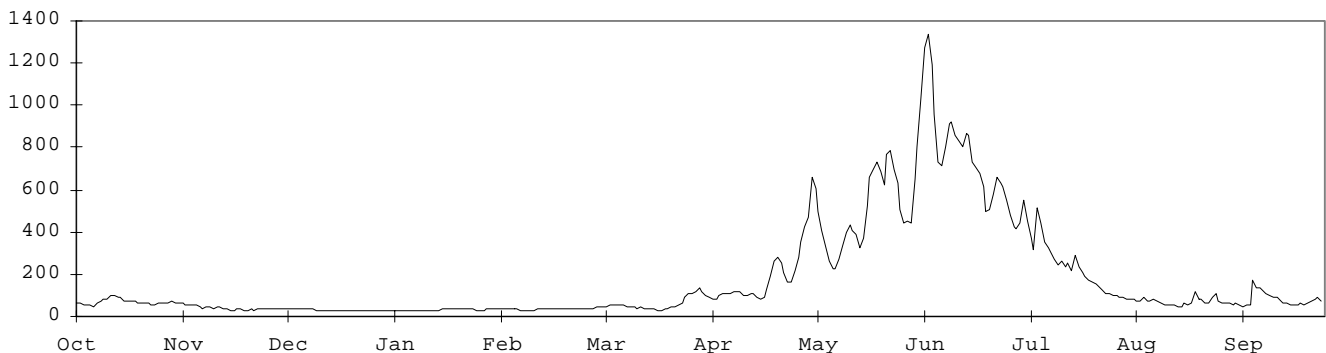
**RATING TABLE.**--ALATERC014 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	62	34	31	34	38	133	355	451	475	97	66
2	62	53	34	31	34	41	121	427	439	427	93	67
3	56	55	34	31	34	42	95	469	648	415	87	59
4	55	52	32	31	32	42	87	655	806	439	83	55
5	50	55	32	30	32	48	80	603	1030	554	85	59
6	48	46	32	30	32	50	85	501	1270	451	78	50
7	64	39	32	30	32	56	97	410	1340	371	74	45
8	74	41	32	30	28	58	104	330	1190	320	74	52
9	78	42	32	30	28	56	104	265	960	514	89	55
10	80	40	26	31	28	50	106	225	736	445	72	170
11	102	42	26	31	28	49	114	229	710	355	69	139
12	95	43	26	31	28	45	119	270	806	325	85	138
13	93	36	26	31	32	41	117	335	910	306	69	114
14	87	32	26	31	32	40	97	398	920	270	64	110
15	72	28	26	31	40	45	97	433	860	241	58	95
16	72	30	26	32	40	35	110	404	833	261	53	89
17	74	32	26	32	40	36	106	388	806	237	50	87
18	74	34	30	32	40	35	91	325	870	253	50	72
19	67	30	30	32	40	32	85	371	860	214	49	67
20	64	28	30	32	40	30	91	520	736	288	46	61
21	62	34	30	32	36	30	124	662	702	237	66	56
22	62	30	30	32	36	32	187	694	678	208	58	53
23	55	36	30	32	36	35	261	728	610	190	64	53
24	56	36	30	32	38	41	283	685	501	175	117	61
25	59	36	30	32	38	45	253	625	508	163	80	58
26	61	36	30	31	38	53	204	770	582	152	78	66
27	64	34	30	31	36	67	166	788	655	140	64	76
28	66	34	30	31	36	91	166	694	632	126	64	85
29	69	34	30	34	---	110	218	632	618	112	89	89
30	67	34	31	34	---	112	278	508	554	106	104	74
31	67	---	31	34	---	119	---	439	---	102	72	---
TOTAL	2119	1164	924	975	968	1604	4179	15138	23221	8872	2281	2321
MEAN	68.4	38.8	29.8	31.5	34.6	51.7	139	488	774	286	73.6	77.4
AC-FT	4200	2310	1830	1930	1920	3180	8290	30030	46060	17600	4520	4600
MAX	102	62	34	34	40	119	283	788	1340	554	117	170
MIN	48	28	26	30	28	30	80	225	439	102	46	45

CAL YR 1985 TOTAL 68550 MEAN 188 MAX 1360 MIN 18 AC-FT 136000  
WTR YR 1986 TOTAL 63766 MEAN 175 MAX 1340 MIN 26 AC-FT 126500

MAX DISCH 1660 CFS AT 2330 06-JUN-1986 GH 3.51 FT. SHIFT +0.15 FT. MAX GH 3.51 FT. AT 2330 06-JUN-1986



## RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO (1987)

**LOCATION.**--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

**DRAINAGE AREA.**--107 mi<sup>2</sup>.

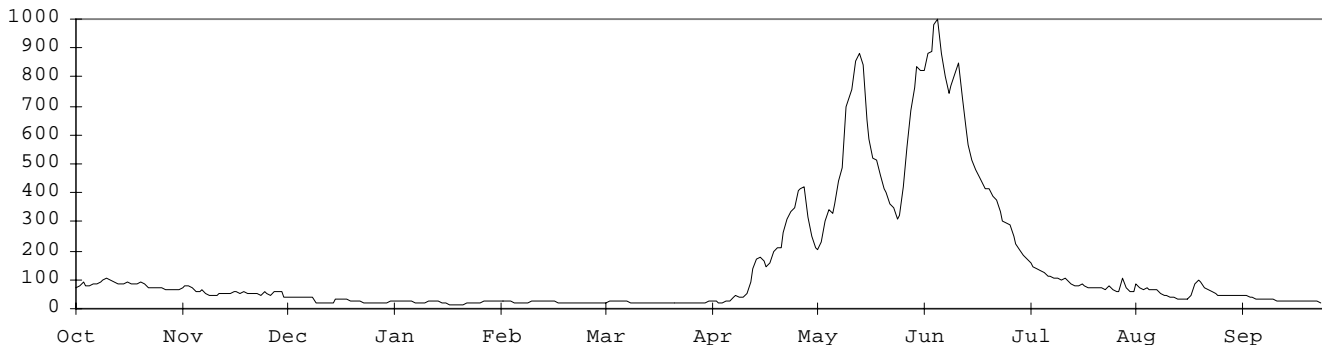
**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 8,600 ft., from topographic map.

**RATING TABLE.**--ALATERCO14 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	75	40	24	24	18	20	414	556	288	58	44
2	80	76	40	24	24	18	21	424	683	251	58	46
3	91	77	40	24	24	20	23	317	764	224	108	49
4	78	71	40	24	24	20	27	248	833	201	73	44
5	80	61	40	26	24	22	25	212	821	182	58	44
6	85	61	40	26	22	24	24	206	823	168	58	44
7	86	63	40	26	22	26	23	233	884	155	83	47
8	92	55	40	18	22	28	23	304	887	142	75	47
9	98	46	40	18	22	28	24	341	983	138	68	41
10	102	48	20	18	22	28	28	329	999	132	74	38
11	100	48	20	18	28	26	38	360	880	122	64	36
12	89	50	20	24	28	21	43	439	802	115	63	34
13	87	50	20	24	28	20	37	488	742	111	65	32
14	83	50	20	24	28	21	37	699	769	106	55	35
15	85	52	20	24	26	20	55	738	812	102	48	35
16	89	57	32	18	26	20	89	759	848	101	44	31
17	85	56	32	18	26	19	137	853	727	104	40	29
18	85	52	32	16	26	19	171	884	620	101	38	28
19	85	60	32	16	20	21	178	844	565	84	35	27
20	92	55	26	16	20	19	165	654	515	80	34	26
21	86	54	26	16	18	18	142	586	477	78	34	26
22	75	55	26	16	18	20	159	521	451	84	36	26
23	75	53	26	20	18	20	199	516	428	79	44	25
24	73	49	22	20	22	19	212	458	416	72	85	24
25	72	60	22	20	22	20	211	415	415	74	97	24
26	70	55	22	20	22	19	261	402	388	71	92	24
27	69	44	22	20	18	18	310	360	376	72	71	25
28	66	61	22	24	18	19	335	349	335	75	66	26
29	67	60	22	24	---	19	351	307	301	68	60	24
30	64	59	22	24	---	18	406	325	297	76	53	22
31	67	---	22	24	---	19	---	422	---	63	49	---
TOTAL	2528	1713	888	654	642	647	3774	14407	19397	3719	1886	1003
MEAN	81.5	57.1	28.6	21.1	22.9	20.9	126	465	647	120	60.8	33.4
AC-FT	5010	3400	1760	1300	1270	1280	7490	28580	38470	7380	3740	1990
MAX	102	77	40	26	28	28	406	884	999	288	108	49
MIN	64	44	20	16	18	18	20	206	297	63	34	22
CAL YR 1986 TOTAL		64688	MEAN	177	MAX	1340	MIN	20	AC-FT	128300		
WTR YR 1987 TOTAL		51258	MEAN	140	MAX	999	MIN	16	AC-FT	101700		

MAX DISCH 1271 CFS AT 0030 10-JUN-1987 GH 3.14 FT. SHIFT +0.17 FT. MAX GH 3.14 FT. AT 0030 10-JUN-1987



RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO (1988)

**LOCATION.**--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

**DRAINAGE AREA.**--107 mi<sup>2</sup>.

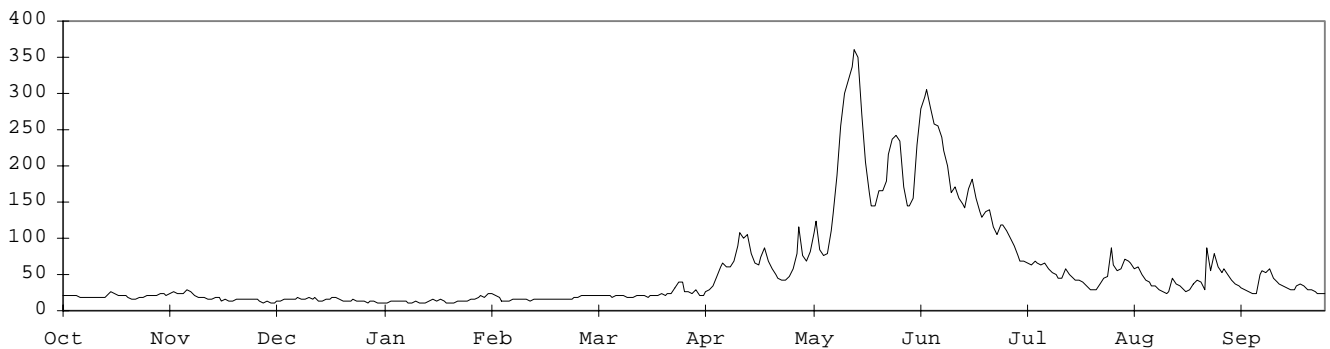
**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 8,600 ft., from topographic map.

**RATING TABLE.**--ALATERCO14 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	24	11	10	24	22	28	115	145	99	54	59
2	21	26	12	10	23	22	21	77	144	89	59	51
3	21	25	14	10	22	22	22	68	156	77	70	43
4	20	24	16	12	18	22	26	81	230	69	68	38
5	20	24	17	14	14	21	30	109	278	68	66	35
6	19	28	17	14	14	22	33	123	296	66	59	32
7	19	27	17	13	14	22	48	84	306	64	61	29
8	19	22	19	12	15	19	61	77	281	69	49	27
9	19	18	16	11	15	20	65	78	259	66	43	25
10	18	18	17	11	16	21	61	111	254	64	39	23
11	18	19	19	12	15	20	60	134	239	66	35	51
12	18	16	17	11	15	19	69	188	221	59	33	54
13	18	16	18	11	14	18	89	255	201	53	30	53
14	25	18	13	11	16	18	109	301	163	49	27	58
15	26	18	12	13	15	20	100	318	171	44	25	45
16	24	14	15	15	15	21	105	337	154	44	27	40
17	22	15	17	14	17	20	79	361	148	57	44	36
18	22	12	19	15	16	19	66	351	143	51	37	35
19	21	13	19	14	15	20	64	270	168	44	34	31
20	19	16	16	11	16	21	74	204	181	43	29	30
21	17	16	14	11	15	21	87	162	155	41	27	29
22	17	17	13	11	16	23	68	145	136	39	29	35
23	18	17	18	13	16	22	57	145	129	34	38	38
24	19	17	17	13	16	24	51	166	136	30	41	34
25	22	17	14	12	17	23	45	167	140	30	40	30
26	22	16	13	13	18	31	43	178	116	29	30	28
27	22	12	12	15	19	40	43	217	106	36	87	26
28	22	11	11	17	22	39	48	237	118	45	56	25
29	23	12	12	18	21	27	58	241	119	47	78	24
30	23	11	12	20	---	26	80	235	110	88	60	23
31	22	---	11	19	---	25	---	172	---	64	52	---
TOTAL	638	539	468	406	489	710	1790	5707	5403	1724	1427	1087
MEAN	20.6	18.0	14.9	13.1	16.9	22.9	59.7	184	180	55.6	46.0	36.2
AC-FT	1270	1070	918	805	970	1410	3550	11320	10720	3420	2830	2160
MAX	26	28	19	20	24	40	109	361	306	99	87	59
MIN	17	11	11	10	14	18	21	68	106	29	25	23
CAL YR 1987 TOTAL	47774		MEAN	131	MAX	999	MIN	11	AC-FT	94760		
WTR YR 1988 TOTAL	20388		MEAN	55.7	MAX	361	MIN	10	AC-FT	40440		

MAX DISCH 463 CFS AT 2330 16-MAY-1988 GH 2.29 FT. SHIFT +0.09 FT. MAX GH 2.29 FT. AT 2330 16-MAY-1988



## RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO (1989)

**LOCATION.**--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

**DRAINAGE AREA.**--107 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 8,600 ft., from topographic map.

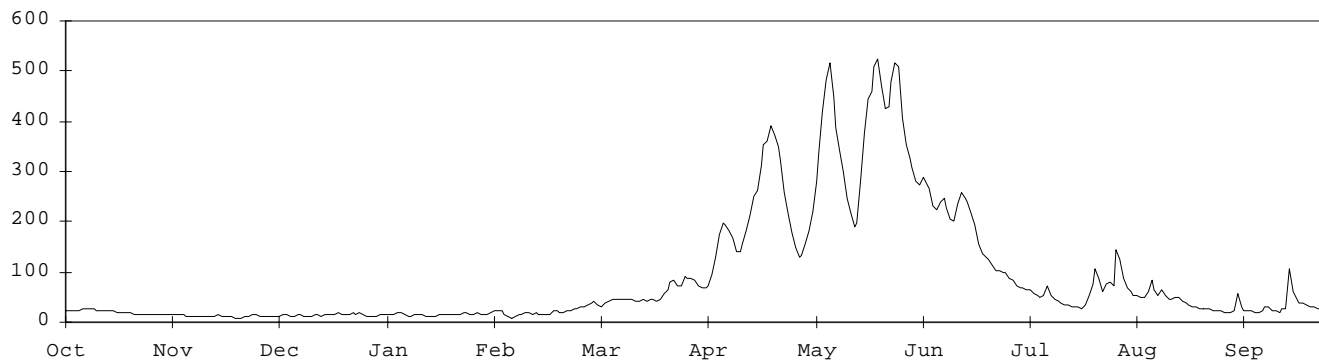
**RATING TABLE.**--ALATERCO14 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	16	12	15	18	34	84	131	355	86	143	20
2	22	16	13	16	23	39	74	134	328	82	124	19
3	22	16	14	17	22	40	70	156	309	74	86	18
4	21	16	14	17	21	35	69	183	280	70	68	23
5	23	12	13	19	16	32	73	221	275	68	60	56
6	26	11	12	19	9.6	37	96	280	288	64	53	29
7	28	12	15	14	9.0	40	131	335	272	63	52	24
8	27	12	14	9.8	11	44	173	418	266	57	49	22
9	25	12	12	10	16	45	198	483	233	53	49	22
10	23	10	13	15	17	44	192	518	225	49	59	19
11	22	12	13	17	18	45	183	447	238	55	82	19
12	22	10	14	15	20	45	167	388	247	73	66	22
13	21	11	14	9.8	15	46	142	341	229	54	53	29
14	21	14	13	11	20	47	141	301	204	46	64	31
15	21	13	15	13	14	41	156	247	200	42	52	24
16	20	10	14	12	14	40	181	215	237	39	47	21
17	19	11	14	14	16	46	212	190	259	35	46	19
18	19	11	14	16	17	41	249	197	245	33	50	25
19	18	9.4	18	16	21	47	261	281	238	30	51	28
20	18	9.2	15	16	22	47	312	376	217	30	41	108
21	17	9.4	17	16	20	40	353	444	195	31	38	62
22	17	10	17	17	20	44	362	459	157	27	34	44
23	17	12	18	17	22	58	393	507	137	35	32	39
24	17	15	14	18	23	66	373	524	132	54	30	37
25	16	14	18	19	25	78	351	469	125	75	28	34
26	16	13	16	17	28	83	324	424	115	106	26	32
27	15	12	11	16	30	73	258	431	104	87	25	29
28	15	11	10	18	31	73	217	478	102	60	25	28
29	15	12	10	14	---	92	179	516	99	77	23	27
30	17	11	12	16	---	88	149	510	97	78	22	26
31	17	---	14	17	---	86	---	407	---	73	22	---
TOTAL	620	363.0	433	476.6	538.6	1616	6123	11011	6408	1806	1600	936
MEAN	20.0	12.1	14.0	15.4	19.2	52.1	204	355	214	58.3	51.6	31.2
AC-FT	1230	720	859	945	1070	3210	12140	21840	12710	3580	3170	1860
MAX	28	16	18	19	31	92	393	524	355	106	143	108
MIN	15	9.2	10	9.8	9.0	32	69	131	97	27	22	18

CAL YR 1988 TOTAL 20159.0 MEAN 55.1 MAX 361 MIN 9.2 AC-FT 39990  
WTR YR 1989 TOTAL 31931.2 MEAN 87.5 MAX 524 MIN 9.0 AC-FT 63340

MAX DISCH 677 CFS AT 2245 29-MAY-1989 GH 2.61 FT. SHIFT 0.08 FT. MAX GH 2.61 FT. AT 2245 29-MAY-1989



RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO (1990)

**LOCATION.**--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

**DRAINAGE AREA.**--107 mi<sup>2</sup>.

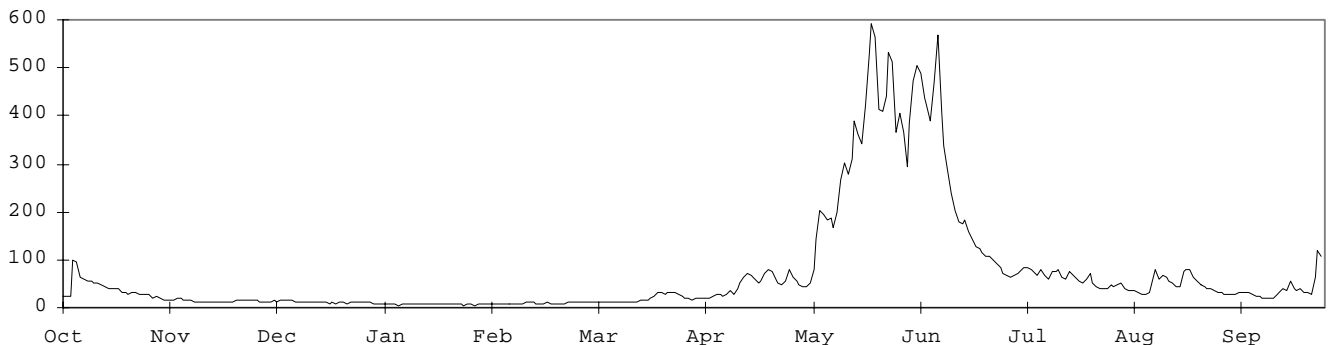
**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 8,600 ft., from topographic map.

**RATING TABLE.**--ALATERCO14 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	17	14	8.0	7.0	12	17	55	364	66	44	30
2	23	16	13	8.0	7.5	11	19	48	294	63	48	29
3	22	18	14	7.5	7.0	11	19	43	385	69	52	28
4	98	21	15	7.0	7.5	12	20	43	471	70	39	26
5	95	15	16	6.0	8.0	13	21	50	503	76	36	29
6	64	14	14	5.5	7.5	12	21	79	490	82	36	30
7	60	14	11	6.5	8.0	12	25	145	439	82	36	32
8	54	13	12	7.5	9.0	11	27	202	421	78	31	32
9	54	13	13	8.0	7.5	12	26	196	388	70	28	31
10	53	12	13	8.0	8.5	13	25	183	469	66	26	28
11	52	12	11	8.5	9.5	13	29	188	568	80	30	25
12	48	12	10	7.5	10	13	34	168	404	67	46	23
13	43	12	10	7.5	11	12	26	199	339	61	78	20
14	41	11	11	8.5	10	11	38	268	287	77	61	19
15	40	10	12	8.0	8.5	11	52	301	240	74	67	18
16	39	11	10	7.0	8.5	13	64	278	204	78	62	18
17	38	12	9.0	7.0	9.5	16	73	310	178	62	56	28
18	33	12	11	7.5	10	15	69	388	174	59	51	31
19	30	13	9.0	6.5	9.0	16	58	361	181	76	45	40
20	29	14	10	6.0	9.5	19	53	340	159	67	45	36
21	30	16	10	6.0	8.5	23	54	421	142	62	77	56
22	30	15	8.0	6.0	9.0	31	71	527	129	56	80	39
23	28	14	10	7.0	9.5	32	81	592	124	52	80	36
24	26	15	11	6.0	10	29	76	565	117	59	64	39
25	26	15	10	5.5	11	30	60	415	106	70	55	33
26	27	16	10	7.0	12	31	51	410	106	53	46	30
27	20	12	11	6.0	12	32	49	443	99	43	43	28
28	22	10	11	5.5	11	27	54	533	91	39	41	65
29	20	11	11	6.5	---	23	80	514	82	40	40	119
30	17	13	7.0	6.5	---	20	64	366	72	40	35	106
31	17	---	6.5	8.0	---	18	---	404	---	48	32	---
TOTAL	1203	409	343.5	216.0	256.0	554	1356	9035	8026	1985	1510	1104
MEAN	38.8	13.6	11.1	6.97	9.14	17.9	45.2	291	268	64.0	48.7	36.8
AC-FT	2390	811	681	428	508	1100	2690	17920	15920	3940	3000	2190
MAX	98	21	16	8.5	12	32	81	592	568	82	80	119
MIN	17	10	6.5	5.5	7.0	11	17	43	72	39	26	18
CAL YR 1989 TOTAL	32470.7		MEAN	89.0	MAX	524	MIN	6.5	AC-FT	64410		
WTR YR 1990 TOTAL	25997.5		MEAN	71.2	MAX	592	MIN	5.5	AC-FT	51570		

MAX DISCH 824 CFS AT 2115 23-MAY-1990 GH 2.78 FT. SHIFT 0.08 FT. MAX GH 2.78 FT. AT 2115 23-MAY-1990



## RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1980)

**LOCATION.**--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

**DRAINAGE AREA.**--116 mi<sup>2</sup>.

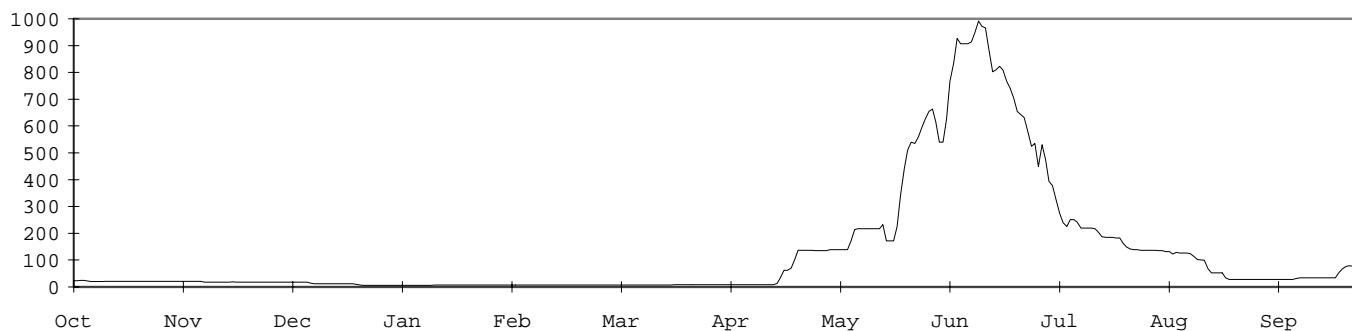
**GAGE.**--Water-stage recorder. Altitude of gage is 8,375 ft, from topographic map.

**RATING TABLE.**--ALABELCO09 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	21	18	6.0	7.5	7.5	8.0	135	615	530	137	28
2	23	21	18	6.0	7.5	7.5	8.0	139	540	474	137	28
3	24	21	18	6.0	7.5	7.5	8.0	139	540	394	135	28
4	24	21	18	6.0	7.5	7.5	8.2	139	626	377	135	28
5	22	21	18	6.0	7.5	7.5	7.9	139	766	324	132	28
6	20	21	18	6.0	7.5	7.5	7.9	139	836	275	132	28
7	20	18	14	6.0	7.5	7.5	7.9	139	926	239	123	28
8	20	18	12	6.0	7.5	7.5	7.9	172	907	226	128	28
9	20	18	12	6.0	7.5	7.5	7.9	214	907	251	126	28
10	21	18	12	6.0	7.5	7.5	7.9	217	907	251	126	28
11	21	18	12	6.5	7.5	7.5	7.9	217	914	242	126	31
12	21	18	12	6.5	7.5	7.5	7.9	217	946	220	124	34
13	21	18	12	6.5	7.5	7.5	7.9	217	992	220	113	34
14	21	18	12	6.5	7.5	7.5	7.9	217	972	220	102	34
15	21	19	12	6.5	7.5	7.5	7.9	217	966	220	100	34
16	21	18	12	7.0	7.5	7.5	7.9	217	888	217	99	34
17	21	18	12	7.0	7.5	7.5	13	232	803	203	67	34
18	21	18	12	7.0	7.5	7.5	35	172	810	187	53	34
19	21	18	12	7.0	7.5	7.6	62	172	822	184	52	34
20	21	18	9.7	7.0	7.5	7.6	62	172	810	184	52	34
21	21	18	6.5	7.5	7.5	7.9	70	226	766	184	52	34
22	21	18	6.2	7.5	7.5	7.9	101	340	742	182	34	34
23	21	18	6.2	7.5	7.5	7.9	137	442	706	182	28	52
24	21	18	6.2	7.5	7.5	7.9	137	510	654	162	28	67
25	21	18	6.0	7.5	7.5	8.0	137	540	642	148	28	76
26	21	18	6.0	7.5	7.5	8.0	137	535	632	141	28	80
27	21	18	6.0	7.5	7.5	8.0	137	560	582	139	28	77
28	21	18	6.0	7.5	7.5	8.0	135	593	525	139	28	76
29	21	18	6.0	7.5	7.5	8.0	135	626	535	137	28	73
30	21	18	6.0	7.5	---	8.0	135	654	449	137	28	68
31	21	---	6.0	7.5	---	8.0	---	664	---	137	28	---
TOTAL	658	559	342.8	210.0	217.5	237.8	1560.0	9312	22726	7126	2537	1254
MEAN	21.2	18.6	11.1	6.77	7.50	7.67	52.0	300	758	230	81.8	41.8
AC-FT	1310	1110	680	417	431	472	3090	18470	45080	14130	5030	2490
MAX	24	21	18	7.5	7.5	8.0	137	664	992	530	137	80
MIN	20	18	6.0	6.0	7.5	7.5	7.9	135	449	137	28	28
CAL YR 1979 TOTAL		55794.5	MEAN	153	MAX	1040	MIN	3.1	AC-FT	110700		
WTR YR 1980 TOTAL		46740.1	MEAN	128	MAX	992	MIN	6.0	AC-FT	92710		

MAX DISCH 1099 CFS AT 1830 05-JUN-1980 GH 5.38 FT. SHIFT -0.11 FT. MAX GH 5.38 FT. AT 1830 05-JUN-1980



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1981)

LOCATION.--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

DRAINAGE AREA.--116 mi<sup>2</sup>.

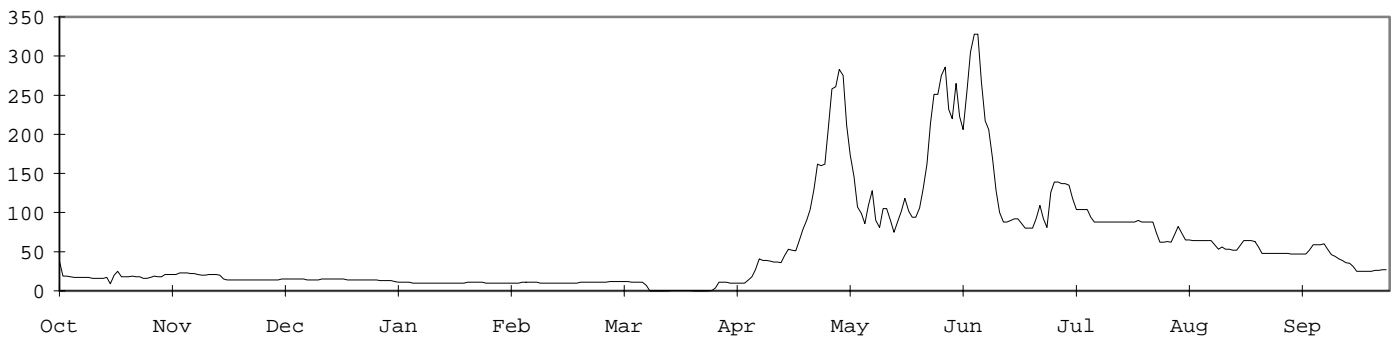
GAGE.--Water-stage recorder. Altitude of gage is 8,375 ft, from topographic map.

RATING TABLE.--ALABELC009 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	21	15	12	10	12	11	258	286	139	63	48
2	19	21	15	11	10	12	11	261	232	139	62	48
3	19	23	15	11	10	12	10	283	220	137	72	48
4	18	23	15	11	10	12	10	275	265	137	82	47
5	17	23	15	11	11	12	10	212	223	135	73	47
6	17	22	15	10	11	12	10	174	206	118	65	47
7	17	22	15	10	11	11	10	146	255	104	65	47
8	17	21	14	10	11	11	14	107	305	104	64	47
9	17	20	14	10	11	11	18	99	328	104	64	52
10	16	20	14	10	10	11	27	86	328	104	64	59
11	16	21	14	10	10	7.0	41	109	268	94	64	59
12	16	21	15	10	10	0.10	39	128	217	88	64	59
13	16	21	15	10	10	0.10	39	90	206	88	64	60
14	17	20	15	10	10	0.10	38	95	169	88	59	53
15	8.9	15	15	10	10	0.20	37	105	128	88	53	46
16	20	14	15	10	10	0.20	37	105	100	88	56	44
17	25	14	15	10	10	0.10	36	90	88	88	53	41
18	18	14	15	10	10	0.30	45	75	88	88	53	39
19	18	14	14	10	10	0.30	53	88	90	88	52	36
20	18	14	14	10	10	0.30	52	102	92	88	52	35
21	19	14	14	11	11	0.25	51	118	92	88	58	31
22	18	14	14	11	11	0.25	64	102	86	88	64	25
23	18	14	14	11	11	0.25	78	94	80	88	64	25
24	16	14	14	11	11	0.20	90	94	80	90	64	25
25	16	14	14	11	11	0.20	104	106	80	88	63	25
26	17	14	14	10	11	0.20	130	130	92	88	56	25
27	19	14	14	10	11	0.20	162	162	109	88	48	26
28	18	14	13	10	11	0.10	160	214	92	88	48	26
29	18	14	13	10	---	0.30	162	251	95	74	48	27
30	21	14	13	10	---	3.8	209	251	126	62	48	27
31	21	---	13	10	---	11	---	275	---	62	48	---
TOTAL	568.9	524	444	321	293	141.45	1758	4685	5026	3011	1853	1224
MEAN	18.4	17.5	14.3	10.4	10.5	4.56	58.6	151	168	97.1	59.8	40.8
AC-FT	1130	1040	881	637	581	281	3490	9290	9970	5970	3680	2430
MAX	38	23	15	12	11	12	209	283	328	139	82	60
MIN	8.9	14	13	10	10	0.10	10	75	80	62	48	25
CAL YR 1980 TOTAL	46717.2		MEAN	128	MAX	992	MIN	6.0	AC-FT	92660		
WTR YR 1981 TOTAL	19849.35		MEAN	54.4	MAX	328	MIN	0.10	AC-FT	39370		

MAX DISCH 332 CFS AT 2000 08-JUN-1981 GH 3.90 FT. SHIFT -0.01 FT. MAX GH 3.90 FT. AT 2000 08-JUN-1981



## RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1982)

**LOCATION.**--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

**DRAINAGE AREA.**--116 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder. Altitude of gage is 8,375 ft, from topographic map.

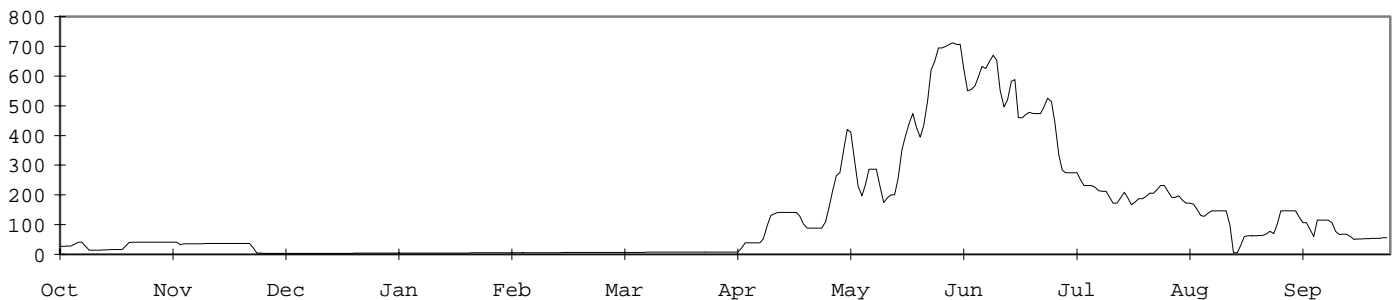
**RATING TABLE.**--ALABELCO09 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	41	3.5	4.2	5.3	6.6	7.9	212	700	442	212	146
2	27	41	3.5	4.3	5.3	6.6	7.9	265	706	336	192	146
3	28	32	3.5	4.3	5.4	6.6	7.9	275	712	283	192	146
4	28	36	3.5	4.3	5.4	6.7	7.9	352	706	275	197	146
5	34	36	3.5	4.4	5.5	6.7	7.9	420	706	275	182	146
6	41	36	3.5	4.4	5.5	6.8	22	411	626	275	172	126
7	41	36	3.5	4.4	5.6	6.8	39	316	550	275	172	107
8	27	36	3.5	4.4	5.6	6.8	39	229	555	251	169	107
9	14	36	3.5	4.5	5.6	6.9	39	197	566	232	152	84
10	14	37	3.5	4.5	5.7	6.9	39	235	598	232	130	60
11	14	37	3.5	4.5	5.7	7.0	39	286	632	232	128	115
12	14	37	3.5	4.6	5.8	7.0	53	286	626	226	139	115
13	15	37	3.5	4.6	5.8	7.1	94	286	648	214	146	115
14	15	37	3.5	4.6	5.9	7.1	130	226	670	212	146	115
15	16	37	3.5	4.7	5.9	7.1	137	174	654	212	146	107
16	16	37	3.7	4.7	6.0	7.2	141	190	550	192	146	77
17	16	37	3.7	4.7	6.0	7.2	141	200	496	172	146	67
18	16	37	3.7	4.8	6.1	7.3	141	200	520	172	98	68
19	28	37	3.7	4.8	6.1	7.3	141	255	582	190	5.8	68
20	40	37	3.7	4.8	6.2	7.4	141	352	588	209	5.8	60
21	41	37	3.9	4.8	6.2	7.4	141	398	460	190	31	51
22	41	37	3.9	4.9	6.3	7.4	128	442	460	167	60	52
23	41	21	4.0	4.9	6.3	7.5	102	474	470	177	62	52
24	41	4.8	4.0	4.9	6.3	7.5	88	429	478	187	62	53
25	41	4.8	4.0	5.0	6.4	7.6	88	394	474	187	62	53
26	41	3.7	4.1	5.0	6.4	7.6	88	434	474	195	63	54
27	41	3.5	4.1	5.0	6.5	7.6	88	515	474	206	63	54
28	41	3.5	4.1	5.1	6.5	7.7	88	620	496	206	69	54
29	41	3.5	4.1	5.1	---	7.7	109	648	525	217	77	56
30	41	3.5	4.2	5.2	---	7.8	157	694	515	232	70	56
31	41	---	4.2	5.2	---	7.8	---	694	---	232	102	---
TOTAL	922	859.3	115.6	145.6	165.3	222.7	2452.5	11109	17217	7103	3597.6	2656
MEAN	29.7	28.6	3.73	4.70	5.90	7.18	81.8	358	574	229	116	88.5
AC-FT	1830	1700	229	289	328	442	4860	22030	34150	14090	7140	5270
MAX	41	41	4.2	5.2	6.5	7.8	157	694	712	442	212	146
MIN	14	3.5	3.5	4.2	5.3	6.6	7.9	174	460	167	5.8	51

CAL YR 1981 TOTAL 20209.35 MEAN 55.4 MAX 328 MIN 0.10 AC-FT 40090  
WTR YR 1982 TOTAL 46565.6 MEAN 128 MAX 712 MIN 3.5 AC-FT 92360

MAX DISCH 816 CFS AT 1400 19-JUN-1982 GH 4.85 FT. SHIFT -0.01 FT. MAX GH 4.85 FT. AT 1400 19-JUN-1982



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1983)

LOCATION.--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

DRAINAGE AREA.--116 mi<sup>2</sup>.

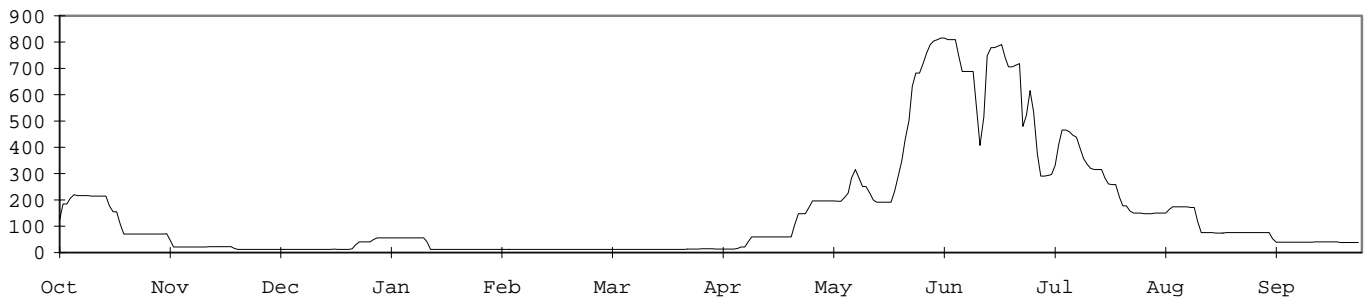
GAGE.--Water-stage recorder with satellite telemetry. Altitude of gage is 8,375 ft, from topographic map.

RATING TABLE.--ALABELC009 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	46	12	56	12	12	14	197	760	535	148	76
2	184	22	12	56	12	12	14	197	790	373	148	76
3	184	21	12	56	12	12	13	197	803	290	148	76
4	206	21	12	56	12	12	13	197	810	290	150	76
5	220	21	12	56	12	12	13	197	816	293	150	76
6	217	21	12	56	12	12	13	197	816	297	150	52
7	217	21	12	56	12	12	13	195	810	332	150	39
8	217	21	12	56	12	12	13	195	810	411	164	39
9	217	22	12	56	12	12	15	209	810	465	174	39
10	214	22	12	56	12	12	22	226	748	465	174	39
11	214	22	12	56	12	12	22	283	688	460	174	39
12	214	23	12	40	12	12	40	316	688	447	174	39
13	214	23	12	12	12	12	59	286	688	438	174	39
14	214	23	12	12	12	12	59	251	688	398	172	39
15	177	23	12	12	12	12	59	251	545	356	172	39
16	155	23	12	12	12	12	59	229	407	336	117	39
17	155	23	13	12	12	12	59	200	515	320	76	39
18	107	23	12	12	12	12	60	192	748	316	76	40
19	70	15	12	12	12	12	60	192	778	316	76	40
20	70	12	12	12	12	12	60	192	778	316	76	40
21	70	12	12	12	12	12	60	192	784	283	74	40
22	70	12	14	12	12	12	59	192	790	261	74	40
23	70	12	30	12	12	12	59	232	742	258	74	40
24	70	12	41	12	12	12	59	286	706	258	76	40
25	70	12	40	12	12	12	105	348	706	209	76	38
26	70	12	40	12	12	13	148	429	712	177	76	38
27	70	12	40	12	12	13	148	501	718	177	76	38
28	70	12	50	12	12	13	148	632	480	157	76	38
29	70	12	56	12	---	13	172	682	522	150	76	38
30	70	12	56	12	---	14	197	682	615	150	76	38
31	72	---	56	12	---	14	---	718	---	150	76	---
TOTAL	4363	568	676	884	336	380	1835	9293	21271	9684	3673	1369
MEAN	141	18.9	21.8	28.5	12.0	12.3	61.2	300	709	312	118	45.6
AC-FT	8650	1130	1340	1750	666	754	3640	18430	42190	19210	7290	2720
MAX	220	46	56	56	12	14	197	718	816	535	174	76
MIN	70	12	12	12	12	12	13	192	407	150	74	38
CAL YR 1982 TOTAL	50275.7		MEAN	138	MAX	712	MIN	4.2	AC-FT	99720		
WTR YR 1983 TOTAL	54332		MEAN	149	MAX	816	MIN	12	AC-FT	107800		

MAX DISCH 1258 CFS AT 1030 28-MAY-1983 GH 5.48 FT. SHIFT -0.02 FT. MAX GH 5.48 FT. AT 1030 28-MAY-1983



## RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1984)

**LOCATION.**--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

**DRAINAGE AREA.**--116 mi<sup>2</sup>.

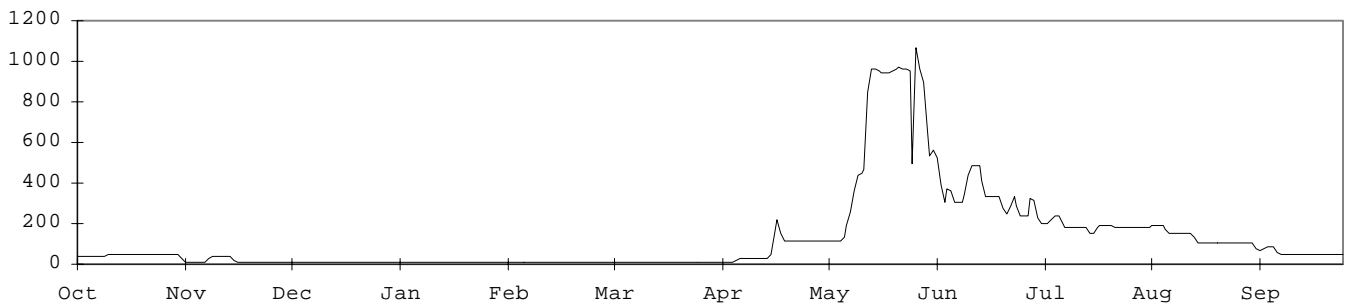
**GAGE.**--Water-stage recorder with satellite telemetry. Altitude of gage is 8,375 ft, from topographic map.

**RATING TABLE.**--ALABELCO09 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	10	5.8	6.0	6.5	7.8	8.5	115	900	242	182	107
2	38	10	6.0	6.0	6.5	7.8	8.5	115	648	320	179	107
3	38	10	6.0	6.0	6.5	7.9	8.5	115	535	313	179	107
4	38	10	6.0	6.0	6.5	7.9	8.5	115	560	229	177	107
5	38	10	6.0	6.0	6.6	8.0	8.5	113	520	203	177	80
6	38	10	6.0	6.0	6.6	8.0	8.5	113	390	203	187	65
7	39	10	6.2	6.0	6.6	8.1	9.1	113	301	200	192	77
8	39	27	6.2	6.0	6.6	8.1	15	113	369	220	190	86
9	39	40	6.2	6.0	6.6	8.2	29	135	361	239	190	86
10	44	40	6.0	6.0	6.7	8.2	30	190	309	239	169	86
11	47	40	6.0	6.1	6.7	8.2	30	258	309	200	155	59
12	47	40	6.0	6.1	6.7	8.2	31	365	309	182	155	50
13	47	40	6.0	6.1	6.7	8.2	31	434	344	182	155	50
14	47	40	6.0	6.1	6.7	8.2	28	447	442	182	155	51
15	47	18	6.0	6.1	6.8	8.2	28	470	483	182	155	51
16	47	5.0	6.0	6.2	6.8	8.3	27	852	483	179	155	51
17	47	5.0	6.0	6.2	6.9	8.3	26	959	483	179	155	52
18	47	5.0	6.0	6.2	6.9	8.3	47	959	411	179	135	52
19	48	5.2	6.0	6.2	7.0	8.3	161	952	336	150	107	52
20	48	5.2	6.0	6.2	7.0	8.3	217	946	336	150	107	52
21	48	5.2	6.2	6.3	7.1	8.3	152	940	336	179	107	52
22	48	5.5	6.2	6.3	7.1	8.3	113	946	336	187	107	52
23	48	5.5	6.0	6.3	7.2	8.4	113	952	336	187	107	52
24	48	5.5	6.0	6.3	7.3	8.4	113	966	279	187	107	52
25	48	5.5	6.0	6.3	7.4	8.4	113	972	245	187	107	52
26	48	5.5	6.0	6.4	7.4	8.4	115	959	283	184	107	52
27	48	5.5	6.0	6.4	7.5	8.4	113	966	336	184	107	52
28	48	5.5	6.0	6.4	7.6	8.4	115	952	290	184	107	52
29	50	5.5	6.0	6.4	7.7	8.4	115	500	242	184	107	52
30	50	5.5	6.0	6.4	---	8.4	115	1070	242	182	107	52
31	26	---	6.0	6.5	---	8.5	---	959	---	182	107	---
TOTAL	1371	435.1	186.8	191.5	200.2	254.8	1937.1	18061	11754	6200	4433	1948
MEAN	44.2	14.5	6.03	6.18	6.90	8.22	64.6	583	392	200	143	64.9
AC-FT	2720	863	371	380	397	505	3840	35820	23310	12300	8790	3860
MAX	50	40	6.2	6.5	7.7	8.5	217	1070	900	320	192	107
MIN	26	5.0	5.8	6.0	6.5	7.8	8.5	113	242	150	107	50
CAL YR 1983 TOTAL		50717.9	MEAN	139	MAX	816	MIN	5.0	AC-FT	100600		
WTR YR 1984 TOTAL		46972.5	MEAN	128	MAX	1070	MIN	5.0	AC-FT	93170		

MAX DISCH 1554 CFS AT 1030 30-MAY-1984 GH 5.78 FT. SHIFT 0.05 FT. MAX GH 5.78 FT. AT 1030 30-MAY-1984



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1985)

LOCATION.--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

DRAINAGE AREA.--116 mi<sup>2</sup>.

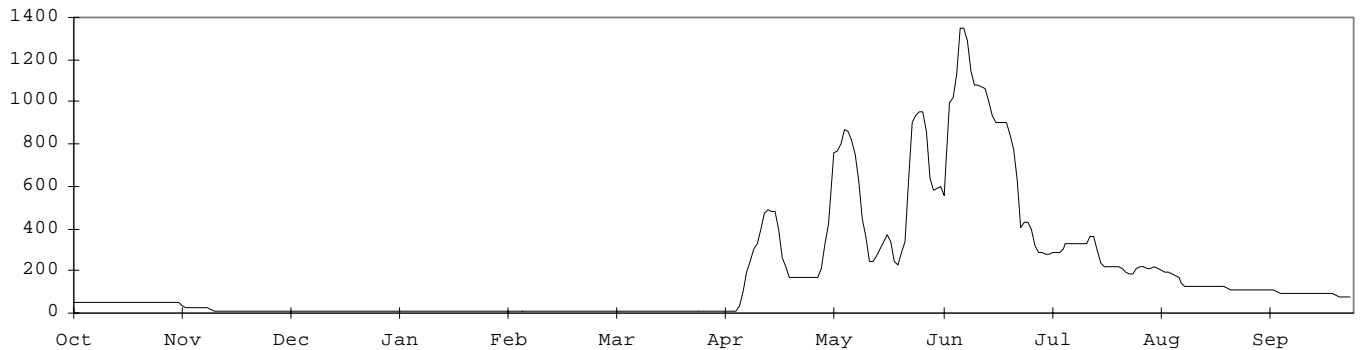
GAGE.--Water-stage recorder. Altitude of gage is 8,375 ft, from topographic map.

RATING TABLE.--ALABELC009 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	32	4.8	5.0	6.3	7.0	7.6	172	862	394	223	111
2	52	24	4.8	5.0	6.4	7.0	7.9	214	637	320	217	111
3	52	24	4.8	5.1	6.5	7.0	8.2	328	582	283	214	111
4	52	24	4.8	5.1	6.6	7.0	9.4	424	588	283	214	111
5	52	24	4.8	5.1	6.7	7.0	9.7	530	598	279	217	111
6	52	24	4.8	5.1	6.8	7.0	10	760	555	279	214	111
7	52	24	4.8	5.1	6.8	7.0	10	766	712	283	206	111
8	52	24	4.8	5.2	6.9	7.0	10	803	992	283	192	111
9	52	15	4.8	5.2	6.9	7.0	31	868	1020	286	192	100
10	52	6.8	4.8	5.2	7.0	7.0	100	862	1130	301	187	94
11	52	6.8	4.8	5.2	7.0	7.0	190	816	1350	328	179	94
12	52	7.0	4.8	5.2	7.0	7.0	242	748	1350	328	172	94
13	52	7.0	4.8	5.3	7.0	7.0	305	620	1290	328	143	94
14	52	7.0	4.8	5.3	7.0	7.0	328	447	1150	328	124	94
15	52	7.0	4.8	5.3	7.0	7.0	398	365	1080	332	128	94
16	52	7.0	4.8	5.3	7.0	7.0	474	242	1080	328	128	94
17	53	7.0	4.8	5.3	7.0	7.0	492	245	1070	328	128	94
18	53	7.0	4.8	5.3	7.0	7.0	483	272	1060	365	128	94
19	52	7.0	4.8	5.3	7.0	7.0	483	301	1000	365	128	94
20	52	7.0	4.8	5.4	7.0	7.0	394	340	933	297	128	94
21	52	7.0	4.8	5.4	7.0	7.0	261	369	900	239	128	94
22	52	7.0	4.8	5.5	7.0	7.0	220	340	900	220	128	95
23	52	7.0	4.8	5.5	7.0	7.0	172	248	900	220	128	95
24	52	7.3	4.9	5.6	7.0	7.3	172	226	900	220	128	95
25	52	7.3	4.9	5.7	7.0	8.2	172	283	842	220	128	95
26	52	7.3	4.9	5.8	7.0	7.9	172	340	778	220	117	88
27	52	7.3	4.9	5.9	7.0	7.6	172	627	632	212	113	76
28	52	7.3	4.9	6.0	7.0	7.6	172	900	404	192	113	76
29	53	7.3	5.0	6.1	---	7.9	172	940	434	184	113	76
30	53	5.8	5.0	6.1	---	7.6	172	952	429	187	111	76
31	53	---	5.0	6.2	---	7.6	---	952	---	212	111	---
TOTAL	1617	362.2	149.9	167.8	192.9	222.7	5849.8	16300	26158	8644	4780	2888
MEAN	52.2	12.1	4.84	5.41	6.89	7.18	195	526	872	279	154	96.3
AC-FT	3210	718	297	333	383	442	11600	32330	51880	17150	9480	5730
MAX	53	32	5.0	6.2	7.0	8.2	492	952	1350	394	223	111
MIN	52	5.8	4.8	5.0	6.3	7.0	7.6	172	404	184	111	76
CAL YR 1984 TOTAL	47108.7		MEAN	129	MAX	1070	MIN	4.8	AC-FT	93440		
WTR YR 1985 TOTAL	67332.3		MEAN	184	MAX	1350	MIN	4.8	AC-FT	133600		

MAX DISCH 1460 CFS AT 0600 12-JUN-1985 GH 5.78 FT. SHIFT -0.07 FT. MAX GH 5.78 FT. AT 0600 12-JUN-1982



## RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1986)

**LOCATION.**--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

**DRAINAGE AREA.**--116 mi<sup>2</sup>.

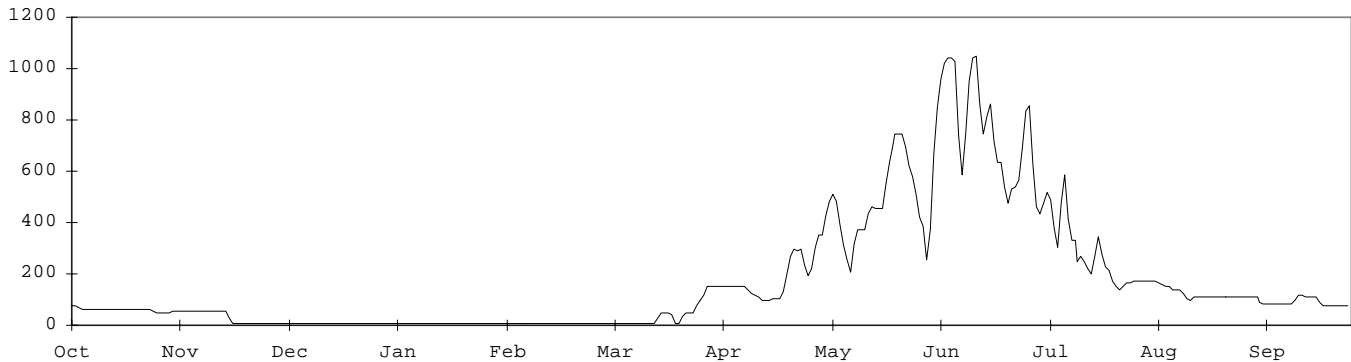
**GAGE.**--Water-stage recorder. Altitude of gage is 8,375 ft, from topographic map.

**RATING TABLE.**--ALABELCO09 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	56	5.2	6.2	7.0	9.1	152	305	386	855	174	107
2	76	56	5.2	6.2	7.0	9.1	152	352	255	626	172	107
3	70	54	5.2	6.2	7.0	9.1	152	352	369	465	172	107
4	60	54	5.2	6.2	7.0	9.4	152	429	670	434	172	107
5	60	54	5.3	6.4	7.0	9.4	152	483	848	478	169	90
6	62	54	5.3	6.4	7.0	9.4	150	510	959	520	169	80
7	62	54	5.3	6.4	7.0	9.4	150	483	1020	488	167	82
8	63	54	5.3	6.4	7.0	9.4	150	390	1040	381	157	83
9	63	54	5.3	6.4	7.0	9.4	150	313	1040	301	152	83
10	63	54	5.4	6.7	7.0	9.7	150	255	1030	478	150	83
11	63	54	5.4	6.7	7.0	9.4	152	209	736	588	139	83
12	63	54	5.4	6.7	7.0	9.4	141	316	588	411	137	83
13	63	54	5.4	6.7	7.2	9.7	124	369	742	328	135	83
14	63	54	5.4	6.7	7.2	9.7	118	369	952	328	126	83
15	63	28	5.5	6.7	7.4	9.7	113	369	1040	251	106	100
16	63	4.8	5.5	7.0	7.6	10	100	434	1050	268	100	115
17	63	4.8	5.5	7.0	7.6	27	95	460	862	251	111	115
18	63	4.8	5.5	7.0	7.8	46	99	456	748	220	111	113
19	64	4.8	5.5	7.0	7.8	46	102	456	816	197	109	113
20	64	5.0	5.8	7.0	8.0	46	102	456	862	268	109	113
21	64	5.0	5.8	7.0	8.2	40	104	550	718	348	109	113
22	64	5.0	5.8	7.0	8.2	9.4	130	637	637	279	109	89
23	64	5.0	5.8	7.0	8.4	9.4	197	706	637	229	109	76
24	57	5.0	6.0	7.0	8.4	32	268	742	540	212	109	76
25	51	5.1	6.0	7.0	8.6	48	297	742	474	174	109	76
26	51	5.1	6.0	7.0	8.8	48	293	742	529	150	109	76
27	51	5.1	6.0	7.0	8.8	50	297	700	535	137	109	76
28	51	5.1	6.0	7.0	9.0	78	235	620	566	155	109	76
29	51	5.1	6.0	7.0	---	99	190	576	688	164	107	76
30	52	5.2	6.2	7.0	---	120	223	510	836	164	107	76
31	54	---	6.2	7.0	---	152	---	420	---	169	107	---
TOTAL	1897	862.9	173.4	209.0	213.0	1002.1	4890	14711	22173	10317	4030	2740
MEAN	61.2	28.8	5.59	6.74	7.61	32.3	163	475	739	333	130	91.3
AC-FT	3760	1710	344	415	422	1990	9700	29180	43980	20460	7990	5430
MAX	76	56	6.2	7.0	9.0	152	297	742	1050	855	174	115
MIN	51	4.8	5.2	6.2	7.0	9.1	95	209	255	137	100	76
CAL YR 1985 TOTAL	68136.5		MEAN	187	MAX	1350	MIN	4.8	AC-FT	135100		
WTR YR 1986 TOTAL	63218.4		MEAN	173	MAX	1050	MIN	4.8	AC-FT	125400		

MAX DISCH 1050 CFS AT 1400 16-JUN-1986 GH 5.28 FT. SHIFT -0.08 FT. MAX GH 5.28 FT. AT 1400 16-JUN-1986



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1987)

LOCATION.--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

DRAINAGE AREA.--116 mi<sup>2</sup>.

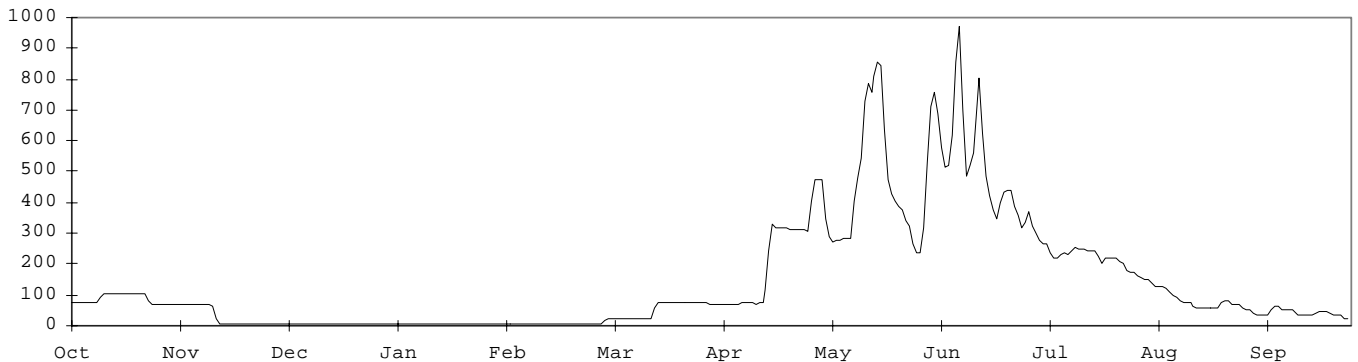
GAGE.--Water-stage recorder with satellite telemetry. Altitude of gage is 8,375 ft, from topographic map.

RATING TABLE.--ALABELC009 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	68	6.0	6.4	7.6	7.9	72	474	316	369	160	53
2	76	68	6.0	6.4	7.6	15	70	474	530	325	155	53
3	76	68	6.0	6.5	7.6	24	70	474	712	301	152	42
4	76	68	6.0	6.5	7.7	24	70	348	760	279	152	37
5	76	67	6.0	6.5	7.7	24	70	290	689	268	137	37
6	76	67	6.0	6.6	7.7	24	70	273	577	265	126	37
7	77	67	6.0	6.6	7.7	24	72	279	516	235	126	37
8	77	67	6.0	6.7	7.7	24	72	279	520	220	126	53
9	94	67	6.0	6.7	7.7	24	72	283	616	220	124	62
10	106	65	6.0	6.8	7.7	24	73	283	855	229	111	62
11	106	26	6.0	6.8	7.7	24	73	286	972	235	99	54
12	106	5.0	6.0	6.9	7.8	24	73	403	700	232	95	50
13	106	5.0	6.0	6.9	7.8	25	73	481	483	245	82	50
14	106	5.0	6.0	6.9	7.8	25	72	542	520	255	73	50
15	106	5.0	6.0	7.0	7.8	26	76	726	560	251	73	40
16	106	5.2	6.0	7.0	7.8	59	77	785	718	248	73	35
17	106	5.2	6.0	7.1	7.8	77	118	760	803	248	64	35
18	106	5.2	6.0	7.1	7.8	77	242	811	624	245	58	35
19	106	5.2	6.0	7.2	7.8	77	328	858	483	245	58	35
20	106	5.2	6.0	7.2	7.8	77	320	842	424	245	58	35
21	106	5.2	6.0	7.3	7.8	76	320	634	373	226	58	42
22	106	5.5	6.0	7.3	7.8	76	320	474	348	200	58	46
23	80	5.5	6.0	7.4	7.8	76	320	427	398	220	58	46
24	68	5.5	6.0	7.4	7.8	74	313	407	434	217	58	47
25	67	5.5	6.1	7.5	7.8	74	313	388	438	217	73	40
26	68	5.5	6.1	7.5	7.9	74	313	373	438	217	82	37
27	68	5.5	6.1	7.6	7.9	74	313	339	386	206	83	37
28	68	5.8	6.2	7.6	7.9	73	313	324	357	203	72	37
29	68	5.8	6.2	7.6	---	73	309	268	316	182	67	26
30	68	5.8	6.3	7.6	---	73	407	239	336	174	67	21
31	68	---	6.3	7.6	---	73	---	239	---	174	58	---
TOTAL	2705	799.6	187.3	218.2	217.3	1521.9	5404	14063	16202	7396	2836	1271
MEAN	87.3	26.7	6.04	7.04	7.76	49.1	180	454	540	239	91.5	42.4
AC-FT	5370	1590	372	433	431	3020	10720	27890	32140	14670	5630	2520
MAX	106	68	6.3	7.6	7.9	77	407	858	972	369	160	62
MIN	67	5.0	6.0	6.4	7.6	7.9	70	239	316	174	58	21
CAL YR 1986 TOTAL	63977.0		MEAN	175	MAX	1050	MIN	5.0	AC-FT	126900		
WTR YR 1987 TOTAL	52821.3		MEAN	145	MAX	972	MIN	5.0	AC-FT	104800		

MAX DISCH 985 CFS AT 0230 12-JUN-1987 GH 5.20 FT. SHIFT -0.10 FT. MAX GH 5.20 FT. AT 0230 12-JUN-1987



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1988)

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.

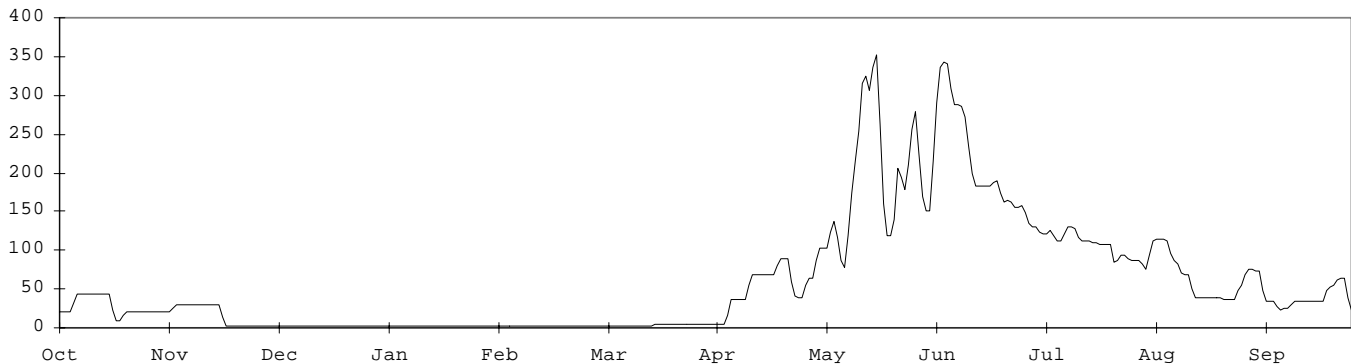
RATING TABLE.--ALABELC009 USED FROM 01-OCT-1987 TO 28-MAR-1988  
 ALABELC011 USED FROM 29-MAR-1988 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	21	2.0	2.2	3.1	3.2	4.1	65	169	135	88	76
2	21	25	2.0	2.2	3.1	3.2	4.3	88	150	130	83	76
3	21	30	2.0	2.3	3.1	3.3	4.3	102	151	130	76	74
4	21	30	2.0	2.3	3.1	3.3	4.3	102	214	124	94	74
5	33	30	2.0	2.3	3.1	3.3	4.3	104	290	122	111	48
6	44	30	2.0	2.4	3.1	3.3	4.3	124	336	122	115	35
7	44	30	2.0	2.4	3.1	3.3	15	137	344	126	115	35
8	44	30	2.0	2.4	3.1	3.3	37	117	340	120	115	35
9	44	30	2.0	2.5	3.1	3.3	36	86	308	113	113	28
10	44	30	2.0	2.5	3.1	3.4	36	77	288	113	97	24
11	44	30	2.0	2.5	3.1	3.4	36	118	288	122	86	25
12	44	30	2.0	2.6	3.2	3.4	36	174	285	130	82	25
13	44	30	2.1	2.6	3.2	3.4	54	216	272	130	72	30
14	44	30	2.1	2.6	3.2	3.4	68	254	233	128	69	35
15	44	30	2.1	2.7	3.2	3.4	68	316	200	117	68	35
16	23	14	2.1	2.7	3.2	3.4	68	324	184	111	51	35
17	10	1.9	2.1	2.7	3.2	3.5	68	307	184	111	39	35
18	10	1.9	2.1	2.8	3.2	3.5	68	336	182	111	39	35
19	16	1.9	2.1	2.8	3.2	3.5	68	352	182	109	39	35
20	21	1.9	2.1	2.8	3.2	3.5	68	264	182	109	39	35
21	21	1.9	2.1	2.9	3.2	3.5	80	161	187	107	38	35
22	21	1.9	2.2	2.9	3.2	3.5	90	120	190	107	38	35
23	21	1.8	2.2	2.9	3.2	3.6	89	120	174	107	38	47
24	21	1.8	2.2	3.0	3.2	3.6	89	140	162	107	38	53
25	21	1.8	2.2	3.0	3.2	3.6	59	205	164	84	37	54
26	21	1.9	2.2	3.1	3.2	3.6	41	194	162	86	37	62
27	21	1.9	2.2	3.1	3.2	3.6	40	179	155	94	37	65
28	21	2.0	2.2	3.1	3.2	3.6	40	211	155	94	36	64
29	21	2.0	2.2	3.1	3.2	3.6	56	255	157	90	47	38
30	21	2.0	2.2	3.1	---	3.9	65	278	148	88	54	22
31	21	---	2.2	3.1	---	4.1	---	224	---	88	68	---
TOTAL	868	476.6	64.9	83.6	91.7	107.5	1400.6	5750	6436	3465	2059	1305
MEAN	28.0	15.9	2.09	2.70	3.16	3.47	46.7	185	215	112	66.4	43.5
AC-FT	1720	945	129	166	182	213	2780	11410	12770	6870	4080	2590
MAX	44	30	2.2	3.1	3.2	4.1	90	352	344	135	115	76
MIN	10	1.8	2.0	2.2	3.1	3.2	4.1	65	148	84	36	22

CAL YR 1987 TOTAL 50538.9 MEAN 138 MAX 972 MIN 1.8 AC-FT 100200  
 WTR YR 1988 TOTAL 22107.9 MEAN 60.4 MAX 352 MIN 1.8 AC-FT 43850

MAX DISCH 356 CFS AT 1100 19-MAY-1988 GH 2.99 FT. SHIFT -0.03 FT. MAX GH 2.99 FT. AT 1100 19-MAY-1988



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1989)

LOCATION.--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

DRAINAGE AREA.--116 mi<sup>2</sup>.

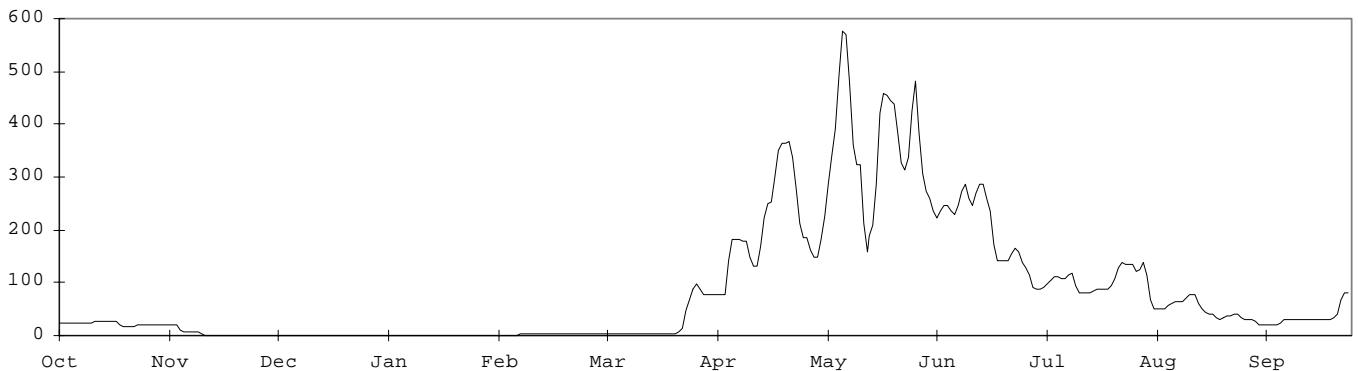
GAGE.--Water-stage recorder with satellite telemetry. Altitude of gage is 8,375 ft, from topographic map.

RATING TABLE.--ALABELC011 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	20	1.3	1.2	1.4	2.0	76	162	384	128	122	30
2	22	20	1.3	1.2	1.6	2.0	77	148	308	113	126	30
3	22	20	1.3	1.3	1.6	2.2	77	148	274	92	137	30
4	22	11	1.3	1.3	1.6	2.2	78	182	260	86	115	27
5	22	5.5	1.3	1.3	1.6	2.2	78	227	236	86	68	21
6	23	5.5	1.3	1.3	1.6	2.2	78	285	224	92	52	21
7	23	5.5	1.2	1.3	1.6	2.2	78	340	236	99	52	21
8	23	5.5	1.2	1.3	1.9	2.2	143	392	245	106	52	21
9	23	5.5	1.2	1.3	1.9	2.4	182	491	245	111	52	21
10	24	4.4	1.2	1.4	1.9	2.5	182	575	236	111	57	21
11	28	1.2	1.2	1.4	1.9	2.5	182	570	230	109	62	24
12	28	1.0	1.2	1.4	1.9	2.7	179	478	245	109	63	29
13	28	1.0	1.2	1.4	1.9	2.9	179	360	274	115	63	29
14	27	1.0	1.2	1.4	1.9	2.9	150	324	288	117	63	29
15	27	1.0	1.2	1.4	1.9	2.9	132	324	260	94	72	29
16	27	1.0	1.2	1.4	1.8	2.9	132	211	245	82	78	29
17	27	1.0	1.2	1.4	1.8	3.1	167	160	271	80	78	29
18	21	1.3	1.2	1.4	1.8	3.3	224	190	285	80	78	29
19	18	1.3	1.2	1.4	1.8	3.3	248	208	285	80	60	29
20	18	1.3	1.2	1.4	1.8	3.3	254	285	260	84	50	29
21	18	1.3	1.2	1.4	1.8	3.1	300	421	236	88	45	29
22	18	1.3	1.2	1.4	1.8	3.1	352	460	172	88	40	29
23	20	1.3	1.2	1.4	1.8	3.3	364	455	143	88	40	29
24	20	1.3	1.2	1.4	1.8	3.3	364	446	143	86	35	29
25	20	1.3	1.2	1.4	1.8	8.4	368	438	143	94	30	29
26	20	1.3	1.2	1.4	1.8	14	336	384	141	107	35	35
27	20	1.3	1.2	1.4	1.8	46	278	328	155	128	38	39
28	20	1.3	1.2	1.4	1.9	67	214	312	164	137	38	67
29	20	1.3	1.2	1.4	---	86	187	336	157	135	39	80
30	20	1.3	1.2	1.4	---	99	187	425	139	135	39	80
31	20	---	1.2	1.4	---	86	---	482	---	135	34	---
TOTAL	691	127.0	37.8	42.3	49.7	471.1	5846	10547	6884	3195	1913	974
MEAN	22.3	4.23	1.22	1.36	1.77	15.2	195	340	229	103	61.7	32.5
AC-FT	1370	252	75	84	99	934	11600	20920	13650	6340	3790	1930
MAX	28	20	1.3	1.4	1.9	99	368	575	384	137	137	80
MIN	18	1.0	1.2	1.2	1.4	2.0	76	148	139	80	30	21
CAL YR 1988 TOTAL	21554.2		MEAN	58.9	MAX	352	MIN	1.0	AC-FT	42750		
WTR YR 1989 TOTAL	30777.9		MEAN	84.3	MAX	575	MIN	1.0	AC-FT	61050		

MAX DISCH 580 CFS AT 1200 09-MAY-1989 GH 3.40 FT. SHIFT +0.07 FT. MAX GH 3.42 FT. AT 1200 30-MAY-1989



## RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO (1990)

**LOCATION.**--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

**DRAINAGE AREA.**--116 mi<sup>2</sup>.

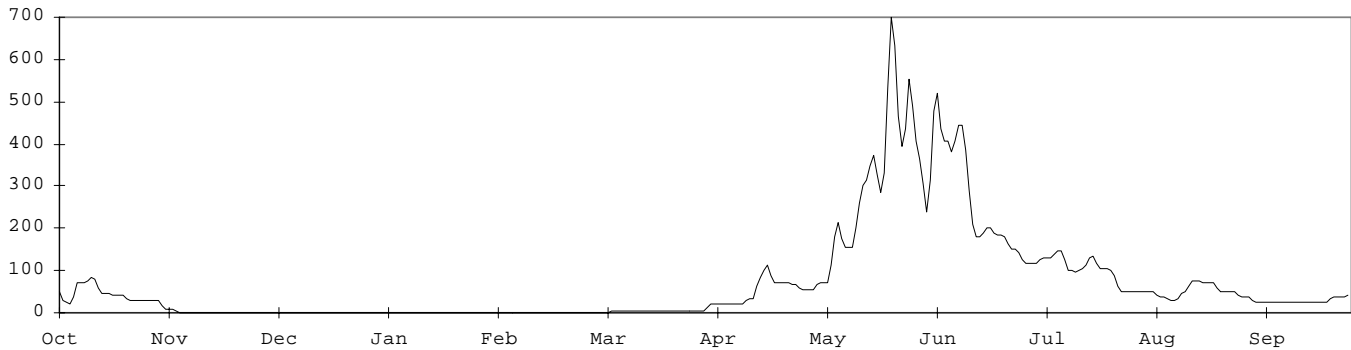
**GAGE.**--Water-stage recorder with satellite telemetry. Altitude of gage is 8,375 ft, from topographic map.

**RATING TABLE.**--ALABELC011 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	9.4	1.8	1.8	1.6	1.9	2.4	56	364	117	51	37
2	28	9.4	1.8	1.8	1.6	1.9	11	56	304	117	51	37
3	24	4.7	1.8	1.8	1.6	2.0	21	67	239	117	51	29
4	22	1.0	1.8	1.8	1.6	2.0	21	73	316	117	51	24
5	38	1.0	1.8	1.8	1.6	2.0	21	73	478	124	51	24
6	72	1.0	1.8	1.8	1.6	2.2	21	73	518	130	51	24
7	70	1.0	1.8	1.8	1.6	2.2	21	113	438	130	42	24
8	70	1.0	1.8	1.8	1.8	2.4	21	182	408	130	38	24
9	77	1.0	1.8	1.8	1.8	2.4	21	214	408	139	38	24
10	82	1.0	1.8	1.8	1.8	2.4	21	177	380	146	32	24
11	80	1.0	1.8	1.8	1.8	2.4	21	155	408	146	28	24
12	58	1.0	1.8	1.8	1.9	2.4	21	155	446	124	28	24
13	47	1.0	1.8	1.8	1.9	2.4	28	155	446	102	34	24
14	47	1.0	1.8	1.8	1.9	2.4	33	203	384	99	45	24
15	47	1.3	1.8	1.8	1.9	2.4	33	260	288	97	51	24
16	44	1.3	1.8	1.8	1.9	2.4	64	300	208	102	64	24
17	41	1.3	1.8	1.8	1.9	2.4	84	316	179	106	74	24
18	41	1.4	1.8	1.8	1.9	2.4	102	348	179	113	74	24
19	41	1.4	1.8	1.8	1.9	2.4	113	372	190	128	74	24
20	34	1.4	1.8	1.8	1.9	2.4	88	328	200	135	73	24
21	31	1.4	1.8	1.8	1.9	2.4	73	285	200	117	73	24
22	31	1.4	1.8	1.8	1.9	2.4	73	332	190	104	73	24
23	31	1.4	1.8	1.8	1.9	2.4	73	531	184	104	73	24
24	31	1.8	1.8	1.8	1.9	2.4	73	698	184	104	60	24
25	31	1.8	1.8	1.8	1.9	2.4	73	634	182	102	50	32
26	31	1.8	1.8	1.8	1.9	2.4	69	464	164	88	50	38
27	31	1.8	1.8	1.8	1.9	2.4	65	392	152	62	50	39
28	31	1.8	1.8	1.8	1.9	2.4	59	438	150	51	50	39
29	31	1.8	1.8	1.8	---	2.4	54	555	141	51	50	39
30	18	1.8	1.8	1.6	---	2.4	56	491	124	51	41	40
31	9.4	---	1.8	1.6	---	2.4	---	408	---	51	37	---
TOTAL	1319.4	59.4	55.8	55.4	50.7	71.8	1436.4	8904	8452	3304	1608	834
MEAN	42.6	1.98	1.80	1.79	1.81	2.32	47.9	287	282	107	51.9	27.8
AC-FT	2620	118	111	110	101	142	2850	17660	16760	6550	3190	1650
MAX	82	9.4	1.8	1.8	1.9	2.4	113	698	518	146	74	40
MIN	9.4	1.0	1.8	1.6	1.6	1.9	2.4	56	124	51	28	24
CAL YR 1989 TOTAL		31356.7	MEAN	85.9	MAX	575	MIN	1.0	AC-FT	62200		
WTR YR 1990 TOTAL		26150.9	MEAN	71.6	MAX	698	MIN	1.0	AC-FT	51870		

MAX DISCH 746 CFS AT 1830 24-MAY-1990 GH 3.79 FT. SHIFT -0.03 FT. MAX GH 3.79 FT. AT 1830 24-MAY-1990



RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO (1983)

**LOCATION.**--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

**DRAINAGE AREA.**--98 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,130 ft from topographic map.

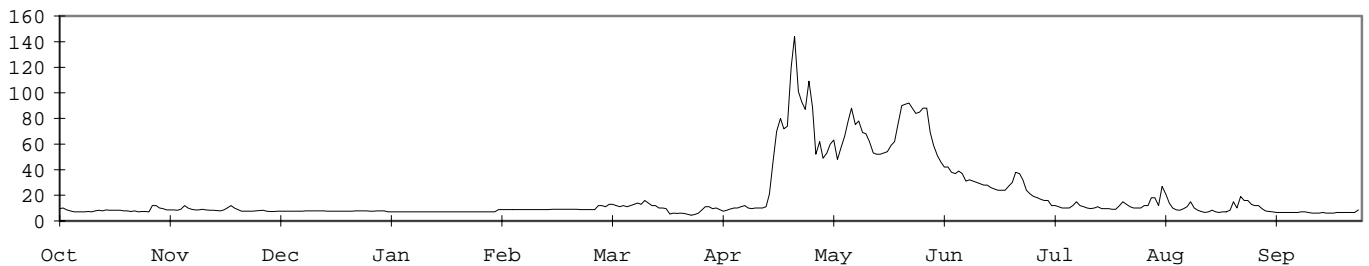
**REMARKS.**--Flow regulated by La Jara Reservoir.

**RATING TABLE.**--LAJCAPCO16 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	8.6	7.7	7.1	8.9	12	11	52	88	19	12	12
2	10	8.6	7.7	7.0	8.9	12	9.6	62	69	18	12	12
3	8.6	8.4	7.7	7.1	8.9	11	10	49	59	17	18	9.6
4	7.8	9.0	7.7	7.1	8.9	13	8.8	53	51	16	18	7.8
5	7.0	12	7.7	7.1	8.9	13	7.6	60	46	16	12	7.4
6	7.0	10	7.7	7.1	8.9	12	8.4	63	42	12	27	7.0
7	7.0	9.1	7.7	7.1	8.9	11	9.4	48	42	12	21	6.6
8	7.0	8.6	7.7	7.1	8.9	12	10	57	38	11	14	6.6
9	7.4	8.6	7.8	7.1	8.9	11	10	66	37	10	10	6.6
10	7.0	9.1	7.8	7.1	8.9	12	11	78	39	10	8.6	6.6
11	7.8	8.6	7.8	7.1	8.9	13	12	88	37	10	8.2	6.6
12	8.2	8.2	7.8	7.1	8.9	14	10	75	31	12	9.6	6.6
13	7.8	8.4	7.8	7.1	8.9	13	9.5	78	32	15	11	6.6
14	8.6	8.0	7.8	7.1	8.9	16	10	69	31	12	15	7.0
15	8.2	7.8	7.7	7.1	8.9	14	10	68	30	11	10	7.0
16	8.2	8.6	7.7	7.1	9.0	12	10	62	29	10	8.2	6.6
17	8.2	10	7.7	7.1	9.0	12	11	53	28	9.6	7.4	6.2
18	8.2	12	7.7	7.1	9.0	10	21	52	28	10	6.6	6.2
19	7.8	10	7.7	7.1	9.0	10	48	52	26	11	7.0	6.2
20	7.8	8.8	7.7	7.1	9.0	9.6	70	53	25	9.6	8.2	6.6
21	7.4	7.6	7.7	7.1	9.0	5.4	80	54	24	9.6	7.0	6.2
22	7.8	7.6	7.7	7.1	9.0	6.2	72	59	24	9.6	6.6	6.2
23	7.0	7.6	7.8	7.1	9.0	5.8	74	62	24	9.1	7.0	6.2
24	7.4	7.6	7.8	7.1	8.9	6.2	120	75	27	9.1	7.0	6.6
25	7.4	7.8	7.8	7.1	8.9	5.8	144	90	30	12	8.2	6.6
26	7.0	8.0	7.8	7.1	8.9	5.1	101	91	38	15	15	6.6
27	12	8.2	7.7	7.1	8.9	4.4	93	92	37	13	10	6.6
28	12	7.6	7.7	7.1	8.9	4.8	87	88	32	11	19	6.6
29	10	7.4	7.8	7.1	---	6.2	109	84	24	10	16	6.6
30	9.6	7.4	7.8	7.1	---	8.6	89	85	21	10	16	8.6
31	8.6	---	7.8	7.1	---	11	---	88	---	10	13	---
TOTAL	255.4	259.2	240.0	220.0	250.0	312.1	1276.3	2106	1089	369.6	368.6	214.6
MEAN	8.24	8.64	7.74	7.10	8.93	10.1	42.5	67.9	36.3	11.9	11.9	7.15
AC-FT	507	514	476	436	496	619	2530	4180	2160	733	731	426
MAX	12	12	7.8	7.1	9.0	16	144	92	88	19	27	12
MIN	7.0	7.4	7.7	7.0	8.9	4.4	7.6	48	21	9.1	6.6	6.2
CAL YR 1982 TOTAL		6380.6	MEAN	17.5	MAX	126	MIN	3.0	AC-FT	12660		
WTR YR 1983 TOTAL		6960.8	MEAN	19.1	MAX	144	MIN	4.4	AC-FT	13810		

MAX DISCH 228 CFS AT 0200 25-APR-1983 GH 4.10 FT. SHIFT 0.05 FT. MAX GH 4.10 FT. AT 0200 25-APR-1983



## RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO (1984)

**LOCATION.**--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

**DRAINAGE AREA.**--98 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,130 ft from topographic map.

**REMARKS.**--Flow regulated by La Jara Reservoir.

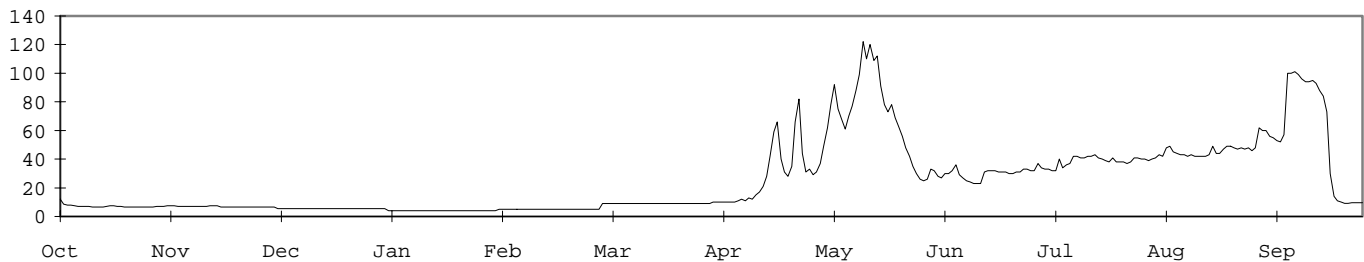
**RATING TABLE.**--LAJCAPCO16 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	7.4	5.5	4.0	5.0	9.0	10	37	33	37	39	62
2	8.6	7.4	5.5	4.0	5.0	9.0	10	49	32	34	40	60
3	7.8	7.0	5.5	4.0	5.0	9.0	10	62	28	33	41	60
4	7.8	7.0	5.5	4.0	5.0	9.0	10	78	27	33	43	56
5	7.4	7.0	5.5	4.0	5.0	9.0	10	92	30	32	42	55
6	7.0	7.0	5.5	4.0	5.0	9.0	10	75	30	32	48	53
7	7.0	7.0	5.5	4.0	5.0	9.0	10	68	32	40	49	52
8	7.0	7.0	5.5	4.0	5.0	9.0	11	61	36	34	45	57
9	7.0	7.0	5.5	4.0	5.0	9.0	12	70	29	36	44	100
10	6.6	7.0	5.5	4.0	5.0	9.0	11	77	27	37	43	100
11	6.6	7.0	5.5	4.0	5.0	9.0	13	88	25	42	43	101
12	6.6	7.4	5.5	4.0	5.0	9.0	12	99	24	42	42	99
13	6.6	7.4	5.5	4.0	5.0	9.0	15	122	23	41	43	96
14	7.0	7.4	5.5	4.0	5.0	9.0	17	110	23	41	42	94
15	7.4	6.5	5.5	4.0	5.0	9.0	21	120	23	42	42	94
16	7.4	6.5	5.5	4.0	5.0	9.0	28	109	31	42	42	95
17	7.0	6.5	5.5	4.0	5.0	9.0	42	112	32	43	42	93
18	7.0	6.5	5.5	4.0	5.0	9.0	59	91	32	41	43	88
19	6.6	6.5	5.5	4.0	5.0	9.0	66	78	32	40	49	84
20	6.6	6.5	5.5	4.0	5.0	9.0	40	73	31	39	44	73
21	6.6	6.5	5.5	4.0	5.0	9.0	31	78	31	38	44	30
22	6.6	6.5	5.5	4.0	5.0	9.0	28	69	31	41	47	14
23	6.6	6.5	5.5	4.0	5.0	9.0	35	63	30	38	49	11
24	6.6	6.5	5.5	4.0	5.0	9.0	66	56	30	38	49	10
25	6.6	6.5	5.5	4.0	5.0	9.0	82	48	31	38	48	9.1
26	6.6	6.5	5.5	4.0	5.0	9.0	44	42	31	37	47	9.1
27	6.6	6.5	5.5	4.0	5.0	9.0	31	35	33	38	48	9.6
28	7.0	6.5	5.5	4.0	5.0	9.0	33	30	33	41	47	9.6
29	7.0	6.5	5.5	4.0	5.0	9.0	29	26	32	41	48	9.6
30	7.0	6.5	5.5	4.0	---	9.0	31	25	32	40	46	9.6
31	7.4	---	5.5	4.0	---	9.0	---	26	---	40	48	---
TOTAL	221.6	204.0	170.5	124.0	145.0	279.0	827	2169	894	1191	1387	1693.6
MEAN	7.15	6.80	5.50	4.00	5.00	9.00	27.6	70.0	29.8	38.4	44.7	56.5
AC-FT	440	405	338	246	288	553	1640	4300	1770	2360	2750	3360
MAX	12	7.4	5.5	4.0	5.0	9.0	82	122	36	43	49	101
MIN	6.6	6.5	5.5	4.0	5.0	9.0	10	25	23	32	39	9.1

CAL YR 1983 TOTAL 6802.3 MEAN 18.6 MAX 144 MIN 4.4 AC-FT 13490  
WTR YR 1984 TOTAL 9305.7 MEAN 25.4 MAX 122 MIN 4.0 AC-FT 18460

MAX DISCH 167 CFS AT 0600 13-MAY-1984 GH 3.67 FT. SHIFT 0.09 FT. MAX GH 3.67 FT. AT 0600 13-MAY-1984



## RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO (1985)

**LOCATION.**--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

**DRAINAGE AREA.**--98 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,130 ft from topographic map.

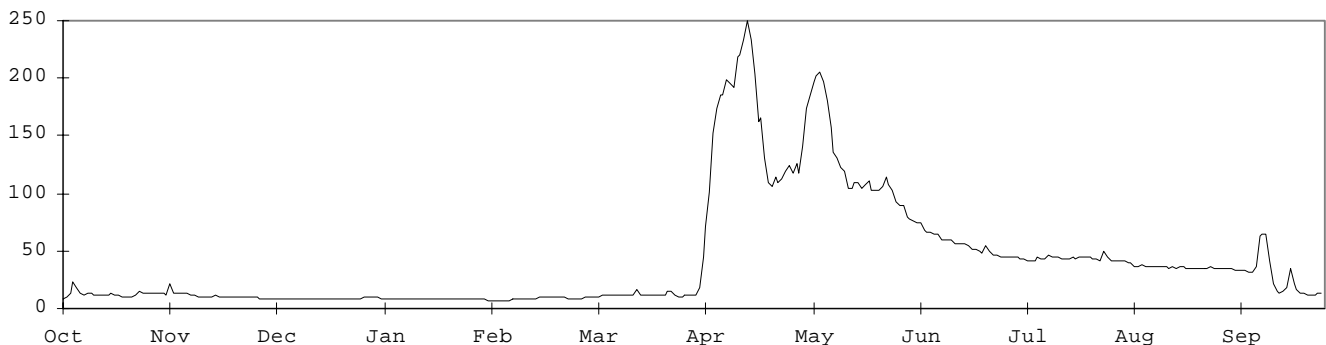
**REMARKS.**--Flow regulated by La Jara Reservoir.

**RATING TABLE.**--LAJCAPCO16 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	21	8.5	8.5	7.0	10	11	126	90	44	41	34
2	10	14	8.5	8.5	7.0	10	12	118	80	44	42	34
3	14	14	8.5	8.5	7.0	10	18	141	78	44	42	34
4	24	13	8.5	8.5	7.0	10	45	174	76	44	42	34
5	18	14	8.5	8.5	7.0	10	71	185	75	43	40	33
6	13	13	8.5	8.5	7.0	12	101	197	75	43	39	33
7	11	12	8.5	8.5	7.0	12	153	202	68	42	37	33
8	13	11	8.5	8.5	8.5	12	174	206	66	42	37	33
9	14	10	8.5	8.5	8.5	12	185	197	66	42	38	32
10	12	10	8.5	8.5	8.5	12	186	180	64	44	37	32
11	11	10	9.0	8.0	8.5	12	198	158	64	43	37	37
12	11	10	9.0	8.0	8.5	12	196	136	60	43	37	63
13	12	10	9.0	8.0	8.5	12	192	130	60	46	37	64
14	12	11	9.0	8.0	8.5	12	218	122	60	44	37	64
15	13	9.5	9.0	8.0	8.5	12	220	120	59	45	36	42
16	11	9.5	9.0	8.0	9.5	16	234	105	56	44	36	21
17	12	9.5	7.5	8.0	9.5	12	250	105	56	43	35	15
18	10	9.5	7.5	8.0	9.5	12	233	110	56	43	36	13
19	9.6	9.5	7.5	9.0	9.5	11	203	110	56	43	35	15
20	10	9.5	7.5	9.0	9.5	11	163	104	54	44	36	18
21	10	9.5	7.5	9.0	9.5	11	166	107	52	43	36	35
22	12	9.5	7.5	9.0	9.5	11	131	111	51	44	35	21
23	15	9.5	7.5	9.0	9.5	12	109	103	49	44	35	17
24	14	9.5	7.5	9.0	8.5	12	106	102	48	44	35	14
25	14	9.5	7.5	9.0	8.5	15	115	103	54	44	35	13
26	13	9.5	7.5	9.0	8.5	15	109	106	49	43	35	12
27	14	8.5	9.5	9.0	8.5	12	112	114	46	43	35	12
28	13	8.5	9.5	8.5	8.5	10	119	107	46	42	35	12
29	13	8.5	9.5	8.5	---	10	124	102	45	49	36	13
30	13	8.5	9.5	8.5	---	11	118	93	44	44	35	13
31	11	---	9.5	8.5	---	12	---	89	---	42	34	---
TOTAL	391.7	321.0	261.5	264.0	235.5	363	4272	4063	1803	1352	1143	846
MEAN	12.6	10.7	8.44	8.52	8.41	11.7	142	131	60.1	43.6	36.9	28.2
AC-FT	777	637	519	524	467	720	8470	8060	3580	2680	2270	1680
MAX	24	21	9.5	9.0	9.5	16	250	206	90	49	42	64
MIN	9.1	8.5	7.5	8.0	7.0	10	11	89	44	42	34	12
CAL YR 1984 TOTAL		9683.8	MEAN	26.5	MAX	122	MIN	4.0	AC-FT	19210		
WTR YR 1985 TOTAL		15315.7	MEAN	42.0	MAX	250	MIN	7.0	AC-FT	30380		

MAX DISCH 338 CFS AT 0030 17-APR-1985 GH 4.48 FT. SHIFT +0.28 FT. MAX GH 4.48 FT. AT 0030 17-APR-1985



## RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO (1986)

**LOCATION.**--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

**DRAINAGE AREA.**--98 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,130 ft from topographic map.

**REMARKS.**--Flow regulated by La Jara Reservoir.

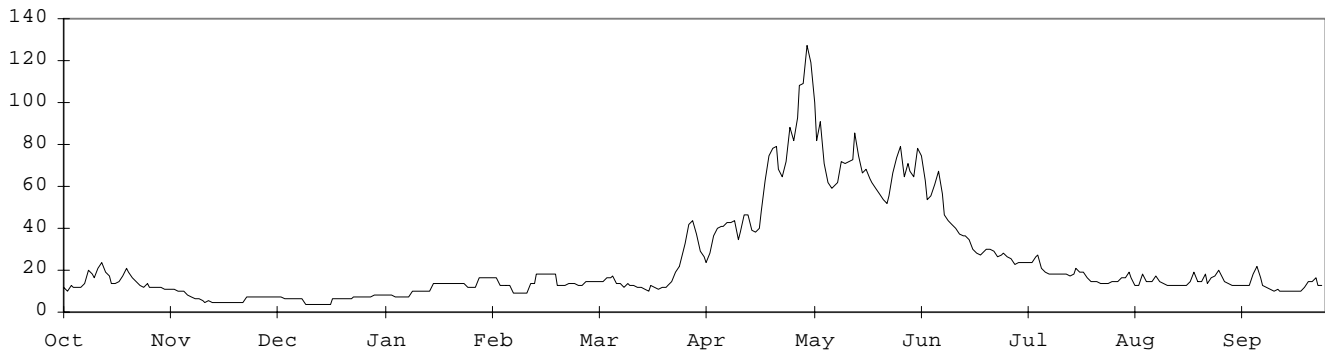
**RATING TABLE.**--LAJCAPCO16 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	11	7.0	8.0	16	15	44	93	65	26	15	16
2	10	11	7.0	8.0	16	15	37	108	71	25	15	15
3	13	10	7.0	8.0	16	15	29	109	67	23	16	14
4	12	9.6	6.5	8.0	13	15	26	127	65	24	16	13
5	12	9.6	6.5	7.5	13	15	24	119	78	24	19	13
6	12	7.8	6.5	7.5	13	15	28	100	75	24	16	13
7	14	7.0	6.5	7.5	13	16	36	82	63	24	13	13
8	20	6.6	6.5	7.5	9.0	16	40	91	54	24	13	13
9	18	6.2	6.5	7.5	9.0	17	41	71	55	26	18	13
10	16	5.1	4.0	10	9.0	14	41	62	61	27	15	18
11	21	4.8	4.0	10	9.0	14	43	59	67	21	15	22
12	24	5.8	4.0	10	9.0	12	43	60	56	19	15	16
13	19	4.5	4.0	10	14	14	44	62	46	18	17	13
14	17	4.5	4.0	10	14	13	35	72	44	18	15	12
15	14	4.5	4.0	10	18	13	38	71	42	18	14	11
16	14	4.5	4.0	14	18	12	46	72	40	18	13	10
17	15	4.5	4.0	14	18	12	46	73	37	18	13	11
18	17	4.5	6.0	14	18	11	39	85	36	18	13	10
19	21	4.5	6.0	14	18	10	38	75	36	17	13	10
20	19	4.5	6.0	14	18	13	40	66	35	18	13	10
21	16	4.5	6.0	14	13	12	48	68	30	21	13	9.6
22	15	4.5	6.0	14	13	11	63	64	28	19	13	10
23	13	7.5	6.0	14	13	12	75	62	27	19	15	10
24	12	7.5	7.0	14	14	12	78	59	28	16	19	10
25	14	7.5	7.0	14	14	13	79	56	30	15	15	12
26	12	7.5	7.0	12	14	15	68	54	30	15	15	15
27	12	7.5	7.0	12	13	19	65	52	29	15	18	15
28	12	7.5	7.0	12	13	22	72	55	26	14	14	16
29	12	7.5	7.0	16	---	29	88	66	27	14	16	13
30	11	7.0	8.0	16	---	33	82	74	28	14	17	13
31	11	---	8.0	16	---	42	---	79	---	15	20	---
TOTAL	460	199.0	186.0	353.5	388.0	497	1476	2346	1376	607	472	389.6
MEAN	14.8	6.63	6.00	11.4	13.9	16.0	49.2	75.7	45.9	19.6	15.2	13.0
AC-FT	912	395	369	701	770	986	2930	4650	2730	1200	936	773
MAX	24	11	8.0	16	18	42	88	127	78	27	20	22
MIN	10	4.5	4.0	7.5	9.0	10	24	52	26	14	13	9.6

CAL YR 1985 TOTAL 15186.5 MEAN 41.6 MAX 250 MIN 4.0 AC-FT 30120  
WTR YR 1986 TOTAL 8750.1 MEAN 24.0 MAX 127 MIN 4.0 AC-FT 17360

MAX DISCH 166 CFS AT 0530 04-MAY-1986 GH 3.51 FT. SHIFT +0.24 FT. MAX GH 3.51 FT. AT 0530 04-MAY-1986



RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO (1987)

**LOCATION.**--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

**DRAINAGE AREA.**--98 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,130 ft from topographic map.

**REMARKS.**--Flow regulated by La Jara Reservoir.

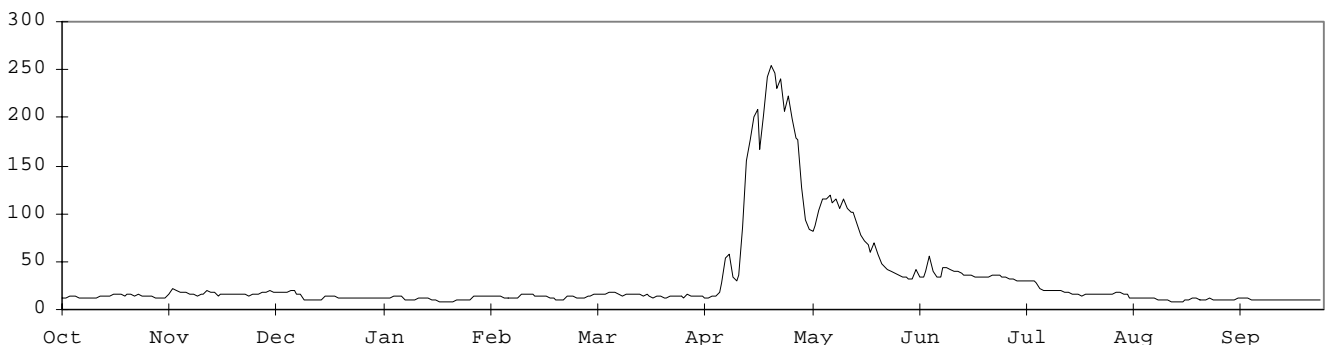
**RATING TABLE.**--LAJCAPCO16 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	16	18	12	14	11	13	179	34	33	15	9.1
2	12	21	18	12	14	13	13	176	33	31	18	9.1
3	13	19	18	12	14	14	13	127	31	31	18	9.6
4	14	18	18	12	14	15	13	94	31	30	16	10
5	13	17	18	14	14	16	12	84	42	30	15	10
6	12	18	20	14	12	16	12	82	34	30	12	12
7	12	16	20	14	12	16	13	88	34	30	12	12
8	12	16	16	10	12	18	14	103	39	30	12	12
9	12	14	16	10	12	17	18	115	56	30	11	11
10	11	16	10	10	12	18	27	116	39	28	12	10
11	12	16	10	10	16	15	54	120	33	21	11	10
12	13	20	10	12	16	14	58	112	33	19	11	10
13	13	18	10	12	16	15	33	115	44	19	11	9.1
14	13	18	10	12	16	16	30	105	43	19	10	9.1
15	14	14	10	12	14	16	36	116	42	19	10	9.6
16	16	16	14	10	14	15	85	105	40	19	9.6	9.6
17	16	16	14	10	14	15	155	102	39	19	9.1	9.1
18	15	15	14	8.0	14	14	177	102	37	18	8.6	9.1
19	14	16	14	8.0	12	15	201	90	36	17	8.6	9.1
20	15	16	12	8.0	12	14	208	78	35	16	8.2	9.1
21	16	16	12	8.0	10	12	167	71	35	16	8.2	9.1
22	14	15	12	8.0	10	13	203	67	34	16	9.1	9.1
23	15	15	12	10	10	13	243	60	33	14	10	9.1
24	14	14	11	10	14	12	254	70	33	15	12	9.1
25	14	16	11	10	14	12	246	57	33	15	12	9.1
26	13	16	11	10	14	13	230	48	33	15	10	9.6
27	13	16	11	10	12	14	241	44	35	15	10	9.6
28	12	18	11	14	12	13	206	41	35	15	10	10
29	12	18	11	14	---	13	222	40	35	16	11	9.6
30	12	20	11	14	---	12	198	38	34	15	10	9.6
31	12	---	11	14	---	15	---	36	---	15	9.6	---
TOTAL	411	500	414	344.0	370	445	3395	2781	1095	656	350.0	292.5
MEAN	13.3	16.7	13.4	11.1	13.2	14.4	113	89.7	36.5	21.2	11.3	9.75
AC-FT	815	992	821	682	734	883	6730	5520	2170	1300	694	580
MAX	16	21	20	14	16	18	254	179	56	33	18	12
MIN	11	14	10	8.0	10	11	12	36	31	14	8.2	9.1

CAL YR 1986 TOTAL 9230.1 MEAN 25.3 MAX 127 MIN 7.5 AC-FT 18310  
WTR YR 1987 TOTAL 11053.5 MEAN 30.3 MAX 254 MIN 8.0 AC-FT 21920

MAX DISCH 373 CFS AT 2330 23-APR-1987 GH 4.79 FT. SHIFT +0.15 FT. MAX GH 4.79 FT. AT 2330 23-APR-1987



## RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO (1988)

**LOCATION.**--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

**DRAINAGE AREA.**--98 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,130 ft from topographic map.

**REMARKS.**--Flow regulated by La Jara Reservoir.

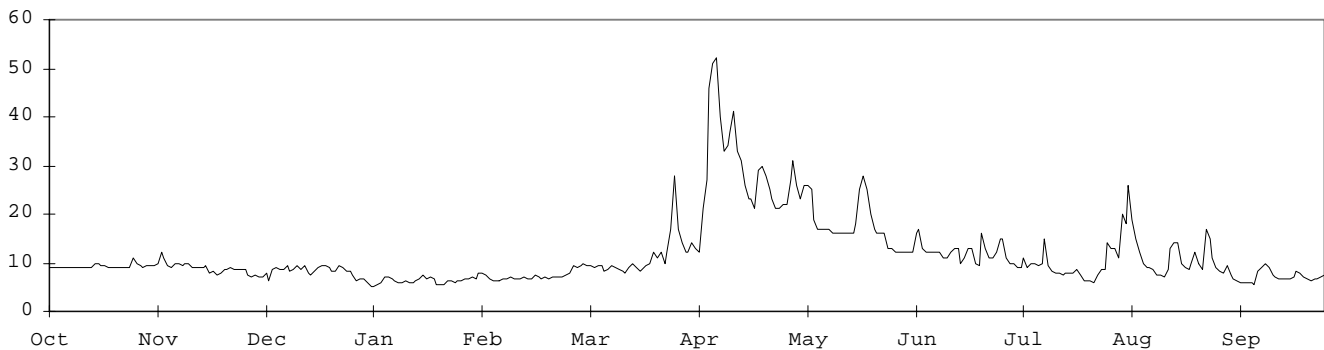
**RATING TABLE.**--LAJCAPCO16 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	9.7	7.2	5.0	8.0	9.6	12	31	12	11	13	8.0
2	9.1	12	7.8	5.0	7.8	9.8	14	26	12	10	11	9.3
3	9.1	11	8.2	5.4	7.4	9.6	13	23	12	9.8	20	7.6
4	9.1	9.6	8.6	6.0	6.8	9.6	12	26	12	9.0	18	6.6
5	9.2	9.2	9.0	7.0	6.2	9.2	21	26	16	8.9	26	6.2
6	9.2	10	8.6	7.2	6.2	9.6	27	25	17	11	19	6.0
7	9.2	10	8.8	6.6	6.2	9.6	46	19	13	9.2	15	5.9
8	9.2	9.6	9.6	6.2	6.6	8.4	51	17	12	9.8	12	5.7
9	9.2	9.7	8.4	6.0	6.6	8.8	52	17	12	9.8	10	5.7
10	9.1	10	8.8	6.0	7.0	9.6	40	17	12	9.4	9.2	5.4
11	9.2	9.1	9.6	6.2	6.8	9.2	33	17	12	9.8	9.0	8.3
12	9.1	9.0	8.8	6.0	6.8	8.6	34	16	12	15	8.7	9.1
13	9.2	9.0	9.4	5.8	6.6	8.2	37	16	11	9.6	7.6	10
14	10	9.2	8.0	6.2	7.2	8.0	41	16	11	8.2	7.3	9.0
15	9.8	9.4	7.6	6.6	6.8	9.2	33	16	12	8.0	7.2	7.6
16	9.5	8.0	8.4	7.4	6.8	10	31	16	13	7.7	8.6	7.0
17	9.3	8.4	9.2	6.8	7.4	9.2	26	16	13	7.6	13	6.8
18	9.2	7.6	9.6	7.0	7.0	8.2	23	16	10	7.9	14	6.7
19	9.2	7.8	9.6	6.8	6.8	9.0	23	18	11	7.7	14	6.7
20	9.0	8.6	9.0	5.4	7.0	9.6	21	25	13	7.9	10	6.8
21	9.0	8.6	8.4	5.6	6.8	10	29	28	13	8.7	9.0	7.2
22	9.2	9.0	8.2	5.6	7.0	12	30	25	10	7.4	8.6	8.2
23	9.2	8.8	9.6	6.2	7.0	11	28	20	9.4	6.3	10	7.9
24	9.2	8.8	9.0	6.2	7.0	12	25	17	16	6.4	12	7.0
25	11	8.8	8.4	5.8	7.2	10	23	16	13	6.2	9.9	6.7
26	10	8.6	8.2	6.2	7.4	12	21	16	11	5.8	8.6	6.3
27	9.6	7.6	7.4	6.4	7.8	17	21	16	11	7.3	17	6.6
28	9.2	7.2	6.4	6.6	9.6	28	22	13	12	8.7	15	6.7
29	9.5	7.4	6.6	6.8	9.0	17	22	13	15	8.6	11	6.9
30	9.6	7.2	6.6	7.2	---	14	27	12	15	14	9.2	7.4
31	9.5	---	5.8	6.8	---	12	---	12	---	13	8.2	---
TOTAL	290.1	268.9	258.8	194.0	206.8	338.0	838	587	373.4	279.7	371.1	215.3
MEAN	9.36	8.96	8.35	6.26	7.13	10.9	27.9	18.9	12.4	9.02	12.0	7.18
AC-FT	575	533	513	385	410	670	1660	1160	741	555	736	427
MAX	11	12	9.6	7.4	9.6	28	52	31	17	15	26	10
MIN	9.0	7.2	5.8	5.0	6.2	8.0	12	12	9.4	5.8	7.2	5.4

CAL YR 1987 TOTAL 10546.3 MEAN 28.9 MAX 254 MIN 5.8 AC-FT 20920  
WTR YR 1988 TOTAL 4221.1 MEAN 11.5 MAX 52 MIN 5.0 AC-FT 8370

MAX DISCH 94 CFS AT 0045 08-APR-1988 GH 2.91 FT. SHIFT +0.21 FT. MAX GH 2.91 FT. AT 0045 08-APR-1988



## RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO (1989)

**LOCATION.**--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

**DRAINAGE AREA.**--98 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,130 ft from topographic map.

**REMARKS.**--Flow regulated by La Jara Reservoir.

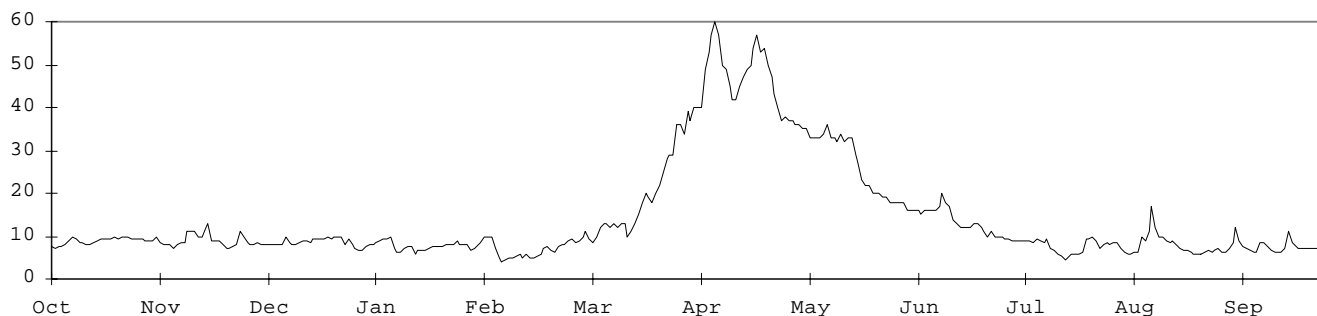
**RATING TABLE.**--LAJCAPCO16 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	8.6	8.2	8.2	8.4	8.8	39	37	18	9.2	8.6	6.4
2	7.2	8.2	8.2	8.6	10	9.8	37	36	18	9.3	8.3	6.1
3	7.5	7.8	8.0	9.0	9.8	11	40	36	16	9.1	7.0	6.9
4	7.6	7.8	8.2	9.2	9.6	9.2	40	35	16	8.9	6.1	8.5
5	8.1	7.3	8.0	9.4	7.2	8.6	40	35	16	9.0	5.9	12
6	9.1	7.9	7.8	9.8	5.0	9.6	49	33	16	8.9	5.8	9.0
7	9.8	8.4	10	7.2	4.0	12	53	33	15	8.8	6.2	7.6
8	9.2	8.5	8.6	6.2	4.4	13	57	33	16	8.7	6.1	6.9
9	8.3	11	8.0	6.2	4.9	13	60	33	16	8.6	9.9	6.8
10	8.4	11	8.2	7.2	5.0	12	57	34	16	9.2	9.1	6.4
11	8.2	11	8.4	7.6	5.2	13	50	36	16	8.7	11	6.4
12	8.2	9.6	8.8	7.4	6.0	12	49	33	17	8.3	17	8.3
13	8.6	10	9.0	6.0	4.8	13	45	33	20	9.4	12	8.5
14	9.0	12	8.6	6.6	5.6	13	42	32	18	7.3	10	7.5
15	9.3	13	9.4	6.8	4.8	10	42	34	17	6.6	10	6.6
16	9.4	9.0	9.2	6.6	4.8	11	45	32	14	5.8	8.8	6.1
17	9.5	8.8	9.2	7.0	5.2	13	47	33	13	5.2	8.6	6.1
18	9.5	9.0	9.2	7.4	5.6	15	49	33	12	4.4	8.8	6.4
19	9.6	7.8	9.8	7.6	7.0	18	50	29	12	4.9	7.8	7.0
20	9.5	7.0	9.2	7.6	7.6	20	54	27	12	5.9	7.1	11
21	9.7	7.0	9.6	7.4	6.6	19	57	23	12	5.9	6.8	8.4
22	9.8	7.4	9.6	8.0	6.4	18	53	22	13	6.0	6.5	7.5
23	9.8	8.0	9.8	7.8	7.4	20	54	22	13	6.2	6.2	7.2
24	9.4	11	7.8	8.2	7.8	22	50	20	12	9.4	5.8	7.2
25	9.2	9.6	9.2	9.0	8.2	25	47	20	11	9.5	5.7	7.0
26	9.2	8.6	8.0	8.0	8.8	28	43	20	10	10	5.7	7.1
27	9.3	8.0	7.0	7.8	9.2	29	40	19	11	9.1	6.3	7.0
28	9.1	7.8	6.8	8.0	8.4	29	37	19	10	7.2	6.7	7.2
29	9.1	8.6	6.8	6.8	---	36	38	18	10	7.8	6.4	7.0
30	9.1	8.0	7.4	7.2	---	36	37	18	9.8	8.6	6.5	6.9
31	9.6	---	7.8	7.8	---	34	---	18	---	8.0	7.1	---
TOTAL	276.8	267.7	263.8	237.6	187.7	541.0	1401	886	425.8	243.9	243.8	223.0
MEAN	8.93	8.92	8.51	7.66	6.70	17.5	46.7	28.6	14.2	7.87	7.86	7.43
AC-FT	549	531	523	471	372	1070	2780	1760	845	484	484	442
MAX	9.8	13	10	9.8	10	36	60	37	20	10	17	12
MIN	7.2	7.0	6.8	6.0	4.0	8.6	37	18	9.8	4.4	5.7	6.1

CAL YR 1988 TOTAL 4211.6 MEAN 11.5 MAX 52 MIN 5.0 AC-FT 8350  
WTR YR 1989 TOTAL 5198.1 MEAN 14.2 MAX 60 MIN 4.0 AC-FT 10310

MAX DISCH 69 CFS AT 0415 09-APR-1989 GH 3.33 FT. SHIFT -0.49 FT. MAX GH 3.33 FT. AT 0415 09-APR-1989



RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO (1990)

**LOCATION.**--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

**DRAINAGE AREA.**--98 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,130 ft from topographic map.

**REMARKS.**--Flow regulated by La Jara Reservoir.

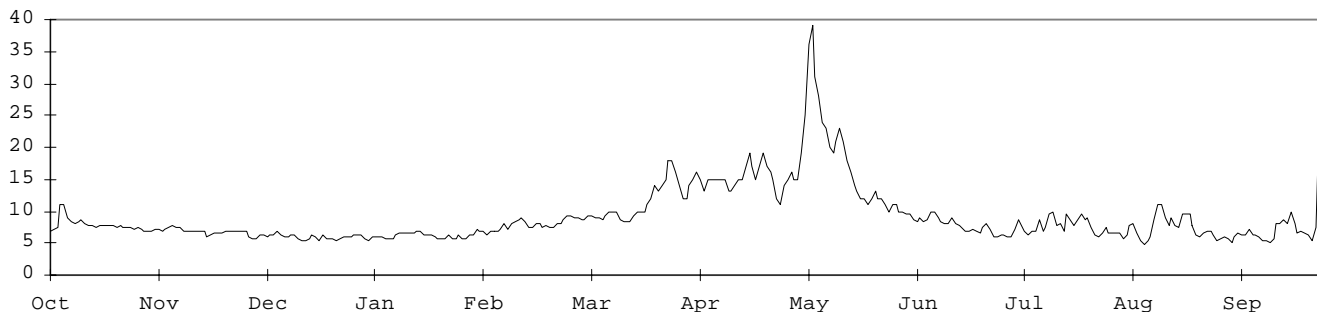
**RATING TABLE.**--LAJCAPCO16 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	7.2	6.4	6.0	6.8	9.0	12	16	10	6.4	6.6	5.8
2	7.1	7.0	6.0	6.0	6.8	8.8	14	15	10	5.9	6.6	5.9
3	7.5	7.2	6.2	6.0	6.4	8.8	15	15	9.6	6.0	6.6	5.8
4	11	7.4	6.4	6.0	6.8	9.2	16	19	9.6	7.2	5.7	5.1
5	11	7.8	6.8	5.6	7.0	9.4	15	25	8.8	8.7	6.2	6.0
6	9.1	7.6	6.4	5.6	7.0	9.0	13	36	8.5	7.6	7.8	6.7
7	8.3	7.4	6.0	5.8	7.2	9.0	15	39	9.1	6.9	8.2	6.2
8	8.2	7.0	6.0	6.4	8.0	8.8	15	31	8.4	6.4	6.6	6.2
9	8.5	7.0	6.2	6.6	7.2	9.4	15	28	8.6	6.8	5.4	7.1
10	8.8	7.0	6.2	6.6	8.0	10	15	24	10	7.0	4.8	6.2
11	8.1	7.0	5.6	6.6	8.4	9.8	15	23	10	8.6	5.3	6.2
12	7.9	7.0	5.4	6.6	8.8	9.8	15	20	9.1	7.0	5.9	6.0
13	7.9	7.0	5.4	6.6	9.0	8.8	13	19	8.4	7.4	8.6	5.4
14	7.6	7.0	5.8	7.0	8.4	8.4	13	21	8.1	9.6	11	5.4
15	7.8	6.0	6.4	6.8	7.4	8.4	14	23	8.2	10	11	5.1
16	7.7	6.4	6.0	6.2	7.4	8.4	15	21	9.1	7.8	9.1	5.8
17	7.9	6.6	5.4	6.2	8.2	9.2	15	18	8.1	8.2	7.8	8.2
18	7.8	6.6	6.4	6.4	8.2	10	17	16	7.8	7.0	9.0	8.2
19	7.7	6.6	5.6	6.0	7.6	10	19	14	7.5	9.6	7.7	8.6
20	7.6	6.8	5.8	5.8	7.8	10	17	13	7.0	8.6	7.4	8.2
21	7.9	7.0	5.8	5.8	7.4	11	15	12	6.8	7.8	9.6	10
22	7.6	6.8	5.4	5.8	7.6	12	17	12	7.1	8.6	9.6	8.2
23	7.4	6.8	5.8	6.4	8.0	14	19	11	7.0	9.6	9.6	6.6
24	7.4	6.8	6.0	5.8	8.2	13	17	12	6.7	8.6	7.8	7.0
25	7.3	6.8	6.0	5.6	8.6	14	16	13	7.6	9.1	6.2	6.6
26	7.6	6.8	6.0	6.4	9.2	15	15	12	8.2	7.4	6.0	6.2
27	7.2	6.0	6.2	5.8	9.2	18	12	12	7.2	6.2	6.6	5.4
28	7.0	5.8	6.2	5.6	9.0	18	11	11	6.1	5.9	7.0	7.4
29	6.8	5.8	6.4	6.4	---	16	14	10	6.1	6.6	7.0	18
30	6.8	6.4	5.6	6.2	---	14	15	11	6.3	7.4	6.2	11
31	7.2	---	5.4	7.2	---	12	---	11	---	6.6	5.4	---
TOTAL	244.7	204.6	185.2	191.8	219.6	341.2	449	563	245.0	236.5	228.3	214.5
MEAN	7.89	6.82	5.97	6.19	7.84	11.0	15.0	18.2	8.17	7.63	7.36	7.15
AC-FT	485	406	367	380	436	677	891	1120	486	469	453	425
MAX	11	7.8	6.8	7.2	9.2	18	19	39	10	10	11	18
MIN	6.8	5.8	5.4	5.6	6.4	8.4	11	10	6.1	5.9	4.8	5.1

CAL YR 1989 TOTAL 5024.3 MEAN 13.8 MAX 60 MIN 4.0 AC-FT 9970  
WTR YR 1990 TOTAL 3323.4 MEAN 9.11 MAX 39 MIN 4.8 AC-FT 6590

MAX DISCH 50 CFS AT 0145 07-MAY-1990 GH 3.21 FT. SHIFT -0.61 FT. MAX GH 3.21 FT. AT 0145 07-MAY-1990



RIO GRANDE BASIN

SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO (1990)

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.

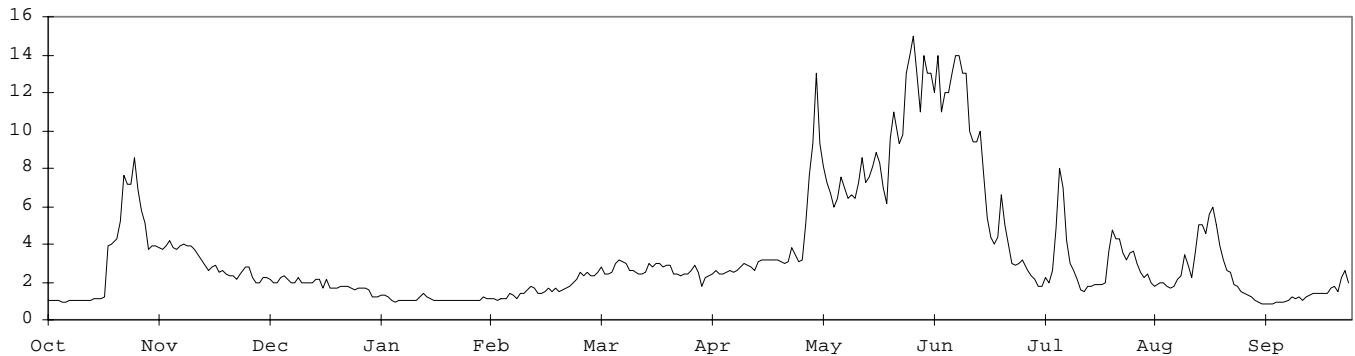
RATING TABLE.--NORDSCCO01 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	3.8	2.2	1.2	1.1	2.5	2.5	5.1	13	3.2	3.6	1.4
2	1.0	3.7	2.1	1.3	1.1	2.3	1.8	7.6	11	2.6	3.0	1.3
3	1.0	3.9	2.0	1.3	1.1	2.3	2.2	9.3	14	2.3	2.5	1.2
4	1.0	4.2	2.0	1.2	1.0	2.5	2.3	13	13	2.1	2.2	1.0
5	0.96	3.8	2.2	0.98	1.1	2.8	2.4	9.3	13	1.8	2.4	0.89
6	0.96	3.7	2.3	0.96	1.1	2.4	2.6	8.1	12	1.8	2.0	0.82
7	1.0	3.9	2.1	0.98	1.4	2.4	2.4	7.3	14	2.2	1.8	0.82
8	1.0	4.0	2.0	1.0	1.3	2.5	2.4	6.7	11	2.0	2.0	0.82
9	1.0	3.9	2.0	1.0	1.1	3.0	2.5	6.0	12	2.6	2.0	0.82
10	1.0	3.9	2.2	1.0	1.4	3.2	2.6	6.4	12	4.8	1.8	0.96
11	1.0	3.7	2.0	1.0	1.4	3.1	2.5	7.5	13	8.0	1.7	0.96
12	1.0	3.4	2.0	1.0	1.6	3.0	2.6	7.0	14	7.0	1.8	0.96
13	1.0	3.2	2.0	1.2	1.8	2.6	2.8	6.4	14	4.2	2.1	1.0
14	1.1	2.9	2.0	1.4	1.7	2.6	3.0	6.6	13	3.0	2.3	1.2
15	1.1	2.6	2.1	1.2	1.4	2.4	2.9	6.4	13	2.6	3.4	1.1
16	1.1	2.8	2.1	1.1	1.4	2.4	2.8	7.3	10	2.1	2.9	1.2
17	1.2	2.9	1.7	1.0	1.5	2.5	2.6	8.6	9.4	1.6	2.2	1.0
18	3.9	2.5	2.1	1.0	1.7	3.0	3.1	7.3	9.4	1.5	3.5	1.2
19	4.0	2.6	1.7	1.0	1.5	2.8	3.2	7.5	10	1.8	5.0	1.3
20	4.3	2.4	1.7	0.98	1.7	3.0	3.2	8.1	7.6	1.8	5.0	1.4
21	5.2	2.3	1.7	0.98	1.5	3.0	3.2	8.8	5.4	1.9	4.6	1.4
22	7.6	2.3	1.8	0.98	1.6	2.8	3.2	8.3	4.4	1.9	5.6	1.4
23	7.2	2.1	1.8	0.98	1.7	2.9	3.2	7.0	4.0	1.9	6.0	1.4
24	7.2	2.4	1.8	1.0	1.8	2.9	3.1	6.1	4.4	2.0	5.0	1.4
25	8.6	2.8	1.7	0.98	2.0	2.4	3.0	9.6	6.6	3.6	3.9	1.7
26	6.9	2.8	1.6	1.0	2.1	2.4	3.1	11	5.0	4.7	3.2	1.8
27	5.8	2.2	1.7	1.0	2.5	2.3	3.8	9.3	4.0	4.3	2.6	1.5
28	5.1	2.0	1.7	0.98	2.3	2.4	3.4	9.8	3.0	4.3	2.5	2.2
29	3.7	2.0	1.7	1.0	---	2.4	3.1	13	2.9	3.5	1.9	2.6
30	3.9	2.2	1.6	1.0	---	2.6	3.2	14	3.0	3.2	1.8	2.0
31	3.9	---	1.2	1.2	---	2.9	---	15	---	3.5	1.5	---
TOTAL	94.72	90.9	58.8	32.90	42.9	82.3	84.7	263.4	281.1	93.8	91.8	38.75
MEAN	3.06	3.03	1.90	1.06	1.53	2.65	2.82	8.50	9.37	3.03	2.96	1.29
AC-FT	188	180	117	65	85	163	168	522	558	186	182	77
MAX	8.6	4.2	2.3	1.4	2.5	3.2	3.8	15	14	8.0	6.0	2.6
MIN	0.96	2.0	1.2	0.96	1.0	2.3	1.8	5.1	2.9	1.5	1.5	0.82

WTR YR 1990 TOTAL 1256.07 MEAN 3.44 MAX 15 MIN 0.82 AC-FT 2490

MAX DISCH 18 CFS AT 1400 29-MAY-1990 GH 1.33 FT. SHIFT -0.02 FT. MAX GH 1.93 FT. AT 2130 31-JUL-1990



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO (1980)

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

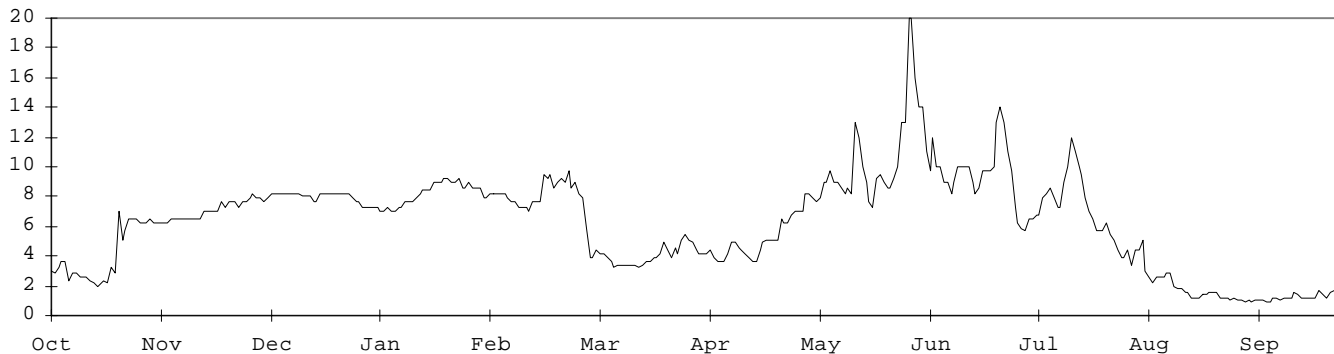
GAGE.--Graphic water-stage recorder at an 8' Parshall Flume.

RATING TABLE.--NORDLSCO02 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	6.2	7.9	7.3	7.9	3.9	4.1	8.2	16	5.9	3.4	1.1
2	2.8	6.2	8.2	7.0	8.2	3.9	4.1	8.2	14	5.7	4.4	0.92
3	3.2	6.2	8.2	7.0	8.2	4.4	4.1	7.9	14	6.5	4.4	1.1
4	3.7	6.5	8.2	7.3	8.2	4.1	4.4	7.6	11	6.5	5.1	0.92
5	3.7	6.5	8.2	7.0	8.2	4.1	3.9	7.9	9.8	6.8	3.0	1.1
6	2.4	6.5	8.2	7.0	8.2	3.9	3.7	8.9	12	6.8	2.6	1.1
7	2.8	6.5	8.2	7.3	7.9	3.7	3.7	8.9	10	7.9	2.2	1.1
8	2.8	6.5	8.2	7.3	7.6	3.2	3.7	9.8	10	8.2	2.6	0.92
9	2.6	6.5	8.2	7.6	7.6	3.4	4.1	8.9	8.9	8.6	2.6	0.92
10	2.6	6.5	8.2	7.6	7.3	3.4	4.9	8.9	8.9	7.9	2.6	1.2
11	2.6	6.5	8.0	7.6	7.3	3.4	4.9	8.6	8.2	7.3	2.8	1.2
12	2.4	6.5	8.0	7.9	7.3	3.4	4.6	8.2	8.9	7.3	2.8	1.1
13	2.2	7.0	8.0	8.2	7.0	3.4	4.4	8.6	10	8.9	2.0	1.2
14	2.0	7.0	7.6	8.5	7.6	3.4	4.1	8.2	10	10	1.8	1.2
15	2.2	7.0	7.6	8.5	7.6	3.2	3.9	13	10	12	1.8	1.2
16	2.4	7.0	8.2	8.5	7.6	3.4	3.7	12	10	11	1.5	1.5
17	2.2	7.0	8.2	8.9	9.5	3.7	3.7	10	8.9	10	1.5	1.4
18	3.2	7.6	8.2	8.9	9.2	3.7	4.4	8.9	8.2	9.5	1.2	1.2
19	2.8	7.3	8.2	8.9	9.5	3.9	4.9	7.6	8.6	7.9	1.2	1.2
20	7.0	7.6	8.2	9.2	8.6	3.9	5.1	7.3	9.8	7.0	1.2	1.2
21	5.1	7.6	8.2	9.2	8.9	4.1	5.1	9.2	9.8	6.5	1.4	1.2
22	5.7	7.6	8.2	8.9	9.2	4.9	5.1	9.5	9.8	5.7	1.4	1.2
23	6.5	7.3	8.2	8.9	8.9	4.4	5.1	8.9	10	5.7	1.5	1.7
24	6.5	7.6	8.2	9.2	9.8	3.9	6.5	8.6	13	5.7	1.5	1.4
25	6.5	7.6	7.9	8.6	8.6	4.6	6.2	8.6	14	6.2	1.5	1.2
26	6.2	7.9	7.6	8.6	8.9	4.1	6.2	9.2	13	5.4	1.2	1.5
27	6.2	8.2	7.6	8.9	8.2	5.1	6.8	10	11	5.1	1.2	1.7
28	6.2	7.9	7.3	8.6	7.9	5.4	7.0	13	9.8	4.4	1.2	1.8
29	6.5	7.9	7.3	8.6	5.9	5.1	7.0	13	7.3	3.9	1.1	1.4
30	6.2	7.6	7.3	8.6	---	4.9	7.0	20	6.2	3.9	1.2	1.4
31	6.2	---	7.3	7.9	---	4.4	---	20	---	4.4	1.1	---
TOTAL	126.4	211.8	247.0	253.5	236.8	124.3	146.4	307.6	311.1	218.6	65.0	37.28
MEAN	4.08	7.06	7.97	8.18	8.17	4.01	4.88	9.92	10.4	7.05	2.10	1.24
AC-FT	251	420	490	503	470	247	290	610	617	434	129	74
MAX	7.0	8.2	8.2	9.2	9.8	5.4	7.0	20	16	12	5.1	1.8
MIN	2.0	6.2	7.3	7.0	5.9	3.2	3.7	7.3	6.2	3.9	1.1	0.92
CAL YR 1979 TOTAL	3203.6		MEAN	8.78	MAX	42	MIN	1.7	AC-FT	6350		
WTR YR 1980 TOTAL	2285.78		MEAN	6.25	MAX	20	MIN	0.92	AC-FT	4530		

MAX DISCH 23 CFS AT 1130 30-MAY-1980 GH 0.85 FT. SHIFT -0.04 FT. MAX GH 0.86 FT. AT 1500 20-OCT-1979



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO (1981)

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

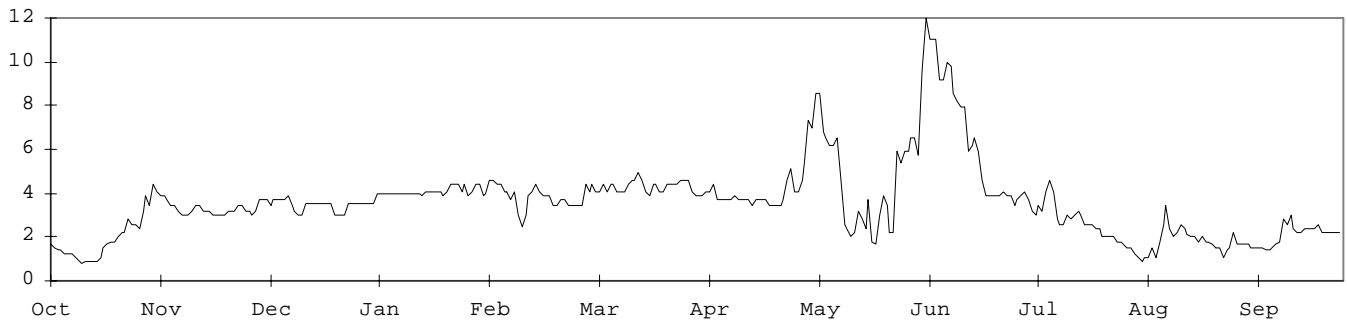
GAGE.--Graphic water-stage recorder at an 8' Parshall Flume.

RATING TABLE.--NORDLSCO02 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	3.9	3.7	4.0	4.0	4.4	3.9	4.6	6.5	3.7	1.5	1.7
2	1.5	3.9	3.4	4.0	4.6	4.1	3.9	5.4	6.5	3.9	1.5	1.7
3	1.4	3.7	3.7	4.0	4.6	4.4	3.9	7.3	5.7	4.1	1.2	1.7
4	1.4	3.4	3.7	4.0	4.4	4.1	4.1	7.0	9.6	3.7	1.1	1.7
5	1.2	3.4	3.7	4.0	4.4	4.1	4.1	8.6	12	3.2	0.92	1.5
6	1.2	3.2	3.7	4.0	4.1	4.4	4.4	8.6	11	3.0	1.1	1.5
7	1.2	3.0	3.9	4.0	4.1	4.1	3.7	6.8	11	3.4	1.1	1.5
8	1.1	3.0	3.4	4.0	3.7	4.4	3.7	6.5	11	3.2	1.5	1.5
9	0.92	3.0	3.2	4.0	4.1	4.4	3.7	6.2	9.2	4.1	1.1	1.4
10	0.79	3.2	3.0	4.0	3.0	4.1	3.7	6.2	9.2	4.6	1.8	1.4
11	0.92	3.4	3.0	4.0	2.5	4.1	3.7	6.5	10	4.1	2.6	1.5
12	0.92	3.4	3.5	4.0	3.0	4.1	3.9	4.6	9.8	2.8	3.4	1.7
13	0.92	3.2	3.5	4.0	3.9	4.4	3.7	2.6	8.6	2.6	2.4	1.8
14	0.92	3.2	3.5	3.9	4.1	4.6	3.7	2.4	8.2	2.6	2.0	2.8
15	1.1	3.2	3.5	4.1	4.4	4.6	3.7	2.0	7.9	3.0	2.2	2.6
16	1.5	3.0	3.5	4.1	4.1	4.9	3.7	2.2	7.9	2.8	2.6	3.0
17	1.7	3.0	3.5	4.1	3.9	4.6	3.4	3.2	5.9	3.0	2.4	2.4
18	1.8	3.0	3.5	4.1	3.9	4.1	3.7	2.8	6.2	3.2	2.1	2.2
19	1.8	3.0	3.5	4.1	3.9	3.9	3.7	2.4	6.5	3.0	2.0	2.2
20	2.0	3.2	3.0	3.9	3.4	4.4	3.7	3.7	5.9	2.6	2.0	2.4
21	2.2	3.2	3.0	4.1	3.4	4.4	3.7	1.8	4.6	2.6	1.8	2.4
22	2.2	3.2	3.0	4.4	3.7	4.1	3.4	1.7	3.9	2.6	2.0	2.4
23	2.8	3.4	3.0	4.4	3.7	4.1	3.4	3.0	3.9	2.4	1.8	2.4
24	2.6	3.4	3.5	4.4	3.4	4.4	3.4	3.9	3.9	2.4	1.8	2.6
25	2.6	3.2	3.5	4.1	3.4	4.4	3.4	3.4	3.9	2.0	1.7	2.2
26	2.4	3.2	3.5	4.4	3.4	4.4	3.7	2.2	3.9	2.0	1.5	2.2
27	3.2	3.0	3.5	3.9	3.4	4.4	4.6	2.2	4.1	2.0	1.5	2.2
28	3.9	3.2	3.5	4.1	3.4	4.6	5.1	5.9	3.9	2.0	1.1	2.2
29	3.4	3.7	3.5	4.4	---	4.6	4.1	5.4	3.9	1.8	1.4	2.2
30	4.4	3.7	3.5	4.4	---	4.6	4.1	5.9	3.4	1.8	1.5	2.2
31	4.1	---	3.5	3.9	---	4.1	---	5.9	---	1.7	2.2	---
TOTAL	59.79	98.5	106.4	126.8	105.9	134.3	114.9	140.9	208.0	89.9	54.82	61.2
MEAN	1.93	3.28	3.43	4.09	3.78	4.33	3.83	4.55	6.93	2.90	1.77	2.04
AC-FT	119	195	211	252	210	266	228	279	413	178	109	121
MAX	4.4	3.9	3.9	4.4	4.6	4.9	5.1	8.6	12	4.6	3.4	3.0
MIN	0.79	3.0	3.0	3.9	2.5	3.9	3.4	1.7	3.4	1.7	0.92	1.4
CAL YR 1980 TOTAL	1965.27		MEAN	5.37	MAX	20	MIN	0.79	AC-FT	3900		
WTR YR 1981 TOTAL	1301.41		MEAN	3.57	MAX	12	MIN	0.79	AC-FT	2580		

MAX DISCH 22 CFS AT 0930 28-MAY-1981 GH 0.83 FT. SHIFT -0.03 FT. MAX GH 0.83 FT. AT 0930 28-MAY-1981



## RIO GRANDE BASIN

## NORTON DRAIN NEAR LA SAUSES, CO (1982)

**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.

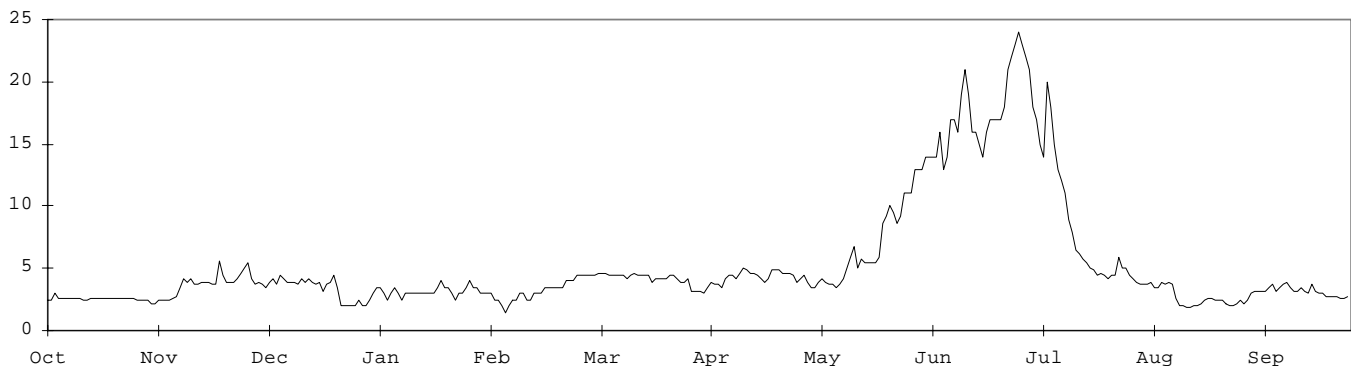
**DRAINAGE AREA.**--N/A

**GAGE.**--Graphic water-stage recorder at an 8' Parshall Flume.

**RATING TABLE.**--NORDLSCO02 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	2.4	3.4	3.5	3.0	4.5	3.2	4.4	13	23	4.1	2.2
2	2.4	2.4	3.9	3.5	3.0	4.5	3.2	3.9	13	22	3.9	2.4
3	3.0	2.4	4.1	3.0	2.5	4.5	3.0	3.4	13	21	3.7	3.0
4	2.6	2.4	3.7	2.5	2.5	4.6	3.4	3.4	14	18	3.7	3.2
5	2.6	2.6	4.4	3.0	2.0	4.6	3.9	3.9	14	17	3.7	3.2
6	2.6	2.8	4.1	3.5	1.5	4.6	3.7	4.1	14	15	3.9	3.2
7	2.6	3.4	3.9	3.0	2.0	4.4	3.7	3.9	14	14	3.4	3.2
8	2.6	4.1	3.9	2.5	2.5	4.4	3.4	3.7	16	20	3.4	3.4
9	2.6	3.9	3.9	3.0	2.5	4.4	4.1	3.7	13	18	3.9	3.7
10	2.6	4.1	3.7	3.0	3.0	4.4	4.4	3.4	14	15	3.7	3.2
11	2.4	3.7	4.1	3.0	3.0	4.4	4.4	3.7	17	13	3.9	3.4
12	2.4	3.7	3.9	3.0	2.5	4.1	4.1	4.1	17	12	3.7	3.7
13	2.6	3.9	4.1	3.0	2.5	4.4	4.6	5.1	16	11	2.6	3.9
14	2.6	3.9	3.9	3.0	3.0	4.6	5.1	5.9	19	8.9	2.0	3.4
15	2.6	3.9	3.7	3.0	3.0	4.4	4.9	6.8	21	7.9	2.0	3.2
16	2.6	3.7	3.9	3.0	3.0	4.4	4.6	5.1	19	6.5	1.8	3.2
17	2.6	3.7	3.2	3.0	3.5	4.4	4.6	5.7	16	6.2	1.8	3.4
18	2.6	5.6	3.7	3.5	3.5	4.4	4.4	5.4	16	5.7	2.0	3.2
19	2.6	4.4	3.9	4.0	3.5	3.9	4.1	5.4	15	5.4	2.0	3.0
20	2.6	3.9	4.4	3.5	3.5	4.1	3.9	5.4	14	5.1	2.2	3.7
21	2.6	3.9	3.4	3.5	3.5	4.1	4.1	5.4	16	4.9	2.4	3.2
22	2.6	3.9	2.0	3.0	3.5	4.1	4.9	5.9	17	4.4	2.6	3.0
23	2.6	4.1	2.0	2.5	4.0	4.1	4.9	8.6	17	4.6	2.6	3.0
24	2.6	4.6	2.0	3.0	4.0	4.4	4.9	9.2	17	4.4	2.4	2.8
25	2.6	5.1	2.0	3.0	4.0	4.4	4.6	10	17	4.1	2.4	2.8
26	2.4	5.4	2.0	3.5	4.5	4.1	4.6	9.5	18	4.4	2.4	2.8
27	2.4	4.1	2.5	4.0	4.5	3.9	4.6	8.6	21	4.4	2.2	2.8
28	2.4	3.7	2.0	3.5	4.5	3.9	4.4	9.2	22	5.9	2.0	2.6
29	2.4	3.9	2.0	3.5	---	4.1	3.9	11	23	5.1	2.0	2.6
30	2.2	3.7	2.5	3.0	---	3.2	4.1	11	24	5.1	2.2	2.8
31	2.2	---	3.0	3.0	---	3.2	---	11	---	4.4	2.4	---
TOTAL	78.6	113.3	103.2	98.0	88.0	131.5	125.7	189.8	500	316.4	87.0	93.2
MEAN	2.54	3.78	3.33	3.16	3.14	4.24	4.19	6.12	16.7	10.2	2.81	3.11
AC-FT	156	225	205	194	175	261	249	376	992	628	173	185
MAX	3.0	5.6	4.4	4.0	4.5	4.6	5.1	11	24	23	4.1	3.9
MIN	2.2	2.4	2.0	2.5	1.5	3.2	3.0	3.4	13	4.1	1.8	2.2
CAL YR 1981 TOTAL		1331.82	MEAN	3.65	MAX	12	MIN	0.92	AC-FT	2640		
WTR YR 1982 TOTAL		1924.7	MEAN	5.27	MAX	24	MIN	1.5	AC-FT	3820		
MAX DISCH	26 CFS AT 2100	30-JUN-1982	GH	0.87 FT.	SHIFT	0.00 FT.	MAX GH	0.87 FT.	AT 2100	30-JUN-1982		



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO (1983)

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

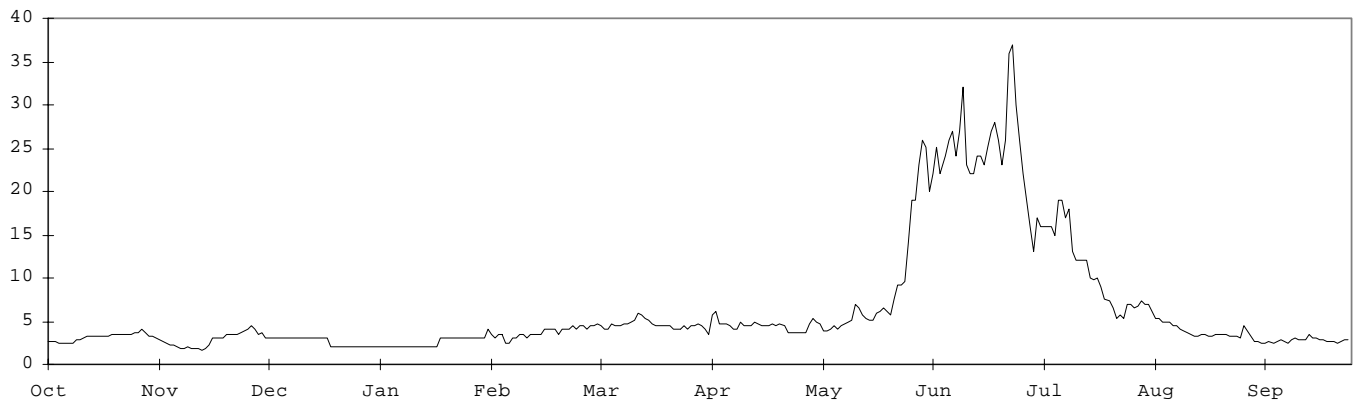
GAGE.--Graphic water-stage recorder at an 8' Parshall Flume.

RATING TABLE.--NORDLSCO02 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.8	3.0	2.0	4.0	4.1	4.6	3.7	19	22	6.5	4.4
2	2.6	2.6	3.0	2.0	3.5	4.4	4.4	4.6	23	19	6.8	3.9
3	2.6	2.4	3.0	2.0	3.0	4.4	4.1	5.4	26	16	7.3	3.2
4	2.4	2.2	3.0	2.0	3.5	4.6	3.4	4.9	25	13	7.0	2.6
5	2.4	2.2	3.0	2.0	3.5	4.4	5.7	4.6	20	17	7.0	2.6
6	2.4	2.0	3.0	2.0	2.5	4.1	6.2	3.9	22	16	6.2	2.4
7	2.4	1.8	3.0	2.0	2.5	4.1	4.6	3.9	25	16	5.4	2.4
8	2.4	1.8	3.0	2.0	3.0	4.6	4.6	4.1	22	16	5.4	2.6
9	2.8	2.0	3.0	2.0	3.0	4.4	4.6	4.4	24	16	4.9	2.4
10	2.8	1.8	3.0	2.0	3.5	4.4	4.4	4.1	26	15	4.9	2.6
11	3.0	1.8	3.0	2.0	3.5	4.6	4.1	4.4	27	19	4.9	2.8
12	3.2	1.8	3.0	2.0	3.0	4.6	4.1	4.6	24	19	4.4	2.6
13	3.2	1.7	3.0	2.0	3.5	4.9	4.9	4.9	27	17	4.4	2.4
14	3.2	1.8	3.0	2.0	3.5	5.1	4.4	5.1	32	18	4.1	2.8
15	3.2	2.2	3.0	2.0	3.5	5.9	4.4	7.0	23	13	3.9	3.0
16	3.2	3.0	3.0	2.0	3.5	5.7	4.4	6.5	22	12	3.7	2.8
17	3.2	3.0	3.0	2.0	4.0	5.4	4.9	5.7	22	12	3.4	2.8
18	3.2	3.0	3.0	2.0	4.0	5.1	4.6	5.4	24	12	3.2	2.8
19	3.4	3.0	2.0	3.0	4.0	4.6	4.4	5.1	24	12	3.2	3.4
20	3.4	3.4	2.0	3.0	4.0	4.4	4.4	5.1	23	10	3.4	3.0
21	3.4	3.4	2.0	3.0	3.5	4.4	4.4	5.9	25	9.8	3.4	3.0
22	3.4	3.4	2.0	3.0	4.0	4.4	4.6	6.2	27	10	3.2	2.8
23	3.4	3.4	2.0	3.0	4.1	4.4	4.4	6.5	28	8.9	3.2	2.8
24	3.4	3.6	2.0	3.0	4.1	4.4	4.6	6.2	26	7.6	3.4	2.6
25	3.6	3.8	2.0	3.0	4.4	4.1	4.4	5.7	23	7.3	3.4	2.6
26	3.6	4.0	2.0	3.0	4.1	4.1	3.7	7.6	26	6.5	3.4	2.6
27	4.0	4.4	2.0	3.0	4.4	4.1	3.7	9.2	36	5.4	3.4	2.4
28	3.6	4.0	2.0	3.0	4.4	4.4	3.7	9.2	37	5.7	3.2	2.6
29	3.2	3.4	2.0	3.0	---	4.1	3.7	9.5	30	5.4	3.2	2.8
30	3.2	3.6	2.0	3.0	---	4.4	3.7	14	26	7.0	3.2	2.8
31	3.0	---	2.0	3.0	---	4.4	---	19	---	7.0	3.0	---
TOTAL	95.4	83.3	80.0	75.0	101.5	141.0	132.1	196.4	764	390.6	136.0	84.5
MEAN	3.08	2.78	2.58	2.42	3.63	4.55	4.40	6.34	25.5	12.6	4.39	2.82
AC-FT	189	165	159	149	201	280	262	390	1520	775	270	168
MAX	4.0	4.4	3.0	3.0	4.4	5.9	6.2	19	37	22	7.3	4.4
MIN	2.4	1.7	2.0	2.0	2.5	4.1	3.4	3.7	19	5.4	3.0	2.4
CAL YR 1982 TOTAL	1888.3		MEAN	5.17	MAX	24	MIN	1.5	AC-FT	3750		
WTR YR 1983 TOTAL	2279.8		MEAN	6.25	MAX	37	MIN	1.7	AC-FT	4520		

MAX DISCH 42 CFS AT 1900 27-JUN-1983 GH 1.12 FT. SHIFT 0.06 FT. MAX GH 1.12 FT. AT 1900 27-JUN-1983



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO (1984)

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

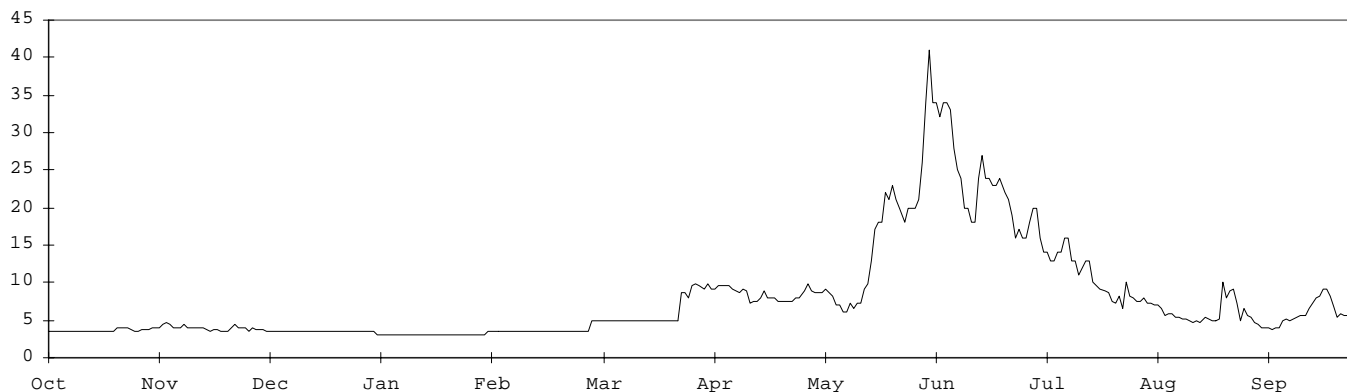
GAGE.--Graphic water-stage recorder at an 8' Parshall Flume.

RATING TABLE.--NORDLSCO02 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	3.9	3.5	3.0	3.5	5.0	9.2	8.9	26	18	7.6	5.4
2	3.4	4.4	3.5	3.0	3.5	5.0	9.8	8.6	34	20	7.9	4.6
3	3.4	4.6	3.5	3.0	3.5	5.0	9.2	8.6	37	20	7.3	4.4
4	3.4	4.4	3.5	3.0	3.5	5.0	9.2	8.6	34	16	7.3	4.1
5	3.4	4.1	3.5	3.0	3.5	5.0	9.5	9.2	34	14	7.0	4.1
6	3.4	4.1	3.5	3.0	3.5	5.0	9.5	8.6	32	14	7.0	3.9
7	3.4	4.1	3.5	3.0	3.5	5.0	9.5	8.2	34	13	6.5	3.7
8	3.4	4.4	3.5	3.0	3.5	5.0	9.5	7.0	34	13	5.7	4.1
9	3.4	4.1	3.5	3.0	3.5	5.0	9.2	7.0	33	14	5.9	4.1
10	3.4	3.9	3.5	3.0	3.5	5.0	8.9	6.2	28	14	5.9	4.9
11	3.4	3.9	3.5	3.0	3.5	5.0	8.6	6.2	25	16	5.4	5.1
12	3.4	3.9	3.5	3.0	3.5	5.0	9.2	7.3	24	16	5.4	4.9
13	3.4	3.9	3.5	3.0	3.5	5.0	8.9	6.5	20	13	5.1	5.1
14	3.4	3.7	3.5	3.0	3.5	5.0	7.3	7.3	20	13	5.1	5.4
15	3.4	3.4	3.5	3.0	3.5	5.0	7.6	7.3	18	11	4.9	5.7
16	3.4	3.7	3.5	3.0	3.5	5.0	7.6	9.2	18	12	4.6	5.7
17	3.4	3.7	3.5	3.0	3.5	5.0	7.9	9.8	24	13	4.9	6.5
18	3.4	3.4	3.5	3.0	3.5	5.0	8.9	13	27	13	4.6	7.3
19	3.4	3.4	3.5	3.0	3.5	5.0	7.9	17	24	10	5.4	7.9
20	3.9	3.4	3.5	3.0	3.5	5.0	7.9	18	24	9.5	5.1	8.2
21	3.9	4.1	3.5	3.0	3.5	5.0	7.9	18	23	9.2	4.9	9.2
22	4.1	4.4	3.5	3.0	3.5	5.0	7.6	22	23	8.9	4.9	9.2
23	3.9	3.9	3.5	3.0	3.5	5.0	7.6	21	24	8.6	5.1	8.2
24	3.7	3.9	3.5	3.0	3.5	5.0	7.6	23	22	7.6	10	6.8
25	3.4	4.1	3.5	3.0	3.5	5.0	7.6	21	21	7.3	7.9	5.4
26	3.4	3.4	3.5	3.0	3.5	8.6	7.6	20	19	8.2	8.9	5.9
27	3.7	3.9	3.5	3.0	3.5	8.6	7.9	18	16	6.5	9.2	5.7
28	3.7	3.7	3.5	3.0	3.5	7.9	7.9	20	17	10	7.3	5.7
29	3.7	3.7	3.5	3.0	3.5	9.5	8.9	20	16	8.2	4.9	5.7
30	4.1	3.7	3.5	3.0	---	9.8	9.8	20	16	7.9	6.5	5.1
31	3.9	---	3.5	3.0	---	9.5	---	21	---	7.6	5.7	---
TOTAL	110.0	117.2	108.5	93.0	101.5	178.9	255.7	406.5	747	372.5	193.9	172.0
MEAN	3.55	3.91	3.50	3.00	3.50	5.77	8.52	13.1	24.9	12.0	6.25	5.73
AC-FT	218	232	215	184	201	355	507	806	1480	739	385	341
MAX	4.1	4.6	3.5	3.0	3.5	9.8	9.8	23	37	20	10	9.2
MIN	3.4	3.4	3.5	3.0	3.5	5.0	7.3	6.2	16	6.5	4.6	3.7
CAL YR 1983 TOTAL		2356.8	MEAN	6.46	MAX	37	MIN	2.0	AC-FT	4670		
WTR YR 1984 TOTAL		2856.7	MEAN	7.81	MAX	37	MIN	3.0	AC-FT	5670		

MAX DISCH 41 CFS AT 0700 03-JUN-1984 GH 1.10 FT. SHIFT 0.06 FT. MAX GH 1.10 FT. AT 0700 03-JUN-1984



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO (1985)

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

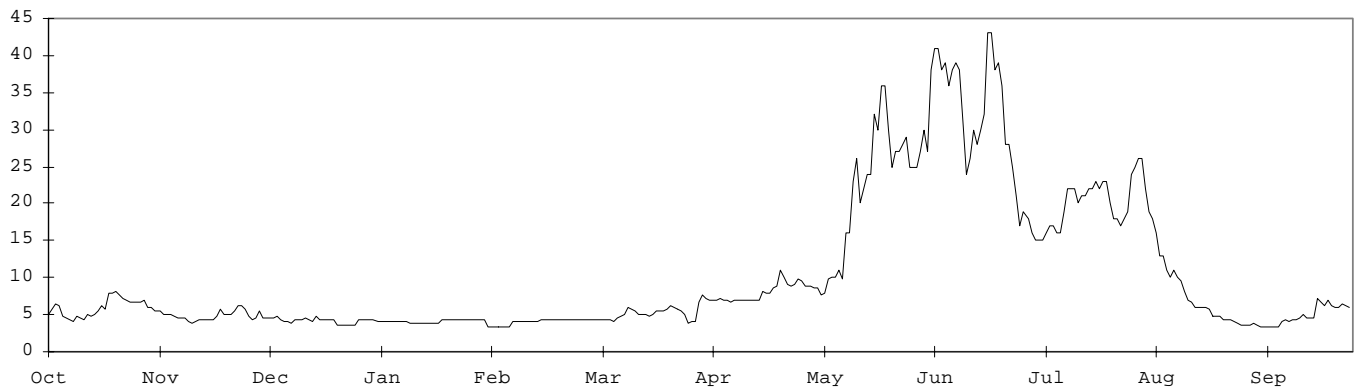
GAGE.--Graphic water-stage recorder at an 8' Parshall Flume.

RATING TABLE.--NORDLSCO02 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	5.4	4.6	4.0	3.4	4.4	6.8	8.9	25	19	25	3.7
2	5.7	5.1	4.6	4.0	3.4	4.4	7.6	8.9	27	18	26	3.7
3	6.5	5.1	4.6	4.0	3.4	4.4	7.3	8.6	30	16	26	3.9
4	6.2	5.1	4.9	4.0	3.4	4.4	7.0	8.6	27	15	22	3.7
5	4.9	4.9	4.4	4.0	3.4	4.4	7.0	7.6	38	15	19	3.4
6	4.6	4.6	4.1	4.0	3.4	4.4	7.0	7.9	41	15	18	3.4
7	4.4	4.6	4.1	4.0	3.4	4.4	7.3	9.8	41	16	16	3.4
8	4.1	4.6	3.9	4.0	4.0	4.1	7.0	10	38	17	13	3.4
9	4.9	4.1	4.4	4.0	4.0	4.6	7.0	10	39	17	13	3.4
10	4.6	3.9	4.4	3.8	4.0	4.9	6.8	11	36	16	11	3.4
11	4.4	4.1	4.4	3.8	4.0	5.1	7.0	9.8	38	16	10	4.1
12	5.1	4.4	4.6	3.8	4.0	5.9	7.0	16	39	19	11	4.4
13	4.9	4.4	4.4	3.8	4.0	5.7	7.0	16	38	22	10	4.1
14	5.1	4.4	4.1	3.8	4.0	5.4	7.0	23	31	22	9.5	4.4
15	5.4	4.4	4.9	3.8	4.0	5.1	7.0	26	24	22	8.2	4.4
16	6.2	4.4	4.4	3.8	4.2	5.1	7.0	20	26	20	7.0	4.6
17	5.7	4.9	4.2	3.8	4.2	5.1	7.0	22	30	21	6.8	5.1
18	7.9	5.7	4.2	3.8	4.2	4.9	7.0	24	28	21	5.9	4.6
19	7.9	5.1	4.4	4.2	4.2	5.1	8.2	24	30	22	5.9	4.6
20	8.2	5.1	4.4	4.2	4.2	5.4	7.9	32	32	22	5.9	4.6
21	7.6	5.1	3.6	4.2	4.2	5.4	7.9	30	43	23	5.9	7.3
22	7.3	5.4	3.6	4.2	4.2	5.4	8.6	36	43	22	5.7	6.8
23	7.0	6.2	3.6	4.2	4.2	5.7	8.9	36	38	23	4.9	6.2
24	6.8	6.2	3.6	4.2	4.2	6.2	11	30	39	23	4.9	7.0
25	6.8	5.7	3.6	4.2	4.2	5.9	10	25	36	20	4.9	6.2
26	6.8	4.9	3.6	4.2	4.2	5.7	9.2	27	28	18	4.4	5.9
27	6.8	4.2	4.2	4.2	4.2	5.4	8.9	27	28	18	4.4	5.9
28	7.0	4.6	4.2	4.2	4.2	5.1	9.2	28	25	17	4.4	6.5
29	5.9	5.4	4.2	4.2	---	3.9	9.8	29	21	18	4.1	6.2
30	5.9	4.6	4.2	4.2	---	4.0	9.5	25	17	19	3.9	5.9
31	5.4	---	4.2	4.2	---	4.0	---	25	---	24	3.7	---
TOTAL	185.1	146.6	130.6	124.8	110.4	153.9	235.9	622.1	976	596	320.4	144.2
MEAN	5.97	4.89	4.21	4.03	3.94	4.96	7.86	20.1	32.5	19.2	10.3	4.81
AC-FT	367	291	259	248	219	305	468	1230	1940	1180	636	286
MAX	8.2	6.2	4.9	4.2	4.2	6.2	11	36	43	24	26	7.3
MIN	4.1	3.9	3.6	3.8	3.4	3.9	6.8	7.6	17	15	3.7	3.4
CAL YR 1984 TOTAL	2983.3		MEAN	8.15	MAX	37	MIN	3.0	AC-FT	5920		
WTR YR 1985 TOTAL	3746.0		MEAN	10.3	MAX	43	MIN	3.4	AC-FT	7430		

MAX DISCH 53 CFS AT 2130 09-JUN-1985 GH 1.32 FT. SHIFT 0.05 FT. MAX GH 1.32 FT. AT 2130 09-JUN-1985



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO (1986)

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 at an 8' Parshall Flume.

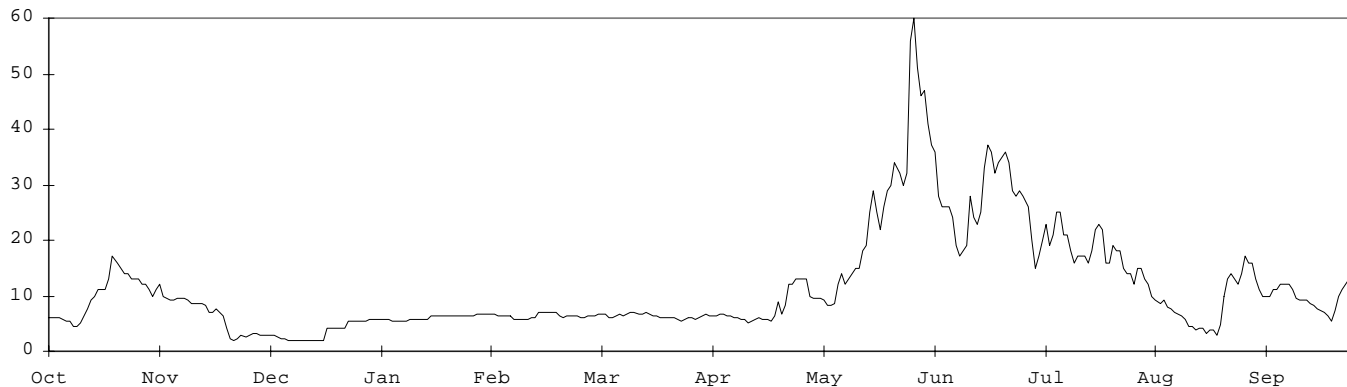
RATING TABLE.-- NORDLSCO02 USED FROM 01-OCT-1985 TO 30-OCT-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	12	3.0	5.6	6.8	6.5	5.9	13	51	28	12	17
2	5.9	10	2.8	5.6	6.8	6.5	6.2	10	46	26	15	16
3	5.9	9.5	2.8	5.6	6.8	6.5	6.8	9.5	47	20	15	16
4	5.9	9.2	2.6	5.6	6.4	6.8	6.5	9.5	41	15	13	13
5	5.7	9.2	2.2	5.4	6.4	6.8	6.5	9.5	37	17	12	11
6	5.4	9.5	2.2	5.4	6.4	6.8	6.5	9.2	36	20	10	10
7	5.4	9.5	2.0	5.4	6.4	5.9	6.8	8.2	28	23	9.2	9.8
8	4.6	9.5	2.0	5.4	5.8	5.9	6.8	8.2	26	19	8.6	10
9	4.6	9.2	2.0	5.4	5.8	6.5	6.5	8.6	26	21	9.2	11
10	5.1	8.6	2.0	5.8	5.8	6.8	6.2	12	26	25	7.9	11
11	6.2	8.6	2.0	5.8	5.8	6.5	5.9	14	24	25	7.6	12
12	7.6	8.6	2.0	5.8	5.8	6.8	5.9	12	19	21	7.0	12
13	9.2	8.6	2.0	5.8	6.0	7.0	5.7	13	17	21	6.8	12
14	10	8.2	2.0	5.8	6.0	7.0	5.7	14	18	18	6.2	11
15	11	7.0	2.0	5.8	7.0	6.8	5.1	15	19	16	5.7	9.5
16	11	7.0	2.0	6.4	7.0	6.8	5.4	15	28	17	4.6	9.2
17	11	7.6	2.0	6.4	7.0	7.0	5.7	18	24	17	4.4	9.2
18	13	7.0	4.0	6.4	7.0	6.8	5.9	19	23	17	3.9	9.2
19	17	6.2	4.0	6.4	7.0	6.5	5.7	25	25	16	4.1	8.6
20	16	4.0	4.0	6.4	7.0	6.2	5.7	29	33	18	4.1	8.2
21	15	2.2	4.0	6.4	6.2	5.9	5.4	25	37	22	3.2	7.6
22	14	2.0	4.0	6.4	5.9	5.9	6.5	22	36	23	3.7	7.3
23	14	2.2	4.0	6.4	6.2	5.9	8.9	26	32	22	3.7	7.0
24	13	3.0	5.4	6.4	6.5	5.9	6.8	29	34	16	3.0	6.5
25	13	2.6	5.4	6.4	6.2	5.9	8.2	30	35	16	4.9	5.4
26	13	3.0	5.4	6.2	6.2	5.7	12	34	36	19	10	7.3
27	12	3.2	5.4	6.2	5.9	5.4	12	32	34	18	13	10
28	12	3.2	5.4	6.2	5.9	5.7	13	30	29	18	14	11
29	11	3.0	5.4	6.8	---	5.9	13	32	28	15	13	12
30	10	3.0	5.6	6.8	---	5.9	13	56	29	14	12	13
31	11	---	5.6	6.8	---	5.7	---	60	---	14	14	---
TOTAL	304.4	196.4	105.2	187.2	178.0	196.2	220.2	647.7	924	597	260.8	312.8
MEAN	9.82	6.55	3.39	6.04	6.36	6.33	7.34	20.9	30.8	19.3	8.41	10.4
AC-FT	604	390	209	371	353	389	437	1280	1830	1180	517	620
MAX	17	12	5.6	6.8	7.0	7.0	13	60	51	28	15	17
MIN	4.6	2.0	2.0	5.4	5.8	5.4	5.1	8.2	17	14	3.0	5.4

CAL YR 1985 TOTAL 3889.7 MEAN 10.7 MAX 43 MIN 2.0 AC-FT 7720  
WTR YR 1986 TOTAL 4129.9 MEAN 11.3 MAX 60 MIN 2.0 AC-FT 8190

MAX DISCH 63 CFS AT 0100 31-MAY-1986 GH 1.47 FT. SHIFT 0.05 FT. MAX GH 1.47 FT. AT 0100 31-MAY-1986



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO (1987)

LOCATION.--Lat 37°20'10", long 105°46'13", NE¼SW¼ sec. 28, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank 2.5 mi east by northeast along canal from State Route 158.

DRAINAGE AREA.--N/A

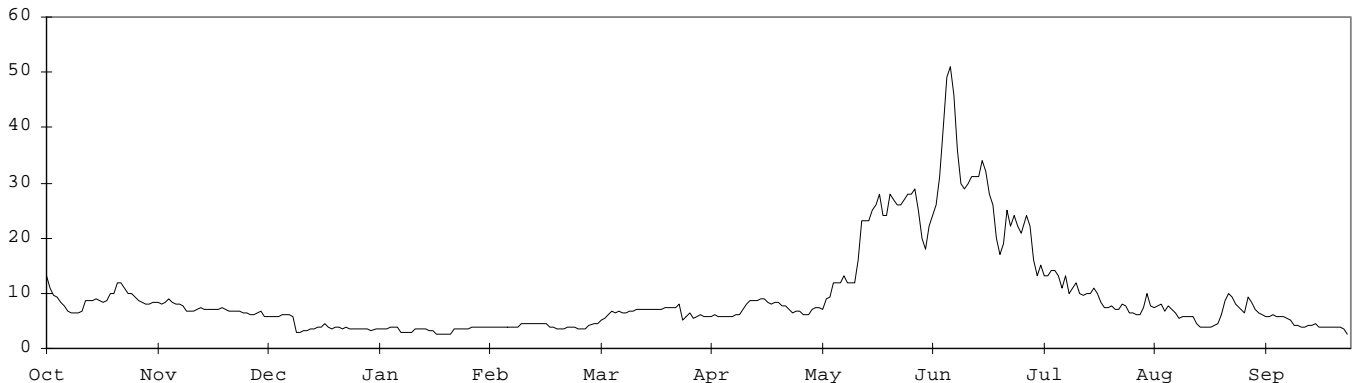
GAGE.--Graphic water-stage recorder with satellite telemetry at an 8' Parshall Flume.

RATING TABLE.-- NORDLSCO02 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	8.2	5.9	3.4	4.0	3.4	5.7	6.2	29	21	6.5	6.5
2	11	7.9	5.9	3.4	4.0	4.2	6.2	6.2	25	24	6.2	9.2
3	9.5	8.2	5.9	3.4	4.0	4.4	5.9	7.0	20	22	6.2	8.2
4	9.2	8.9	5.9	3.4	4.0	4.6	5.9	7.3	18	16	7.3	7.0
5	8.2	8.2	5.9	3.8	4.0	5.0	5.9	7.3	22	13	10	6.5
6	7.6	7.9	6.2	3.8	3.8	5.6	6.2	7.0	24	15	7.6	6.2
7	6.8	7.9	6.2	3.8	3.8	6.0	5.9	8.9	26	13	7.3	5.7
8	6.5	7.6	6.2	3.0	3.8	6.6	5.7	9.2	31	13	7.6	5.7
9	6.5	6.8	5.9	3.0	3.8	6.4	5.9	12	40	14	7.9	6.2
10	6.5	6.8	3.0	3.0	3.8	6.6	5.9	12	49	14	6.8	5.7
11	6.8	6.8	3.0	3.0	4.6	6.5	5.7	12	51	13	7.6	5.7
12	8.6	7.0	3.2	3.6	4.6	6.5	6.2	13	46	11	7.0	5.7
13	8.6	7.3	3.2	3.6	4.6	6.8	6.2	12	36	13	6.5	5.4
14	8.6	7.0	3.4	3.6	4.6	6.8	7.0	12	30	9.8	5.4	5.1
15	8.9	7.0	3.6	3.6	4.4	7.0	7.9	12	29	11	5.7	4.1
16	8.6	7.0	3.8	3.2	4.4	7.0	8.6	16	30	12	5.9	4.1
17	8.2	7.0	3.8	3.2	4.4	7.0	8.6	23	31	10	5.9	3.9
18	8.6	7.0	4.4	2.6	4.4	7.0	8.6	23	31	9.5	5.7	3.9
19	10	7.3	4.0	2.6	3.8	7.0	8.9	23	31	9.8	4.6	4.1
20	9.8	7.0	3.6	2.6	3.8	7.0	8.9	25	34	10	3.9	4.1
21	12	6.8	3.8	2.6	3.4	7.0	8.2	26	32	11	3.7	4.4
22	12	6.8	3.8	2.6	3.4	7.0	7.9	28	28	10	3.9	3.7
23	11	6.8	3.4	3.4	3.4	7.3	8.2	24	26	8.2	3.9	3.7
24	10	6.8	3.8	3.4	4.0	7.3	8.2	24	20	7.3	4.1	3.7
25	9.8	6.5	3.6	3.4	4.0	7.3	7.6	28	17	7.3	4.4	3.7
26	9.2	6.5	3.6	3.4	4.0	7.3	7.6	27	19	7.6	6.2	3.7
27	8.6	6.2	3.4	3.4	3.4	7.9	7.0	26	25	7.0	8.6	3.7
28	8.2	6.2	3.6	4.0	3.4	5.1	6.5	26	22	7.0	10	3.7
29	7.9	6.5	3.4	4.0	---	5.9	6.8	27	24	7.9	9.2	3.4
30	7.9	6.8	3.4	4.0	---	6.5	6.8	28	22	7.6	7.9	2.6
31	8.2	---	3.2	4.0	---	5.4	---	28	---	6.5	7.3	---
TOTAL	276.3	214.7	132.0	103.8	111.6	195.4	210.6	546.1	868	361.5	200.8	149.3
MEAN	8.91	7.16	4.26	3.35	3.99	6.30	7.02	17.6	28.9	11.7	6.48	4.98
AC-FT	548	426	262	206	221	388	418	1080	1720	717	398	296
MAX	13	8.9	6.2	4.0	4.6	7.9	8.9	28	51	24	10	9.2
MIN	6.5	6.2	3.0	2.6	3.4	3.4	5.7	6.2	17	6.5	3.7	2.6
CAL YR 1986 TOTAL	4146.9		MEAN	11.4	MAX	60	MIN	3.0	AC-FT	8230		
WTR YR 1987 TOTAL	3370.1		MEAN	9.23	MAX	51	MIN	2.6	AC-FT	6680		

MAX DISCH 53 CFS AT 1730 10-JUN-1987 GH 1.29 FT. SHIFT 0.08 FT. MAX GH 1.29 FT. AT 1730 10-JUN-1987



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO (1988)

LOCATION.--Lat 37°20'10", long 105°46'13", NE¼SW¼ sec. 28, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank 2.5 mi east by northeast along canal from State Route 158.

DRAINAGE AREA.--N/A

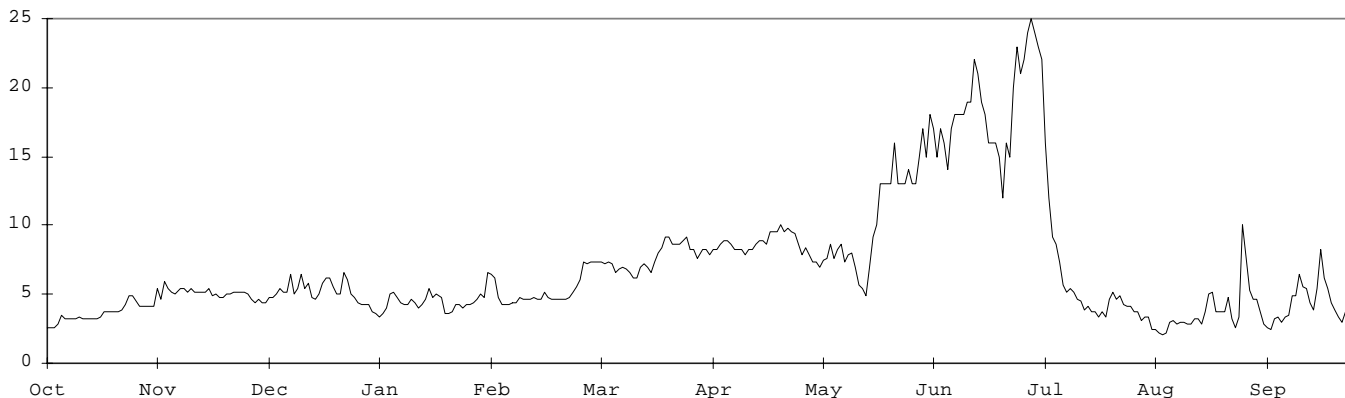
GAGE.--Graphic water-stage recorder with satellite telemetry at an 8' Parshall Flume.

RATING TABLE.-- NORDLSCO02 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	5.4	4.4	3.6	6.6	7.4	8.3	7.9	15	24	3.7	5.3
2	2.6	4.6	4.8	3.4	6.4	7.4	8.2	7.3	17	25	3.1	4.6
3	2.6	5.9	4.8	3.6	6.2	7.4	7.9	7.3	15	24	3.4	4.7
4	2.8	5.4	5.0	4.0	4.8	7.4	8.2	7.0	18	23	3.3	3.7
5	3.5	5.1	5.4	5.0	4.2	7.2	8.2	7.5	17	22	2.4	2.8
6	3.2	5.0	5.2	5.2	4.2	7.4	8.6	7.6	15	16	2.4	2.6
7	3.2	5.4	5.2	4.8	4.2	7.2	8.9	8.6	17	12	2.2	2.4
8	3.2	5.4	6.4	4.4	4.4	6.6	8.9	7.6	16	9.2	2.0	3.2
9	3.2	5.1	5.0	4.2	4.4	6.8	8.6	8.2	14	8.6	2.2	3.3
10	3.4	5.4	5.4	4.2	4.8	7.0	8.2	8.6	17	7.3	3.0	3.0
11	3.2	5.1	6.4	4.6	4.6	6.8	8.2	7.3	18	5.7	3.1	3.4
12	3.2	5.1	5.4	4.4	4.6	6.6	8.2	7.9	18	5.1	2.8	3.5
13	3.2	5.1	5.8	4.0	4.6	6.2	7.9	8.0	18	5.4	3.0	4.9
14	3.2	5.1	4.8	4.2	4.8	6.2	8.2	7.0	19	5.1	3.0	4.9
15	3.2	5.4	4.6	4.6	4.6	7.0	8.2	5.7	19	4.6	2.8	6.5
16	3.4	4.9	5.0	5.4	4.6	7.2	8.6	5.4	22	4.5	2.8	5.6
17	3.7	5.0	5.8	4.8	5.2	7.0	8.9	4.9	21	3.9	3.2	5.4
18	3.7	4.8	6.2	5.0	4.8	6.6	8.9	7.0	19	4.1	3.2	4.4
19	3.7	4.8	6.2	4.8	4.6	7.4	8.6	9.2	18	3.7	2.8	3.9
20	3.7	5.0	5.6	3.6	4.6	8.0	9.5	10	16	3.7	3.7	5.4
21	3.7	5.0	5.0	3.6	4.6	8.4	9.6	13	16	3.4	5.0	8.2
22	3.9	5.2	5.0	3.8	4.6	9.2	9.5	13	16	3.7	5.1	6.2
23	4.3	5.2	6.6	4.2	4.6	9.2	10	13	15	3.4	3.8	5.4
24	4.9	5.2	6.0	4.2	4.8	8.6	9.6	13	12	4.6	3.7	4.4
25	4.9	5.2	5.0	4.0	5.2	8.6	9.8	16	16	5.1	3.7	3.9
26	4.5	5.0	4.8	4.2	5.6	8.6	9.5	13	15	4.6	4.8	3.4
27	4.1	4.6	4.4	4.2	6.0	8.9	9.4	13	20	4.9	3.2	3.0
28	4.1	4.4	4.2	4.4	7.4	9.2	8.6	13	23	4.3	2.6	3.7
29	4.1	4.6	4.2	4.6	7.2	8.2	7.9	14	21	4.1	3.3	2.8
30	4.1	4.4	4.2	5.0	---	8.2	8.4	13	22	4.1	10	2.8
31	4.1	---	3.8	4.8	---	7.6	---	13	---	3.7	7.7	---
TOTAL	111.2	151.8	160.6	134.8	147.2	235.5	261.5	297.0	525	262.8	111.0	127.3
MEAN	3.59	5.06	5.18	4.35	5.08	7.60	8.72	9.58	17.5	8.48	3.58	4.24
AC-FT	221	301	319	267	292	467	519	589	1040	521	220	252
MAX	4.9	5.9	6.6	5.4	7.4	9.2	10	16	23	25	10	8.2
MIN	2.6	4.4	3.8	3.4	4.2	6.2	7.9	4.9	12	3.4	2.0	2.4
CAL YR 1987 TOTAL		3170.7	MEAN	8.69	MAX	51	MIN	2.6	AC-FT	6290		
WTR YR 1988 TOTAL		2525.7	MEAN	6.90	MAX	25	MIN	2.0	AC-FT	5010		

MAX DISCH 28 CFS AT 0300 28-JUN-1988 GH 0.96 FT. SHIFT -0.03 FT. MAX GH 0.96 FT. AT 0300 28-JUN-1988



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO (1989)

LOCATION.--Lat 37°20'10", long 105°46'13", NE¼SW¼ sec. 28, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank 2.5 mi east by northeast along canal from State Route 158.

DRAINAGE AREA.--N/A

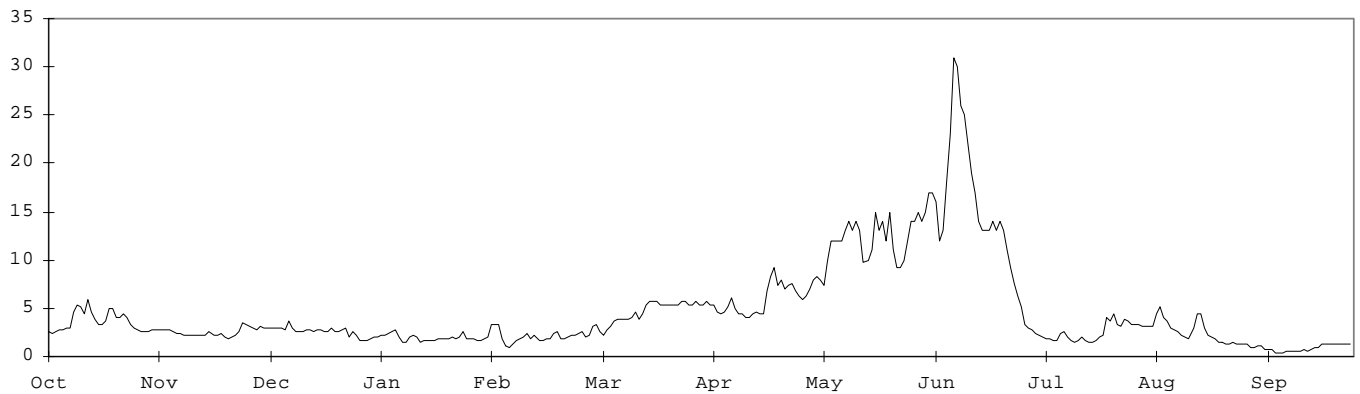
GAGE.--Graphic water-stage recorder with satellite telemetry at an 8' Parshall Flume.

RATING TABLE.--NORDLSCO02 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.8	3.0	2.1	2.0	2.3	5.4	6.2	15	3.4	3.4	1.2
2	2.4	2.8	3.0	2.2	3.4	3.1	5.4	7.0	14	3.0	3.4	0.92
3	2.6	2.8	3.0	2.3	3.3	3.3	5.7	7.9	15	2.8	3.2	0.92
4	2.8	2.8	3.0	2.4	3.3	2.6	5.4	8.2	17	2.4	3.2	1.1
5	2.8	2.6	2.9	2.6	1.9	2.2	5.4	7.9	17	2.2	3.2	1.1
6	3.0	2.4	2.7	2.8	1.1	2.7	4.6	7.3	16	2.0	3.2	0.79
7	3.0	2.4	3.7	2.0	1.0	3.1	4.4	10	12	1.8	4.4	0.79
8	4.6	2.2	2.9	1.5	1.3	3.7	4.6	12	13	1.8	5.1	0.67
9	5.4	2.2	2.5	1.5	1.7	3.9	5.1	12	18	1.7	4.1	0.45
10	5.1	2.2	2.5	2.0	1.9	3.8	6.0	12	23	1.7	3.7	0.45
11	4.4	2.2	2.6	2.2	2.0	3.9	4.9	12	31	2.4	3.0	0.45
12	5.9	2.2	2.7	2.0	2.4	3.9	4.4	13	30	2.6	2.8	0.55
13	4.6	2.3	2.7	1.4	1.8	4.0	4.4	14	26	2.0	2.6	0.55
14	3.9	2.2	2.5	1.6	2.3	4.6	4.1	13	25	1.7	2.2	0.55
15	3.4	2.6	2.8	1.7	1.7	3.8	4.1	14	22	1.5	2.0	0.55
16	3.4	2.3	2.7	1.6	1.7	4.5	4.4	13	19	1.7	1.8	0.55
17	3.7	2.3	2.6	1.7	1.8	5.4	4.6	9.8	17	2.0	3.0	0.67
18	4.9	2.4	2.5	1.8	1.8	5.7	4.4	10	14	1.7	4.4	0.55
19	4.9	2.1	2.9	1.8	2.4	5.7	4.4	11	13	1.4	4.4	0.79
20	4.1	1.9	2.5	1.8	2.6	5.7	6.8	15	13	1.5	3.0	0.92
21	4.1	2.0	2.6	1.8	1.9	5.4	8.2	13	13	1.7	2.2	0.92
22	4.4	2.3	2.7	2.0	1.8	5.4	9.2	14	14	2.0	2.0	1.2
23	4.1	2.6	2.9	1.9	2.0	5.4	7.3	12	13	2.2	1.8	1.2
24	3.4	3.5	2.0	2.1	2.2	5.4	7.9	15	14	4.1	1.5	1.2
25	3.0	3.3	2.5	2.5	2.2	5.4	7.0	11	13	3.7	1.4	1.2
26	2.8	3.1	2.2	1.9	2.4	5.4	7.3	9.2	11	4.4	1.2	1.2
27	2.6	2.9	1.7	1.8	2.5	5.7	7.6	9.2	9.2	3.4	1.2	1.2
28	2.6	2.8	1.6	1.9	2.1	5.7	6.8	10	7.6	3.2	1.4	1.2
29	2.6	3.1	1.6	1.6	---	5.4	6.2	12	6.2	3.9	1.2	1.2
30	2.8	3.0	1.8	1.7	---	5.4	5.9	14	5.1	3.7	1.2	1.2
31	2.8	---	2.0	1.8	---	5.7	---	14	---	3.4	1.2	---
TOTAL	112.7	76.3	79.3	60.0	58.5	138.2	171.9	348.7	476.1	77.0	82.4	26.24
MEAN	3.64	2.54	2.56	1.94	2.09	4.46	5.73	11.2	15.9	2.48	2.66	0.87
AC-FT	224	151	157	119	116	274	341	692	944	153	163	52
MAX	5.9	3.5	3.7	2.8	3.4	5.7	9.2	15	31	4.4	5.1	1.2
MIN	2.4	1.9	1.6	1.4	1.0	2.2	4.1	6.2	5.1	1.4	1.2	0.45
CAL YR 1988 TOTAL	2370.4		MEAN	6.48	MAX	25	MIN	1.6	AC-FT	4700		
WTR YR 1989 TOTAL	1707.34		MEAN	4.68	MAX	31	MIN	0.45	AC-FT	3390		

MAX DISCH 32 CFS AT 0700 11-JUN-1989 GH 1.00 FT. SHIFT 0.00 FT. MAX GH 1.00 FT. AT 0700 11-JUN-1989



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO (1990)

LOCATION.--Lat 37°20'10", long 105°46'13", NE¼SW¼ sec. 28, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank 2.5 mi east by northeast along canal from State Route 158.

DRAINAGE AREA.--N/A

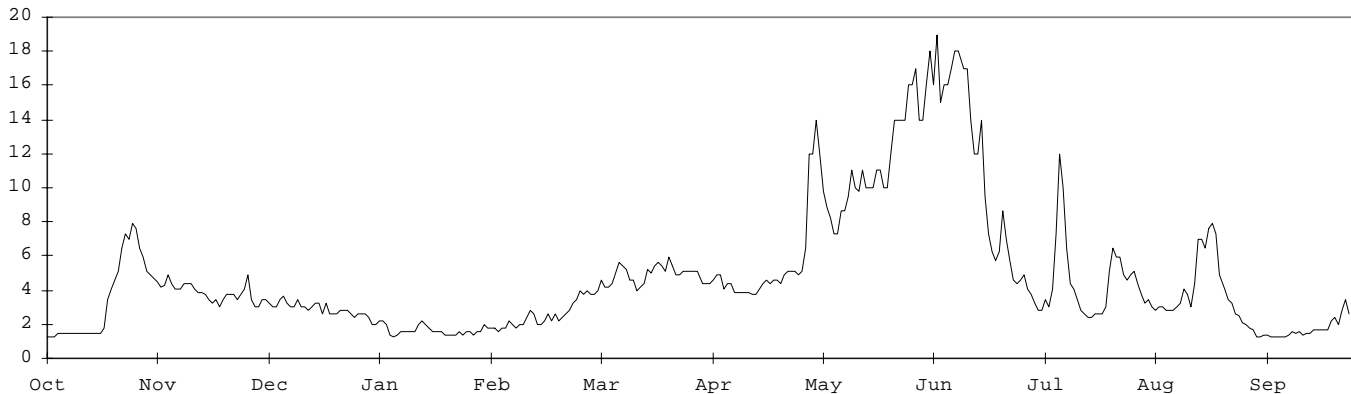
GAGE.--Graphic water-stage recorder with satellite telemetry at an 8' Parshall Flume.

RATING TABLE.--NORDLSCO02 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	4.5	3.4	2.0	1.8	4.0	5.1	6.5	17	4.9	5.1	2.0
2	1.2	4.2	3.2	2.2	1.8	3.8	4.4	12	14	4.1	4.4	1.8
3	1.2	4.3	3.0	2.2	1.8	3.8	4.4	12	14	3.7	3.7	1.7
4	1.5	4.9	3.0	2.0	1.6	4.0	4.4	14	16	3.2	3.2	1.2
5	1.5	4.4	3.4	1.4	1.8	4.6	4.6	12	18	2.8	3.4	1.2
6	1.5	4.1	3.6	1.2	1.8	4.2	4.9	9.8	16	2.8	3.0	1.4
7	1.5	4.1	3.2	1.4	2.2	4.2	4.9	8.9	19	3.4	2.8	1.4
8	1.5	4.4	3.0	1.6	2.0	4.4	4.1	8.2	15	3.0	3.0	1.2
9	1.5	4.4	3.0	1.6	1.8	5.0	4.4	7.3	16	4.1	3.0	1.2
10	1.5	4.4	3.4	1.6	2.0	5.6	4.4	7.3	16	7.3	2.8	1.2
11	1.5	4.1	3.0	1.6	2.0	5.4	3.9	8.6	17	12	2.8	1.2
12	1.5	3.9	3.0	1.6	2.4	5.2	3.9	8.6	18	10	2.8	1.2
13	1.5	3.9	2.8	2.0	2.8	4.6	3.9	9.5	18	6.5	3.0	1.4
14	1.5	3.7	3.0	2.2	2.6	4.6	3.9	11	17	4.4	3.2	1.6
15	1.5	3.4	3.2	2.0	2.0	4.0	3.9	10	17	4.1	4.1	1.5
16	1.5	3.2	3.2	1.8	2.0	4.2	3.7	9.8	14	3.4	3.7	1.6
17	1.8	3.4	2.6	1.6	2.2	4.4	3.7	11	12	2.8	3.0	1.4
18	3.4	3.0	3.2	1.6	2.6	5.2	4.1	10	12	2.6	4.4	1.5
19	4.1	3.4	2.6	1.6	2.2	5.0	4.4	10	14	2.4	7.0	1.5
20	4.6	3.7	2.6	1.4	2.6	5.4	4.6	10	9.5	2.4	7.0	1.7
21	5.1	3.7	2.6	1.4	2.2	5.6	4.4	11	7.3	2.6	6.5	1.7
22	6.5	3.7	2.8	1.4	2.4	5.4	4.6	11	6.2	2.6	7.6	1.7
23	7.3	3.4	2.8	1.4	2.6	5.1	4.6	10	5.7	2.6	7.9	1.7
24	7.0	3.7	2.8	1.6	2.8	5.9	4.4	10	6.2	3.0	7.3	1.7
25	7.9	4.1	2.6	1.4	3.2	5.4	4.9	12	8.6	5.1	4.9	2.2
26	7.6	4.9	2.4	1.6	3.4	4.9	5.1	14	7.0	6.5	4.1	2.4
27	6.5	3.4	2.6	1.6	4.0	4.9	5.1	14	5.7	5.9	3.4	2.0
28	5.9	3.0	2.6	1.4	3.8	5.1	5.1	14	4.6	5.9	3.2	2.8
29	5.1	3.0	2.6	1.6	---	5.1	4.9	14	4.4	4.9	2.6	3.4
30	4.9	3.4	2.4	1.6	---	5.1	5.1	16	4.6	4.6	2.5	2.6
31	4.7	---	2.0	2.0	---	5.1	---	16	---	4.9	2.1	---
TOTAL	105.5	115.7	89.6	51.6	66.4	149.2	133.8	338.5	369.8	138.5	127.5	51.1
MEAN	3.40	3.86	2.89	1.66	2.37	4.81	4.46	10.9	12.3	4.47	4.11	1.70
AC-FT	209	229	178	102	132	296	265	671	733	275	253	101
MAX	7.9	4.9	3.6	2.2	4.0	5.9	5.1	16	19	12	7.9	3.4
MIN	1.2	3.0	2.0	1.2	1.6	3.8	3.7	6.5	4.4	2.4	2.1	1.2
CAL YR 1989 TOTAL	1749.84		MEAN	4.79	MAX	31	MIN	0.45	AC-FT	3470		
WTR YR 1990 TOTAL	1737.2		MEAN	4.76	MAX	19	MIN	1.2	AC-FT	3450		

MAX DISCH 25 CFS AT 0130 07-JUN-1990 GH 0.92 FT. SHIFT -0.06 FT. MAX GH 0.92 FT. AT 0130 07-JUN-1990



RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO (1982)

LOCATION.--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

DRAINAGE AREA.--45 mi<sup>2</sup>.

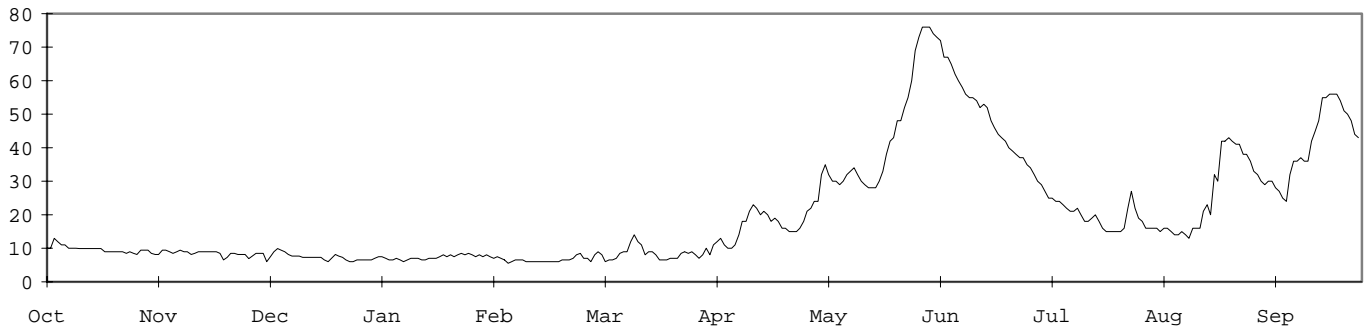
GAGE.--Graphic water-stage recorder. Altitude of gage is 8,520 ft, from topographic map.

RATING TABLE.--TRITURCO11 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	8.1	6.0	7.5	7.5	6.0	8.0	22	76	34	18	33
2	10	9.4	7.5	7.5	7.0	8.0	10	24	76	32	16	32
3	13	9.4	9.0	7.0	7.5	9.0	8.0	24	76	30	16	30
4	12	9.0	9.9	6.5	7.0	8.0	11	32	74	29	16	29
5	11	8.5	9.4	6.5	6.5	6.0	12	35	73	27	16	30
6	11	9.0	9.0	7.0	5.5	6.5	13	32	72	25	15	30
7	10	9.4	8.1	6.5	6.0	6.5	11	30	67	25	16	28
8	10	9.0	7.7	6.0	6.5	7.0	10	30	67	24	16	27
9	10	9.0	7.7	6.5	6.5	8.5	10	29	65	24	15	25
10	9.9	8.1	7.7	7.0	6.5	9.0	11	30	62	23	14	24
11	9.9	8.5	7.3	7.0	6.0	9.0	14	32	60	22	14	32
12	9.9	9.0	7.3	7.0	6.0	12	18	33	58	21	15	36
13	9.9	9.0	7.3	6.5	6.0	14	18	34	56	21	14	36
14	9.9	9.0	7.3	6.5	6.0	12	21	32	55	22	13	37
15	9.9	9.0	7.3	7.0	6.0	11	23	30	55	20	16	36
16	9.9	9.0	7.3	7.0	6.0	8.0	22	29	54	18	16	36
17	9.0	9.0	6.5	7.0	6.0	9.0	20	28	52	18	16	42
18	9.0	8.5	6.0	7.5	6.0	9.0	21	28	53	19	21	45
19	9.0	6.5	7.0	8.0	6.0	8.0	20	28	52	20	23	48
20	9.0	7.3	8.1	7.5	6.0	6.5	18	30	48	18	20	55
21	9.0	8.5	7.7	8.0	6.5	6.5	19	33	46	16	32	55
22	9.0	8.5	7.3	7.5	6.5	6.5	18	38	44	15	30	56
23	8.5	8.1	6.5	8.0	6.5	7.0	16	42	43	15	42	56
24	9.0	8.1	6.0	8.5	7.0	7.0	16	43	42	15	42	56
25	8.5	8.1	6.0	8.0	8.0	7.0	15	48	40	15	43	54
26	8.1	6.9	6.5	8.5	8.5	8.5	15	48	39	15	42	51
27	9.4	7.7	6.5	8.0	7.0	9.0	15	52	38	16	41	50
28	9.4	8.5	6.5	7.5	7.0	8.5	16	55	37	22	41	48
29	9.4	8.5	6.5	8.0	---	9.0	18	60	37	27	38	44
30	8.5	8.5	6.5	7.5	---	8.0	21	69	35	22	38	43
31	8.1	---	7.0	8.0	---	7.0	---	73	---	19	36	---
TOTAL	299.2	255.1	226.4	226.5	183.5	257.0	468.0	1153	1652	669	751	1204
MEAN	9.65	8.50	7.30	7.31	6.55	8.29	15.6	37.2	55.1	21.6	24.2	40.1
AC-FT	593	506	449	449	364	510	928	2290	3280	1330	1490	2390
MAX	13	9.4	9.9	8.5	8.5	14	23	73	76	34	43	56
MIN	8.1	6.5	6.0	6.0	5.5	6.0	8.0	22	35	15	13	24
CAL YR 1981 TOTAL		4116.3	MEAN	11.3	MAX	33	MIN	5.9	AC-FT	8160		
WTR YR 1982 TOTAL		7344.7	MEAN	20.1	MAX	76	MIN	5.5	AC-FT	14570		

MAX DISCH 107 CFS AT 1030 08-JUN-1982 GH 2.40 FT. SHIFT -0.02 FT. MAX GH 2.42 FT. AT 1300 18-DEC-1981



RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO (1983)

LOCATION.--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

DRAINAGE AREA.--45 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,520 ft, from topographic map.

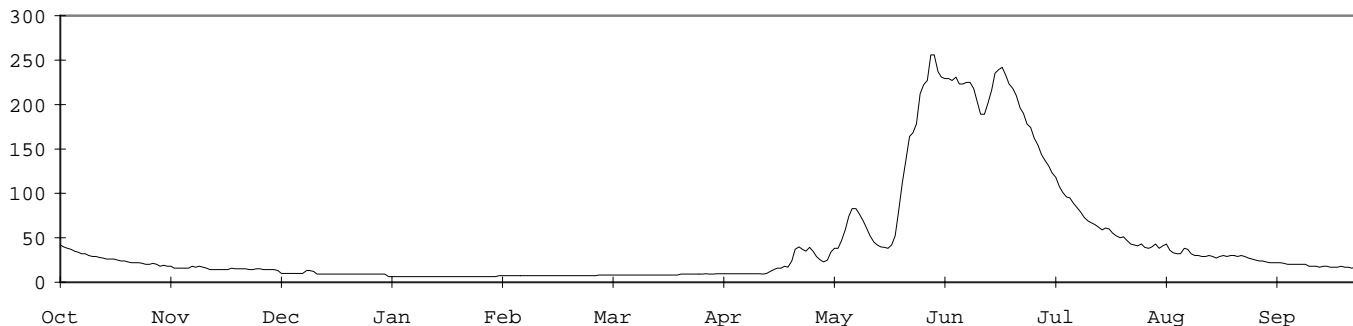
RATING TABLE.--TRITURCOL1 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	18	13	6.5	7.5	8.0	9.0	29	227	162	39	25
2	40	16	10	6.5	7.5	8.0	9.0	25	256	154	38	24
3	38	16	10	6.5	7.5	8.0	9.4	23	256	144	40	24
4	37	16	10	6.5	7.5	8.0	9.5	25	237	137	43	23
5	35	16	10	6.5	7.5	8.0	9.5	34	231	131	38	22
6	34	16	10	6.5	7.5	8.0	9.5	38	229	123	41	22
7	32	18	10	6.5	7.5	8.0	9.5	38	229	118	43	22
8	32	17	10	6.5	7.5	8.0	9.5	47	227	108	36	22
9	30	18	13	6.5	7.5	8.0	9.5	59	231	101	33	21
10	29	17	13	6.5	7.5	8.0	9.5	74	223	96	32	20
11	29	16	12	6.5	7.5	8.0	9.5	83	223	95	32	20
12	28	14	9.0	6.5	7.5	8.0	9.5	83	225	89	38	20
13	27	14	9.0	6.5	7.5	8.0	9.5	77	225	84	37	20
14	26	14	9.0	6.5	7.5	8.0	9.5	69	218	79	32	20
15	26	14	9.0	6.5	7.5	8.0	9.4	61	203	73	30	20
16	26	14	9.0	6.5	7.5	8.0	9.0	52	189	69	30	18
17	25	14	9.0	6.5	7.5	8.0	9.9	45	189	67	29	18
18	24	16	9.0	6.5	7.5	8.0	12	42	201	65	29	18
19	24	15	9.0	6.5	7.5	8.0	14	40	216	62	30	17
20	23	15	9.0	6.5	7.5	8.0	16	39	235	59	29	18
21	22	15	9.0	6.5	7.5	8.0	16	38	239	61	27	18
22	22	15	9.0	6.5	7.5	8.0	18	42	242	60	29	17
23	22	14	9.0	6.5	7.5	8.0	17	52	233	55	30	17
24	21	14	9.0	6.5	7.5	9.0	24	79	223	52	29	17
25	20	15	9.0	6.5	7.5	9.0	37	112	218	50	30	18
26	20	15	9.0	6.5	7.5	9.0	40	136	210	51	30	17
27	21	14	9.0	6.5	7.5	9.0	37	164	196	47	29	17
28	20	14	9.0	6.5	7.5	9.0	35	168	190	43	30	16
29	18	14	9.0	6.5	---	9.0	39	178	178	42	29	17
30	19	14	9.0	6.5	---	9.0	35	212	174	41	27	18
31	18	---	9.0	6.5	---	9.4	---	222	---	43	26	---
TOTAL	830	458	301.0	201.5	210.0	256.4	500.2	2386	6573	2561	1015	586
MEAN	26.8	15.3	9.71	6.50	7.50	8.27	16.7	77.0	219	82.6	32.7	19.5
AC-FT	1650	908	597	400	417	509	992	4730	13040	5080	2010	1160
MAX	42	18	13	6.5	7.5	9.4	40	222	256	162	43	25
MIN	18	14	9.0	6.5	7.5	8.0	9.0	23	174	41	26	16

CAL YR 1982 TOTAL 8153.0 MEAN 22.3 MAX 76 MIN 5.5 AC-FT 16170  
WTR YR 1983 TOTAL 15878.1 MEAN 43.5 MAX 256 MIN 6.5 AC-FT 31490

MAX DISCH 272 CFS AT 0500 03-JUN-1983 GH 3.21 FT. SHIFT +0.10 FT. MAX GH 3.21 FT. AT 0500 03-JUN-1983



RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO (1984)

LOCATION.--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

DRAINAGE AREA.--45 mi<sup>2</sup>.

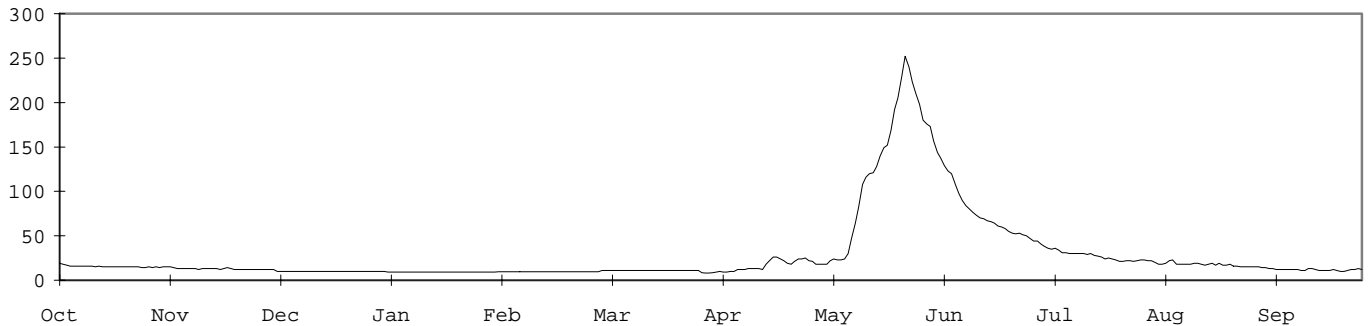
GAGE.--Graphic water-stage recorder. Altitude of gage is 8,520 ft, from topographic map.

RATING TABLE.--TRITURCO11 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	15	10	9.0	9.5	11	8.5	18	173	44	22	15
2	18	14	10	9.0	9.5	11	9.0	18	157	41	22	14
3	17	13	10	9.0	9.5	11	9.9	18	144	38	20	14
4	16	13	10	9.0	9.5	11	9.0	22	137	36	18	13
5	16	13	10	9.0	9.5	11	9.0	24	129	35	18	13
6	16	13	10	9.0	9.5	11	9.9	23	123	36	19	12
7	16	13	10	9.0	9.5	11	10	23	120	34	22	12
8	16	13	10	9.0	9.5	11	12	24	108	31	23	12
9	16	12	10	9.0	9.5	11	12	30	98	31	18	12
10	16	13	10	9.0	9.5	11	12	47	90	30	18	12
11	15	13	10	9.0	9.5	11	13	64	84	30	18	12
12	16	13	10	9.0	9.5	11	13	83	80	30	18	12
13	15	13	10	9.0	9.5	11	13	108	76	30	18	11
14	15	13	10	9.0	9.5	11	13	116	73	30	19	11
15	15	12	10	9.0	9.5	11	12	120	70	29	19	13
16	15	13	10	9.0	9.5	11	18	121	69	30	18	13
17	15	14	10	9.0	9.5	11	22	128	67	28	17	12
18	15	13	10	9.0	9.5	11	26	140	66	27	18	11
19	15	12	10	9.0	9.5	11	26	149	64	26	19	11
20	15	12	10	9.0	9.5	11	24	152	61	24	17	11
21	15	12	10	9.0	9.5	11	22	169	60	25	19	11
22	15	12	10	9.0	9.5	11	19	192	58	24	17	12
23	15	12	10	9.0	9.5	11	18	205	55	23	17	11
24	14	12	10	9.0	9.5	11	21	229	53	21	18	10
25	14	12	10	9.0	9.5	11	24	252	52	21	16	10
26	15	12	10	9.0	9.5	11	24	240	53	22	16	11
27	14	12	10	9.0	9.5	11	25	223	51	22	15	12
28	15	12	10	9.0	9.5	11	22	210	50	21	15	12
29	14	12	10	9.0	9.5	8.5	21	198	47	22	15	13
30	15	12	10	9.0	---	8.1	18	180	44	23	15	12
31	15	---	10	9.0	---	8.2	---	176	---	23	15	---
TOTAL	478	380	310	279.0	275.5	332.8	495.3	3702	2512	887	559	360
MEAN	15.4	12.7	10.0	9.00	9.50	10.7	16.5	119	83.7	28.6	18.0	12.0
AC-FT	948	754	615	553	546	660	982	7340	4980	1760	1110	714
MAX	19	15	10	9.0	9.5	11	26	252	173	44	23	15
MIN	14	12	10	9.0	9.5	8.1	8.5	18	44	21	15	10
CAL YR 1983 TOTAL	15457.1		MEAN	42.3	MAX	256	MIN	6.5	AC-FT	30660		
WTR YR 1984 TOTAL	10570.6		MEAN	28.9	MAX	252	MIN	8.1	AC-FT	20970		

MAX DISCH 266 CFS AT 2230 25-MAY-1984 GH 2.95 FT. SHIFT +0.33 FT. MAX GH 2.95 FT. AT 2230 25-MAY-1984



## RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO (1985)

**LOCATION.**--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

**DRAINAGE AREA.**--45 mi<sup>2</sup>.

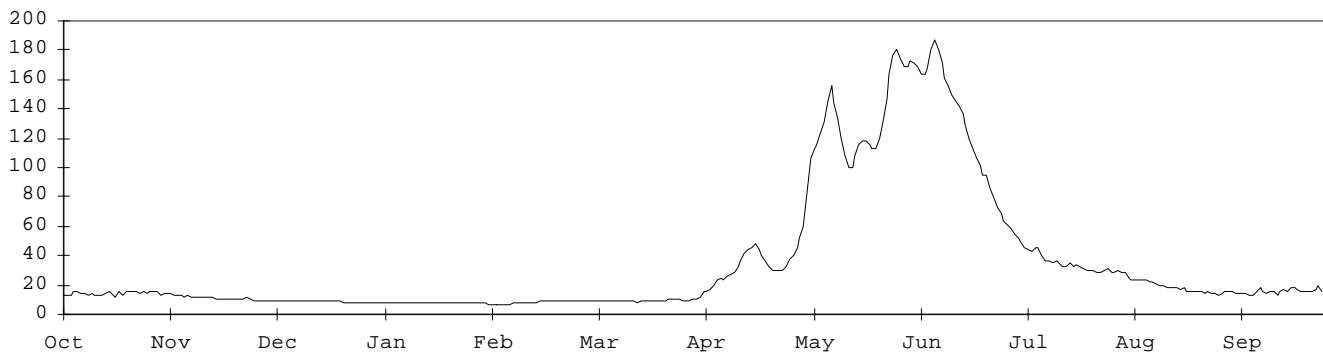
**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,520 ft, from topographic map.

**RATING TABLE.**--TRITURCO12 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	14	8.6	8.2	7.0	9.0	9.8	46	169	61	28	14
2	13	13	8.6	8.2	7.0	9.0	9.9	52	169	59	30	16
3	13	13	8.6	8.2	7.0	9.0	12	60	173	55	28	16
4	16	13	8.6	8.2	7.0	9.0	15	83	171	52	29	15
5	15	12	8.6	8.2	7.0	9.0	15	106	169	50	25	14
6	14	13	8.6	8.2	7.0	9.0	17	113	164	46	24	14
7	14	12	8.6	8.2	7.0	9.0	20	115	164	44	23	14
8	13	12	8.6	8.2	7.6	9.0	23	124	168	43	23	14
9	14	12	8.6	8.2	7.6	9.0	25	131	181	45	24	13
10	13	12	9.0	7.2	7.6	9.0	24	145	187	46	24	13
11	13	12	9.0	7.2	7.6	9.0	26	156	180	40	22	15
12	13	12	9.0	7.2	7.6	9.0	27	144	171	37	22	18
13	14	12	9.0	7.2	7.6	9.0	29	134	161	36	21	15
14	15	11	9.0	7.2	7.6	9.0	32	120	156	35	20	14
15	14	10	9.0	7.2	7.6	9.0	37	108	149	36	19	15
16	12	11	9.0	7.2	8.6	8.1	42	100	145	35	18	15
17	15	11	9.0	7.2	8.6	8.7	44	100	142	33	18	13
18	13	11	9.0	7.6	8.6	9.4	46	108	136	33	18	15
19	16	11	9.0	7.6	8.6	9.0	48	116	129	35	18	17
20	16	10	9.0	7.6	8.6	9.0	44	118	120	32	17	16
21	15	11	8.4	7.6	8.6	9.0	40	118	113	34	18	18
22	15	11	8.4	7.6	8.6	8.5	36	116	107	32	16	18
23	14	12	8.4	7.6	8.6	8.5	32	113	101	31	15	17
24	15	10	8.4	7.6	8.6	9.4	30	113	95	30	16	16
25	14	9.4	8.4	7.6	8.6	9.9	30	120	95	30	15	15
26	15	9.0	8.4	7.6	8.6	11	30	132	86	30	15	15
27	15	9.0	8.4	7.6	8.6	9.9	30	147	79	28	14	15
28	15	9.0	8.4	7.6	8.6	9.9	33	164	73	28	15	17
29	13	9.0	8.4	7.6	---	9.4	38	176	69	30	14	19
30	14	9.0	8.4	7.6	---	9.2	40	180	64	31	14	16
31	14	---	8.4	7.6	---	9.4	---	174	---	28	13	---
TOTAL	438	335.4	268.8	237.8	221.6	283.3	884.7	3732	4086	1185	616	462
MEAN	14.1	11.2	8.67	7.67	7.91	9.14	29.5	120	136	38.2	19.9	15.4
AC-FT	869	665	533	472	440	562	1750	7400	8100	2350	1220	916
MAX	16	14	9.0	8.2	8.6	11	48	180	187	61	30	19
MIN	12	9.0	8.4	7.2	7.0	8.1	9.8	46	64	28	13	13
CAL YR 1984 TOTAL	10444.8		MEAN	28.5	MAX	252	MIN	8.1	AC-FT	20720		
WTR YR 1985 TOTAL	12750.6		MEAN	34.9	MAX	187	MIN	7.0	AC-FT	25290		

MAX DISCH 190 CFS AT 2200 10-JUN-1985 GH 2.49 FT. SHIFT +0.39 FT. MAX GH 2.49 FT. AT 2200 10-JUN-1985



RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO (1986)

LOCATION.--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

DRAINAGE AREA.--45 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,520 ft, from topographic map.

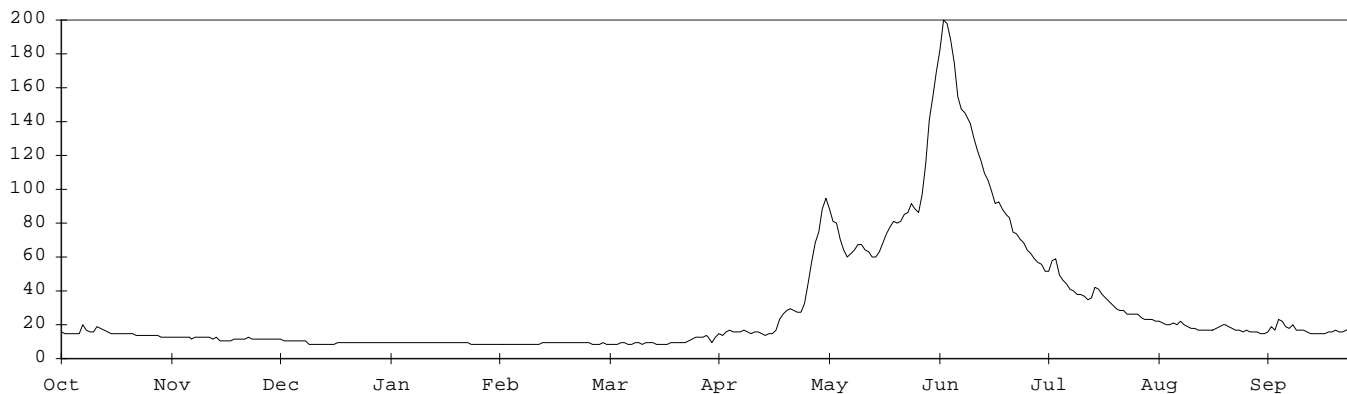
RATING TABLE.--TRITURCO12 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	13	12	9.8	8.8	8.4	14	57	97	64	26	17
2	15	13	12	9.8	8.8	8.4	13	68	115	62	24	16
3	15	13	11	9.8	8.4	9.0	9.0	75	141	59	23	16
4	15	13	11	9.8	8.4	8.6	13	88	155	57	23	16
5	15	13	11	9.0	8.4	8.6	15	95	170	56	23	15
6	15	13	11	9.0	8.4	8.6	14	88	182	52	22	15
7	20	12	11	9.0	8.4	8.6	16	81	200	52	22	16
8	17	13	11	9.0	8.4	9.0	17	80	198	58	21	19
9	16	13	11	9.0	8.2	9.0	16	71	188	59	20	17
10	16	13	8.0	9.0	8.2	8.6	16	64	175	50	20	23
11	19	13	8.0	9.0	8.2	8.6	16	60	155	46	21	22
12	18	13	8.0	9.0	8.2	9.0	17	62	147	44	20	19
13	17	12	8.0	9.0	8.2	9.0	16	64	145	41	22	18
14	16	13	8.0	9.0	9.6	8.6	15	67	143	40	20	20
15	15	11	8.0	9.0	9.6	9.0	16	67	139	38	19	17
16	15	11	8.0	9.2	9.6	9.0	16	64	131	38	18	17
17	15	11	8.0	9.2	9.6	9.0	15	63	123	37	18	17
18	15	11	9.2	9.2	9.6	8.5	14	60	117	35	17	16
19	15	12	9.2	9.2	9.6	8.5	15	60	109	36	17	15
20	15	12	9.2	9.2	9.6	8.5	15	63	105	42	17	15
21	15	12	9.2	9.2	9.2	8.5	17	68	99	41	17	15
22	14	12	9.2	9.2	9.2	9.0	23	74	92	38	17	15
23	14	13	9.2	9.2	9.2	9.4	26	78	93	36	18	15
24	14	12	10	9.2	9.2	9.8	28	81	88	34	19	16
25	14	12	10	8.6	9.2	10	29	80	85	32	20	16
26	14	12	10	8.6	9.0	10	28	81	83	29	20	17
27	14	12	10	8.6	9.0	11	27	85	75	28	19	16
28	14	12	10	8.6	8.4	12	27	86	74	28	18	16
29	13	12	10	8.8	---	13	33	92	71	26	17	17
30	13	12	9.8	8.8	---	13	44	88	68	26	17	18
31	13	---	9.8	8.8	---	13	---	86	---	26	16	---
TOTAL	472	369	299.8	281.8	248.6	293.2	580.0	2296	3763	1310	611	507
MEAN	15.2	12.3	9.67	9.09	8.88	9.46	19.3	74.1	125	42.3	19.7	16.9
AC-FT	936	732	595	559	493	582	1150	4550	7460	2600	1210	1010
MAX	20	13	12	9.8	9.6	13	44	95	200	64	26	23
MIN	13	11	8.0	8.6	8.2	8.4	9.0	57	68	26	16	15

CAL YR 1985 TOTAL 12849.2 MEAN 35.2 MAX 187 MIN 7.0 AC-FT 25490  
WTR YR 1986 TOTAL 11031.4 MEAN 30.2 MAX 200 MIN 8.0 AC-FT 21880

MAX DISCH 211 CFS AT 0500 08-JUN-1986 GH 2.52 FT. SHIFT 0.00 FT. MAX GH 2.52 FT. AT 0500 08-JUN-1986



## RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO (1987)

**LOCATION.**--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

**DRAINAGE AREA.**--45 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,520 ft, from topographic map.

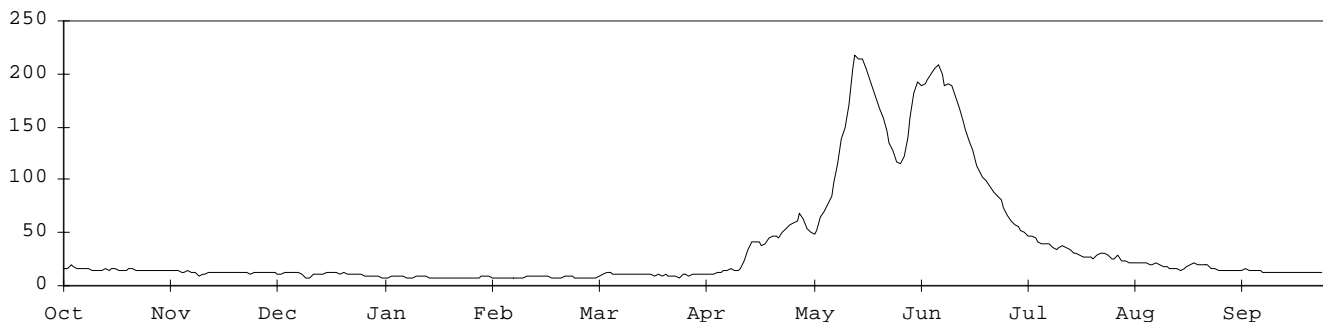
**RATING TABLE.**-- TRITURCO12 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	14	12	7.8	8.2	6.8	11	62	123	67	26	15
2	16	14	10	8.0	7.4	7.2	11	68	141	62	28	15
3	19	14	11	8.0	7.8	7.6	11	63	158	58	24	15
4	18	13	12	8.8	7.8	7.6	11	54	182	56	23	15
5	17	12	12	8.8	7.8	8.8	11	50	192	53	22	15
6	16	14	12	8.8	7.0	11	11	48	188	51	21	15
7	16	13	12	8.8	7.2	13	11	53	190	47	22	15
8	16	12	12	7.8	7.4	13	12	64	195	46	21	16
9	15	9.0	11	7.4	7.0	11	13	71	200	45	21	15
10	15	11	7.6	7.6	6.6	11	14	77	205	41	21	15
11	15	11	8.0	8.4	7.8	11	15	85	208	40	20	14
12	15	13	10	9.0	8.2	11	16	97	200	40	20	14
13	16	12	11	9.0	8.8	11	15	115	188	39	21	13
14	15	13	11	8.4	8.8	11	15	139	190	36	19	13
15	16	13	11	8.0	9.2	11	16	149	188	34	18	13
16	16	12	12	7.2	8.8	11	23	170	178	36	18	13
17	15	12	12	6.8	9.0	10	35	205	168	37	17	13
18	15	13	12	6.8	9.0	10	41	217	155	36	17	13
19	15	13	12	7.0	7.0	10	42	214	147	34	16	12
20	17	13	10	6.6	6.6	10	42	214	137	31	15	12
21	16	12	12	6.6	6.6	9.0	37	205	127	31	16	12
22	15	13	11	6.4	7.8	11	39	195	113	29	18	12
23	15	12	10	7.0	8.2	9.0	45	188	107	27	19	12
24	15	10	10	7.0	8.6	10	46	178	103	27	22	12
25	15	13	10	7.0	8.2	9.0	47	168	99	27	20	13
26	14	13	10	7.4	7.4	9.0	45	158	93	26	19	13
27	14	12	9.0	7.4	6.8	8.4	51	145	88	28	19	13
28	14	13	9.0	7.8	6.6	7.4	54	135	85	30	19	13
29	14	13	8.8	7.8	---	10	58	127	81	30	17	13
30	14	13	8.6	8.2	---	11	59	117	74	29	16	13
31	14	---	8.2	8.2	---	9.0	---	115	---	26	15	---
TOTAL	480	375.0	327.2	239.8	217.6	305.8	857	3946	4503	1199	610	407
MEAN	15.5	12.5	10.6	7.74	7.77	9.86	28.6	127	150	38.7	19.7	13.6
AC-FT	952	744	649	476	432	607	1700	7830	8930	2380	1210	807
MAX	19	14	12	9.0	9.2	13	59	217	208	67	28	16
MIN	14	9.0	7.6	6.4	6.6	6.8	11	48	74	26	15	12

CAL YR 1986 TOTAL 11072.8 MEAN 30.3 MAX 200 MIN 7.6 AC-FT 21960  
WTR YR 1987 TOTAL 13467.4 MEAN 36.9 MAX 217 MIN 6.4 AC-FT 26710

MAX DISCH 235 CFS AT 2130 18-MAY-1987 GH 2.72 FT. SHIFT -0.12 FT. MAX GH 2.72 FT. AT 2130 18-MAY-1987



RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO (1988)

**LOCATION.**--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

**DRAINAGE AREA.**--45 mi<sup>2</sup>.

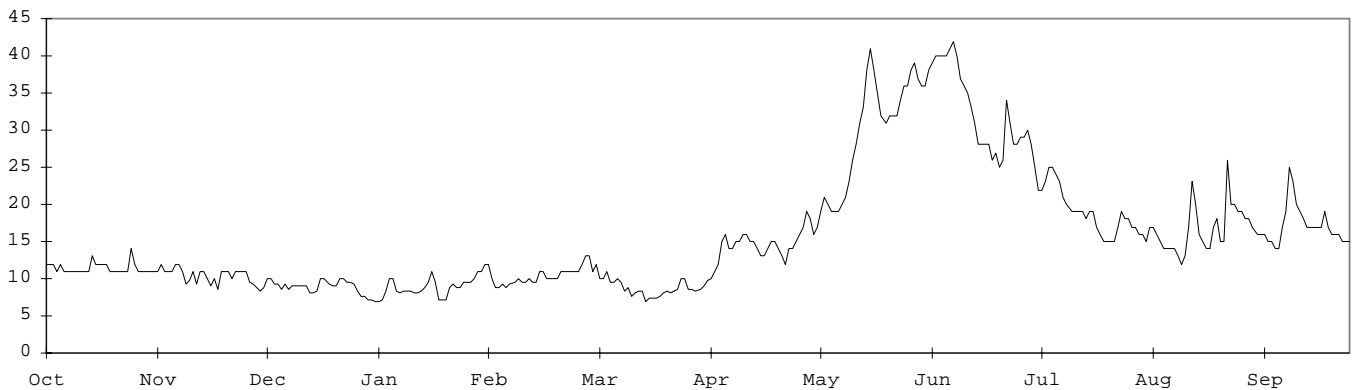
**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,520 ft, from topographic map.

**RATING TABLE.**--TRITURCO12 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	11	8.8	6.8	12	13	8.6	19	37	29	17	18
2	12	12	10	6.8	12	11	9.0	18	36	30	16	18
3	12	11	10	7.2	10	12	9.8	16	36	28	16	17
4	11	11	9.4	8.4	8.8	10	10	17	38	25	15	16
5	12	11	9.4	10	8.8	10	11	19	39	22	17	16
6	11	12	8.6	10	9.2	11	12	21	40	22	17	16
7	11	12	9.4	8.4	8.8	9.6	15	20	40	23	16	15
8	11	11	8.6	8.0	9.2	9.6	16	19	40	25	15	15
9	11	9.4	9.0	8.4	9.6	10	14	19	40	25	14	14
10	11	9.8	9.0	8.4	10	9.6	14	19	41	24	14	14
11	11	11	9.0	8.4	9.6	8.4	15	20	42	23	14	17
12	11	9.4	9.0	8.0	9.6	8.8	15	21	40	21	14	19
13	11	11	9.0	8.0	10	7.6	16	23	37	20	13	25
14	13	11	8.0	8.4	9.6	8.0	16	26	36	19	12	23
15	12	10	8.0	8.8	9.6	8.4	15	28	35	19	13	20
16	12	9.0	8.4	9.6	11	8.4	15	31	33	19	17	19
17	12	10	10	11	11	7.0	14	33	31	19	23	18
18	12	8.6	10	9.6	10	7.4	13	38	28	18	20	17
19	11	11	9.4	7.2	10	7.4	13	41	28	19	16	17
20	11	11	9.0	7.2	10	7.4	14	38	28	19	15	17
21	11	11	9.0	7.2	10	7.7	15	35	28	17	14	17
22	11	10	10	8.8	11	8.0	15	32	26	16	14	17
23	11	11	10	9.2	11	8.3	14	31	27	15	17	19
24	11	11	9.6	8.8	11	8.0	13	32	25	15	18	17
25	14	11	9.6	8.8	11	8.3	12	32	26	15	15	16
26	12	11	9.2	9.6	11	8.6	14	32	34	15	15	16
27	11	9.6	8.4	9.6	11	10	14	34	31	17	26	16
28	11	9.2	7.6	9.6	12	10	15	36	28	19	20	15
29	11	8.8	7.6	10	13	8.6	16	36	28	18	20	15
30	11	8.4	7.2	11	---	8.6	17	38	29	18	19	15
31	11	---	7.2	11	---	8.3	---	39	---	17	19	---
TOTAL	355	313.2	277.4	272.2	299.8	279.0	410.4	863	1007	631	511	514
MEAN	11.5	10.4	8.95	8.78	10.3	9.00	13.7	27.8	33.6	20.4	16.5	17.1
AC-FT	704	621	550	540	595	553	814	1710	2000	1250	1010	1020
MAX	14	12	10	11	13	13	17	41	42	30	26	25
MIN	11	8.4	7.2	6.8	8.8	7.0	8.6	16	25	15	12	14
CAL YR 1987 TOTAL	13230.8		MEAN	36.2	MAX	217	MIN	6.4	AC-FT	26240		
WTR YR 1988 TOTAL	5733.0		MEAN	15.7	MAX	42	MIN	6.8	AC-FT	11370		

MAX DISCH 53 CFS AT 2100 06-JUN-1988 GH 1.79 FT. SHIFT -0.08 FT. MAX GH 1.79 FT. AT 2100 06-JUN-1988



RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO (1989)

**LOCATION.**--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

**DRAINAGE AREA.**--45 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,520 ft, from topographic map.

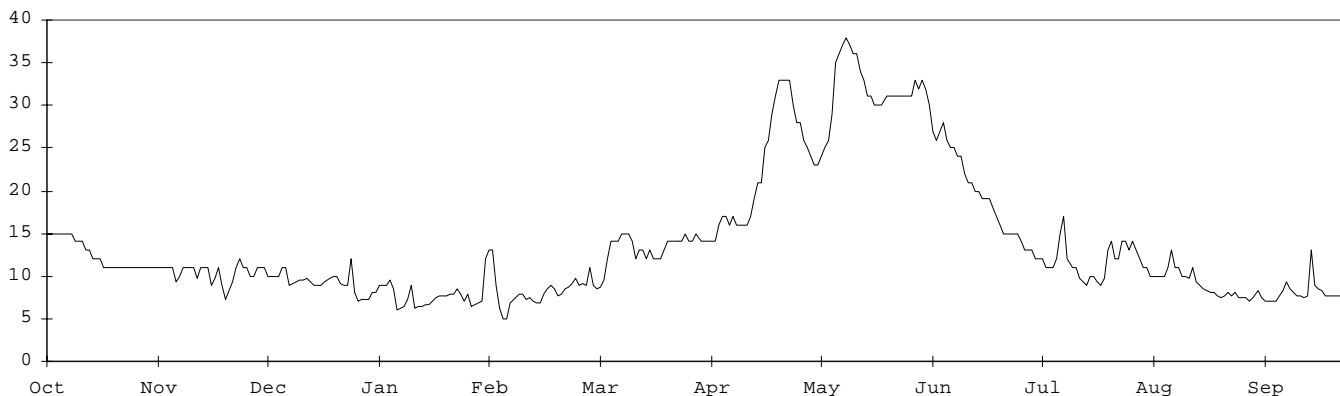
**RATING TABLE.**--TRITURCO12 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	11	11	8.0	12	9.0	15	26	33	14	14	7.4
2	15	11	10	9.0	13	11	14	25	32	13	13	7.4
3	15	11	10	9.0	13	9.0	14	24	33	13	12	7.1
4	15	11	10	9.0	9.0	8.4	14	23	32	13	11	7.4
5	15	11	10	9.6	6.2	8.8	14	23	30	12	11	8.3
6	15	9.4	11	8.6	4.9	9.6	14	24	27	12	10	7.4
7	15	10	11	6.0	5.0	12	16	25	26	12	10	7.1
8	15	11	9.0	6.2	6.8	14	17	26	27	11	10	7.1
9	14	11	9.2	6.4	7.4	14	17	29	28	11	10	7.1
10	14	11	9.4	7.2	7.8	14	16	35	26	11	10	7.1
11	14	11	9.6	9.0	7.8	15	17	36	25	12	11	7.7
12	13	9.8	9.6	6.2	7.2	15	16	37	25	15	13	8.3
13	13	11	9.8	6.4	7.4	15	16	38	24	17	11	9.4
14	12	11	9.4	6.4	7.0	14	16	37	24	12	11	8.6
15	12	11	9.0	6.6	6.8	12	16	36	22	11	10	8.0
16	12	9.0	9.0	6.6	6.8	13	17	36	21	11	10	7.7
17	11	9.8	9.0	7.0	7.8	13	19	34	21	9.8	9.8	7.7
18	11	11	9.4	7.4	8.6	12	21	33	20	9.4	11	7.4
19	11	9.0	9.8	7.6	9.0	13	21	31	20	9.0	9.4	7.7
20	11	7.2	10	7.6	8.6	12	25	31	19	10	9.0	13
21	11	8.3	10	7.6	7.6	12	26	30	19	10	8.6	9.0
22	11	9.4	9.2	7.8	7.8	12	29	30	19	9.4	8.3	8.6
23	11	11	9.0	7.8	8.4	13	31	30	18	9.0	8.0	8.3
24	11	12	9.0	8.4	8.8	14	33	31	17	9.8	8.0	7.7
25	11	11	12	7.8	9.2	14	33	31	16	13	7.7	7.7
26	11	11	8.0	7.0	9.8	14	33	31	15	14	7.4	7.7
27	11	10	7.0	7.8	9.0	14	33	31	15	12	7.7	7.7
28	11	10	7.2	6.4	9.2	14	30	31	15	12	8.0	7.7
29	11	11	7.2	6.6	---	15	28	31	15	14	7.7	7.7
30	11	11	7.2	6.8	---	14	28	31	15	14	8.0	7.7
31	11	---	8.0	7.0	---	14	---	31	---	13	7.4	---
TOTAL	389	311.9	289.0	230.8	231.9	393.8	639	947	679	368.4	303.0	238.7
MEAN	12.5	10.4	9.32	7.45	8.28	12.7	21.3	30.5	22.6	11.9	9.77	7.96
AC-FT	772	619	573	458	460	781	1270	1880	1350	731	601	473
MAX	15	12	12	9.6	13	15	33	38	33	17	14	13
MIN	11	7.2	7.0	6.0	4.9	8.4	14	23	15	9.0	7.4	7.1

CAL YR 1988 TOTAL 5777.3 MEAN 15.8 MAX 42 MIN 6.8 AC-FT 11460  
WTR YR 1989 TOTAL 5021.5 MEAN 13.8 MAX 38 MIN 4.9 AC-FT 9960

MAX DISCH 39 CFS AT 1815 14-MAY-1989 GH 1.64 FT. SHIFT -0.05 FT. MAX GH 1.64 FT. AT 1815 14-MAY-1989



## RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO (1990)

**LOCATION.**--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

**DRAINAGE AREA.**--45 mi<sup>2</sup>.

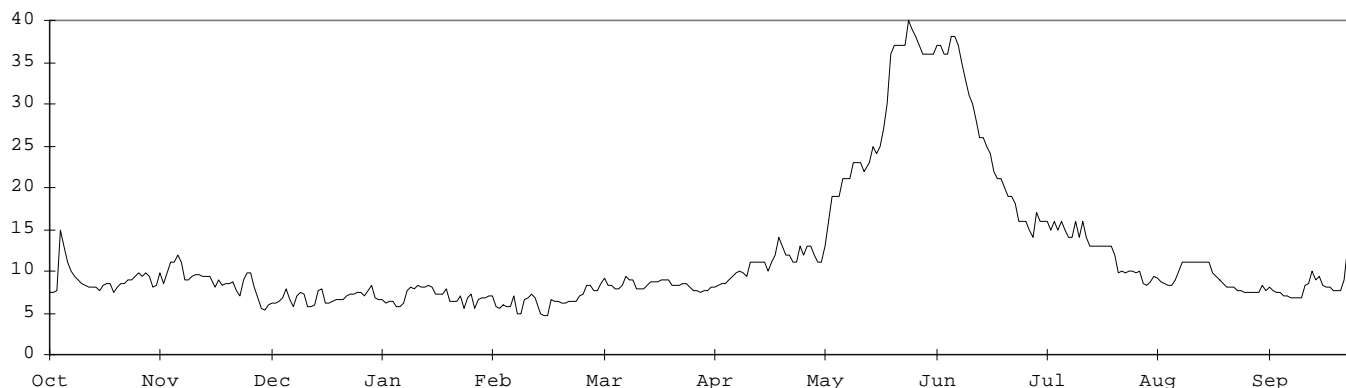
**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,520 ft, from topographic map.

**RATING TABLE.**--TRITURCO12 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	9.8	6.0	6.6	7.0	8.4	7.4	13	37	16	9.8	7.4
2	7.4	8.6	6.2	6.6	7.0	7.6	7.7	13	36	15	10	7.4
3	7.7	9.8	6.2	6.2	5.8	7.6	7.7	12	36	14	8.6	7.4
4	15	11	6.4	6.4	5.6	8.6	8.0	11	36	17	8.4	7.4
5	13	11	6.8	6.4	6.0	9.2	8.0	11	36	16	8.8	8.3
6	11	12	7.8	5.8	5.8	8.4	8.3	13	37	16	9.4	7.7
7	10	11	6.6	5.8	5.8	8.4	8.6	16	37	16	9.2	8.0
8	9.4	9.0	5.8	6.2	7.0	7.8	8.6	19	36	15	8.8	7.7
9	9.0	9.0	7.0	7.6	5.0	7.8	9.0	19	36	16	8.6	7.4
10	8.6	9.4	7.4	8.0	5.0	8.2	9.4	19	38	15	8.3	7.4
11	8.3	9.6	7.2	7.8	6.6	9.4	9.8	21	38	16	8.4	7.1
12	8.0	9.6	5.8	8.2	6.8	9.0	10	21	37	15	9.0	7.1
13	8.0	9.4	5.8	8.0	7.2	9.0	9.8	21	35	14	10	6.8
14	8.0	9.4	6.0	8.0	6.8	7.8	9.4	23	33	14	11	6.8
15	7.7	9.4	7.6	8.4	5.0	7.8	11	23	31	16	11	6.8
16	8.3	8.0	7.8	8.0	4.7	7.8	11	23	30	14	11	6.8
17	8.6	9.0	6.2	7.2	4.7	8.2	11	22	28	16	11	8.3
18	8.6	8.3	6.2	7.2	6.6	8.8	11	23	26	14	11	8.6
19	7.4	8.6	6.4	7.2	6.4	8.8	11	25	26	13	11	10
20	8.0	8.6	6.6	7.8	6.4	8.8	10	24	25	13	11	9.0
21	8.6	8.8	6.6	6.4	6.2	9.0	11	25	24	13	11	9.4
22	8.6	7.6	6.6	6.4	6.2	9.0	12	27	22	13	9.8	8.3
23	9.0	7.1	7.0	6.4	6.4	9.0	14	30	21	13	9.4	8.0
24	9.0	9.0	7.2	7.0	6.4	8.3	13	36	21	13	9.0	8.0
25	9.4	9.8	7.2	5.6	6.4	8.3	12	37	20	13	8.6	7.7
26	9.8	9.8	7.4	6.8	7.0	8.3	12	37	19	12	8.0	7.7
27	9.4	8.0	7.4	7.2	7.2	8.6	11	37	19	9.8	8.0	7.7
28	9.8	6.8	7.0	5.6	8.4	8.6	11	37	18	10	8.0	9.0
29	9.4	5.5	7.6	6.6	---	8.0	13	40	16	9.8	7.7	13
30	8.0	5.4	8.2	6.8	---	7.7	12	39	16	10	7.7	10
31	8.3	---	6.8	6.8	---	7.7	---	38	---	10	7.4	---
TOTAL	278.7	268.3	210.8	215.0	175.4	259.9	307.7	755	870	427.6	288.9	242.2
MEAN	8.99	8.94	6.80	6.94	6.26	8.38	10.3	24.4	29.0	13.8	9.32	8.07
AC-FT	553	532	418	426	348	516	610	1500	1730	848	573	480
MAX	15	12	8.2	8.4	8.4	9.4	14	40	38	17	11	13
MIN	7.4	5.4	5.8	5.6	4.7	7.6	7.4	11	16	9.8	7.4	6.8
CAL YR 1989 TOTAL		4789.4	MEAN	13.1	MAX	38	MIN	4.9	AC-FT	9500		
WTR YR 1990 TOTAL		4299.5	MEAN	11.8	MAX	40	MIN	4.7	AC-FT	8530		

MAX DISCH 41 CFS AT 0015 30-MAY-1990 GH 1.62 FT. SHIFT -0.01 FT. MAX GH 1.62 FT. AT 0015 30-MAY-1990



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1980)

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder.

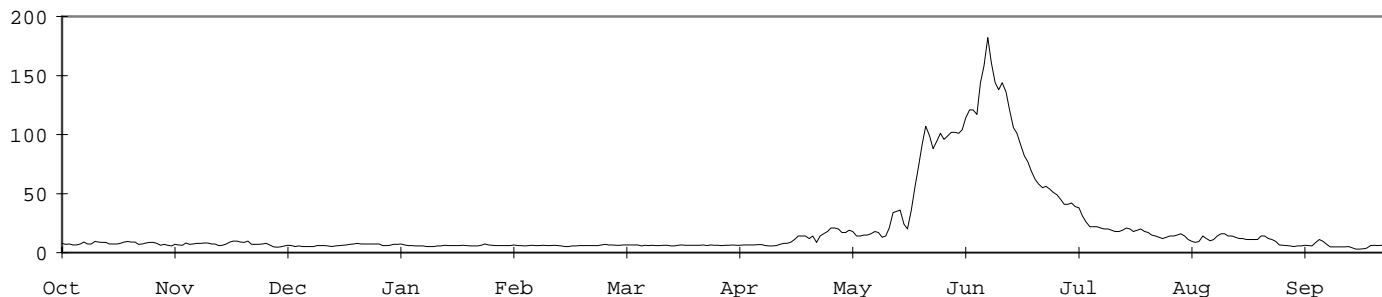
RATING TABLE.--TRIMTNC06 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	7.0	5.6	7.0	6.0	6.3	6.3	20	102	45	14	6.0
2	7.0	6.6	6.3	7.4	6.6	6.3	6.6	17	102	41	15	5.6
3	7.4	6.3	6.0	6.6	6.0	6.6	6.3	17	101	41	16	5.2
4	6.6	8.2	5.2	6.0	6.0	6.6	6.3	19	104	42	14	5.6
5	6.6	7.0	5.6	6.0	5.6	6.6	6.6	18	114	39	11	5.6
6	7.4	7.4	5.2	5.6	6.0	6.6	6.6	14	121	38	9.4	6.3
7	9.0	7.8	5.2	5.6	6.3	6.6	6.5	14	121	31	8.6	6.0
8	7.2	7.8	5.2	5.6	6.0	5.6	6.5	15	117	26	9.4	5.6
9	7.4	8.2	5.2	5.2	6.0	6.3	6.7	15	144	22	14	8.6
10	9.4	8.2	6.0	5.2	6.3	6.0	6.8	16	158	22	12	11
11	9.0	7.4	6.0	5.2	6.0	6.3	6.0	18	182	22	10	9.4
12	8.6	7.4	6.0	5.6	6.0	6.0	5.6	17	161	21	11	7.0
13	8.6	6.0	5.6	5.6	6.3	6.0	5.8	13	144	20	14	4.9
14	7.4	6.3	5.2	6.3	6.0	6.3	6.0	14	138	20	16	4.9
15	7.4	7.4	5.6	6.0	5.6	6.3	7.0	21	144	19	16	4.9
16	7.4	9.0	6.0	6.0	5.2	5.6	7.8	34	136	18	14	4.9
17	7.8	9.8	6.2	6.0	5.2	5.6	7.8	35	121	18	14	4.9
18	9.0	9.8	6.5	6.0	5.6	6.3	9.0	36	106	19	13	5.2
19	9.4	9.0	7.0	6.3	5.6	6.6	11	24	101	21	12	4.2
20	9.0	8.6	7.3	6.0	6.0	6.3	14	20	92	20	12	3.0
21	9.0	9.8	7.8	5.6	6.0	6.3	14	36	82	18	11	3.0
22	7.0	7.0	7.4	5.6	6.0	6.3	14	55	77	19	11	3.2
23	7.4	7.0	7.4	5.6	6.0	6.3	12	72	69	20	11	3.8
24	8.2	7.0	7.4	6.3	6.0	6.3	14	92	62	18	11	6.0
25	8.6	7.4	7.4	7.4	6.0	6.6	8.6	107	58	17	14	6.3
26	8.6	7.8	7.4	6.6	6.6	6.0	14	99	55	15	14	6.0
27	7.8	6.6	7.4	6.3	7.0	6.6	16	88	56	14	12	6.3
28	6.3	4.9	6.0	6.0	6.6	6.3	18	94	54	13	11	6.3
29	7.0	4.6	6.0	6.0	6.6	6.3	21	101	51	12	9.4	7.0
30	6.3	4.9	6.3	6.0	---	6.0	21	96	49	13	6.6	8.2
31	5.6	---	7.0	6.0	---	6.3	---	99	---	14	6.3	---
TOTAL	241.2	222.2	194.4	186.6	175.1	194.1	297.8	1336	3122	718	372.7	174.9
MEAN	7.78	7.41	6.27	6.02	6.04	6.26	9.93	43.1	104	23.2	12.0	5.83
AC-FT	478	441	386	370	347	385	591	2650	6190	1420	739	347
MAX	9.4	9.8	7.8	7.4	7.0	6.6	21	107	182	45	16	11
MIN	5.6	4.6	5.2	5.2	5.2	5.6	5.6	13	49	12	6.3	3.0

CAL YR 1979 TOTAL 9171.1 MEAN 25.1 MAX 171 MIN 2.5 AC-FT 18190  
WTR YR 1980 TOTAL 7235.0 MEAN 19.8 MAX 182 MIN 3.0 AC-FT 14350

MAX DISCH 194 CFS AT 0700 12-JUN-1980 GH 2.19 FT. SHIFT -0.09 FT. MAX GH 2.19 FT. AT 0700 12-JUN-1980



## RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1981)

**LOCATION.**--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

**DRAINAGE AREA.**--57 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder.

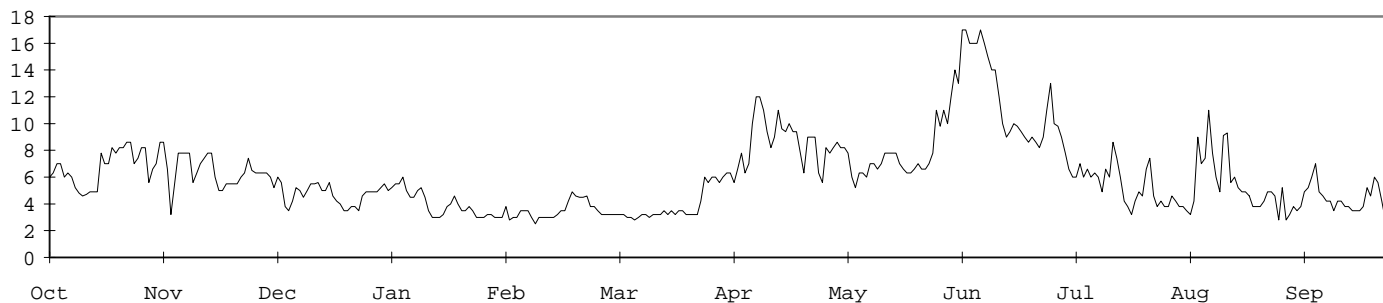
**RATING TABLE.**--TRIMTNC006 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	8.6	5.2	5.0	3.0	3.2	5.6	7.8	11	10	3.8	5.2
2	6.3	6.6	6.0	5.2	3.8	3.2	6.0	8.2	10	9.8	4.6	2.8
3	7.0	3.2	5.6	5.5	2.8	3.2	6.3	8.6	12	9.0	4.2	3.2
4	7.0	5.6	3.8	5.5	3.0	3.2	6.3	8.2	14	7.8	3.8	3.8
5	6.0	7.8	3.5	6.0	3.0	3.2	5.6	8.2	13	6.6	3.8	3.5
6	6.3	7.8	4.2	5.0	3.5	3.2	6.6	7.8	17	6.0	3.5	3.8
7	6.0	7.8	5.2	4.5	3.5	3.0	7.8	6.0	17	6.0	3.2	4.9
8	5.2	7.8	5.0	4.5	3.5	3.0	6.3	5.2	16	7.0	4.2	5.2
9	4.8	5.6	4.5	5.0	3.0	2.8	7.0	6.3	16	6.0	9.0	6.0
10	4.6	6.3	5.0	5.2	2.5	3.0	10	6.3	16	6.6	7.0	7.0
11	4.7	7.0	5.5	4.5	3.0	3.2	12	6.0	17	6.0	7.4	4.9
12	4.9	7.4	5.5	3.5	3.0	3.2	12	7.0	16	6.3	11	4.6
13	4.9	7.8	5.6	3.0	3.0	3.0	11	7.0	15	6.0	7.8	4.2
14	4.9	7.8	5.0	3.0	3.0	3.2	9.4	6.6	14	4.9	6.0	4.2
15	7.8	6.0	5.0	3.0	3.0	3.2	8.2	7.0	14	6.6	4.9	3.5
16	7.0	5.0	5.6	3.2	3.2	3.2	9.0	7.8	12	6.0	9.1	4.2
17	7.0	5.0	4.6	3.8	3.5	3.5	11	7.8	10	8.6	9.3	4.2
18	8.2	5.5	4.2	4.0	3.5	3.2	9.6	7.8	9.0	7.4	5.6	3.8
19	7.8	5.5	4.0	4.6	4.2	3.5	9.4	7.8	9.4	6.0	6.0	3.8
20	8.2	5.5	3.5	4.0	4.9	3.2	10	7.0	10	4.2	5.2	3.5
21	8.2	5.5	3.5	3.5	4.6	3.5	9.4	6.6	9.8	3.8	4.9	3.5
22	8.6	6.0	3.8	3.5	4.5	3.5	9.4	6.3	9.4	3.2	4.9	3.5
23	8.6	6.3	3.8	3.8	4.5	3.2	7.8	6.3	9.0	4.2	4.6	3.8
24	7.0	7.4	3.5	3.5	4.6	3.2	6.3	6.6	8.6	4.9	3.8	5.2
25	7.4	6.5	4.6	3.0	3.8	3.2	9.0	7.0	9.0	4.6	3.8	4.6
26	8.2	6.3	4.9	3.0	3.8	3.2	9.0	6.6	8.6	6.6	3.8	6.0
27	8.2	6.3	4.9	3.0	3.5	4.2	9.0	6.6	8.2	7.4	4.2	5.6
28	5.6	6.3	4.9	3.2	3.2	6.0	6.3	7.0	9.0	4.6	4.9	4.2
29	6.6	6.3	4.9	3.2	---	5.6	5.6	7.8	11	3.8	4.9	2.8
30	7.0	6.0	5.2	3.0	---	6.0	8.2	11	13	4.2	4.6	4.2
31	8.6	---	5.5	3.0	---	6.0	---	9.8	---	3.8	2.8	---
TOTAL	208.6	192.5	146.0	123.7	98.4	111.0	249.1	226.0	364.0	187.9	166.6	129.7
MEAN	6.73	6.42	4.71	3.99	3.51	3.58	8.30	7.29	12.1	6.06	5.37	4.32
AC-FT	414	382	290	245	195	220	494	448	722	373	330	257
MAX	8.6	8.6	6.0	6.0	4.9	6.0	12	11	17	10	11	7.0
MIN	4.6	3.2	3.5	3.0	2.5	2.8	5.6	5.2	8.2	3.2	2.8	2.8

CAL YR 1980 TOTAL 7124.3 MEAN 19.5 MAX 182 MIN 3.0 AC-FT 14130  
WTR YR 1981 TOTAL 2203.5 MEAN 6.04 MAX 17 MIN 2.5 AC-FT 4370

MAX DISCH 37 CFS AT 2000 16-AUG-1981 GH 1.06 FT. SHIFT 0.04 FT. MAX GH 1.07 FT. AT 0730 06-FEB-1981



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1982)

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder.

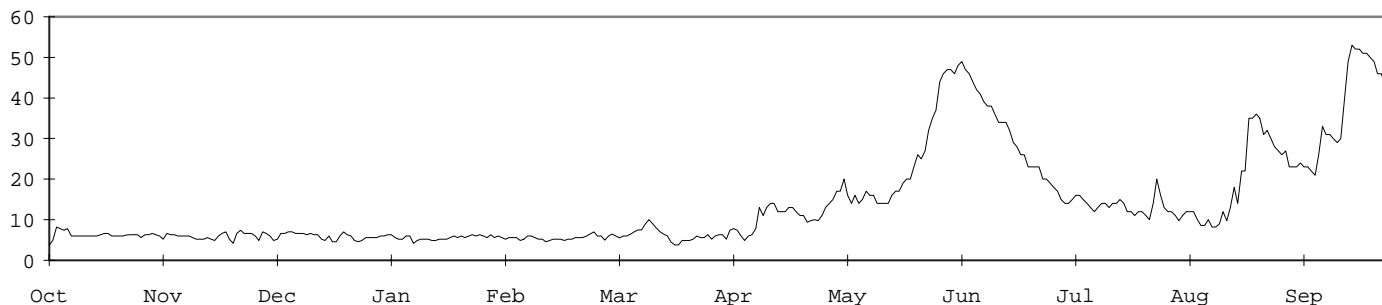
RATING TABLE.--TRIMTNCO06 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	5.2	4.9	6.3	5.6	5.0	6.3	14	46	18	12	26
2	4.9	6.6	5.2	6.3	5.2	6.0	6.3	15	47	17	12	27
3	8.2	6.3	6.6	5.6	5.6	6.5	5.2	17	47	15	11	23
4	7.8	6.3	6.6	5.2	5.6	6.0	7.4	17	46	14	9.8	23
5	7.4	6.0	7.0	5.2	5.6	5.5	7.8	20	48	14	11	23
6	7.8	6.0	7.0	6.0	4.9	6.0	7.4	16	49	15	12	24
7	6.0	6.0	6.6	6.0	5.2	6.0	6.0	14	47	16	12	23
8	6.0	6.0	6.6	4.2	6.0	6.5	4.9	16	46	16	12	23
9	6.0	5.6	6.6	4.9	6.0	7.0	6.0	14	44	15	10	22
10	6.0	5.2	6.3	5.2	5.6	7.5	6.3	15	42	14	8.6	21
11	6.0	5.2	6.6	5.2	5.2	7.5	7.8	17	41	13	8.6	26
12	6.0	5.2	6.3	5.2	5.2	9.0	13	16	39	12	10	33
13	6.0	5.6	6.3	4.9	4.6	10	11	16	38	13	8.2	31
14	6.0	5.2	5.2	4.9	4.9	9.0	13	14	38	14	8.2	31
15	6.3	4.9	4.9	5.2	5.2	8.0	14	14	36	14	9.0	30
16	6.6	6.0	6.0	5.2	5.2	7.0	14	14	34	13	12	29
17	6.6	6.6	4.6	5.2	5.2	6.5	12	14	34	14	9.8	30
18	6.0	7.0	4.6	5.6	4.9	6.0	12	16	34	14	13	40
19	6.0	5.2	6.0	6.0	5.2	4.5	12	17	32	15	18	49
20	6.0	4.2	7.0	5.6	5.2	3.8	13	17	29	14	14	53
21	6.0	6.6	6.3	6.0	5.6	3.8	13	19	28	12	22	52
22	6.2	7.4	6.0	5.6	5.6	4.9	12	20	26	12	22	52
23	6.3	6.6	4.9	6.0	5.6	4.9	11	20	26	11	35	51
24	6.3	6.6	4.6	6.3	6.0	4.9	11	23	23	12	35	51
25	6.3	6.6	4.9	6.0	6.5	5.2	9.4	26	23	12	36	50
26	5.6	6.0	5.6	6.3	7.0	6.0	9.8	25	23	11	35	49
27	6.3	4.9	5.6	6.0	6.0	5.6	10	27	23	10	31	46
28	6.3	7.0	5.6	5.6	6.0	5.6	9.8	32	20	14	32	46
29	6.6	6.6	5.6	6.3	---	6.3	11	35	20	20	30	43
30	6.3	6.0	6.0	5.6	---	5.2	13	37	19	16	28	41
31	6.0	---	6.0	6.0	---	6.0	---	44	---	13	27	---
TOTAL	193.6	178.6	182.0	173.6	154.4	191.7	295.4	621	1048	433	554.2	1068
MEAN	6.25	5.95	5.87	5.60	5.51	6.18	9.85	20.0	34.9	14.0	17.9	35.6
AC-FT	384	354	361	344	306	380	586	1230	2080	859	1100	2120
MAX	8.2	7.4	7.0	6.3	7.0	10	14	44	49	20	36	53
MIN	3.8	4.2	4.6	4.2	4.6	3.8	4.9	14	19	10	8.2	21

CAL YR 1981 TOTAL 2210.6 MEAN 6.06 MAX 17 MIN 2.5 AC-FT 4380  
WTR YR 1982 TOTAL 5093.5 MEAN 14.0 MAX 53 MIN 3.8 AC-FT 10100

MAX DISCH 102 CFS AT 2030 18-SEP-1982 GH 1.45 FT. SHIFT 0.19 FT. MAX GH 1.45 FT. AT 2030 18-SEP-1982



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1983)

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder.

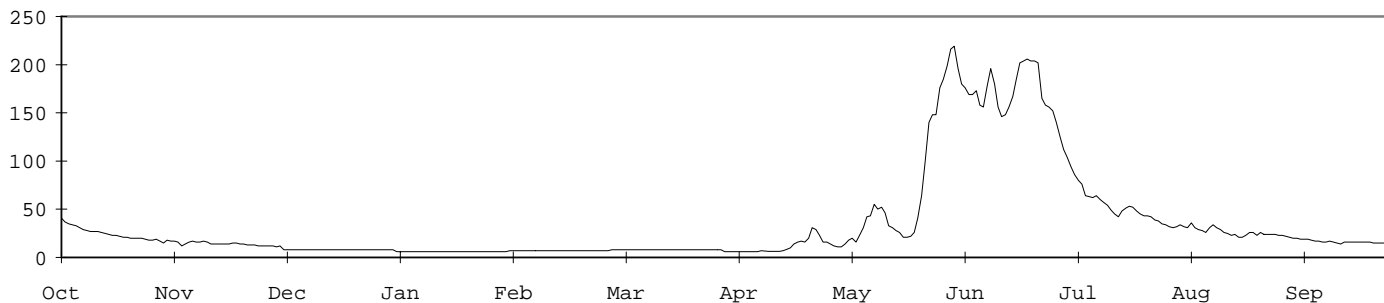
RATING TABLE.--TRIMTNC006 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	17	8.0	6.0	7.0	8.0	6.0	12	199	140	32	23
2	37	16	8.0	6.0	7.0	8.0	6.0	11	216	125	31	22
3	35	12	8.0	6.0	7.0	8.0	6.0	11	219	112	32	21
4	34	14	8.0	6.0	7.0	8.0	6.0	14	196	104	34	20
5	33	16	8.0	6.0	7.0	8.0	6.0	18	180	94	32	20
6	31	17	8.0	6.0	7.0	8.0	6.0	20	176	86	31	19
7	29	16	8.0	6.0	7.0	8.0	6.0	16	169	80	36	19
8	28	16	8.0	6.0	7.0	8.0	6.0	23	169	76	31	19
9	27	17	8.0	6.0	7.0	8.0	6.0	31	173	64	29	18
10	27	16	8.0	6.0	7.0	8.0	6.0	42	158	63	28	17
11	27	14	8.0	6.0	7.0	8.0	7.0	43	156	62	26	17
12	26	14	8.0	6.0	7.0	8.0	6.6	55	178	64	31	16
13	25	14	8.0	6.0	7.0	8.0	6.3	50	196	60	34	16
14	24	14	8.0	6.0	7.0	8.0	6.3	52	180	57	31	17
15	23	14	8.0	6.0	7.0	8.0	6.3	46	156	54	29	16
16	23	14	8.0	6.0	7.0	8.0	6.3	33	146	49	26	15
17	22	15	8.0	6.0	7.0	8.0	7.0	31	148	45	25	14
18	21	15	8.0	6.0	7.0	8.0	8.2	28	156	42	23	16
19	21	14	8.0	6.0	7.0	8.0	9.8	26	167	48	24	16
20	20	14	8.0	6.0	7.0	8.0	14	21	185	51	21	16
21	20	13	8.0	6.0	7.0	8.0	16	21	202	53	21	16
22	20	13	8.0	6.0	7.0	8.0	17	22	204	52	23	16
23	20	13	8.0	6.0	7.0	8.0	16	26	206	48	26	16
24	19	12	8.0	6.0	7.0	8.0	20	41	204	45	26	16
25	18	12	8.0	6.0	7.0	8.0	31	64	204	43	23	16
26	18	12	8.0	6.0	7.0	8.0	29	99	202	43	26	15
27	19	12	8.0	6.0	7.0	8.0	23	140	165	42	24	15
28	17	12	8.0	6.0	7.0	8.0	16	148	158	39	24	15
29	15	11	8.0	6.0	---	8.0	16	148	156	38	24	15
30	18	12	8.0	6.0	---	8.0	14	176	152	35	24	16
31	17	---	8.0	6.0	---	8.0	---	185	---	34	23	---
TOTAL	755	421	248.0	186.0	196.0	248.0	335.8	1653	5376	1948	850	513
MEAN	24.4	14.0	8.00	6.00	7.00	8.00	11.2	53.3	179	62.8	27.4	17.1
AC-FT	1500	835	492	369	389	492	666	3280	10660	3860	1690	1020
MAX	41	17	8.0	6.0	7.0	8.0	31	185	219	140	36	23
MIN	15	11	8.0	6.0	7.0	8.0	6.0	11	146	34	21	14

CAL YR 1982 TOTAL 5963.3 MEAN 16.3 MAX 53 MIN 3.8 AC-FT 11830  
WTR YR 1983 TOTAL 12729.8 MEAN 34.9 MAX 219 MIN 6.0 AC-FT 25250

MAX DISCH 250 CFS AT 2100 25-JUN-1983 GH 3.01 FT. SHIFT -0.69 FT. MAX GH 3.01 FT. AT 2100 25-JUN-1983



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1984)

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder.

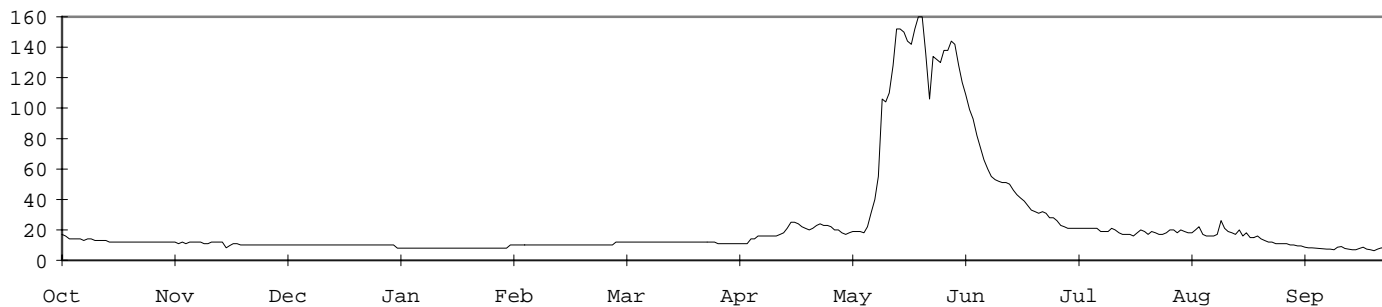
RATING TABLE.--TRIMTNC06 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	12	10	8.0	10	12	11	20	144	23	20	11
2	16	11	10	8.0	10	12	11	18	142	22	18	10
3	14	12	10	8.0	10	12	11	17	128	21	20	10
4	14	11	10	8.0	10	12	11	18	117	21	19	9.4
5	14	12	10	8.0	10	12	11	19	109	21	18	9.4
6	14	12	10	8.0	10	12	11	19	99	21	18	8.6
7	13	12	10	8.0	10	12	14	19	93	21	20	8.2
8	14	12	10	8.0	10	12	14	18	82	21	22	8.2
9	14	11	10	8.0	10	12	16	22	74	21	17	8.0
10	13	11	10	8.0	10	12	16	31	66	21	16	7.8
11	13	12	10	8.0	10	12	16	40	60	21	16	7.6
12	13	12	10	8.0	10	12	16	55	55	19	16	7.4
13	13	12	10	8.0	10	12	16	106	53	19	17	7.4
14	12	12	10	8.0	10	12	16	104	52	19	26	7.0
15	12	8.2	10	8.0	10	12	17	110	51	21	21	8.6
16	12	9.6	10	8.0	10	12	18	128	51	20	19	9.0
17	12	11	10	8.0	10	12	21	152	50	18	18	7.8
18	12	11	10	8.0	10	12	25	152	46	17	17	7.4
19	12	10	10	8.0	10	12	25	150	43	17	20	7.0
20	12	10	10	8.0	10	12	24	144	41	17	16	7.0
21	12	10	10	8.0	10	12	22	142	39	16	18	7.8
22	12	10	10	8.0	10	12	21	152	36	18	15	8.6
23	12	10	10	8.0	10	12	20	160	33	20	15	7.4
24	12	10	10	8.0	10	12	21	160	32	19	16	7.0
25	12	10	10	8.0	10	12	23	136	31	17	14	6.3
26	12	10	10	8.0	10	12	24	106	32	19	13	7.4
27	12	10	10	8.0	10	12	23	134	31	18	12	8.2
28	12	10	10	8.0	10	12	23	132	28	17	12	7.4
29	12	10	10	8.0	10	11	22	130	28	17	11	8.2
30	12	10	10	8.0	---	11	20	138	26	18	11	7.8
31	12	---	10	8.0	---	11	---	138	---	20	11	---
TOTAL	398	323.8	310	248.0	290	369	539	2870	1872	600	522	242.9
MEAN	12.8	10.8	10.0	8.00	10.0	11.9	18.0	92.6	62.4	19.4	16.8	8.10
AC-FT	789	642	615	492	575	732	1070	5690	3710	1190	1040	482
MAX	17	12	10	8.0	10	12	25	160	144	23	26	11
MIN	12	8.2	10	8.0	10	11	11	17	26	16	11	6.3

CAL YR 1983 TOTAL 12337.6 MEAN 33.8 MAX 219 MIN 6.0 AC-FT 24470  
WTR YR 1984 TOTAL 8584.7 MEAN 23.5 MAX 160 MIN 6.3 AC-FT 17030

MAX DISCH 183 CFS AT 0630 23-MAY-1984 GH 2.61 FT. SHIFT -0.56 FT. MAX GH 2.61 FT. AT 0630 23-MAY-1984



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1985)

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder.

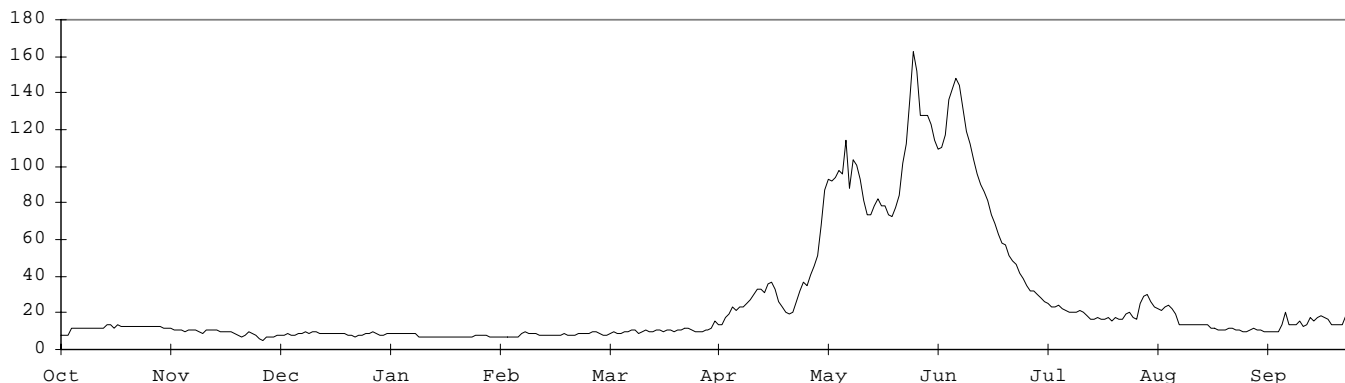
RATING TABLE.--TRIMTNC006 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	12	7.6	8.4	7.2	9.4	11	41	128	35	16	10
2	8.2	11	7.6	8.4	7.2	8.6	11	45	128	32	25	11
3	8.2	11	8.2	8.4	7.2	7.8	12	51	128	32	29	12
4	12	11	9.0	8.4	7.2	8.0	15	68	123	30	30	11
5	12	10	7.8	8.4	7.2	8.6	14	87	114	28	26	11
6	12	11	7.8	9.0	7.2	9.8	14	93	109	26	23	10
7	12	11	9.0	9.0	7.2	9.0	17	92	110	25	22	10
8	12	11	9.0	9.0	9.0	9.0	19	94	117	23	21	9.8
9	12	10	9.4	8.6	10	9.8	23	98	136	23	23	9.4
10	12	8.6	8.6	7.2	9.0	10	21	96	142	24	24	10
11	12	11	9.4	7.2	8.6	11	23	114	148	22	22	14
12	12	11	9.4	7.2	9.0	11	23	88	144	21	19	20
13	12	11	8.6	7.2	8.2	9.0	25	104	132	20	14	14
14	14	11	8.6	7.2	8.2	9.8	27	101	119	20	14	14
15	14	9.4	8.6	7.2	7.4	11	30	93	112	20	14	14
16	12	9.8	9.0	7.0	7.8	10	33	81	104	21	14	15
17	14	10	9.0	7.0	7.8	9.8	33	74	96	20	14	13
18	13	9.4	8.6	7.0	8.2	11	31	74	90	18	14	14
19	13	9.0	9.0	7.0	7.8	11	36	78	86	16	14	17
20	13	7.8	9.0	7.0	8.6	10	37	82	81	16	14	15
21	13	7.0	7.8	7.0	8.2	11	33	78	74	17	14	17
22	13	8.2	7.4	7.0	8.2	11	26	78	69	16	12	18
23	13	9.4	7.0	7.0	7.4	10	23	74	63	16	12	17
24	13	9.0	7.8	6.6	8.6	11	20	73	58	17	11	16
25	13	8.2	7.8	6.6	8.6	11	19	77	57	15	11	14
26	13	6.0	8.6	7.4	8.6	12	20	84	51	17	11	14
27	13	4.9	9.0	8.2	9.0	12	26	102	48	16	12	14
28	13	7.0	9.8	7.8	9.4	11	32	112	46	16	12	14
29	13	6.8	9.0	7.8	7.8	10	37	136	42	19	11	18
30	12	7.0	8.2	7.2	---	10	35	142	39	20	11	15
31	12	---	8.2	7.2	---	10	---	152	---	17	10	---
TOTAL	378.2	279.5	263.8	235.6	228.0	312.6	726	2762	2894	658	519	411.2
MEAN	12.2	9.32	8.51	7.60	8.14	10.1	24.2	89.1	96.5	21.2	16.7	13.7
AC-FT	750	554	523	467	452	620	1440	5480	5740	1310	1030	816
MAX	14	12	9.8	9.0	10	12	37	152	148	35	30	20
MIN	7.8	4.9	7.0	6.6	7.2	7.8	11	41	39	15	10	9.4

CAL YR 1984 TOTAL 8474.4 MEAN 23.2 MAX 160 MIN 4.9 AC-FT 16810  
WTR YR 1985 TOTAL 9667.9 MEAN 26.5 MAX 152 MIN 4.9 AC-FT 19180

MAX DISCH 163 CFS AT 2300 30-MAY-1985 GH 1.73 FT. SHIFT 0.23 FT. MAX GH 1.81 FT. AT 1500 11-JUN-1985



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1986)

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder.

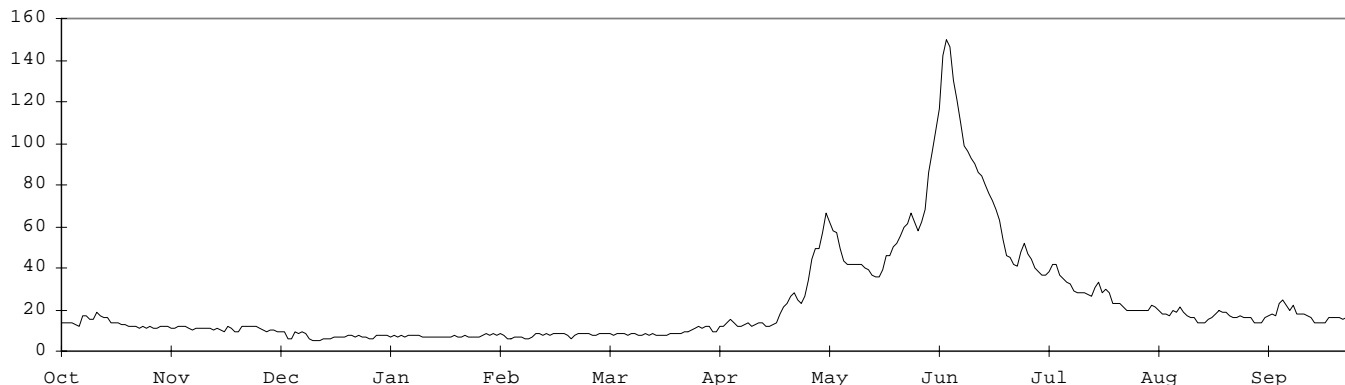
RATING TABLE.--TRIMTNC06 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	11	9.0	7.8	7.8	7.8	12	44	62	47	20	16
2	14	11	9.4	6.6	8.2	8.2	12	49	68	44	20	16
3	14	12	9.4	7.8	7.4	8.2	9.4	49	86	40	20	14
4	14	12	6.3	6.6	6.0	8.2	9.4	57	96	38	20	14
5	13	12	5.6	7.4	6.0	8.2	12	66	106	37	22	14
6	12	11	9.0	6.6	6.6	7.8	12	62	117	37	21	16
7	17	9.8	8.2	7.4	6.4	8.2	14	58	142	38	20	17
8	17	11	9.0	7.4	6.6	8.2	15	57	150	42	18	18
9	15	11	8.6	7.4	6.2	8.2	14	49	146	42	18	17
10	15	11	6.0	7.4	6.0	7.4	12	43	130	37	17	23
11	19	11	5.4	6.6	6.8	8.2	12	42	121	35	20	25
12	17	11	5.0	6.6	8.2	8.2	13	42	110	33	19	22
13	16	10	5.4	6.4	8.2	7.8	14	42	99	32	21	20
14	16	11	5.6	6.6	7.8	7.4	12	42	96	29	19	22
15	14	10	6.0	7.0	8.2	8.2	13	42	93	28	17	18
16	14	9.0	6.2	7.0	7.8	7.4	14	40	90	28	16	18
17	14	12	6.4	7.0	8.2	8.6	14	39	86	28	16	18
18	13	11	6.8	7.0	8.6	7.8	12	37	84	27	14	17
19	13	9.4	6.8	7.0	8.6	7.4	12	36	80	26	14	16
20	12	9.4	7.2	7.8	8.6	7.8	13	36	76	31	14	14
21	12	12	7.4	7.0	7.8	7.4	14	39	72	33	15	14
22	12	12	7.4	6.6	6.3	8.2	18	46	68	28	16	14
23	11	12	7.0	7.4	7.8	8.2	21	46	63	30	18	14
24	12	12	7.4	7.0	8.2	8.6	23	50	54	28	20	16
25	11	12	6.6	6.6	8.6	8.6	26	52	46	23	19	16
26	12	11	6.6	6.4	8.6	9.0	28	55	45	23	19	16
27	11	10	6.3	6.6	8.6	9.4	25	60	42	23	17	16
28	11	9.4	6.3	7.4	7.4	9.8	23	61	41	21	16	15
29	12	10	7.4	8.2	---	11	26	66	48	20	16	16
30	12	10	7.4	7.8	---	12	34	62	52	20	17	17
31	12	---	7.4	8.2	---	11	---	58	---	20	16	---
TOTAL	421	326.0	218.5	220.6	211.5	262.4	488.8	1527	2569	968	555	509
MEAN	13.6	10.9	7.05	7.12	7.55	8.46	16.3	49.3	85.6	31.2	17.9	17.0
AC-FT	835	647	433	438	420	520	970	3030	5100	1920	1100	1010
MAX	19	12	9.4	8.2	8.6	12	34	66	150	47	22	25
MIN	11	9.0	5.0	6.4	6.0	7.4	9.4	36	41	20	14	14

CAL YR 1985 TOTAL 9711.9 MEAN 26.6 MAX 152 MIN 5.0 AC-FT 19260  
WTR YR 1986 TOTAL 8276.8 MEAN 22.7 MAX 150 MIN 5.0 AC-FT 16420

MAX DISCH 158 CFS AT 0400 08-JUN-1986 GH 1.81 FT. SHIFT 0.13 FT. MAX GH 1.81 FT. AT 0400 08-JUN-1986



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1987)

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder.

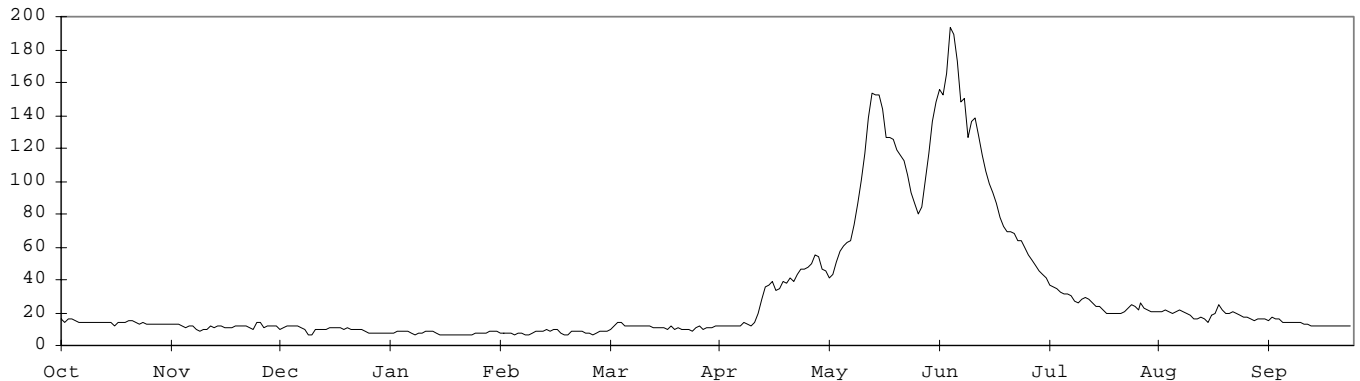
RATING TABLE.--TRIMTNC006 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	13	12	7.2	8.2	7.8	11	50	84	55	22	17
2	14	13	9.4	7.4	7.4	8.2	11	55	101	52	26	16
3	16	13	11	7.4	7.8	8.6	11	54	117	49	23	15
4	16	12	12	8.2	7.8	8.6	12	47	136	45	22	16
5	15	11	12	8.2	7.8	9.8	12	45	148	43	21	16
6	14	12	12	8.2	7.0	12	12	41	156	41	21	16
7	14	12	12	8.2	7.2	14	12	43	152	37	21	15
8	14	9.8	11	7.4	7.4	14	12	51	165	36	21	17
9	14	8.2	10	7.0	7.0	12	12	57	194	35	22	16
10	14	10	6.6	7.2	6.6	12	12	61	189	32	21	16
11	14	10	7.0	8.0	7.8	12	12	63	173	31	20	14
12	14	12	9.4	8.6	8.2	12	14	64	148	31	21	14
13	14	11	10	8.6	9.0	12	13	73	150	30	22	14
14	14	12	9.8	8.2	9.0	12	12	87	126	27	21	14
15	14	12	10	7.8	9.4	12	14	101	136	26	19	14
16	12	11	11	7.0	9.0	12	19	117	138	28	18	14
17	14	11	11	6.8	9.4	11	28	138	128	29	16	13
18	14	11	11	6.8	9.4	11	36	154	116	28	16	13
19	14	12	11	7.0	7.4	11	37	152	106	26	17	12
20	15	12	9.4	6.6	7.0	11	39	152	98	24	16	12
21	15	12	11	6.6	7.0	10	34	144	93	24	14	12
22	14	12	9.8	6.3	8.2	12	35	126	87	22	18	12
23	13	11	9.4	7.0	8.6	10	39	126	78	20	20	12
24	14	9.4	10	7.0	9.0	11	38	125	72	20	25	12
25	13	14	9.4	7.0	8.6	10	41	119	69	20	22	12
26	13	14	9.0	7.4	7.8	10	39	116	69	19	20	12
27	13	11	8.0	7.4	7.2	9.4	43	112	68	19	20	12
28	13	12	8.0	7.8	7.0	8.3	46	104	64	21	21	12
29	13	12	7.8	7.8	---	11	47	93	64	23	19	12
30	13	12	7.6	8.2	---	12	48	86	60	25	18	12
31	13	---	7.2	8.2	---	10	---	80	---	24	17	---
TOTAL	433	347.4	304.8	232.5	223.2	336.7	751	2836	3485	942	620	414
MEAN	14.0	11.6	9.83	7.50	7.97	10.9	25.0	91.5	116	30.4	20.0	13.8
AC-FT	859	689	605	461	443	668	1490	5630	6910	1870	1230	821
MAX	16	14	12	8.6	9.4	14	48	154	194	55	26	17
MIN	12	8.2	6.6	6.3	6.6	7.8	11	41	60	19	14	12

CAL YR 1986 TOTAL 8396.5 MEAN 23.0 MAX 150 MIN 6.0 AC-FT 16650  
WTR YR 1987 TOTAL 10925.6 MEAN 29.9 MAX 194 MIN 6.3 AC-FT 21670

MAX DISCH 219 CFS AT 1230 09-JUN-1987 GH 2.15 FT. SHIFT 0.05 FT. MAX GH 2.15 FT. AT 1230 09-JUN-1987



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1988)

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi<sup>2</sup>.

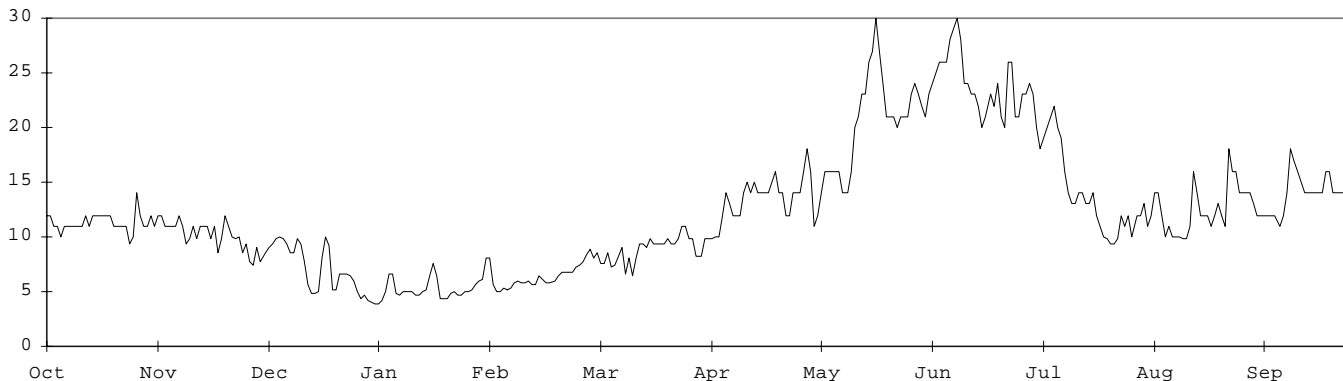
GAGE.--Graphic water-stage recorder.

RATING TABLE.--TRIMTNCO06 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	12	8.6	3.8	8.0	8.8	8.2	18	23	23	12	14
2	12	12	9.0	3.8	8.0	8.0	9.8	16	22	24	12	14
3	11	11	9.4	4.2	5.6	8.6	9.8	11	21	23	13	13
4	11	11	9.8	5.0	5.0	7.6	9.8	12	23	20	11	12
5	10	11	10	6.6	5.0	7.6	10	14	24	18	12	12
6	11	11	9.8	6.6	5.4	8.6	10	16	25	19	14	12
7	11	12	9.4	4.8	5.2	7.2	12	16	26	20	14	12
8	11	11	8.6	4.6	5.4	7.4	14	16	26	21	12	12
9	11	9.4	8.6	5.0	5.8	8.2	13	16	26	22	10	12
10	11	9.8	9.8	5.0	6.0	9.0	12	16	28	20	11	11
11	11	11	9.4	5.0	5.8	6.6	12	14	29	19	10	12
12	12	9.8	7.8	4.6	5.8	8.0	12	14	30	16	10	14
13	11	11	5.6	4.6	6.0	6.4	14	16	28	14	10	18
14	12	11	4.8	5.0	5.6	8.0	15	20	24	13	9.8	17
15	12	11	4.8	5.2	5.6	9.4	14	21	24	13	9.8	16
16	12	9.8	5.0	6.4	6.4	9.4	15	23	23	14	11	15
17	12	11	8.0	7.6	6.2	9.0	14	23	23	14	16	14
18	12	8.6	10	6.4	5.8	9.8	14	26	22	13	14	14
19	12	9.8	9.2	4.4	5.8	9.4	14	27	20	13	12	14
20	11	12	5.2	4.4	6.0	9.4	14	30	21	14	12	14
21	11	11	5.2	4.4	6.4	9.4	15	27	23	12	12	14
22	11	10	6.6	4.8	6.8	9.4	16	24	22	11	11	14
23	11	9.8	6.6	5.0	6.8	9.8	14	21	24	10	12	16
24	9.4	10	6.6	4.6	6.8	9.4	14	21	21	9.8	13	16
25	10	8.6	6.4	4.6	6.8	9.4	12	21	20	9.4	12	14
26	14	9.4	6.0	5.0	7.2	9.8	12	20	26	9.4	11	14
27	12	7.8	5.0	5.0	7.4	11	14	21	26	9.8	18	14
28	11	7.4	4.4	5.2	7.8	11	14	21	21	12	16	14
29	11	9.0	4.6	5.6	8.4	9.8	14	21	21	11	16	14
30	12	7.8	4.2	6.0	---	9.8	16	23	23	12	14	14
31	11	---	4.0	6.2	---	8.2	---	24	---	10	14	---
TOTAL	351.4	306.0	222.4	159.4	182.8	273.4	387.6	609	715	469.4	384.6	416
MEAN	11.3	10.2	7.17	5.14	6.30	8.82	12.9	19.6	23.8	15.1	12.4	13.9
AC-FT	697	607	441	316	363	542	769	1210	1420	931	763	825
MAX	14	12	10	7.6	8.4	11	16	30	30	24	18	18
MIN	9.4	7.4	4.0	3.8	5.0	6.4	8.2	11	20	9.4	9.8	11
CAL YR 1987 TOTAL	10720.2		MEAN	29.4	MAX	194	MIN	4.0	AC-FT	21260		
WTR YR 1988 TOTAL	4477.0		MEAN	12.2	MAX	30	MIN	3.8	AC-FT	8880		

MAX DISCH 33 CFS AT 1045 13-JUN-1988 GH 0.87 FT. SHIFT 0.18 FT. MAX GH 0.99 FT. AT 0730 20-FEB-1988



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1989)

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder.

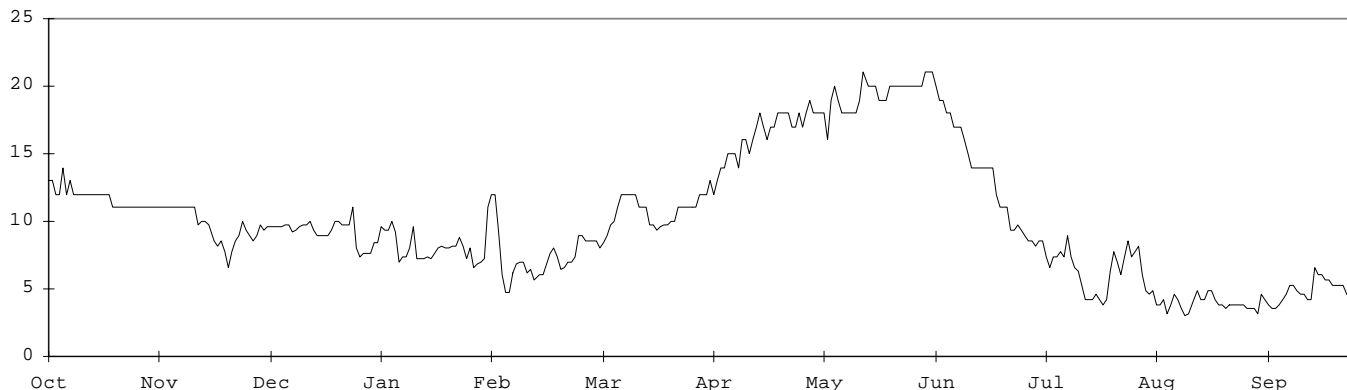
RATING TABLE.--TRIMTNC006 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	11	9.6	8.4	11	8.6	12	18	20	9.0	7.8	3.5
2	13	11	9.6	9.6	12	8.6	12	19	20	8.6	8.2	3.5
3	12	11	9.6	9.4	12	8.6	12	18	21	8.6	6.0	3.5
4	12	11	9.6	9.4	9.2	8.0	13	18	21	8.2	4.9	3.2
5	14	11	9.6	10	6.0	8.4	12	18	21	8.6	4.6	4.6
6	12	11	9.8	9.2	4.7	9.0	13	18	20	8.6	4.9	4.2
7	13	11	9.8	7.0	4.7	9.8	14	16	19	7.4	3.8	3.8
8	12	11	9.2	7.4	6.2	10	14	19	19	6.6	3.8	3.5
9	12	11	9.4	7.4	6.8	11	15	20	18	7.4	4.2	3.5
10	12	11	9.6	8.0	7.0	12	15	19	18	7.4	3.2	3.8
11	12	11	9.8	9.6	7.0	12	15	18	17	7.8	3.8	4.2
12	12	9.8	9.8	7.2	6.2	12	14	18	17	7.4	4.6	4.6
13	12	10	10	7.2	6.4	12	16	18	17	9.0	4.2	5.2
14	12	10	9.4	7.2	5.6	12	16	18	16	7.4	3.5	5.2
15	12	9.8	9.0	7.4	6.0	11	15	18	15	6.6	3.0	4.9
16	12	8.6	9.0	7.2	6.0	11	16	19	14	6.3	3.2	4.6
17	12	8.2	9.0	7.6	6.8	11	17	21	14	5.2	4.2	4.6
18	12	8.6	9.0	8.0	7.6	9.8	18	20	14	4.2	4.9	4.2
19	11	7.8	9.4	8.2	8.0	9.8	17	20	14	4.2	4.2	4.2
20	11	6.6	10	8.0	7.4	9.4	16	20	14	4.2	4.2	6.6
21	11	7.8	10	8.0	6.4	9.6	17	19	14	4.6	4.9	6.0
22	11	8.6	9.8	8.2	6.6	9.8	17	19	14	4.2	4.9	6.0
23	11	9.0	9.8	8.2	7.0	9.8	18	19	12	3.8	4.2	5.6
24	11	10	9.8	8.8	7.0	10	18	20	11	4.2	3.8	5.6
25	11	9.4	11	8.2	7.4	10	18	20	11	6.3	3.8	5.2
26	11	9.0	8.0	7.2	9.0	11	18	20	11	7.8	3.5	5.2
27	11	8.6	7.4	8.0	9.0	11	17	20	9.4	7.0	3.8	5.2
28	11	9.0	7.6	6.6	8.6	11	17	20	9.4	6.0	3.8	5.2
29	11	9.8	7.6	6.8	---	11	18	20	9.8	7.4	3.8	4.6
30	11	9.4	7.6	7.0	---	11	17	20	9.4	8.6	3.8	4.2
31	11	---	8.4	7.2	---	11	---	20	---	7.4	3.8	---
TOTAL	364	291.0	287.2	247.6	207.6	319.2	467	590	460.0	210.0	135.3	138.2
MEAN	11.7	9.70	9.26	7.99	7.41	10.3	15.6	19.0	15.3	6.77	4.36	4.61
AC-FT	722	577	570	491	412	633	926	1170	912	417	268	274
MAX	14	11	11	10	12	12	18	21	21	9.0	8.2	6.6
MIN	11	6.6	7.4	6.6	4.7	8.0	12	16	9.4	3.8	3.0	3.2

CAL YR 1988 TOTAL 4539.4 MEAN 12.4 MAX 30 MIN 3.8 AC-FT 9000  
WTR YR 1989 TOTAL 3717.1 MEAN 10.2 MAX 21 MIN 3.0 AC-FT 7370

MAX DISCH 23 CFS AT 0930 01-JUN-1989 GH 0.62 FT. SHIFT +0.29 FT. MAX GH 0.83 FT. AT 0715 16-FEB-1989



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO (1990)

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder.

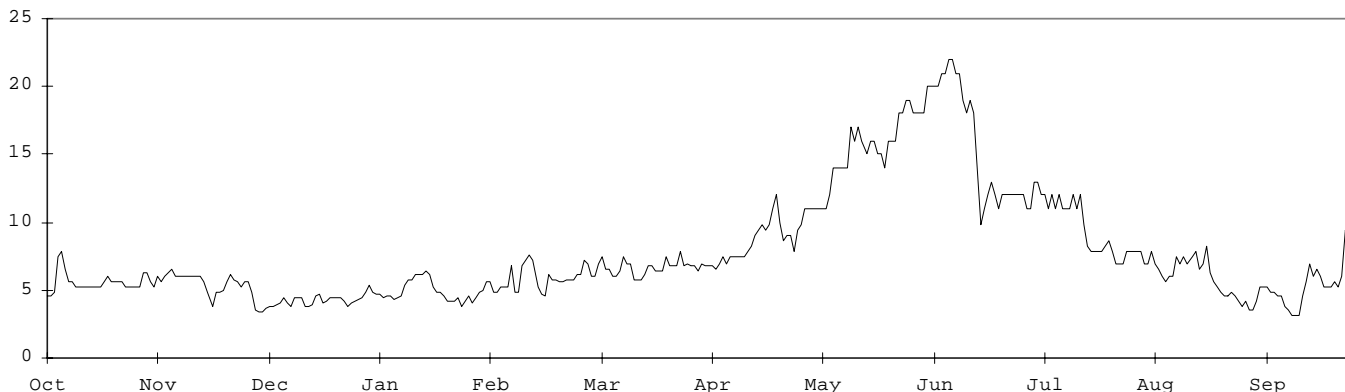
RATING TABLE.--TRIMTNC06 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	6.0	3.7	4.7	5.6	7.0	6.4	11	18	12	7.8	4.2
2	4.6	5.6	3.8	4.7	5.6	6.0	7.0	11	18	11	7.8	3.5
3	4.9	6.0	3.8	4.5	4.9	6.0	6.8	11	18	11	7.8	3.5
4	7.4	6.3	3.9	4.6	4.8	7.0	6.8	11	20	13	7.0	4.2
5	7.8	6.6	4.1	4.6	5.2	7.4	6.8	11	20	13	7.0	5.2
6	6.6	6.0	4.5	4.3	5.2	6.6	6.6	11	20	12	7.8	5.2
7	5.6	6.0	4.1	4.4	5.2	6.6	7.0	11	20	12	7.0	5.2
8	5.6	6.0	3.8	4.6	6.8	6.0	7.4	12	21	11	6.6	4.9
9	5.2	6.0	4.4	5.4	4.9	6.0	7.0	14	21	12	6.0	4.9
10	5.2	6.0	4.5	5.8	4.9	6.4	7.4	14	22	11	5.6	4.6
11	5.2	6.0	4.4	5.8	6.8	7.4	7.4	14	22	12	6.0	4.6
12	5.2	6.0	3.8	6.2	7.2	7.0	7.4	14	21	11	6.0	3.8
13	5.2	6.0	3.8	6.2	7.6	7.0	7.4	14	21	11	7.4	3.5
14	5.2	5.6	3.9	6.2	7.2	5.8	7.4	17	19	11	7.0	3.2
15	5.2	4.8	4.6	6.4	5.2	5.8	7.8	16	18	12	7.4	3.2
16	5.2	3.8	4.7	6.2	4.7	5.8	8.2	17	19	11	7.0	3.2
17	5.6	4.9	4.1	5.2	4.6	6.2	9.0	16	18	12	7.4	4.6
18	6.0	4.9	4.2	4.8	6.2	6.8	9.4	15	14	9.8	7.8	5.6
19	5.6	5.0	4.4	4.8	5.8	6.8	9.8	16	9.8	8.2	6.6	7.0
20	5.6	5.6	4.5	4.6	5.8	6.4	9.4	16	11	7.8	7.0	6.0
21	5.6	6.2	4.4	4.2	5.6	6.4	9.8	15	12	7.8	8.2	6.6
22	5.6	5.8	4.4	4.2	5.6	6.4	11	15	13	7.8	6.3	6.0
23	5.2	5.6	4.2	4.2	5.8	7.4	12	14	12	7.8	5.6	5.2
24	5.2	5.2	3.8	4.4	5.8	6.8	10	16	11	8.2	5.2	5.2
25	5.2	5.6	4.1	3.8	5.8	6.8	8.6	16	12	8.6	4.9	5.2
26	5.2	5.6	4.2	4.2	6.2	6.8	9.0	16	12	7.8	4.6	5.6
27	5.2	4.9	4.3	4.6	6.2	7.8	9.0	18	12	7.0	4.6	5.2
28	6.3	3.5	4.5	4.0	7.2	6.8	7.8	18	12	7.0	4.9	6.0
29	6.3	3.4	4.9	4.4	---	7.0	9.4	19	12	7.0	4.6	9.4
30	5.6	3.4	5.4	4.8	---	6.8	9.8	19	12	7.8	4.2	7.8
31	5.2	---	4.8	5.0	---	6.8	---	18	---	7.8	3.8	---
TOTAL	172.1	162.3	132.0	151.8	162.4	205.8	248.8	456	490.8	308.4	196.9	152.3
MEAN	5.55	5.41	4.26	4.90	5.80	6.64	8.29	14.7	16.4	9.95	6.35	5.08
AC-FT	341	322	262	301	322	408	493	904	974	612	391	302
MAX	7.8	6.6	5.4	6.4	7.6	7.8	12	19	22	13	8.2	9.4
MIN	4.6	3.4	3.7	3.8	4.6	5.8	6.4	11	9.8	7.0	3.8	3.2

CAL YR 1989 TOTAL 3241.3 MEAN 8.88 MAX 21 MIN 3.0 AC-FT 6430  
WTR YR 1990 TOTAL 2839.6 MEAN 7.78 MAX 22 MIN 3.2 AC-FT 5630

MAX DISCH 23 CFS AT 0230 14-MAY-1990 GH 0.71 FT. SHIFT 0.21 FT. MAX GH 0.87 FT. AT 0900 25-JAN-1990



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO (1982)

**LOCATION.**--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

**DRAINAGE AREA.**--190 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,900 ft, from topographic map.

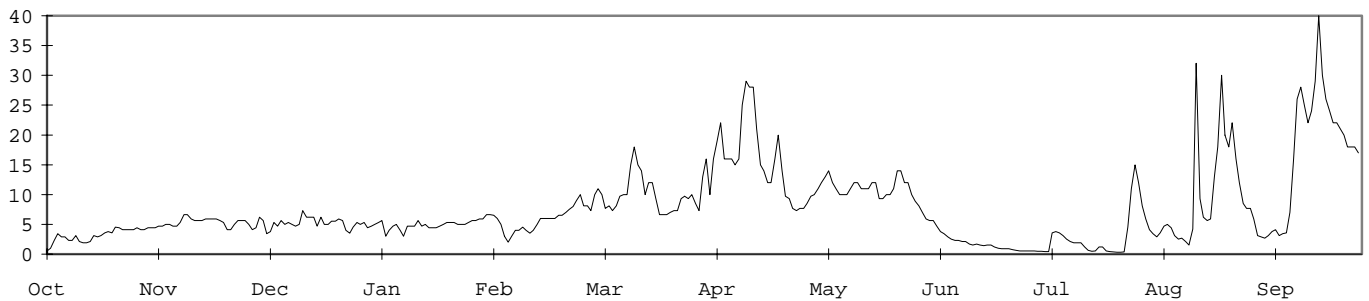
**RATING TABLE.**--SANFTGCO18 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.55	4.7	3.4	5.3	6.6	7.3	13	9.7	7.0	0.55	8.1	5.9
2	1.0	4.7	3.8	5.6	6.5	10	16	10	5.9	0.55	5.9	3.1
3	2.3	5.0	5.3	3.0	6.0	11	10	11	5.6	0.45	4.1	2.9
4	3.4	5.0	4.7	4.0	5.0	10	16	12	5.6	0.45	3.4	2.7
5	2.9	4.7	5.6	4.7	3.0	7.7	19	13	4.7	0.40	2.9	3.1
6	2.9	4.7	5.0	5.0	2.0	8.1	22	14	3.8	0.40	3.6	3.8
7	2.3	5.3	5.3	4.0	3.0	7.3	16	12	3.4	3.6	4.7	4.1
8	2.3	6.6	5.0	3.0	4.0	8.1	16	11	2.9	3.8	5.0	3.1
9	3.1	6.6	4.7	4.7	4.0	9.7	16	10	2.5	3.6	4.4	3.4
10	2.1	5.9	5.0	4.7	4.5	10	15	10	2.3	3.1	3.1	3.6
11	1.9	5.6	7.3	4.7	4.0	10	16	10	2.3	2.5	2.5	7.0
12	1.9	5.6	6.2	5.6	3.5	15	25	11	2.1	2.1	2.7	16
13	2.1	5.6	6.2	4.7	4.0	18	29	12	2.1	1.9	2.1	26
14	3.1	5.9	6.2	5.0	5.0	15	28	12	1.7	1.9	1.5	28
15	2.9	5.9	4.7	4.4	6.0	14	28	11	1.5	1.9	4.2	25
16	3.1	5.9	6.2	4.4	6.0	10	21	11	1.7	1.2	32	22
17	3.6	5.9	5.0	4.4	6.0	12	15	11	1.5	0.65	9.3	24
18	3.8	5.6	5.0	4.7	6.0	12	14	12	1.4	0.45	6.2	29
19	3.6	5.3	5.5	5.0	6.0	9.3	12	12	1.5	0.55	5.6	40
20	4.5	4.1	5.5	5.3	6.5	6.6	12	9.3	1.5	1.2	5.9	30
21	4.4	4.1	5.9	5.3	6.5	6.6	16	9.3	1.2	1.2	13	26
22	4.1	5.0	5.6	5.3	7.0	6.6	20	10	1.0	0.55	18	24
23	4.1	5.6	4.0	5.0	7.5	7.0	14	10	0.90	0.40	30	22
24	4.1	5.6	3.5	5.0	8.0	7.3	9.7	11	0.90	0.35	20	22
25	4.1	5.6	4.5	5.0	9.0	7.3	9.3	14	0.90	0.30	18	21
26	4.4	5.0	5.3	5.3	10	9.3	7.7	14	0.75	0.30	22	20
27	4.1	4.1	5.0	5.6	8.1	9.7	7.3	12	0.65	0.35	16	18
28	4.1	4.4	5.3	5.6	8.1	9.3	7.7	12	0.55	4.5	12	18
29	4.4	6.2	4.4	5.9	---	10	7.7	10	0.55	11	8.5	18
30	4.4	5.6	4.7	5.9	---	8.5	8.5	8.9	0.55	15	7.7	17
31	4.4	---	5.0	6.6	---	7.3	---	8.1	---	12	7.7	---
TOTAL	99.95	159.8	158.8	152.7	161.8	300.0	466.9	343.3	68.95	77.20	290.1	488.7
MEAN	3.22	5.33	5.12	4.93	5.78	9.68	15.6	11.1	2.30	2.49	9.36	16.3
AC-FT	198	317	315	303	321	595	926	681	137	153	575	969
MAX	4.5	6.6	7.3	6.6	10	18	29	14	7.0	15	32	40
MIN	0.55	4.1	3.4	3.0	2.0	6.6	7.3	8.1	0.55	0.30	1.5	2.7

CAL YR 1981 TOTAL 2288.97 MEAN 6.27 MAX 19 MIN 0.25 AC-FT 4540  
WTR YR 1982 TOTAL 2768.20 MEAN 7.58 MAX 40 MIN 0.30 AC-FT 5490

MAX DISCH 130 CFS AT 1830 23-AUG-1982 GH 2.88 FT. SHIFT 0.00 FT. MAX GH 2.88 FT. AT 1830 23-AUG-1982



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO (1983)

**LOCATION.**--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

**DRAINAGE AREA.**--190 mi<sup>2</sup>.

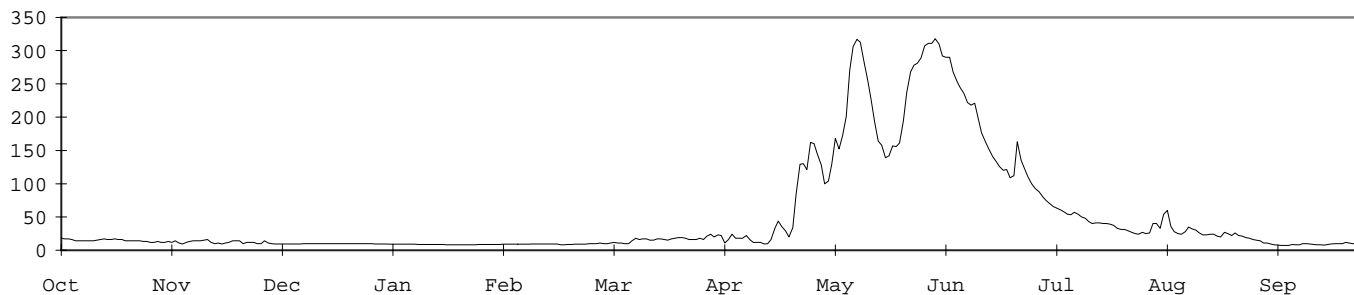
**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,900 ft, from topographic map.

**RATING TABLE.**--SANFTGCO18 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	12	9.5	9.0	8.5	11	24	144	311	93	25	15
2	17	14	9.5	9.0	9.0	10	20	128	311	88	26	14
3	17	11	9.5	9.0	9.0	10	23	100	318	81	40	11
4	16	9.3	9.5	9.0	9.0	11	22	104	310	75	40	11
5	14	12	9.5	9.0	9.0	12	11	130	292	70	33	9.3
6	14	13	9.5	9.0	9.0	11	16	168	290	66	54	8.1
7	14	14	9.5	9.0	9.0	11	24	152	290	63	60	7.7
8	14	14	10	9.0	9.0	10	18	172	268	61	36	7.3
9	14	14	10	8.5	9.0	10	18	201	254	58	28	7.0
10	14	15	10	8.5	9.5	14	18	271	244	54	25	7.0
11	15	16	10	8.5	9.5	18	22	306	236	53	24	8.5
12	16	12	10	8.5	9.5	16	16	317	222	57	28	8.1
13	17	10	10	8.5	9.5	17	12	313	218	54	35	8.1
14	16	11	10	8.5	9.5	17	12	282	221	50	32	10
15	16	9.3	10	8.5	9.5	15	12	257	198	48	30	10
16	17	11	10	8.5	9.5	15	9.3	227	176	43	26	9.3
17	16	12	10	8.0	9.3	17	10	191	163	40	23	8.5
18	16	14	10	8.0	8.1	17	16	164	152	41	23	8.1
19	14	14	10	8.0	8.1	16	33	158	141	41	24	8.1
20	14	14	10	8.0	8.5	15	44	139	134	40	24	7.7
21	14	10	10	8.0	8.5	17	35	142	126	40	21	8.5
22	14	12	10	8.0	9.0	18	29	157	120	39	20	9.3
23	14	12	10	8.0	9.0	19	20	156	121	37	27	9.7
24	13	12	10	8.0	9.0	19	34	161	109	33	25	10
25	13	9.7	10	8.0	9.0	18	85	194	112	31	22	10
26	12	10	10	8.5	10	16	129	237	163	31	26	12
27	12	14	10	8.5	10	16	130	268	135	29	22	11
28	13	11	9.5	8.5	10	16	121	278	123	27	21	9.7
29	12	9.7	9.5	8.5	---	18	162	281	110	25	19	10
30	12	9.3	9.5	8.5	---	16	160	289	100	24	18	12
31	13	---	9.5	8.5	---	21	---	307	---	27	16	---
TOTAL	451	361.3	304.5	263.0	255.5	467	1285.3	6394	5968	1519	873	286.0
MEAN	14.5	12.0	9.82	8.48	9.13	15.1	42.8	206	199	49.0	28.2	9.53
AC-FT	895	717	604	522	507	926	2550	12680	11840	3010	1730	567
MAX	18	16	10	9.0	10	21	162	317	318	93	60	15
MIN	12	9.3	9.5	8.0	8.1	10	9.3	100	100	24	16	7.0
CAL YR 1982 TOTAL	3466.45		MEAN	9.50	MAX	40	MIN	0.30	AC-FT	6880		
WTR YR 1983 TOTAL	18427.6		MEAN	50.5	MAX	318	MIN	7.0	AC-FT	36550		

MAX DISCH 332 CFS AT 1100 12-MAY-1983 GH 4.70 FT. SHIFT -0.19 FT. MAX GH 5.17 FT. AT 2300 03-JUN-1983



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO (1984)

**LOCATION.**--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

**DRAINAGE AREA.**--190 mi<sup>2</sup>.

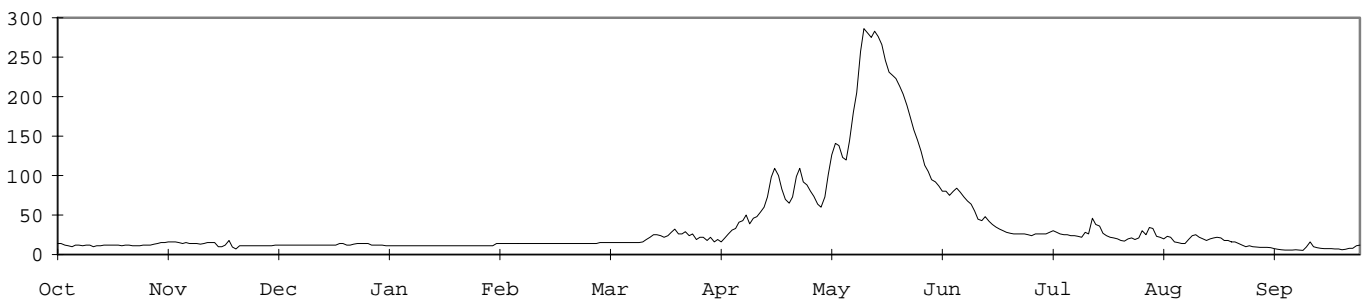
**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,900 ft, from topographic map.

**RATING TABLE.**--SANFTGCO18 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	16	12	11	14	15	22	64	105	26	25	9.7
2	14	16	12	11	14	15	16	60	95	26	34	9.3
3	12	16	12	11	14	15	19	73	92	26	33	9.3
4	11	15	12	11	14	15	16	101	87	26	23	9.3
5	10	14	12	11	14	15	21	126	80	28	22	8.9
6	12	15	12	11	14	15	26	141	80	30	20	7.7
7	12	14	12	11	14	15	31	138	75	28	23	6.6
8	11	14	12	11	14	15	33	123	80	26	22	5.9
9	12	14	12	11	14	15	41	120	84	25	16	5.6
10	12	13	12	11	14	15	43	144	79	25	15	5.6
11	10	14	12	11	14	15	50	180	73	24	14	5.6
12	11	15	12	11	14	15	39	205	68	24	14	5.9
13	11	15	12	11	14	16	46	257	64	23	19	5.6
14	12	15	12	11	14	19	48	286	55	22	24	5.3
15	12	10	12	11	14	22	54	281	45	28	25	9.7
16	12	10	12	11	14	25	60	275	43	26	22	16
17	12	12	12	11	14	25	73	283	48	46	20	10
18	12	18	12	11	14	24	98	276	42	38	18	8.9
19	11	9.7	14	11	14	22	109	266	38	36	20	8.1
20	12	7.0	14	11	14	24	100	246	35	27	21	7.7
21	12	11	12	11	14	28	83	231	32	24	22	7.7
22	11	11	12	11	14	32	70	227	30	22	21	7.7
23	11	11	13	11	14	26	65	223	28	21	18	7.3
24	11	11	14	11	14	26	73	213	27	20	18	7.0
25	12	11	14	11	14	29	99	203	26	18	16	5.9
26	12	11	14	11	14	24	109	189	26	17	16	6.6
27	12	11	14	11	14	26	92	174	26	20	14	8.1
28	13	11	12	11	14	19	88	158	26	21	12	8.1
29	14	11	12	11	14	22	80	145	25	19	10	11
30	15	11	12	11	---	22	74	131	24	21	11	12
31	15	---	12	11	---	18	---	113	---	30	10	---
TOTAL	373	382.7	385	341	406	629	1778	5652	1638	793	598	242.1
MEAN	12.0	12.8	12.4	11.0	14.0	20.3	59.3	182	54.6	25.6	19.3	8.07
AC-FT	740	759	764	676	805	1250	3530	11210	3250	1570	1190	480
MAX	15	18	14	11	14	32	109	286	105	46	34	16
MIN	10	7.0	12	11	14	15	16	60	24	17	10	5.3
CAL YR 1983 TOTAL	18451.5		MEAN	50.6	MAX	318	MIN	7.0	AC-FT	36600		
WTR YR 1984 TOTAL	13217.8		MEAN	36.1	MAX	286	MIN	5.3	AC-FT	26220		

MAX DISCH 293 CFS AT 1400 17-MAY-1984 GH 4.81 FT. SHIFT -0.58 FT. MAX GH 4.81 FT. AT 1400 17-MAY-1984



## RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO (1985)

**LOCATION.**--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

**DRAINAGE AREA.**--190 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,900 ft, from topographic map.

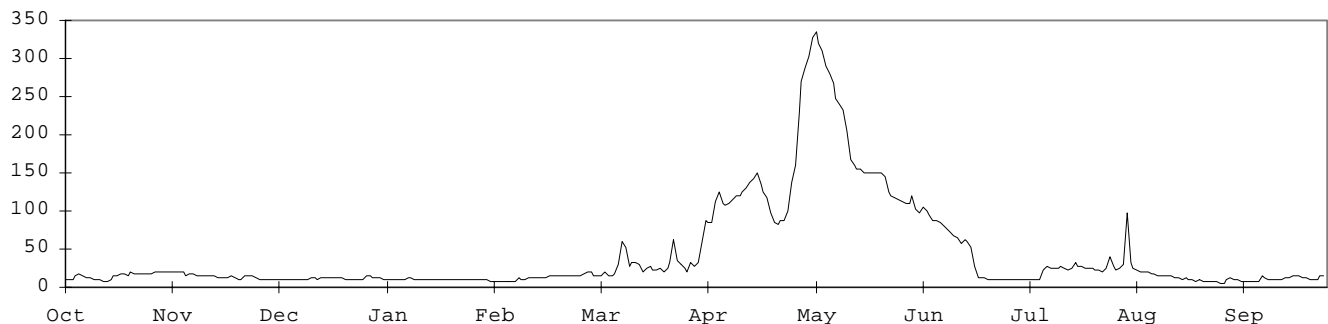
**RATING TABLE.**-- SANFTGCO18 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	21	10	10	8.0	19	28	231	109	10	23	6.2
2	11	20	10	10	8.0	19	32	271	109	10	25	9.3
3	11	19	10	10	8.0	16	60	288	119	10	29	12
4	16	19	10	10	8.0	16	88	302	103	9.0	97	10
5	17	16	10	10	8.0	16	85	327	97	9.0	33	9.7
6	14	18	10	10	8.0	19	85	334	106	9.0	26	8.1
7	12	18	10	10	8.0	16	113	321	99	9.0	23	7.3
8	12	16	11	12	8.0	16	126	311	94	9.0	20	7.3
9	11	15	11	12	12	18	110	290	88	9.4	20	7.0
10	11	15	11	9.0	11	31	108	281	88	9.0	19	6.6
11	9.3	14	12	9.0	11	61	110	268	86	22	18	7.3
12	7.7	16	12	9.0	12	52	115	248	81	27	17	16
13	8.1	16	11	9.0	12	27	120	241	77	25	16	12
14	9.7	13	12	9.0	12	32	120	232	72	25	16	10
15	14	12	12	9.0	12	33	125	206	68	26	16	9.3
16	16	12	12	9.0	12	29	130	168	64	27	14	10
17	17	13	12	9.0	13	21	138	161	57	24	14	8.9
18	17	14	12	10	14	25	142	155	62	23	12	8.9
19	16	13	12	10	14	28	151	155	59	26	12	13
20	20	10	12	10	15	23	136	149	52	33	11	12
21	17	10	11	10	16	22	126	151	28	28	12	14
22	18	14	11	10	15	25	117	151	13	28	10	14
23	17	14	11	10	14	20	98	151	12	26	9.3	14
24	18	15	11	10	14	24	85	151	12	25	8.5	12
25	17	12	11	10	14	33	83	151	11	24	8.9	12
26	18	9.7	11	10	14	62	88	146	11	23	8.1	11
27	20	10	14	11	16	36	88	125	11	22	7.7	11
28	20	10	14	11	17	31	100	121	11	21	7.7	11
29	20	10	12	10	---	24	137	118	11	25	7.3	15
30	20	10	12	10	---	19	161	116	10	39	7.0	16
31	20	---	12	10	---	33	---	112	---	27	6.2	---
TOTAL	465.8	424.7	352	308.0	334.0	846	3205	6432	1820	639.4	553.7	320.9
MEAN	15.0	14.2	11.4	9.94	11.9	27.3	107	207	60.7	20.6	17.9	10.7
AC-FT	924	842	698	611	662	1680	6360	12760	3610	1270	1100	637
MAX	20	21	14	12	17	62	161	334	119	39	97	16
MIN	7.7	9.7	10	9.0	8.0	16	28	112	10	9.0	6.2	6.2

CAL YR 1984 TOTAL 13319.6 MEAN 36.4 MAX 286 MIN 5.3 AC-FT 26420  
WTR YR 1985 TOTAL 15701.5 MEAN 43.0 MAX 334 MIN 6.2 AC-FT 31140

MAX DISCH 346 CFS AT 1330 06-MAY-1985 GH 5.02 FT. SHIFT -0.42 FT. MAX GH 5.02 FT. AT 1330 06-MAY-1985



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO (1986)

**LOCATION.**--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

**DRAINAGE AREA.**--190 mi<sup>2</sup>.

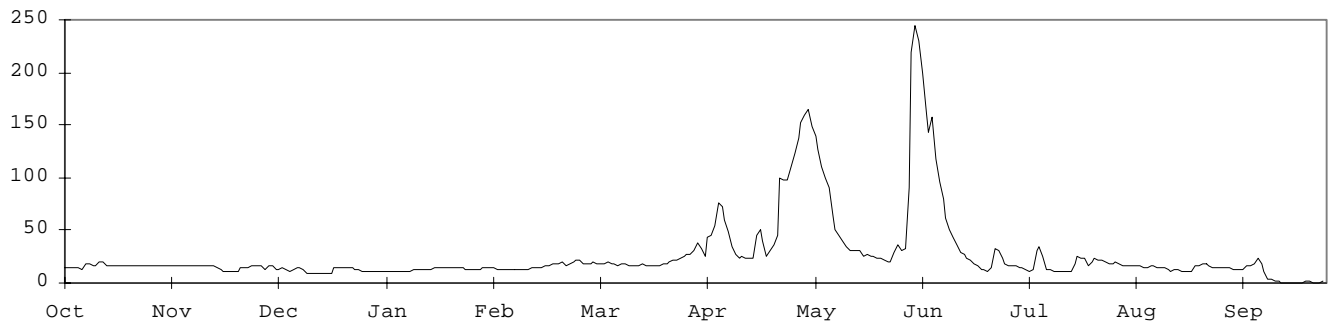
**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,900 ft, from topographic map.

**RATING TABLE.**--SANFTGCO18 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	16	12	10	14	18	31	138	33	16	20	15
2	14	16	12	10	14	19	38	153	91	16	18	15
3	14	16	14	10	13	20	33	160	219	16	17	14
4	14	16	12	10	13	18	26	164	245	14	16	13
5	14	16	10	11	13	19	44	149	230	14	16	13
6	13	16	12	11	13	18	46	139	200	12	16	12
7	18	16	14	11	13	20	55	127	161	10	16	12
8	19	16	14	11	13	19	76	111	143	12	16	16
9	16	16	12	11	12	19	72	100	157	30	15	16
10	16	16	8.5	12	12	17	60	90	118	35	14	19
11	20	16	9.5	12	12	18	49	63	96	26	16	23
12	20	16	9.5	12	12	18	34	50	79	13	16	18
13	17	16	9.5	12	15	16	28	46	61	12	15	10
14	16	14	9.5	12	14	17	24	40	50	11	14	4.1
15	16	12	9.5	12	15	16	25	35	44	10	14	3.4
16	16	11	9.5	14	14	16	24	31	36	10	13	1.4
17	16	11	9.5	14	16	18	24	30	29	10	11	1.0
18	17	11	14	14	17	16	24	30	27	10	12	0.90
19	16	11	14	14	19	16	45	30	24	10	12	0.90
20	16	11	14	14	19	16	50	26	22	18	10	0.90
21	16	14	14	14	19	16	39	27	18	26	10	0.90
22	16	14	14	14	20	16	25	26	16	24	10	0.75
23	16	14	14	14	16	18	31	25	13	23	11	0.75
24	16	16	12	14	18	19	36	24	13	16	17	0.90
25	16	16	12	13	20	20	46	23	11	20	16	1.0
26	16	17	11	13	21	21	99	21	14	24	19	1.0
27	16	17	11	13	22	22	97	20	33	22	18	0.90
28	16	12	11	13	18	23	98	20	31	21	16	0.90
29	16	17	11	13	---	25	110	29	24	20	14	0.90
30	16	16	10	15	---	27	123	36	18	19	14	1.0
31	16	---	10	15	---	28	---	30	---	18	14	---
TOTAL	498	442	359.0	388	437	589	1512	1993	2256	538	456	217.60
MEAN	16.1	14.7	11.6	12.5	15.6	19.0	50.4	64.3	75.2	17.4	14.7	7.25
AC-FT	988	877	712	770	867	1170	3000	3950	4470	1070	904	432
MAX	20	17	14	15	22	28	123	164	245	35	20	23
MIN	13	11	8.5	10	12	16	24	20	11	10	10	0.75
CAL YR 1985 TOTAL	15758.0		MEAN	43.2	MAX	334	MIN	6.2	AC-FT	31260		
WTR YR 1986 TOTAL	9685.60		MEAN	26.5	MAX	245	MIN	0.75	AC-FT	19210		

MAX DISCH 253 CFS AT 1130 04-JUN-1986 GH 3.88 FT. SHIFT 0.05 FT. MAX GH 3.88 FT. AT 1130 04-JUN-1986



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO (1987)

LOCATION.--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

DRAINAGE AREA.--190 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder. Altitude of gage is 7,900 ft, from topographic map.

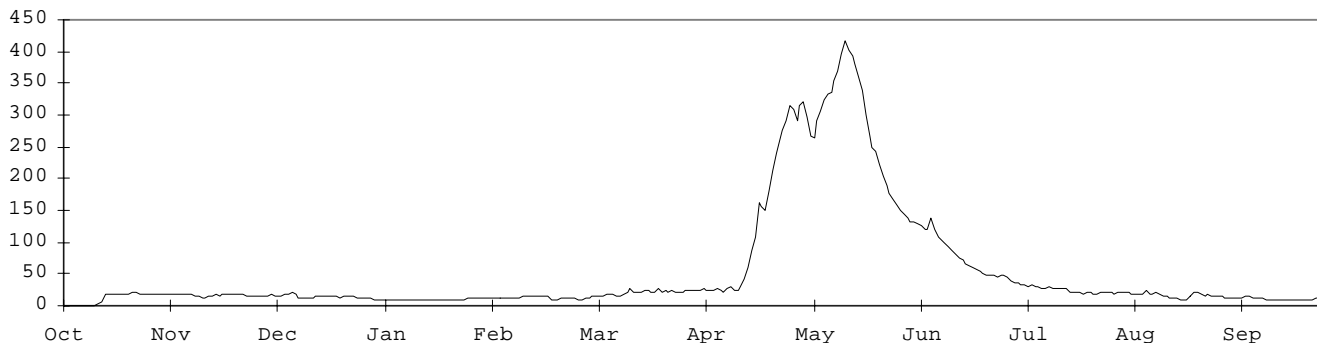
RATING TABLE.--SANFTGCO18 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	19	16	9.7	13	12	23	292	143	44	19	14
2	1.0	18	16	9.7	13	12	24	314	137	39	20	13
3	1.0	19	16	9.7	13	14	24	320	133	37	20	12
4	1.2	19	18	9.3	13	14	27	297	131	35	21	11
5	1.0	18	18	9.7	11	15	25	267	128	33	20	12
6	1.0	18	20	9.7	11	16	24	263	125	33	17	12
7	1.0	18	19	10	11	17	24	290	121	31	17	12
8	1.0	14	12	10	11	18	26	307	121	32	17	14
9	1.0	14	12	9.4	11	18	25	323	137	30	18	14
10	1.2	13	11	9.2	11	16	21	332	121	29	24	12
11	1.7	13	12	9.2	15	16	26	336	109	28	18	12
12	7.2	14	13	9.4	15	18	31	354	103	28	18	11
13	18	14	14	9.6	15	22	24	368	98	30	21	11
14	17	18	15	9.6	15	26	24	397	92	28	19	10
15	18	16	14	9.4	14	22	29	417	87	26	15	10
16	18	18	16	9.2	14	20	42	402	81	26	14	10
17	18	17	14	9.2	14	20	60	394	76	26	12	10
18	18	17	16	9.2	14	24	88	382	71	26	12	10
19	17	19	15	9.4	10	24	107	361	67	22	11	9.3
20	19	19	12	9.0	10	20	163	340	63	21	10	8.9
21	22	17	14	9.2	10	22	156	300	59	21	9.7	8.9
22	20	18	14	9.2	12	26	151	268	56	20	10	9.3
23	19	15	14	9.6	12	22	179	250	54	19	16	8.9
24	19	14	14	9.8	12	23	213	242	50	21	22	8.9
25	19	16	13	10	12	22	241	223	49	21	21	8.9
26	18	16	11	11	12	24	253	205	48	19	18	9.3
27	18	16	11	11	10	22	275	189	48	19	16	9.7
28	18	16	12	12	10	21	290	176	45	20	19	11
29	18	16	12	11	---	20	314	168	47	20	16	11
30	18	18	10	11	---	24	310	158	49	20	16	10
31	18	---	10	12	---	25	---	151	---	21	14	---
TOTAL	369.3	497	434	305.4	344	615	3219	9086	2649	825	520.7	324.1
MEAN	11.9	16.6	14.0	9.85	12.3	19.8	107	293	88.3	26.6	16.8	10.8
AC-FT	733	986	861	606	682	1220	6380	18020	5250	1640	1030	643
MAX	22	19	20	12	15	26	314	417	143	44	24	14
MIN	1.0	13	10	9.0	10	12	21	151	45	19	9.7	8.9

CAL YR 1986 TOTAL 9686.90 MEAN 26.5 MAX 245 MIN 0.75 AC-FT 19210  
WTR YR 1987 TOTAL 19188.5 MEAN 52.6 MAX 417 MIN 1.0 AC-FT 38060

MAX DISCH 427 CFS AT 0830 15-MAY-1987 GH 5.33 FT. SHIFT -0.20 FT. MAX GH 5.33 FT. AT 0830 15-MAY-1987



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO (1988)

**LOCATION.**--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

**DRAINAGE AREA.**--190 mi<sup>2</sup>.

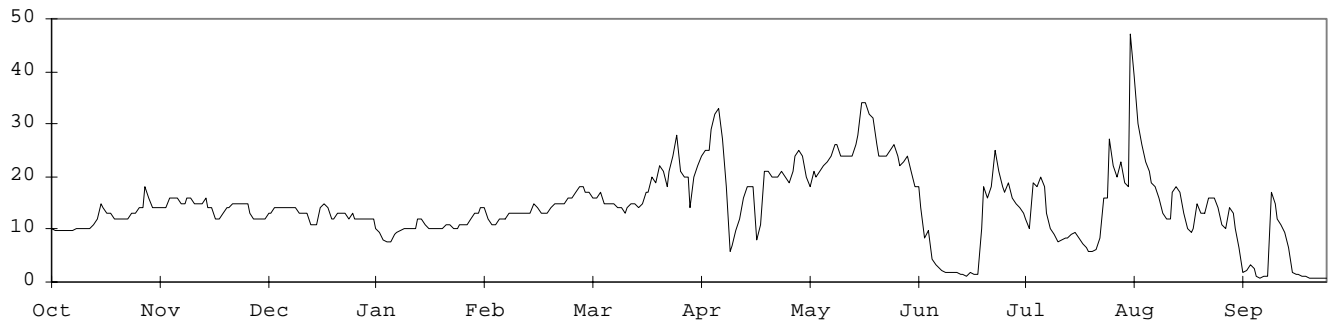
**GAGE.**--Graphic water-stage recorder with satellite monitoring system. Altitude of gage is 7,900 ft, from topographic map.

**RATING TABLE.**--SANFTGCO18 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	14	12	12	14	18	14	24	23	19	20	10
2	9.7	14	13	10	14	17	20	25	24	16	23	14
3	9.7	14	13	9.3	12	17	22	24	21	15	19	13
4	9.7	16	14	8.1	11	16	24	20	18	14	18	10
5	9.7	16	14	7.7	11	16	25	18	18	13	47	6.4
6	9.7	16	14	7.7	12	17	25	21	14	12	39	1.9
7	9.7	15	14	8.9	12	15	29	20	8.5	10	30	2.3
8	10	15	14	9.3	12	15	32	21	9.9	19	26	3.1
9	10	16	14	9.7	13	15	33	22	4.4	18	23	2.5
10	10	16	14	10	13	15	27	23	3.1	20	21	1.0
11	10	15	13	10	13	14	18	24	2.5	18	19	0.90
12	10	15	13	10	13	14	5.9	26	2.3	13	18	1.2
13	11	15	13	10	13	13	7.0	26	1.9	10	16	1.0
14	12	16	11	12	13	14	9.7	24	1.7	8.9	13	17
15	15	14	11	12	13	15	12	24	1.7	7.7	12	15
16	14	14	11	11	15	15	16	24	1.7	8.1	12	12
17	13	12	14	10	14	14	18	24	1.5	8.5	17	11
18	13	12	15	10	13	15	18	26	1.4	8.5	18	9.3
19	12	13	14	10	13	17	18	28	1.2	8.9	17	6.7
20	12	14	12	10	13	17	8.1	34	1.9	9.3	13	1.9
21	12	14	12	10	14	20	11	34	1.5	8.5	10	1.5
22	12	15	13	11	15	19	21	32	1.4	7.3	9.3	1.4
23	12	15	13	11	15	22	21	31	10	6.6	10	1.2
24	13	15	13	10	15	21	20	26	18	5.9	15	1.2
25	13	15	12	10	15	18	20	24	16	5.9	13	0.90
26	14	15	13	11	16	21	20	24	18	6.2	13	0.90
27	14	13	12	11	16	24	21	24	25	8.5	16	0.90
28	18	12	12	11	17	28	20	25	21	16	16	0.90
29	16	12	12	12	18	21	19	26	18	16	16	0.90
30	14	12	12	13	---	20	21	24	17	27	14	0.90
31	14	---	12	13	---	20	---	22	---	22	11	---
TOTAL	372.2	430	399	320.7	398	543	575.7	770	307.6	386.8	564.3	150.90
MEAN	12.0	14.3	12.9	10.3	13.7	17.5	19.2	24.8	10.3	12.5	18.2	5.03
AC-FT	738	853	791	636	789	1080	1140	1530	610	767	1120	299
MAX	18	16	15	13	18	28	33	34	25	27	47	17
MIN	9.7	12	11	7.7	11	13	5.9	18	1.2	5.9	9.3	0.90
CAL YR 1987 TOTAL	19089.4		MEAN	52.3	MAX	417	MIN	8.9	AC-FT	37860		
WTR YR 1988 TOTAL	5218.20		MEAN	14.3	MAX	47	MIN	0.90	AC-FT	10350		

MAX DISCH 89 CFS AT 0930 05-AUG-1988 GH 2.33 FT. SHIFT 0.13 FT. MAX GH 2.33 FT. AT 0930 05-AUG-1988



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO (1989)

**LOCATION.**--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

**DRAINAGE AREA.**--190 mi<sup>2</sup>.

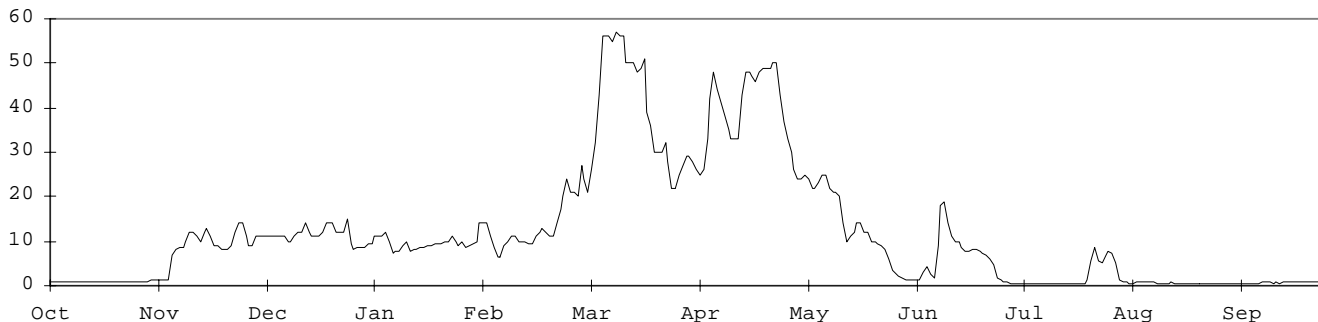
**GAGE.**--Graphic water-stage recorder with satellite monitoring system. Altitude of gage is 7,900 ft, from topographic map.

**RATING TABLE.**--SANFTGCO18 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.90	1.2	11	9.4	14	20	29	30	2.3	0.90	7.3	0.35
2	0.90	1.2	11	11	14	27	29	26	1.7	0.65	5.1	0.40
3	0.90	1.2	11	11	14	24	28	24	1.5	0.55	1.2	0.30
4	0.90	1.2	11	11	11	21	26	24	1.5	0.55	0.75	0.35
5	0.90	6.7	11	12	8.4	26	25	25	1.4	0.55	0.65	0.45
6	0.90	8.1	11	10	6.4	32	26	24	1.2	0.55	0.55	0.55
7	1.0	8.5	11	7.4	6.6	43	33	22	1.2	0.45	0.55	0.45
8	0.90	8.5	10	7.8	9.0	56	42	22	3.2	0.55	0.65	0.45
9	0.75	10	10	7.8	10	56	48	23	4.5	0.40	0.75	0.45
10	0.75	12	11	8.8	11	56	44	25	2.5	0.40	0.75	0.45
11	0.75	12	12	10	11	55	41	25	1.9	0.45	0.75	0.55
12	0.75	11	12	7.6	10	57	38	22	8.8	0.45	0.65	0.55
13	0.75	10	14	8.0	10	56	35	21	18	0.45	0.65	0.65
14	0.90	12	12	8.0	10	56	33	21	19	0.45	0.55	0.65
15	0.90	13	11	8.4	9.6	50	33	20	14	0.40	0.55	0.65
16	0.75	11	11	8.4	9.6	50	33	14	11	0.35	0.55	0.55
17	0.75	8.9	11	8.8	11	50	43	10	10	0.35	0.45	0.65
18	1.0	9.0	12	9.2	12	48	48	11	10	0.30	0.65	0.55
19	0.90	8.0	14	9.4	13	49	48	12	8.5	0.35	0.45	0.65
20	0.90	8.0	14	9.6	12	51	47	14	7.7	0.40	0.45	0.90
21	1.0	8.0	14	9.6	11	39	46	14	7.7	0.40	0.40	0.65
22	1.0	9.0	12	10	11	36	48	12	8.1	0.55	0.40	0.65
23	1.0	12	12	10	14	30	49	12	8.1	0.45	0.40	0.65
24	1.0	14	12	11	17	30	49	10	7.7	0.45	0.35	0.65
25	1.0	14	15	10	20	30	49	9.7	7.3	1.2	0.35	0.66
26	1.0	11	9.4	9.0	24	32	50	9.3	7.0	5.5	0.30	0.66
27	1.0	9.0	8.0	10	21	28	50	8.9	6.2	8.5	0.35	0.66
28	1.0	9.0	8.4	8.6	21	22	43	8.1	4.9	5.6	0.40	0.66
29	1.0	11	8.4	9.0	---	22	37	6.2	1.7	5.0	0.45	0.67
30	1.2	11	8.4	9.4	---	25	33	3.4	1.2	6.9	0.35	0.67
31	1.2	---	9.4	9.8	---	27	---	2.7	---	7.7	0.40	---
TOTAL	28.55	269.5	348.0	290.0	351.6	1204	1183	511.3	189.8	51.75	28.10	17.13
MEAN	0.92	8.98	11.2	9.35	12.6	38.8	39.4	16.5	6.33	1.67	0.91	0.57
AC-FT	57	535	690	575	697	2390	2350	1010	376	103	56	34
MAX	1.2	14	15	12	24	57	50	30	19	8.5	7.3	0.90
MIN	0.75	1.2	8.0	7.4	6.4	20	25	2.7	1.2	0.30	0.30	0.30
CAL YR 1988 TOTAL	4663.05		MEAN	12.7	MAX	47	MIN	0.75	AC-FT	9250		
WTR YR 1989 TOTAL	4472.73		MEAN	12.3	MAX	57	MIN	0.30	AC-FT	8870		

MAX DISCH 79 CFS AT 1300 20-APR-1989 GH 2.21 FT. SHIFT 0.13 FT. MAX GH 2.52 FT. AT 0730 07-JAN-1989



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO (1990)

**LOCATION.**--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

**DRAINAGE AREA.**--190 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite monitoring system. Altitude of gage is 7,900 ft, from topographic map.

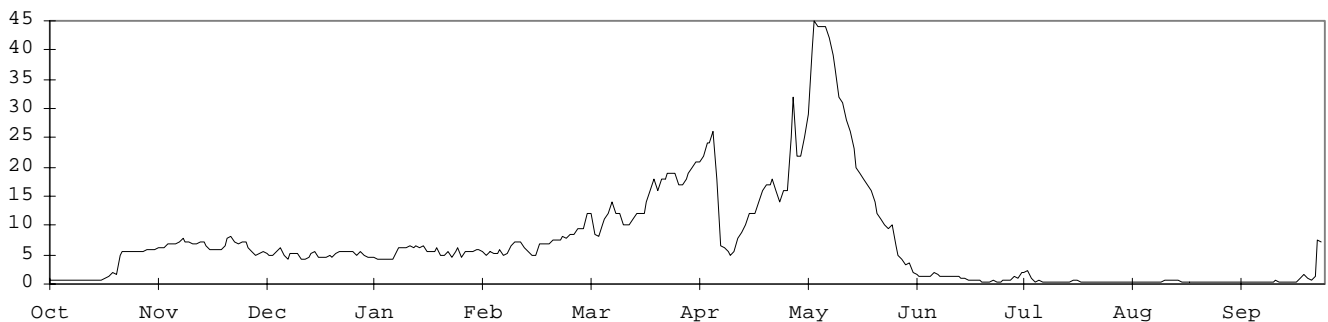
**RATING TABLE.**--SANFTGCO18 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.67	6.2	5.6	4.5	5.9	9.3	18	25	5.0	0.55	0.40	0.21
2	0.67	6.2	5.3	4.5	5.5	9.6	19	32	4.1	0.65	0.40	0.25
3	0.67	6.2	5.0	4.3	5.0	9.6	20	22	3.4	0.65	0.35	0.25
4	0.66	7.0	5.0	4.4	5.4	12	21	22	3.6	1.3	0.25	0.25
5	0.66	7.0	5.6	4.4	5.2	12	21	25	2.1	1.0	0.25	0.25
6	0.65	7.0	6.2	4.2	5.2	8.5	22	29	1.5	1.9	0.30	0.25
7	0.66	7.3	5.0	4.4	5.9	8.1	24	40	1.4	1.9	0.30	0.30
8	0.67	7.7	4.4	4.9	5.0	10	24	45	1.2	2.3	0.30	0.30
9	0.68	7.3	5.3	6.2	5.2	11	26	44	1.2	0.90	0.35	0.30
10	0.69	7.3	5.3	6.2	6.4	12	18	44	1.2	0.45	0.40	0.25
11	0.68	7.0	5.3	6.2	7.1	14	6.6	44	1.9	0.55	0.30	0.25
12	0.67	7.0	4.4	6.6	7.3	12	6.2	42	1.5	0.25	0.30	0.25
13	0.66	7.3	4.4	6.2	7.3	12	5.6	39	1.2	0.30	0.35	0.25
14	0.65	7.3	4.5	6.6	6.2	10	5.0	37	1.2	0.45	0.35	0.25
15	0.55	6.6	5.3	6.2	5.6	10	5.6	32	1.2	0.45	0.45	0.21
16	0.65	5.9	5.6	6.4	5.0	10	7.7	31	1.4	0.40	0.75	0.25
17	0.90	5.9	4.5	5.6	4.8	11	8.9	28	1.4	0.40	0.75	0.55
18	1.4	5.9	4.6	5.6	7.0	12	10	26	1.4	0.40	0.75	0.30
19	1.9	5.9	4.7	5.6	7.0	12	12	23	1.0	0.40	0.75	0.30
20	1.5	6.6	4.8	6.2	7.0	12	12	20	0.90	0.45	0.65	0.30
21	5.0	7.7	4.7	4.9	7.0	14	12	19	0.75	0.55	0.45	0.35
22	5.6	8.1	5.3	4.9	7.4	16	14	18	0.75	0.65	0.40	0.30
23	5.6	7.3	5.6	5.6	7.4	18	16	17	0.55	0.35	0.35	0.45
24	5.6	7.0	5.6	4.5	7.4	16	17	16	0.65	0.36	0.35	1.0
25	5.6	7.3	5.6	5.6	8.2	18	17	14	0.35	0.36	0.30	1.7
26	5.6	7.3	5.6	6.2	7.9	18	18	12	0.40	0.37	0.30	1.1
27	5.6	6.2	5.4	4.7	8.4	19	16	11	0.45	0.37	0.25	0.55
28	5.6	5.6	5.0	5.4	8.5	19	14	10	0.55	0.38	0.30	1.4
29	5.9	5.0	5.6	5.6	---	19	16	9.3	0.40	0.38	0.25	7.5
30	5.9	5.3	5.0	5.6	---	17	16	10	0.45	0.39	0.25	7.3
31	5.9	---	4.6	5.9	---	17	---	6.6	---	0.39	0.25	---
TOTAL	78.14	201.4	158.8	168.1	181.2	408.1	448.6	792.9	43.10	20.20	12.15	27.17
MEAN	2.52	6.71	5.12	5.42	6.47	13.2	15.0	25.6	1.44	0.65	0.39	0.91
AC-FT	155	399	315	333	359	809	890	1570	85	40	24	54
MAX	5.9	8.1	6.2	6.6	8.5	19	26	45	5.0	2.3	0.75	7.5
MIN	0.55	5.0	4.4	4.2	4.8	8.1	5.0	6.6	0.35	0.25	0.25	0.21

CAL YR 1989 TOTAL 4265.02 MEAN 11.7 MAX 57 MIN 0.30 AC-FT 8460  
WTR YR 1990 TOTAL 2539.86 MEAN 6.96 MAX 45 MIN 0.21 AC-FT 5040

MAX DISCH 57 CFS AT 0930 08-MAY-1990 GH 2.07 FT. SHIFT 0.02 FT. MAX GH 2.52 FT. AT 2330 05-JAN-1990



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO (1982)

LOCATION.--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

DRAINAGE AREA.--32 mi<sup>2</sup>.

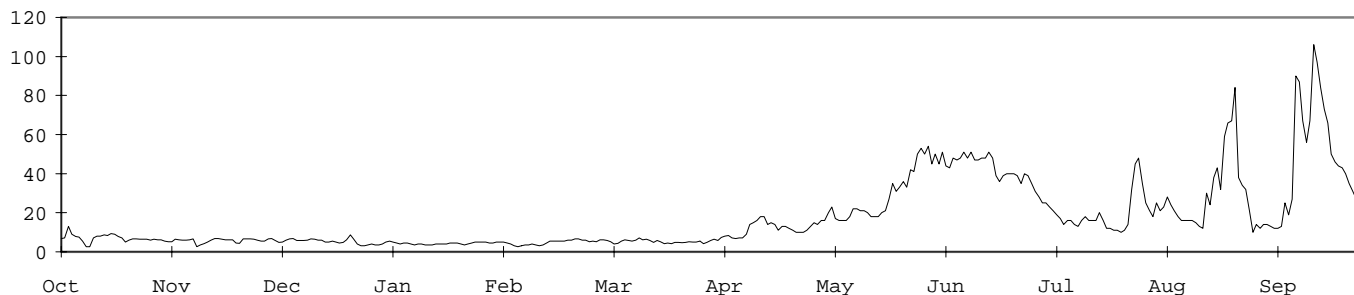
GAGE.--Graphic water-stage recorder. Altitude of gage is 8,045 ft, from topographic map.

RATING TABLE.--UTEFTGCO17 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	5.2	4.8	5.5	5.0	6.1	5.7	14	54	31	25	14
2	7.0	6.4	5.0	5.0	5.0	6.1	6.4	16	45	28	21	12
3	13	6.1	6.0	4.5	4.5	5.7	5.7	16	50	25	18	14
4	9.0	5.9	6.5	4.0	4.0	5.2	7.3	20	45	25	25	14
5	7.8	5.9	6.8	4.5	3.0	4.0	8.1	23	51	23	21	13
6	7.5	6.1	5.7	4.5	2.5	4.3	8.4	17	44	21	23	12
7	5.5	6.6	5.7	4.0	3.0	5.4	7.0	16	43	19	28	12
8	2.5	2.6	5.7	3.5	3.5	6.1	6.8	16	48	17	24	13
9	2.6	3.6	5.9	4.0	3.5	5.7	7.0	16	47	14	21	25
10	7.0	4.1	6.6	4.0	4.0	5.4	7.0	18	48	16	18	19
11	8.1	5.0	6.4	3.5	3.5	5.9	9.0	22	51	16	16	27
12	8.1	5.9	6.0	3.5	3.0	7.0	14	22	48	14	16	90
13	8.7	6.8	6.0	3.5	3.5	6.1	15	21	51	13	16	87
14	8.4	6.8	5.0	4.0	4.5	6.4	16	21	47	16	16	67
15	9.3	6.4	5.0	4.0	5.5	5.7	18	20	47	18	15	56
16	9.0	6.1	5.5	4.0	5.5	4.8	18	18	48	16	13	67
17	7.8	6.1	5.0	4.0	5.5	5.7	14	18	48	16	12	106
18	7.0	6.1	4.5	4.5	5.5	5.2	15	18	51	16	30	97
19	5.0	4.5	4.8	4.5	5.5	4.1	14	20	48	20	24	84
20	5.9	4.3	6.1	4.5	6.0	4.5	11	21	39	16	38	73
21	6.6	6.6	8.7	4.0	6.0	4.1	13	27	36	12	43	66
22	6.6	6.6	6.4	3.5	6.5	4.8	13	35	39	12	32	50
23	6.4	6.6	4.0	4.0	6.5	4.8	12	31	40	11	59	46
24	6.4	6.4	3.0	4.5	6.0	4.7	11	33	40	11	66	44
25	6.4	5.9	3.0	5.0	6.0	4.8	9.9	36	40	10	67	43
26	5.9	5.5	3.5	5.0	5.2	5.2	9.9	33	39	11	84	40
27	6.4	5.4	4.0	5.0	5.4	5.0	10	42	35	14	38	35
28	6.1	6.6	3.5	5.0	5.2	5.0	11	41	40	32	34	31
29	6.1	6.8	3.5	4.5	---	5.4	13	50	39	45	32	27
30	5.4	5.7	4.0	4.5	---	4.1	15	53	35	48	21	25
31	5.2	---	5.0	5.0	---	4.8	---	50	---	35	9.9	---
TOTAL	213.5	172.6	161.6	133.5	132.8	162.1	331.2	804	1336	621	905.9	1309
MEAN	6.89	5.75	5.21	4.31	4.74	5.23	11.0	25.9	44.5	20.0	29.2	43.6
AC-FT	423	342	321	265	263	322	657	1590	2650	1230	1800	2600
MAX	13	6.8	8.7	5.5	6.5	7.0	18	53	54	48	84	106
MIN	2.5	2.6	3.0	3.5	2.5	4.0	5.7	14	35	10	9.9	12
CAL YR 1981 TOTAL		3695.0	MEAN	10.1	MAX	44	MIN	2.5	AC-FT	7330		
WTR YR 1982 TOTAL		6283.2	MEAN	17.2	MAX	106	MIN	2.5	AC-FT	12460		

MAX DISCH 143 CFS AT 2330 25-AUG-1982 GH 2.85 FT. SHIFT -0.01 FT. MAX GH 2.85 FT. AT 2330 25-AUG-1982



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO (1983)

**LOCATION.**--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

**DRAINAGE AREA.**--32 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,045 ft, from topographic map.

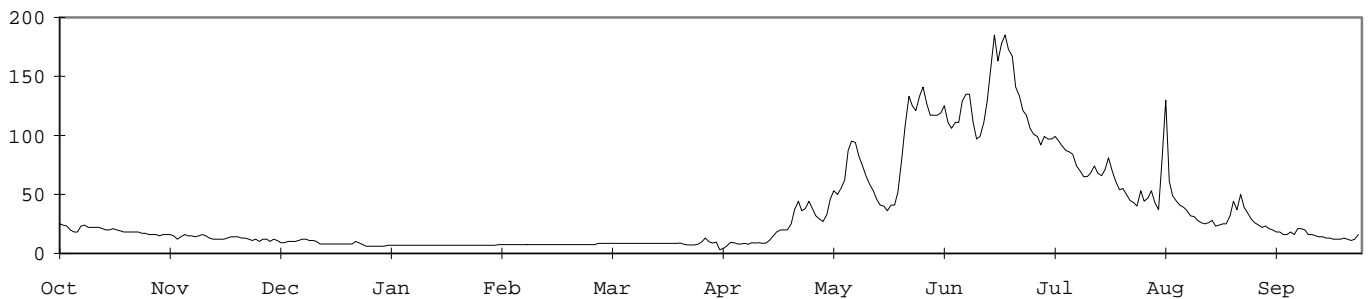
**RATING TABLE.**--UTEFTGCO17 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	16	11	7.0	7.5	8.5	9.9	32	127	101	44	26
2	24	15	9.0	7.0	7.5	8.5	8.7	29	117	99	47	24
3	23	12	9.0	7.0	7.5	8.5	9.6	27	117	92	53	22
4	20	14	10	7.0	7.5	8.5	3.2	33	117	99	43	23
5	18	16	10	7.0	7.5	8.5	4.0	46	119	97	37	21
6	18	15	10	7.0	7.5	8.5	6.5	53	125	97	80	20
7	23	15	11	7.0	7.5	8.5	9.3	50	111	99	130	18
8	24	14	12	7.0	7.5	8.5	9.0	55	106	95	61	18
9	22	15	12	7.0	7.5	8.5	8.1	62	111	91	49	16
10	22	16	11	7.0	7.5	8.5	8.1	87	111	87	44	16
11	22	15	11	7.0	7.5	8.5	8.4	95	129	86	41	18
12	22	13	10	7.0	7.5	8.5	7.8	94	135	84	39	16
13	21	12	8.1	7.0	7.5	8.5	9.0	83	135	74	36	21
14	20	12	8.0	7.0	7.5	8.5	8.8	74	111	70	32	21
15	20	12	8.0	7.0	7.5	8.5	9.0	66	97	65	31	20
16	21	12	8.0	7.0	7.5	8.5	8.4	59	99	65	28	16
17	20	13	8.0	7.0	7.5	8.5	8.7	53	111	68	26	16
18	19	14	8.0	7.0	7.5	8.5	11	46	129	74	25	15
19	18	14	8.0	7.0	7.5	8.5	15	41	159	68	26	14
20	18	14	8.0	7.0	7.5	8.5	18	40	185	66	28	14
21	18	13	8.0	7.0	7.5	8.5	20	36	163	71	23	13
22	18	13	8.0	7.0	7.5	8.5	20	41	178	81	24	13
23	18	12	10	7.0	7.5	8.5	20	41	185	70	25	12
24	17	11	8.7	7.0	7.5	8.7	25	52	173	61	25	12
25	17	12	7.5	7.0	7.5	7.8	37	80	167	54	32	12
26	16	10	6.0	7.0	7.5	7.3	44	108	141	55	44	13
27	16	12	6.0	7.0	7.5	7.3	36	133	133	50	37	12
28	16	12	6.0	7.0	7.5	7.3	38	125	121	45	50	11
29	15	10	6.0	7.0	---	8.1	44	121	117	43	39	12
30	16	12	6.0	7.0	---	9.9	38	133	106	40	34	16
31	16	---	6.0	7.0	---	13	---	141	---	53	29	---
TOTAL	603	396	268.3	217.0	210.0	264.9	502.5	2136	3935	2300	1262	501
MEAN	19.5	13.2	8.65	7.00	7.50	8.55	16.8	68.9	131	74.2	40.7	16.7
AC-FT	1200	785	532	430	417	525	997	4240	7810	4560	2500	994
MAX	25	16	12	7.0	7.5	13	44	141	185	101	130	26
MIN	15	10	6.0	7.0	7.5	7.3	3.2	27	97	40	23	11

CAL YR 1982 TOTAL 7002.8 MEAN 19.2 MAX 106 MIN 2.5 AC-FT 13890  
WTR YR 1983 TOTAL 12595.7 MEAN 34.5 MAX 185 MIN 3.2 AC-FT 24980

MAX DISCH 273 CFS AT 2000 06-AUG-1983 GH 3.43 FT. SHIFT -0.04 FT. MAX GH 3.43 FT. AT 2000 06-AUG-1983



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO (1984)

**LOCATION.**--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

**DRAINAGE AREA.**--32 mi<sup>2</sup>.

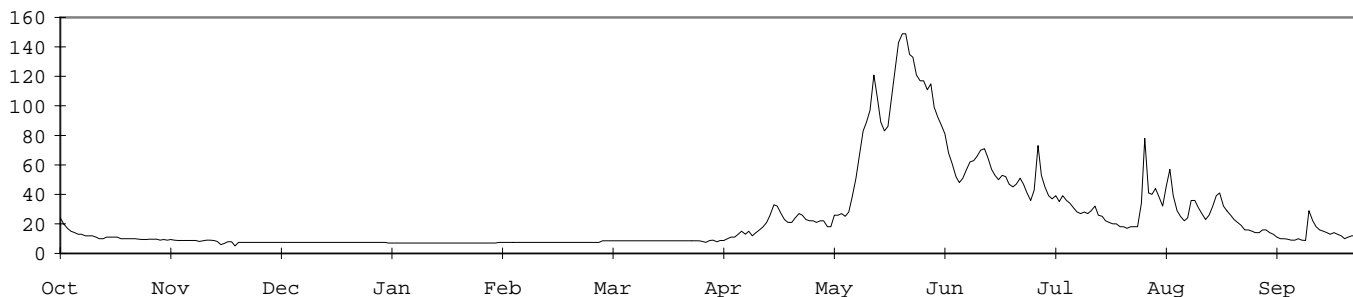
**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,045 ft, from topographic map.

**RATING TABLE.**--UTEFTGCO17 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	9.3	7.5	7.0	7.5	8.5	9.0	22	115	73	41	14
2	20	9.0	7.5	7.0	7.5	8.5	7.8	22	99	53	40	16
3	17	8.7	7.5	7.0	7.5	8.5	8.7	18	92	45	44	16
4	15	8.7	7.5	7.0	7.5	8.5	8.7	18	87	39	38	14
5	14	8.7	7.5	7.0	7.5	8.5	9.9	26	81	37	32	13
6	13	8.7	7.5	7.0	7.5	8.5	11	26	68	39	46	11
7	13	8.7	7.5	7.0	7.5	8.5	11	27	61	35	57	10
8	12	8.7	7.5	7.0	7.5	8.5	13	25	52	39	39	10
9	12	8.1	7.5	7.0	7.5	8.5	15	28	48	36	29	9.6
10	12	8.4	7.5	7.0	7.5	8.5	13	38	51	34	25	9.0
11	11	9.0	7.5	7.0	7.5	8.5	15	51	57	31	22	9.0
12	10	9.0	7.5	7.0	7.5	8.5	12	66	62	28	24	9.9
13	10	8.7	7.5	7.0	7.5	8.5	14	83	63	27	36	9.0
14	11	8.1	7.5	7.0	7.5	8.5	16	89	66	28	36	8.7
15	11	5.9	7.5	7.0	7.5	8.5	18	97	70	27	31	29
16	11	6.8	7.5	7.0	7.5	8.5	21	121	71	29	27	22
17	11	7.8	7.5	7.0	7.5	8.5	26	106	65	32	23	18
18	10	7.8	7.5	7.0	7.5	8.5	33	89	57	26	26	16
19	10	5.0	7.5	7.0	7.5	8.5	32	83	53	25	32	15
20	10	7.5	7.5	7.0	7.5	8.5	27	86	50	22	39	14
21	10	7.5	7.5	7.0	7.5	8.5	23	106	53	21	41	13
22	9.9	7.5	7.5	7.0	7.5	8.5	21	125	52	20	32	14
23	9.6	7.5	7.5	7.0	7.5	8.5	21	143	47	20	29	13
24	9.3	7.5	7.5	7.0	7.5	8.5	24	149	45	18	26	12
25	9.3	7.5	7.5	7.0	7.5	8.5	27	149	47	18	23	10
26	9.6	7.5	7.5	7.0	7.5	8.5	26	135	51	17	21	11
27	9.6	7.5	7.5	7.0	7.5	8.5	23	133	47	18	19	12
28	9.6	7.5	7.5	7.0	7.5	8.5	22	121	41	18	16	12
29	9.0	7.5	7.5	7.0	7.5	8.1	22	117	36	18	16	14
30	9.3	7.5	7.5	7.0	---	7.5	21	117	43	34	15	13
31	9.0	---	7.5	7.0	---	8.7	---	111	---	78	14	---
TOTAL	361.2	237.6	232.5	217.0	217.5	262.3	551.1	2527	1830	985	939	397.2
MEAN	11.7	7.92	7.50	7.00	7.50	8.46	18.4	81.5	61.0	31.8	30.3	13.2
AC-FT	716	471	461	430	431	520	1090	5010	3630	1950	1860	788
MAX	24	9.3	7.5	7.0	7.5	8.7	33	149	115	78	57	29
MIN	9.0	5.0	7.5	7.0	7.5	7.5	7.8	18	36	17	14	8.7
CAL YR 1983 TOTAL		12159.7	MEAN	33.3	MAX	185	MIN	3.2	AC-FT	24120		
WTR YR 1984 TOTAL		8757.4	MEAN	23.9	MAX	149	MIN	5.0	AC-FT	17370		

MAX DISCH 225 CFS AT 1900 31-JUL-1984 GH 3.08 FT. SHIFT 0.12 FT. MAX GH 3.08 FT. AT 1900 31-JUL-1984



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO (1985)

**LOCATION.**--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

**DRAINAGE AREA.**--32 mi<sup>2</sup>.

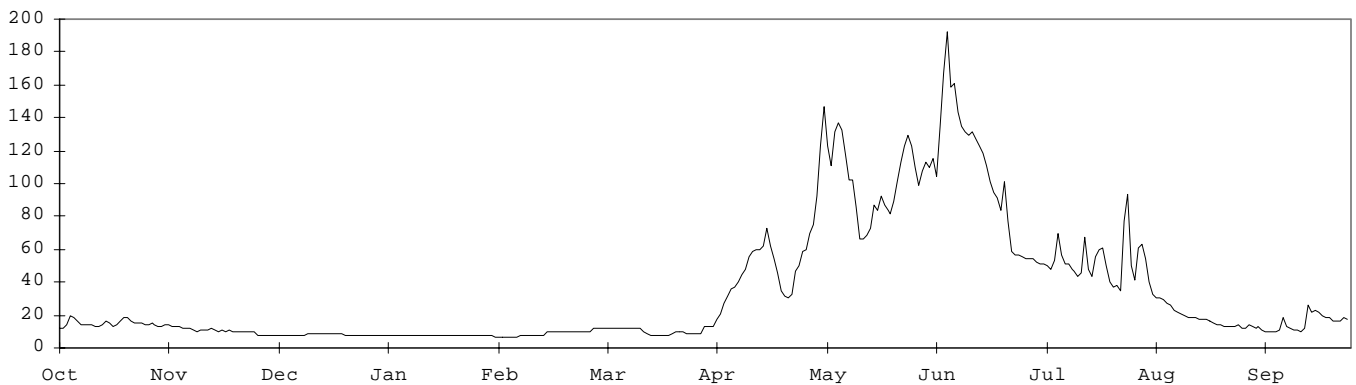
**GAGE.**--Graphic water-stage recorder. Altitude of gage is 8,045 ft, from topographic map.

**RATING TABLE.**--UTEFTGCO17 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	14	8.0	7.4	7.0	12	13	70	99	54	41	12
2	12	13	8.0	7.4	7.0	12	13	75	108	54	61	14
3	14	13	8.0	7.4	7.0	12	13	92	113	54	63	13
4	20	13	8.0	7.4	7.0	12	13	123	110	52	54	12
5	18	12	8.0	7.4	7.0	12	17	147	115	51	40	13
6	16	12	8.0	7.4	7.0	12	21	123	104	51	33	11
7	14	12	8.0	7.4	7.0	12	27	111	135	50	30	10
8	14	11	8.0	7.4	8.0	12	32	131	167	48	30	10
9	14	9.6	8.0	7.4	8.0	12	36	137	192	53	29	9.9
10	14	11	8.4	7.2	8.0	12	37	133	159	70	27	9.6
11	13	11	8.4	7.2	8.0	12	40	117	161	56	26	11
12	13	11	8.4	7.2	8.0	12	45	102	143	51	23	18
13	14	12	8.4	7.2	8.0	12	48	102	135	51	22	13
14	16	11	8.4	7.2	8.0	12	55	86	131	48	21	12
15	15	10	8.4	7.2	8.0	9.6	59	66	129	47	20	11
16	13	11	8.4	7.2	10	8.4	60	66	131	44	19	11
17	14	10	8.4	7.2	10	8.0	60	68	127	46	18	10
18	16	11	8.4	8.0	10	8.0	62	73	123	67	18	12
19	19	10	8.4	8.0	10	8.1	73	87	119	48	17	26
20	18	9.6	8.4	8.0	10	8.0	62	84	111	44	17	22
21	16	9.6	7.6	8.0	10	8.0	54	92	101	55	17	23
22	15	9.6	7.6	8.0	10	7.8	46	87	95	60	16	22
23	15	9.6	7.6	8.0	10	8.6	35	84	91	61	15	20
24	15	10	7.6	8.0	10	9.8	32	81	84	50	14	18
25	14	9.3	7.6	8.0	10	9.6	30	89	101	40	14	18
26	14	7.8	7.6	8.0	10	10	33	101	77	37	13	16
27	15	7.8	7.6	8.0	10	8.7	47	113	59	38	13	16
28	14	7.8	7.6	8.0	10	8.4	50	123	56	35	13	16
29	13	7.8	7.6	8.0	---	8.2	59	129	56	77	13	19
30	13	7.8	7.6	8.0	---	8.2	60	123	55	94	14	17
31	14	---	7.6	8.0	---	8.2	---	110	---	50	12	---
TOTAL	457	314.3	248.0	236.2	243.0	313.6	1232	3125	3387	1636	763	445.5
MEAN	14.7	10.5	8.00	7.62	8.68	10.1	41.1	101	113	52.8	24.6	14.9
AC-FT	906	623	492	469	482	622	2440	6200	6720	3240	1510	884
MAX	20	14	8.4	8.0	10	12	73	147	192	94	63	26
MIN	12	7.8	7.6	7.2	7.0	7.8	13	66	55	35	12	9.6
CAL YR 1984 TOTAL		8945.4	MEAN	24.4	MAX	149	MIN	7.0	AC-FT	17740		
WTR YR 1985 TOTAL		12400.6	MEAN	34.0	MAX	192	MIN	7.0	AC-FT	24600		

MAX DISCH 225 CFS AT 0230 09-JUN-1985 GH 3.13 FT. SHIFT +0.07 FT. MAX GH 3.13 FT. AT 0230 09-JUN-1985



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO (1986)

LOCATION.--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

DRAINAGE AREA.--32 mi<sup>2</sup>.

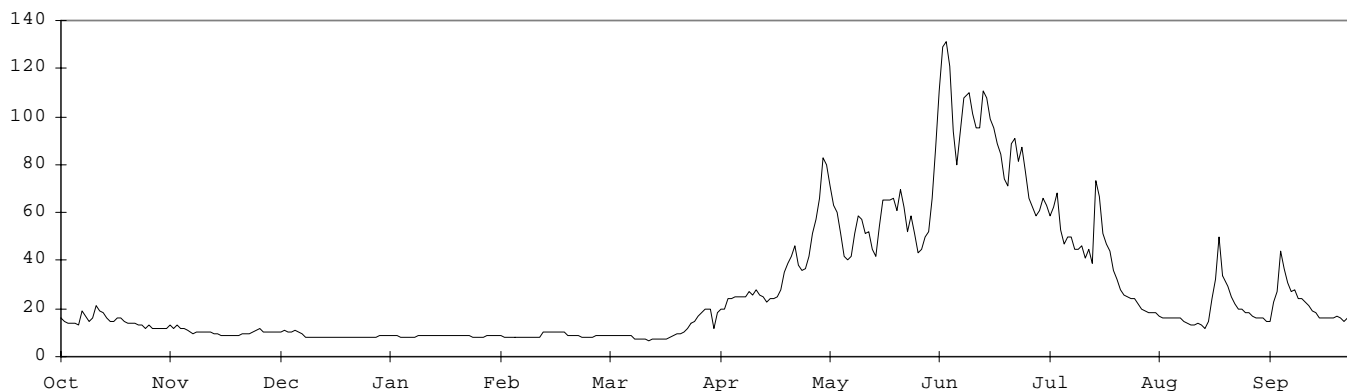
GAGE.--Graphic water-stage recorder. Altitude of gage is 8,045 ft, from topographic map.

RATING TABLE.--UTEFTGCO17 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	13	10	8.6	9.0	8.6	20	51	45	66	22	18
2	15	12	10	8.6	9.0	8.6	20	57	50	62	20	17
3	14	13	11	8.6	8.4	8.6	12	66	52	59	19	16
4	14	12	10	8.6	8.4	8.6	18	83	66	61	18	16
5	14	12	10	8.4	8.4	8.6	20	80	87	66	18	16
6	13	11	11	8.4	8.4	8.6	20	71	111	63	18	15
7	19	9.6	9.9	8.4	8.4	8.5	24	63	129	59	17	15
8	17	10	9.6	8.4	8.4	8.5	24	60	131	62	16	23
9	15	10	8.4	8.4	8.2	8.5	25	51	121	68	16	27
10	16	9.9	7.8	8.6	8.2	8.5	25	42	94	53	16	44
11	21	10	7.8	8.6	8.2	8.5	25	40	80	47	16	37
12	19	10	7.8	8.6	8.2	7.5	25	42	94	50	16	31
13	18	9.5	7.8	8.6	8.2	7.3	27	51	108	50	16	27
14	16	9.5	7.8	8.6	10	7.3	26	59	110	45	15	28
15	15	8.5	7.8	8.6	10	7.0	28	57	101	45	14	24
16	15	8.5	7.8	8.8	10	6.8	26	51	95	46	13	24
17	16	8.5	7.8	8.8	10	7.5	25	52	95	41	13	23
18	16	8.5	8.2	8.8	10	7.0	23	45	111	45	14	21
19	15	8.5	8.2	8.8	10	7.0	24	42	108	39	13	19
20	14	8.5	8.2	8.8	10	7.0	24	54	99	73	12	18
21	14	9.5	8.2	8.8	9.0	7.0	25	65	95	67	15	16
22	14	9.5	8.2	8.8	9.0	8.4	28	65	89	51	24	16
23	13	9.5	8.2	8.8	9.0	9.0	35	65	84	47	32	16
24	13	10	8.4	8.8	9.0	9.3	39	66	74	44	50	16
25	12	11	8.4	8.4	8.4	9.6	42	61	71	36	34	16
26	13	12	8.4	8.4	8.4	10	46	70	89	32	29	17
27	12	10	8.4	8.4	8.4	12	38	62	91	28	25	16
28	12	10	8.4	8.4	8.4	14	36	52	81	26	22	15
29	12	10	8.4	9.0	---	15	37	59	87	25	20	16
30	12	10	8.6	9.0	---	17	42	51	77	24	20	16
31	12	---	8.6	9.0	---	18	---	43	---	24	18	---
TOTAL	457	304.0	269.1	267.8	249.0	287.8	829	1776	2725	1504	611	619
MEAN	14.7	10.1	8.68	8.64	8.89	9.28	27.6	57.3	90.8	48.5	19.7	20.6
AC-FT	906	603	534	531	494	571	1640	3520	5410	2980	1210	1230
MAX	21	13	11	9.0	10	18	46	83	131	73	50	44
MIN	12	8.5	7.8	8.4	8.2	6.8	12	40	45	24	12	15
CAL YR 1985 TOTAL	12411.4		MEAN	34.0	MAX	192	MIN	7.0	AC-FT	24620		
WTR YR 1986 TOTAL	9898.7		MEAN	27.1	MAX	131	MIN	6.8	AC-FT	19630		

MAX DISCH 161 CFS AT 2330 06-JUN-1986 GH 2.85 FT. SHIFT +0.08 FT. MAX GH 2.85 FT. AT 2330 06-JUN-1986



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO (1987)

**LOCATION.**--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

**DRAINAGE AREA.**--32 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,045 ft, from topographic map.

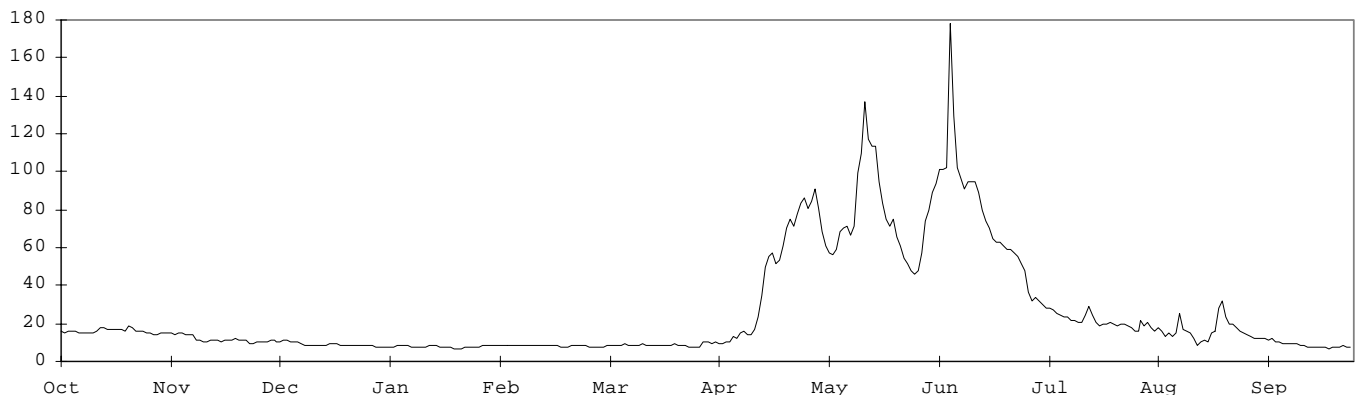
**RATING TABLE.**--UTEFTGCO17 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	15	10	7.8	8.4	7.4	9.9	84	57	37	16	14
2	15	14	10	7.8	8.4	7.4	9.9	91	74	32	22	13
3	16	15	11	7.8	8.4	7.8	9.6	81	80	34	19	12
4	16	15	11	8.2	8.4	8.0	9.9	68	89	32	21	12
5	16	14	10	8.2	8.0	8.2	9.3	61	94	30	18	12
6	15	14	10	8.2	8.0	8.4	9.3	57	101	28	16	12
7	15	14	9.9	8.2	8.0	8.6	9.9	56	101	28	18	11
8	15	11	9.8	7.4	8.0	8.8	10	59	102	27	16	12
9	15	11	8.4	7.4	8.0	9.0	13	68	178	25	13	10
10	15	10	8.0	7.4	8.0	8.6	12	70	129	24	15	9.9
11	16	10	8.2	7.8	8.6	8.4	15	71	102	23	13	9.6
12	18	11	8.4	7.8	8.6	8.6	16	67	97	23	15	9.6
13	18	11	8.4	8.0	8.6	8.8	14	71	91	22	25	9.0
14	17	11	8.6	8.0	8.6	9.2	14	99	95	22	17	9.3
15	17	10	8.6	8.0	8.2	8.8	17	110	95	21	16	9.3
16	17	11	9.0	7.4	8.2	8.4	23	137	95	21	15	8.7
17	17	11	9.0	7.4	8.2	8.4	35	117	89	24	12	8.1
18	17	11	9.2	7.4	8.2	8.8	50	113	80	29	8.1	7.8
19	16	12	8.6	7.4	7.4	8.8	55	113	74	24	10	7.5
20	19	11	8.6	6.8	7.4	8.2	57	95	70	21	11	7.5
21	18	11	8.8	6.8	7.4	8.7	52	83	65	19	10	7.5
22	16	11	8.4	6.8	8.0	8.4	53	75	63	20	15	7.8
23	16	9.5	8.4	7.4	8.0	9.0	61	71	63	20	16	7.5
24	16	9.0	8.6	7.4	8.0	8.7	70	75	61	21	28	7.0
25	15	10	8.4	7.8	8.0	8.7	75	66	59	20	32	7.3
26	15	10	8.0	7.8	8.0	8.1	71	61	59	19	23	7.3
27	14	10	8.0	7.8	7.2	7.5	78	54	57	20	20	7.5
28	14	10	8.0	8.2	7.2	7.2	83	52	55	20	20	8.4
29	15	11	7.8	8.2	---	7.2	86	48	52	19	18	7.5
30	15	11	7.8	8.2	---	7.8	81	46	48	18	16	7.5
31	15	---	7.8	8.2	---	10	---	48	---	16	15	---
TOTAL	495	344.5	274.7	239.0	225.4	259.9	1108.8	2367	2475	739	529.1	279.6
MEAN	16.0	11.5	8.86	7.71	8.05	8.38	37.0	76.4	82.5	23.8	17.1	9.32
AC-FT	982	683	545	474	447	516	2200	4690	4910	1470	1050	555
MAX	19	15	11	8.2	8.6	10	86	137	178	37	32	14
MIN	14	9.0	7.8	6.8	7.2	7.2	9.3	46	48	16	8.1	7.0

CAL YR 1986 TOTAL 9982.8 MEAN 27.4 MAX 131 MIN 6.8 AC-FT 19800  
WTR YR 1987 TOTAL 9337.0 MEAN 25.6 MAX 178 MIN 6.8 AC-FT 18520

MAX DISCH 230 CFS AT 0700 09-JUN-1987 GH 3.04 FT. SHIFT +0.18 FT. MAX GH 3.04 FT. AT 0700 09-JUN-1987



## RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO (1988)

**LOCATION.**--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

**DRAINAGE AREA.**--32 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,045 ft, from topographic map.

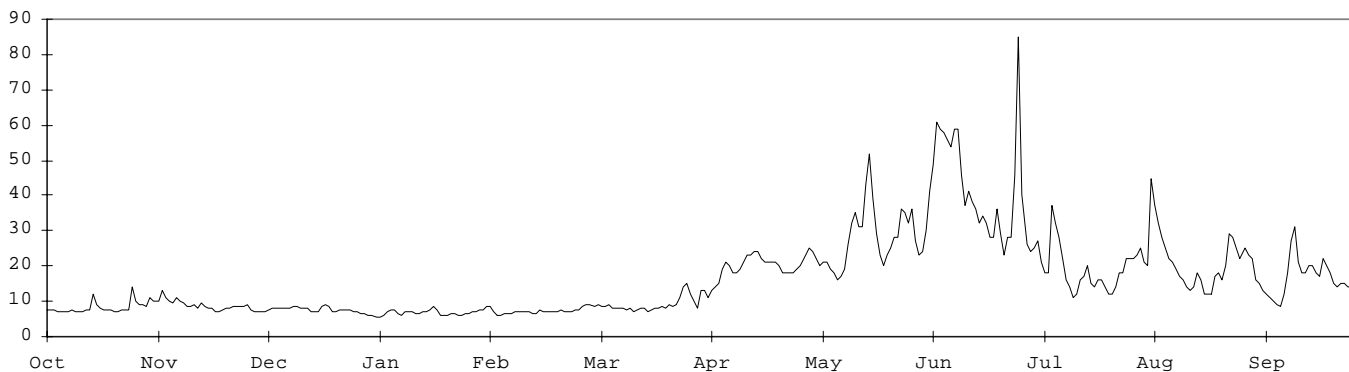
**RATING TABLE.**--UTEFTGCO17 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	9.9	7.2	5.6	8.4	9.0	13	25	23	26	23	23
2	7.3	13	7.6	5.6	8.4	8.4	13	24	24	24	25	22
3	7.3	11	7.8	6.0	7.2	8.8	11	22	30	25	21	16
4	7.0	9.9	8.0	6.8	6.2	8.4	13	20	41	27	20	15
5	7.0	9.6	8.2	7.6	6.2	8.4	14	21	49	21	45	13
6	7.0	11	8.0	7.6	6.6	8.8	15	21	61	18	37	12
7	7.0	10	8.0	6.4	6.4	8.0	19	19	59	18	32	11
8	7.3	9.6	8.0	6.2	6.6	8.0	21	18	58	37	28	9.9
9	7.0	8.7	8.4	6.8	7.0	8.2	20	16	56	32	25	9.0
10	7.0	8.7	8.4	6.8	7.2	8.0	18	17	54	28	22	8.7
11	7.0	9.0	8.0	6.8	6.8	7.6	18	19	59	22	21	12
12	7.3	8.1	8.0	6.4	6.8	7.8	19	26	59	16	19	18
13	7.5	9.6	8.0	6.4	6.8	7.2	21	32	46	14	17	27
14	12	8.7	6.8	6.8	6.6	7.6	23	35	37	11	16	31
15	9.3	8.1	6.8	7.0	6.6	8.0	23	31	41	12	14	21
16	8.1	8.0	7.0	7.6	7.6	8.0	24	31	38	16	13	18
17	7.5	7.2	8.4	8.4	7.2	7.2	24	43	36	17	14	18
18	7.3	7.2	8.8	7.6	6.8	7.6	22	52	32	20	18	20
19	7.3	7.6	8.4	6.0	6.8	8.0	21	39	34	15	16	20
20	7.0	8.0	6.8	6.0	7.0	8.0	21	29	32	14	12	18
21	7.0	8.0	6.8	6.0	7.2	8.6	21	23	28	16	12	17
22	7.3	8.4	7.6	6.4	7.4	8.1	21	20	28	16	12	22
23	7.5	8.4	7.6	6.4	7.2	9.0	20	23	36	14	17	20
24	7.5	8.4	7.6	6.0	7.2	8.7	18	25	29	12	18	18
25	14	8.4	7.6	6.0	7.2	8.8	18	28	23	12	16	15
26	10	8.8	7.2	6.4	7.6	11	18	28	28	14	20	14
27	9.3	7.6	6.8	6.4	7.6	14	18	36	28	18	29	15
28	9.0	7.2	6.4	6.8	8.4	15	19	35	46	18	28	15
29	8.7	7.2	6.4	7.2	8.8	12	20	32	85	22	25	14
30	11	7.2	6.0	7.6	---	10	22	36	40	22	22	14
31	9.9	---	6.0	7.6	---	8.1	---	27	---	22	25	---
TOTAL	252.9	262.5	232.6	207.2	207.8	274.3	568	853	1240	599	662	506.6
MEAN	8.16	8.75	7.50	6.68	7.17	8.85	18.9	27.5	41.3	19.3	21.4	16.9
AC-FT	502	521	461	411	412	544	1130	1690	2460	1190	1310	1000
MAX	14	13	8.8	8.4	8.8	15	24	52	85	37	45	31
MIN	7.0	7.2	6.0	5.6	6.2	7.2	11	16	23	11	12	8.7

CAL YR 1987 TOTAL 8970.8 MEAN 24.6 MAX 178 MIN 6.0 AC-FT 17790  
WTR YR 1988 TOTAL 5865.9 MEAN 16.0 MAX 85 MIN 5.6 AC-FT 11640

MAX DISCH 145 CFS AT 0300 29-JUN-1988 GH 2.77 FT. SHIFT +0.08 FT. MAX GH 2.77 FT. AT 0300 29-JUN-1988



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO (1989)

**LOCATION.**--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

**DRAINAGE AREA.**--32 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,045 ft, from topographic map.

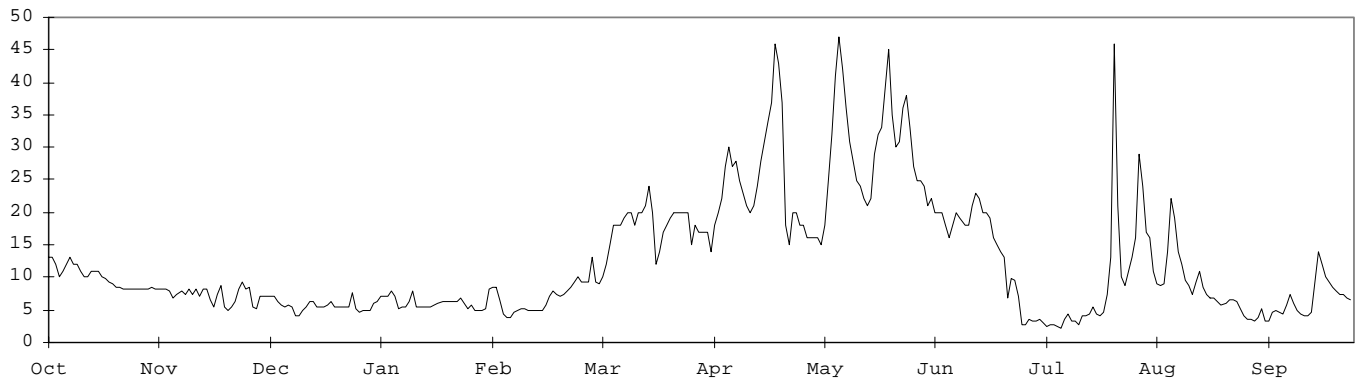
**RATING TABLE.**--UTEFTGCO17 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	8.1	7.0	6.2	8.2	9.4	17	16	25	2.6	16	3.6
2	13	8.1	7.0	7.2	8.4	13	17	16	25	3.5	29	3.5
3	12	8.1	7.0	7.2	8.4	9.4	17	16	24	3.2	24	3.4
4	10	7.8	6.4	7.2	6.6	9.0	14	16	21	3.4	17	3.8
5	11	6.8	5.7	7.8	4.5	10	18	15	22	3.6	16	5.1
6	12	7.3	5.4	7.0	3.7	12	20	18	20	2.9	11	3.4
7	13	7.8	5.7	5.2	3.8	15	22	25	20	2.5	9.0	3.4
8	12	7.5	5.4	5.6	4.6	18	27	32	20	2.7	8.7	4.7
9	12	8.1	4.2	5.6	4.9	18	30	41	18	2.6	9.0	4.8
10	11	7.3	4.0	6.2	5.2	18	27	47	16	2.5	14	4.7
11	10	8.1	5.0	7.8	5.2	19	28	42	18	2.3	22	4.3
12	10	7.0	5.6	5.4	4.8	20	25	36	20	3.5	19	5.7
13	11	8.1	6.4	5.6	4.9	20	23	31	19	4.3	14	7.5
14	11	8.1	6.4	5.6	4.8	18	21	28	18	3.2	12	6.1
15	11	6.6	5.6	5.6	4.8	20	20	25	18	3.2	9.6	5.0
16	10	5.4	5.4	5.6	4.8	20	21	24	21	2.7	8.7	4.5
17	9.9	7.4	5.4	5.8	5.8	21	24	22	23	4.1	7.3	4.1
18	9.3	8.7	5.8	6.0	7.0	24	28	21	22	4.0	9.3	4.0
19	9.0	5.4	6.4	6.2	8.0	20	31	22	20	4.5	11	4.7
20	8.4	4.8	5.4	6.2	7.4	12	34	29	20	5.4	8.4	9.3
21	8.4	5.4	5.4	6.2	7.0	14	37	32	19	4.5	7.5	14
22	8.1	6.2	5.4	6.2	7.4	17	46	33	16	4.1	6.8	12
23	8.1	8.1	5.4	6.2	8.0	18	43	39	15	4.7	6.8	10
24	8.1	9.3	5.4	6.8	8.6	19	37	45	14	7.5	6.4	9.3
25	8.1	8.1	7.6	6.0	9.4	20	18	35	13	13	5.7	8.4
26	8.1	8.4	5.2	5.2	10	20	15	30	6.8	46	5.9	7.8
27	8.1	5.4	4.6	5.8	9.2	20	20	31	9.9	21	6.6	7.5
28	8.1	5.2	5.0	4.8	9.4	20	20	36	9.6	10	6.6	7.3
29	8.1	7.2	5.0	4.9	---	20	18	38	7.2	8.7	6.4	6.8
30	8.4	7.2	5.0	5.0	---	15	18	33	2.6	11	5.2	6.6
31	8.1	---	6.0	5.2	---	18	---	27	---	13	4.0	---
TOTAL	308.3	217.0	175.2	187.3	184.8	526.8	736	901	523.1	210.2	342.9	185.3
MEAN	9.95	7.23	5.65	6.04	6.60	17.0	24.5	29.1	17.4	6.78	11.1	6.18
AC-FT	612	430	348	372	367	1040	1460	1790	1040	417	680	368
MAX	13	9.3	7.6	7.8	10	24	46	47	25	46	29	14
MIN	8.1	4.8	4.0	4.8	3.7	9.0	14	15	2.6	2.3	4.0	3.4

CAL YR 1988 TOTAL 5818.4 MEAN 15.9 MAX 85 MIN 4.0 AC-FT 11540  
WTR YR 1989 TOTAL 4497.9 MEAN 12.3 MAX 47 MIN 2.3 AC-FT 8920

MAX DISCH 70 CFS AT 1015 26-JUL-1989 GH 2.25 FT. SHIFT +0.17 FT. MAX GH 2.25 FT. AT 1015 26-JUL-1989



## RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO (1990)

**LOCATION.**--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

**DRAINAGE AREA.**--32 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,045 ft, from topographic map.

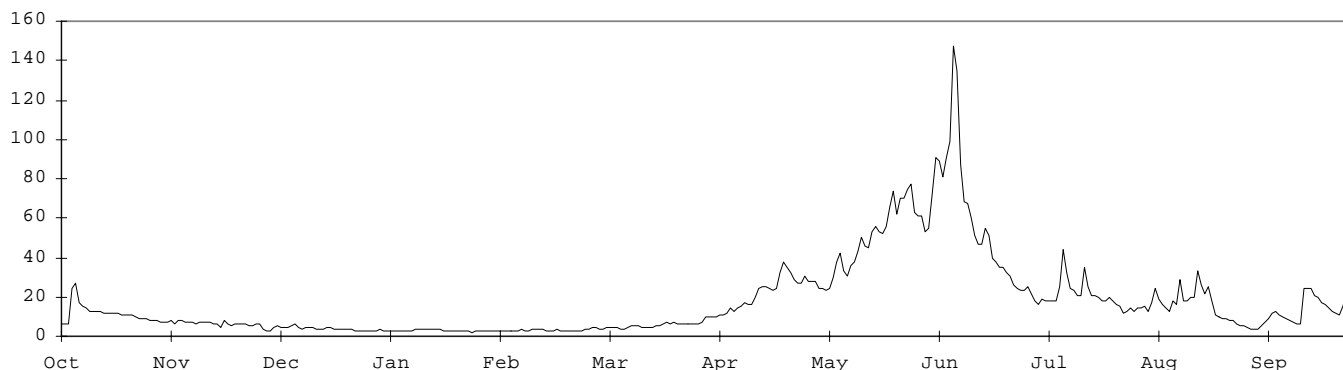
**RATING TABLE.**--UTEFTGCO17 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	8.4	5.7	2.6	2.9	4.1	9.7	28	61	25	14	4.3
2	6.1	6.1	4.8	2.6	2.9	3.6	9.6	28	53	22	14	3.8
3	6.1	8.1	4.8	2.5	2.7	3.6	9.9	24	55	18	15	3.8
4	24	8.1	4.8	2.5	2.6	4.3	9.9	24	73	16	13	3.8
5	27	7.3	5.7	2.5	2.8	4.9	11	23	91	19	17	5.0
6	17	7.3	5.9	2.3	2.8	4.3	11	24	89	18	24	7.5
7	15	7.0	4.6	2.4	2.8	4.3	12	30	81	18	19	9.3
8	14	6.1	3.8	2.6	3.6	4.0	14	38	91	18	16	12
9	13	7.5	4.7	3.4	2.7	4.0	13	42	99	18	14	13
10	13	6.8	4.8	3.5	2.7	4.5	14	33	147	25	13	11
11	13	6.8	4.7	3.5	3.6	5.6	15	31	135	44	18	9.9
12	13	6.8	3.4	3.6	3.8	5.4	17	36	87	32	16	9.0
13	12	6.6	3.4	3.5	4.0	5.4	16	38	68	24	29	8.4
14	12	6.4	3.5	3.5	3.7	4.7	16	43	67	23	18	7.0
15	12	4.5	4.3	3.6	2.7	4.7	20	50	60	21	18	6.6
16	12	7.8	4.3	3.3	2.4	4.9	24	46	51	21	20	6.6
17	12	6.6	3.4	2.8	2.4	4.8	25	45	47	35	20	24
18	11	5.2	3.5	2.8	3.2	5.5	25	53	47	25	33	24
19	11	6.1	3.6	2.8	3.0	5.4	24	56	55	21	26	24
20	11	6.6	3.7	3.1	3.0	6.4	23	53	51	21	22	21
21	11	6.6	3.6	2.5	2.9	6.8	24	52	40	20	25	20
22	9.9	5.9	3.6	2.5	2.9	6.1	32	56	38	18	18	17
23	9.3	5.4	2.9	2.5	3.0	6.8	38	66	35	18	11	16
24	9.0	5.2	3.1	2.8	3.0	6.1	35	74	35	20	10	14
25	9.0	6.1	2.8	2.2	3.0	6.4	32	62	32	18	9.3	13
26	8.4	5.9	2.7	2.6	3.3	6.1	29	70	31	16	8.7	12
27	7.8	3.6	2.7	2.9	3.4	6.6	27	70	26	15	8.1	11
28	8.4	3.1	2.6	2.4	4.1	6.6	27	75	24	12	8.1	15
29	7.1	3.0	2.9	2.7	---	6.1	31	77	23	13	6.1	22
30	7.3	4.5	3.2	2.8	---	5.9	28	63	23	14	5.4	21
31	7.3	---	2.6	2.8	---	6.9	---	61	---	13	5.0	---
TOTAL	354.8	185.4	120.1	88.1	85.9	164.8	622.1	1471	1815	641	493.7	375.0
MEAN	11.4	6.18	3.87	2.84	3.07	5.32	20.7	47.5	60.5	20.7	15.9	12.5
AC-FT	704	368	238	175	170	327	1230	2920	3600	1270	979	744
MAX	27	8.4	5.9	3.6	4.1	6.9	38	77	147	44	33	24
MIN	6.1	3.0	2.6	2.2	2.4	3.6	9.6	23	23	12	5.0	3.8

CAL YR 1989 TOTAL 4457.7 MEAN 12.2 MAX 47 MIN 2.3 AC-FT 8840  
WTR YR 1990 TOTAL 6416.9 MEAN 17.6 MAX 147 MIN 2.2 AC-FT 12730

MAX DISCH 180 CFS AT 1800 10-JUN-1990 GH 2.93 FT. SHIFT +0.09 FT. MAX GH 2.93 FT. AT 1800 10-JUN-1990



## RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO (1983)

**LOCATION.**--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

**DRAINAGE AREA.**--396 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Flows regulated by Smith Reservoir.

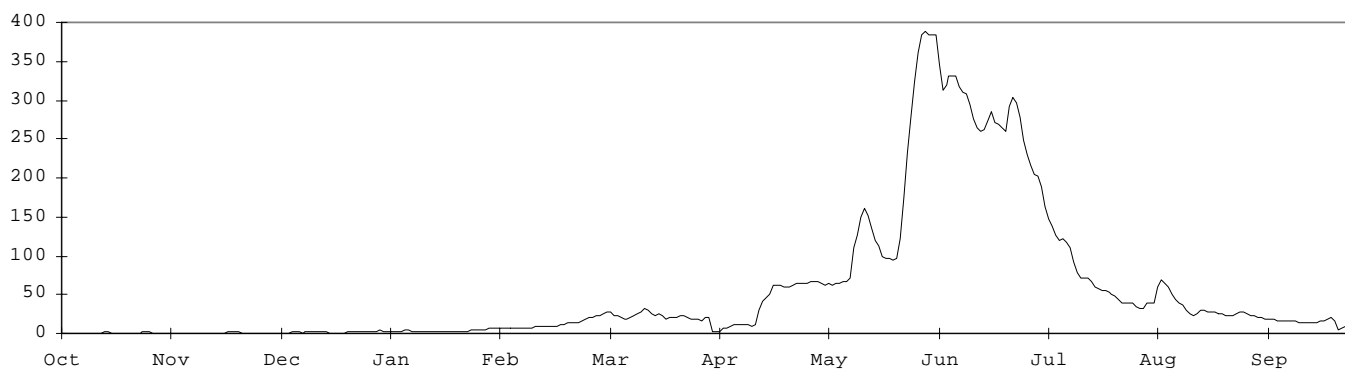
**RATING TABLE.**--TRISMICO09 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.0	1.0	3.3	6.6	23	21	66	385	231	35	25
2	1.0	1.0	1.0	3.0	7.0	24	21	67	389	216	33	24
3	1.0	1.0	1.0	3.0	7.0	26	2.1	67	385	204	33	22
4	1.0	1.0	1.0	3.0	7.4	27	2.1	65	383	203	38	21
5	1.0	1.0	1.2	3.3	7.4	27	2.3	63	383	189	39	20
6	1.0	0.80	1.2	3.6	7.4	24	6.2	64	345	163	39	19
7	1.0	1.0	1.2	3.6	7.8	22	7.0	63	313	146	60	19
8	1.0	0.50	1.0	3.3	7.8	21	9.5	64	320	137	70	18
9	1.0	0.80	1.2	2.5	7.8	19	12	65	330	126	65	18
10	1.0	0.80	1.2	2.5	7.8	19	12	66	332	120	60	17
11	1.0	0.65	1.2	2.5	7.8	21	12	67	330	122	51	17
12	1.0	1.0	1.2	2.5	8.2	23	12	72	318	118	43	16
13	1.2	0.80	1.2	2.8	8.4	25	12	110	311	110	39	15
14	1.2	1.0	1.2	2.8	8.6	28	8.3	126	309	93	36	15
15	1.0	1.0	1.2	2.8	8.6	33	12	150	294	78	31	15
16	1.0	1.0	0.80	3.0	8.8	30	31	160	276	71	26	14
17	1.0	1.2	0.80	3.0	9.0	25	42	152	265	71	23	14
18	1.0	1.2	0.80	3.3	10	24	46	136	260	72	25	14
19	1.0	1.2	0.80	3.3	12	25	51	119	263	66	31	14
20	1.0	1.2	1.0	3.3	12	23	61	112	274	60	30	14
21	1.0	1.0	1.2	3.0	14	19	63	98	284	58	27	14
22	1.0	1.0	1.4	3.3	13	20	61	97	271	55	28	15
23	1.0	1.0	1.4	3.3	14	21	60	96	268	56	28	17
24	1.2	1.0	2.2	3.3	14	21	59	95	265	54	26	18
25	1.2	1.0	2.5	3.9	17	22	59	97	260	51	25	20
26	1.2	1.0	2.2	4.2	18	22	63	122	292	48	22	17
27	0.80	1.0	2.5	4.2	20	20	64	175	304	43	22	5.2
28	0.80	1.0	3.0	4.5	21	18	64	232	296	40	22	6.2
29	1.0	1.0	3.3	5.2	---	18	65	279	279	39	25	9.0
30	0.80	1.0	3.6	6.6	---	18	65	324	248	38	28	12
31	0.80	---	3.3	6.6	---	17	---	360	---	38	27	---
TOTAL	31.20	29.15	47.80	108.5	298.4	705	1005.5	3829	9232	3116	1087	484.4
MEAN	1.01	0.97	1.54	3.50	10.7	22.7	33.5	124	308	101	35.1	16.1
AC-FT	62	58	95	215	592	1400	1990	7590	18310	6180	2160	961
MAX	1.2	1.2	3.6	6.6	21	33	65	360	389	231	70	25
MIN	0.80	0.50	0.80	2.5	6.6	17	2.1	63	248	38	22	5.2

CAL YR 1982 TOTAL 1139.6 MEAN 3.12 MAX 16 MIN 0.35 AC-FT 2260  
WTR YR 1983 TOTAL 19973.95 MEAN 54.7 MAX 389 MIN 0.50 AC-FT 39620

MAX DISCH 397 CFS AT 2200 01-JUN-1983 GH 5.74 FT. SHIFT -0.65 FT. MAX GH 5.74 FT. AT 2200 01-JUN-1983



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO (1984)

**LOCATION.**--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

**DRAINAGE AREA.**--396 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Flows regulated by Smith Reservoir.

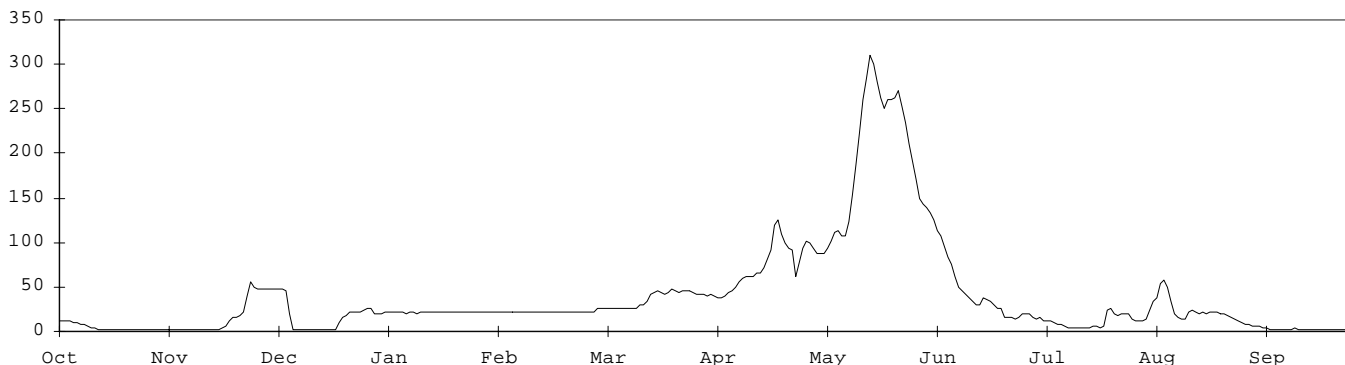
**RATING TABLE.**--TRISMICO09 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	1.8	47	21	22	25	40	94	143	20	11	7.2
2	12	1.8	47	21	22	25	41	88	139	15	12	6.6
3	12	1.8	47	21	22	25	39	87	133	14	14	5.4
4	11	1.8	46	21	22	25	38	88	125	15	24	5.1
5	10	1.8	19	21	22	25	38	93	113	11	33	4.7
6	9.5	1.8	2.7	21	22	25	39	102	108	11	37	3.5
7	8.6	1.8	2.7	20	22	25	43	112	96	11	53	2.9
8	7.0	1.8	2.7	21	22	25	45	113	84	9.2	58	2.9
9	5.8	1.8	2.7	21	22	25	49	107	75	8.2	50	2.9
10	4.5	1.8	2.7	20	22	25	55	108	61	7.4	33	2.9
11	3.9	1.8	2.7	21	22	25	59	123	49	5.1	19	2.9
12	2.5	1.8	2.7	21	22	25	62	153	45	4.0	16	2.9
13	2.5	2.0	2.7	21	22	30	61	186	42	3.8	14	2.5
14	2.5	2.2	2.7	22	22	30	62	222	38	3.8	13	3.3
15	2.5	2.5	2.7	21	22	34	65	260	33	3.5	22	2.2
16	2.5	3.1	2.7	21	22	41	66	285	30	3.8	24	1.8
17	2.5	5.6	2.7	21	22	44	71	310	30	4.4	22	1.8
18	2.5	11	2.9	21	22	46	82	300	38	4.7	20	1.8
19	2.5	16	10	21	22	43	92	280	36	6.4	21	1.6
20	2.5	16	16	21	22	42	120	262	34	5.1	20	1.6
21	2.5	18	18	21	22	43	126	250	30	4.9	21	1.6
22	2.5	21	21	21	22	48	110	260	25	5.6	22	1.6
23	2.5	40	21	21	22	45	99	260	25	23	22	1.6
24	2.5	56	22	21	22	44	94	262	16	25	20	1.6
25	2.5	49	22	21	22	45	92	270	16	19	19	1.8
26	2.5	48	24	21	22	46	62	252	16	18	17	1.8
27	2.5	47	25	21	22	46	78	235	14	19	15	1.8
28	2.5	47	26	21	22	43	94	211	16	19	13	2.0
29	2.5	47	20	21	22	42	102	190	19	19	11	1.8
30	2.5	47	20	21	---	41	100	171	19	14	9.2	1.6
31	2.5	---	20	21	---	41	---	149	---	11	7.9	---
TOTAL	146.3	500.0	506.3	650	638	1094	2124	5883	1648	343.9	693.1	83.7
MEAN	4.72	16.7	16.3	21.0	22.0	35.3	70.8	190	54.9	11.1	22.4	2.79
AC-FT	290	992	1000	1290	1270	2170	4210	11670	3270	682	1370	166
MAX	12	56	47	22	22	48	126	310	143	25	58	7.2
MIN	2.5	1.8	2.7	20	22	25	38	87	14	3.5	7.9	1.6

CAL YR 1983 TOTAL 21018.4 MEAN 57.6 MAX 389 MIN 1.8 AC-FT 41690  
WTR YR 1984 TOTAL 14310.3 MEAN 39.1 MAX 310 MIN 1.6 AC-FT 28380

MAX DISCH 315 CFS AT 1400 17-MAY-1984 GH 5.08 FT. SHIFT 0.00 FT. MAX GH 5.08 FT. AT 1400 17-MAY-1984



## RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO (1985)

**LOCATION.**--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

**DRAINAGE AREA.**--396 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Flows regulated by Smith Reservoir.

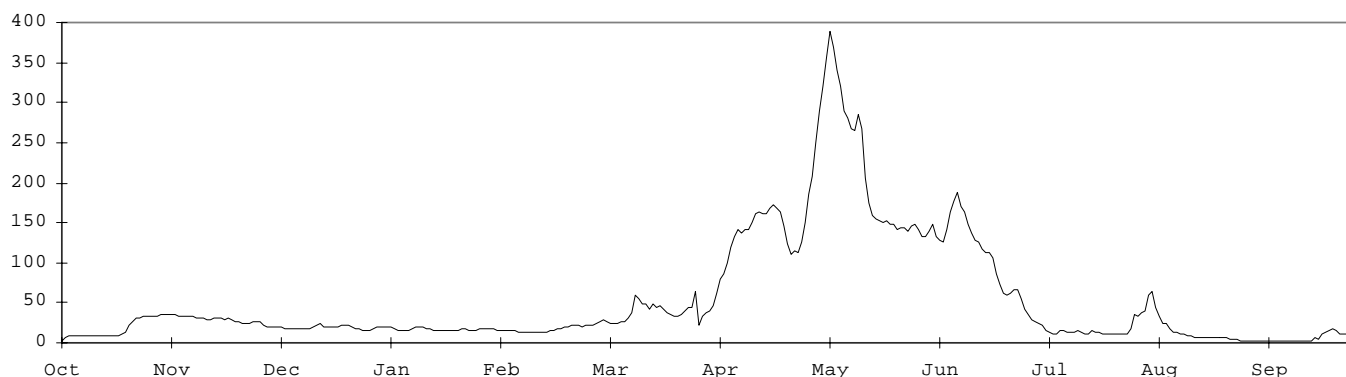
**RATING TABLE.**--TRISMICO10 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	36	19	20	16	25	37	208	133	36	34	2.0
2	6.0	36	19	19	16	27	40	250	133	28	37	2.0
3	8.9	34	18	17	15	28	46	290	139	26	40	2.0
4	9.2	34	18	16	15	27	62	320	149	24	59	2.0
5	8.9	34	18	16	15	25	80	356	132	21	64	2.0
6	8.9	33	18	16	15	25	87	389	128	16	45	2.0
7	8.9	33	17	16	14	25	100	368	126	13	33	2.0
8	8.9	30	17	18	14	26	120	341	141	11	25	2.0
9	8.9	31	17	19	14	27	132	320	163	10	24	2.0
10	8.9	30	18	20	14	30	141	290	177	15	18	1.8
11	8.9	28	19	19	14	38	137	280	188	15	14	1.8
12	8.9	29	21	18	14	60	141	268	171	14	13	1.8
13	8.9	30	24	17	14	56	141	265	163	14	12	1.8
14	8.9	30	19	16	14	48	151	285	149	14	11	2.0
15	8.9	30	20	16	14	48	161	268	137	15	9.2	2.0
16	8.9	29	20	16	16	41	163	206	128	14	8.2	2.5
17	8.9	32	20	16	16	49	161	175	125	11	7.7	2.2
18	10	29	20	16	17	45	161	159	118	12	7.2	2.5
19	14	27	21	16	18	47	169	155	113	15	6.9	3.3
20	21	27	22	16	19	41	173	153	112	14	6.9	7.6
21	27	25	22	16	20	37	169	151	105	14	6.9	5.1
22	30	24	20	17	21	36	163	153	87	12	6.6	10
23	32	25	18	17	23	34	145	149	72	12	6.4	14
24	34	27	17	16	21	34	123	147	61	12	6.4	16
25	34	27	16	16	20	35	110	141	60	12	5.6	18
26	34	27	16	16	21	40	116	143	62	11	5.6	16
27	34	22	16	17	22	45	112	143	67	11	5.1	12
28	34	20	18	18	23	45	125	139	66	11	5.1	10
29	35	20	20	18	---	64	151	145	55	12	5.1	11
30	35	20	20	18	---	22	186	149	43	18	3.3	10
31	35	---	20	17	---	34	---	141	---	35	1.8	---
TOTAL	550.4	859	588	529	475	1164	3803	6947	3503	498	533.0	169.4
MEAN	17.8	28.6	19.0	17.1	17.0	37.5	127	224	117	16.1	17.2	5.65
AC-FT	1090	1700	1170	1050	942	2310	7540	13780	6950	988	1060	336
MAX	35	36	24	20	23	64	186	389	188	36	64	18
MIN	1.6	20	16	16	14	22	37	139	43	10	1.8	1.8

CAL YR 1984 TOTAL 15155.1 MEAN 41.4 MAX 310 MIN 1.6 AC-FT 30060  
WTR YR 1985 TOTAL 19618.8 MEAN 53.8 MAX 389 MIN 1.6 AC-FT 38910

MAX DISCH 395 CFS AT 0430 06-MAY-1985 GH 5.41 FT. SHIFT -0.06 FT. MAX GH 5.41 FT. AT 0430 06-MAY-1985



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO (1986)

**LOCATION.**--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

**DRAINAGE AREA.**--396 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Flows regulated by Smith Reservoir.

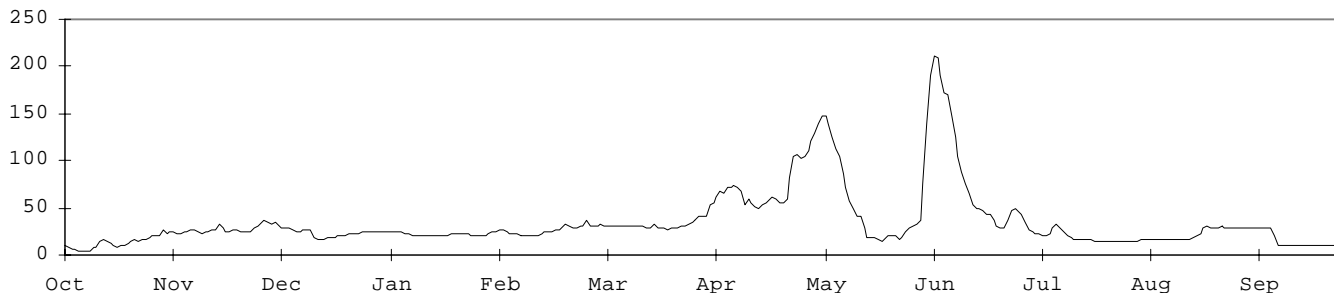
**RATING TABLE.**--TRISMICO10 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	24	30	24	25	30	41	110	33	43	15	29
2	7.7	22	29	24	26	30	42	120	37	34	15	29
3	6.6	23	28	24	27	33	54	130	76	27	14	29
4	6.1	25	28	24	25	31	55	139	139	25	16	29
5	4.7	25	27	24	22	30	61	147	190	23	16	29
6	4.2	27	25	22	23	30	68	147	211	22	16	29
7	3.1	26	25	23	22	31	66	139	208	21	16	29
8	5.1	25	26	21	20	30	72	126	190	21	17	29
9	7.4	22	27	20	21	30	72	113	173	23	17	29
10	8.6	25	27	20	20	30	74	105	171	29	17	29
11	15	25	19	21	20	31	72	87	147	32	17	21
12	16	26	17	21	20	31	67	71	125	28	17	11
13	14	26	17	21	21	31	54	58	105	24	17	11
14	12	32	17	21	23	30	59	50	88	21	17	11
15	10	29	18	21	25	30	55	40	75	18	17	11
16	9.2	25	19	21	25	29	52	41	66	16	16	11
17	10	25	19	21	25	29	49	28	53	16	16	11
18	10	26	20	21	27	32	54	18	50	16	16	11
19	12	27	20	22	27	29	56	19	50	16	18	11
20	15	24	21	22	31	28	59	18	47	16	20	11
21	16	24	22	22	33	28	62	16	44	16	22	11
22	15	24	22	22	30	27	59	15	43	15	29	11
23	16	25	23	22	28	28	56	17	36	15	30	11
24	17	28	23	22	28	28	56	20	31	15	29	11
25	19	31	25	21	30	29	60	20	28	15	29	11
26	20	35	25	21	31	30	82	20	28	15	29	11
27	21	36	25	21	36	31	104	16	36	15	30	11
28	21	34	25	21	30	33	107	18	47	15	29	11
29	26	32	24	21	---	35	102	25	50	14	29	11
30	22	34	24	22	---	37	105	28	48	14	29	11
31	24	---	24	24	---	42	---	31	---	15	29	---
TOTAL	403.3	812	721	677	721	953	1975	1932	2625	635	644	520
MEAN	13.0	27.1	23.3	21.8	25.8	30.7	65.8	62.3	87.5	20.5	20.8	17.3
AC-FT	800	1610	1430	1340	1430	1890	3920	3830	5210	1260	1280	1030
MAX	26	36	30	24	36	42	107	147	211	43	30	29
MIN	3.1	22	17	20	20	27	41	15	28	14	14	11

CAL YR 1985 TOTAL 19557.7 MEAN 53.6 MAX 389 MIN 1.8 AC-FT 38790  
WTR YR 1986 TOTAL 12618.3 MEAN 34.6 MAX 211 MIN 3.1 AC-FT 25030

MAX DISCH 215 CFS AT 1230 06-JUN-1986 GH 4.64 FT. SHIFT 0.04 FT. MAX GH 4.64 FT. AT 1230 06-JUN-1986



## RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO (1987)

**LOCATION.**--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

**DRAINAGE AREA.**--396 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Flows regulated by Smith Reservoir.

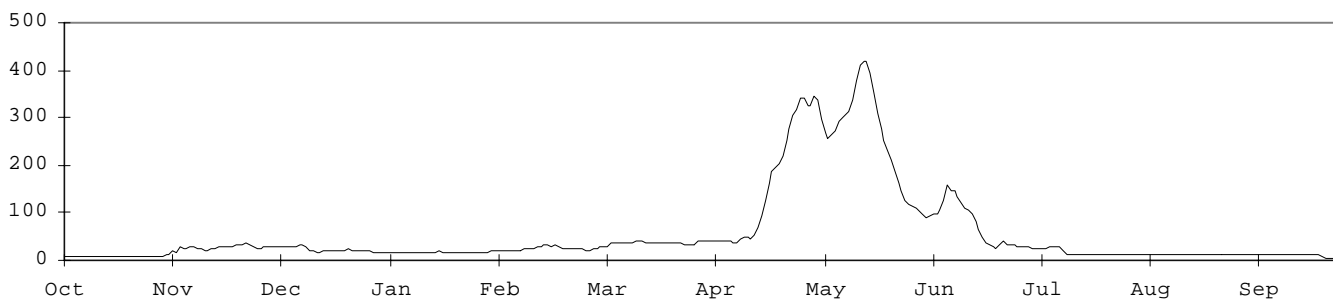
**RATING TABLE.**--TRISMICO10 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	21	29	16	20	24	39	325	108	30	13	13
2	10	18	28	16	20	24	39	326	103	28	13	13
3	10	30	27	16	21	28	42	346	97	27	13	13
4	10	23	27	16	21	28	42	336	89	26	13	13
5	10	25	29	16	22	28	41	296	92	26	13	13
6	10	27	30	16	22	36	41	268	96	26	14	13
7	10	27	32	16	22	36	41	256	99	26	14	13
8	10	25	31	16	22	36	40	263	105	26	14	13
9	10	25	30	16	23	36	41	273	125	27	14	12
10	10	22	22	16	24	36	38	291	157	27	14	12
11	10	22	20	16	25	36	35	300	145	27	13	12
12	10	23	18	16	25	36	45	305	147	27	13	12
13	10	25	18	16	27	40	49	313	133	21	13	12
14	10	27	19	16	29	40	47	338	120	12	13	12
15	9.6	27	20	17	31	40	46	380	110	12	13	12
16	9.7	28	21	19	32	38	52	410	105	12	13	12
17	9.6	28	21	18	30	38	68	420	98	12	13	12
18	10	28	22	18	32	38	94	417	82	11	13	12
19	10	31	22	18	30	38	125	395	65	11	13	12
20	10	34	22	16	26	36	161	352	49	11	13	12
21	10	33	23	16	25	36	188	309	38	11	13	12
22	10	36	22	16	24	36	195	278	31	11	13	12
23	10	31	21	16	25	36	202	253	27	13	13	12
24	10	27	21	16	26	36	218	230	24	14	13	12
25	10	26	21	16	26	36	252	211	33	14	13	7.6
26	10	26	20	16	26	36	278	186	39	14	13	2.9
27	10	27	19	17	22	34	305	164	33	14	13	2.9
28	10	28	18	17	22	34	317	146	31	14	13	2.5
29	10	28	18	18	---	34	340	128	31	14	13	2.2
30	11	30	17	18	---	34	343	118	30	14	13	2.0
31	14	---	17	19	---	39	---	112	---	13	13	---
TOTAL	313.9	808	705	515	700	1083	3764	8745	2442	571	408	316.1
MEAN	10.1	26.9	22.7	16.6	25.0	34.9	125	282	81.4	18.4	13.2	10.5
AC-FT	623	1600	1400	1020	1390	2150	7470	17350	4840	1130	809	627
MAX	14	36	32	19	32	40	343	420	157	30	14	13
MIN	9.6	18	17	16	20	24	35	112	24	11	13	2.0

CAL YR 1986 TOTAL 12508.9 MEAN 34.3 MAX 211 MIN 9.6 AC-FT 24810  
WTR YR 1987 TOTAL 20371.0 MEAN 55.8 MAX 420 MIN 2.0 AC-FT 40410

MAX DISCH 434 CFS AT 1400 17-MAY-1987 GH 5.62 FT. SHIFT -0.15 FT. MAX GH 5.62 FT. AT 1400 17-MAY-1987



## RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO (1988)

**LOCATION.**--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

**DRAINAGE AREA.**--396 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Flows regulated by Smith Reservoir.

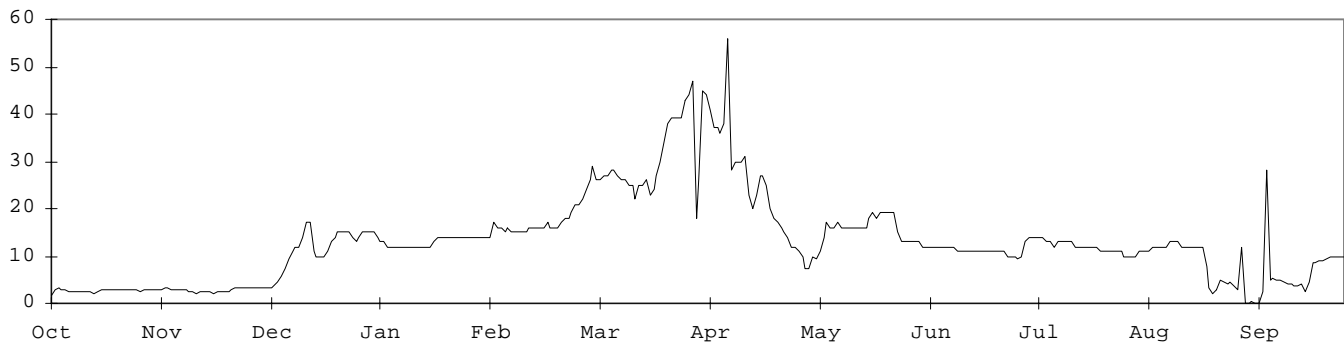
**RATING TABLE.**--TRISMIC011 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.9	3.1	14	14	26	26	7.4	13	10	10	12
2	2.7	3.1	3.3	13	14	29	45	7.4	13	13	10	0.07
3	3.1	3.1	3.5	13	17	26	44	9.6	12	14	11	0.11
4	2.9	2.9	4.4	12	16	26	41	9.2	12	14	11	0.47
5	2.7	2.7	5.9	12	16	27	37	11	12	14	11	0.16
6	2.5	2.7	7.4	12	15	27	37	14	12	14	11	0.04
7	2.5	2.7	9.2	12	16	28	36	17	12	14	12	2.4
8	2.5	2.7	11	12	15	28	38	16	12	13	12	28
9	2.5	2.5	12	12	15	27	56	16	12	13	12	4.9
10	2.5	2.5	12	12	15	26	28	17	12	12	12	5.4
11	2.5	2.2	14	12	15	26	30	16	12	13	12	5.1
12	2.5	2.5	17	12	15	25	30	16	12	13	13	4.9
13	2.2	2.5	17	12	16	25	30	16	11	13	13	4.4
14	2.5	2.5	11	12	16	22	31	16	11	13	13	4.2
15	2.7	2.5	10	12	16	25	23	16	11	13	12	4.0
16	2.7	2.2	9.6	12	16	25	20	16	11	12	12	3.8
17	2.9	2.5	10	13	16	26	23	16	11	12	12	3.8
18	2.9	2.5	11	14	17	23	27	16	11	12	12	4.0
19	2.9	2.5	13	14	16	24	27	18	11	12	12	2.5
20	2.7	2.5	14	14	16	27	25	19	11	12	12	4.3
21	2.8	2.7	15	14	16	30	20	18	11	12	12	8.6
22	2.9	3.1	15	14	17	34	18	19	11	12	7.9	8.6
23	2.9	3.1	15	14	18	38	17	19	11	11	3.1	8.9
24	2.7	3.1	15	14	18	39	16	19	11	11	2.2	8.9
25	2.7	3.1	14	14	19	39	15	19	11	11	2.9	9.2
26	2.5	3.1	13	14	21	39	14	19	11	11	4.9	9.6
27	2.7	3.1	14	14	21	39	12	15	10	11	4.4	10
28	2.7	3.3	15	14	22	43	12	13	10	11	4.0	10
29	2.7	3.3	15	14	24	44	11	13	10	11	4.4	9.6
30	2.7	3.1	15	14	---	47	9.6	13	9.2	10	3.8	9.6
31	2.7	---	15	14	---	18	---	13	---	10	3.0	---
TOTAL	82.2	83.2	359.4	405	488	928	798.6	469.6	339.2	377	287.6	187.55
MEAN	2.65	2.77	11.6	13.1	16.8	29.9	26.6	15.1	11.3	12.2	9.28	6.25
AC-FT	163	165	713	803	968	1840	1580	931	673	748	570	372
MAX	3.1	3.3	17	14	24	47	56	19	13	14	13	28
MIN	1.8	2.2	3.1	12	14	18	9.6	7.4	9.2	10	2.2	0.04

CAL YR 1987 TOTAL 19068.9 MEAN 52.2 MAX 420 MIN 1.8 AC-FT 37820  
WTR YR 1988 TOTAL 4805.35 MEAN 13.1 MAX 56 MIN 0.04 AC-FT 9530

MAX DISCH 155 CFS AT 1145 08-SEP-1988 GH 4.42 FT. SHIFT -0.02 FT. MAX GH 4.42 FT. AT 1145 08-SEP-1988



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO (1989)

**LOCATION.**--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

**DRAINAGE AREA.**--396 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Flows regulated by Smith Reservoir.

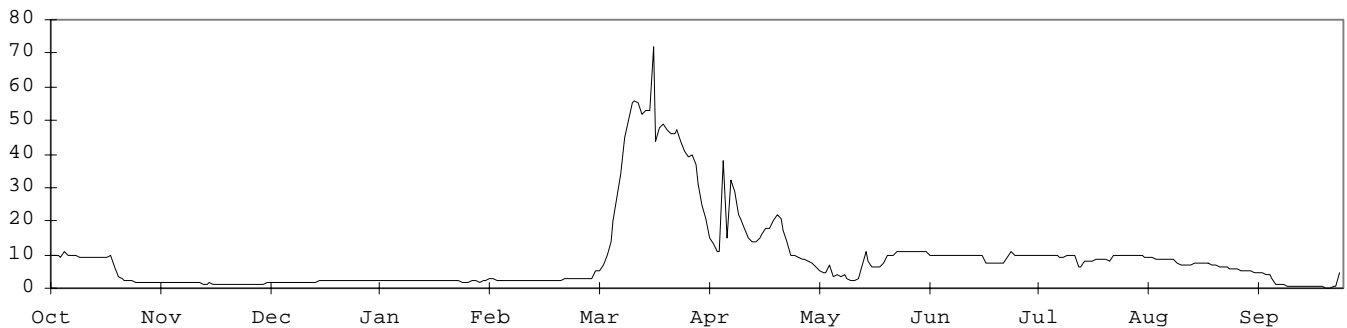
**RATING TABLE.**--TRISMIC011 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	1.8	1.5	2.2	2.2	2.7	37	8.9	11	9.6	10	5.6
2	9.6	1.8	1.5	2.2	2.7	2.7	31	8.9	11	9.6	10	5.4
3	9.6	1.8	1.7	2.2	2.7	3.1	25	8.2	11	9.6	10	5.4
4	9.2	1.7	1.7	2.2	2.5	5.1	21	7.7	11	10	10	5.1
5	11	1.5	1.7	2.2	2.2	5.1	15	6.1	11	10	10	4.9
6	9.6	1.5	1.8	2.2	2.5	6.9	13	5.4	10	10	9.2	4.7
7	9.6	1.5	1.8	2.2	2.5	9.6	11	4.7	10	9.6	9.2	4.4
8	9.6	1.5	2.0	2.2	2.5	14	11	4.4	10	9.6	9.2	4.4
9	9.2	1.7	2.0	2.2	2.2	20	38	6.8	10	9.6	8.9	4.2
10	9.2	1.7	2.0	2.2	2.2	27	15	3.3	10	9.6	8.9	4.0
11	9.2	1.7	2.0	2.2	2.2	34	32	3.8	10	10	8.9	2.7
12	9.2	1.5	1.8	2.5	2.2	45	29	3.5	10	10	8.9	1.3
13	9.2	1.4	1.8	2.5	2.2	50	22	3.8	10	9.2	8.9	1.1
14	9.2	1.4	2.0	2.5	2.2	55	21	3.1	9.6	9.2	8.6	1.1
15	9.2	1.5	2.0	2.5	2.2	56	18	2.5	9.6	9.6	7.2	0.71
16	9.2	1.4	2.2	2.5	2.2	55	15	2.2	9.6	9.6	6.9	0.54
17	9.2	1.4	2.2	2.5	2.2	52	14	2.7	9.6	9.6	6.9	0.54
18	9.6	1.4	2.2	2.5	2.2	53	14	7.0	9.6	6.6	6.9	0.62
19	6.4	1.1	2.2	2.5	2.2	53	15	11	10	6.4	6.9	0.62
20	3.3	1.1	2.2	2.5	2.5	72	16	8.2	9.6	8.2	7.2	0.62
21	2.9	1.0	2.2	2.5	2.5	44	18	6.4	9.6	8.2	7.2	0.54
22	2.5	1.0	2.2	2.5	2.5	48	18	6.4	7.4	8.2	7.4	0.47
23	2.2	1.0	2.2	2.5	2.7	49	20	6.4	7.4	8.6	7.2	0.33
24	2.2	1.0	2.2	2.2	2.7	47	22	7.2	7.4	8.6	7.2	0.33
25	2.0	1.0	2.2	2.0	2.7	46	21	10	7.4	8.6	6.9	0.33
26	1.8	1.0	2.2	2.0	2.7	46	17	10	7.4	8.6	6.9	0.27
27	1.8	1.1	2.2	2.0	2.7	47	14	10	7.4	8.2	6.6	0.27
28	1.7	1.1	2.2	2.2	2.7	44	10	11	9.2	9.6	6.6	0.33
29	1.8	1.4	2.2	2.2	---	41	10	11	11	10	6.1	0.33
30	1.8	1.4	2.2	2.0	---	39	9.2	11	10	10	5.9	4.4
31	1.8	---	2.2	2.2	---	40	---	11	---	10	5.9	---
TOTAL	202.4	41.4	62.5	71.0	67.7	1112.2	572.2	212.6	286.8	284.2	246.6	65.55
MEAN	6.53	1.38	2.02	2.29	2.42	35.9	19.1	6.86	9.56	9.17	7.95	2.19
AC-FT	401	82	124	141	134	2210	1130	422	569	564	489	130
MAX	11	1.8	2.2	2.5	2.7	72	38	11	11	10	10	5.6
MIN	1.7	1.0	1.5	2.0	2.2	2.7	9.2	2.2	7.4	6.4	5.9	0.27

CAL YR 1988 TOTAL 4586.85 MEAN 12.5 MAX 56 MIN 0.04 AC-FT 9100  
WTR YR 1989 TOTAL 3225.15 MEAN 8.84 MAX 72 MIN 0.27 AC-FT 6400

MAX DISCH 118 CFS AT 1130 20-MAR-1989 GH 4.20 FT. SHIFT 0.00 FT. MAX GH 4.20 FT. AT 1130 20-MAR-1989



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO (1990)

**LOCATION.**--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

**DRAINAGE AREA.**--396 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Flows regulated by Smith Reservoir.

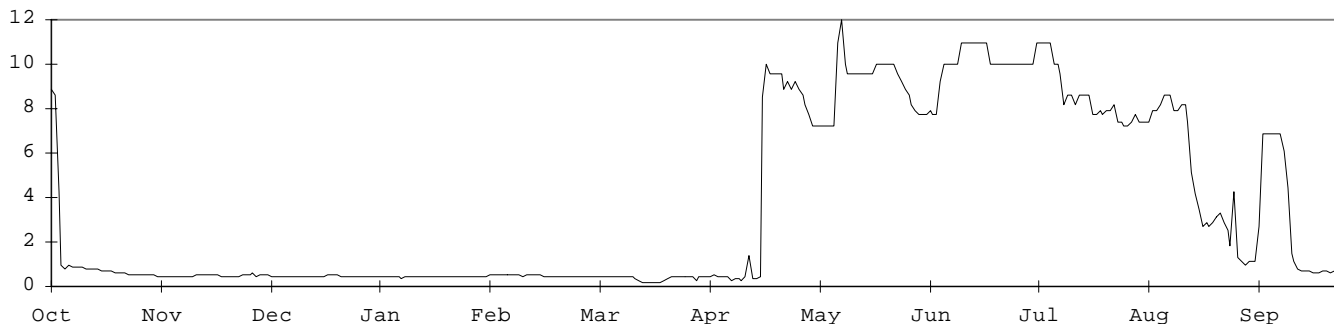
**RATING TABLE.**--TRISMIC011 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	0.40	0.54	0.47	0.47	0.47	0.27	8.6	8.2	10	7.2	1.3
2	8.6	0.40	0.47	0.40	0.54	0.47	0.40	8.2	7.9	10	7.4	1.1
3	4.3	0.40	0.47	0.47	0.54	0.47	0.40	7.7	7.7	10	7.7	1.0
4	1.0	0.40	0.47	0.47	0.54	0.47	0.40	7.2	7.7	10	7.4	1.1
5	0.81	0.40	0.47	0.40	0.54	0.47	0.40	7.2	7.7	10	7.4	1.1
6	1.0	0.40	0.47	0.40	0.54	0.40	0.54	7.2	7.9	11	7.4	1.1
7	0.91	0.40	0.47	0.40	0.54	0.40	0.40	7.2	7.7	11	7.4	2.7
8	0.91	0.47	0.47	0.33	0.54	0.40	0.40	7.2	7.7	11	7.9	6.9
9	0.91	0.47	0.47	0.40	0.54	0.40	0.40	7.2	9.2	11	7.9	6.9
10	0.91	0.47	0.47	0.40	0.54	0.40	0.47	7.2	10	11	8.2	6.9
11	0.81	0.54	0.47	0.40	0.47	0.40	0.27	11	10	10	8.6	6.9
12	0.81	0.54	0.47	0.40	0.54	0.40	0.33	12	10	10	8.6	6.9
13	0.81	0.54	0.47	0.40	0.54	0.40	0.33	10	10	9.6	8.6	6.9
14	0.81	0.54	0.47	0.47	0.54	0.40	0.27	9.6	10	8.2	7.9	6.1
15	0.71	0.54	0.47	0.47	0.54	0.33	0.40	9.6	11	8.6	7.9	4.4
16	0.71	0.54	0.47	0.47	0.54	0.27	1.4	9.6	11	8.6	8.2	1.5
17	0.71	0.54	0.47	0.47	0.47	0.21	0.33	9.6	11	8.2	8.2	1.1
18	0.71	0.47	0.54	0.47	0.47	0.21	0.33	9.6	11	8.6	7.4	0.81
19	0.62	0.47	0.54	0.47	0.47	0.21	0.40	9.6	11	8.6	5.1	0.71
20	0.62	0.40	0.54	0.47	0.47	0.21	8.5	9.6	11	8.6	4.2	0.71
21	0.62	0.47	0.54	0.47	0.47	0.21	10	9.6	11	8.6	3.5	0.71
22	0.62	0.47	0.47	0.47	0.47	0.21	9.6	10	11	7.7	2.7	0.62
23	0.54	0.47	0.47	0.47	0.47	0.27	9.6	10	10	7.7	2.9	0.62
24	0.54	0.54	0.47	0.47	0.47	0.33	9.6	10	10	7.9	2.7	0.62
25	0.54	0.54	0.47	0.40	0.47	0.40	9.6	10	10	7.7	2.9	0.71
26	0.54	0.54	0.47	0.40	0.47	0.40	8.9	10	10	7.9	3.1	0.71
27	0.54	0.62	0.47	0.40	0.47	0.40	9.2	10	10	7.9	3.3	0.62
28	0.54	0.47	0.47	0.40	0.47	0.47	8.9	9.6	10	8.2	2.9	0.71
29	0.54	0.54	0.47	0.40	---	0.47	9.2	9.2	10	7.4	2.5	0.62
30	0.54	0.54	0.47	0.40	---	0.40	8.9	8.9	10	7.4	1.8	0.62
31	0.47	---	0.47	0.40	---	0.40	---	8.6	---	7.2	4.3	---
TOTAL	41.60	14.53	14.92	13.31	14.14	11.35	110.14	281.0	289.7	279.6	183.2	72.69
MEAN	1.34	0.48	0.48	0.43	0.51	0.37	3.67	9.06	9.66	9.02	5.91	2.42
AC-FT	83	29	30	26	28	23	218	557	575	555	363	144
MAX	8.9	0.62	0.54	0.47	0.54	0.47	10	12	11	11	8.6	6.9
MIN	0.47	0.40	0.47	0.33	0.47	0.21	0.27	7.2	7.7	7.2	1.8	0.62

CAL YR 1989 TOTAL 2989.90 MEAN 8.19 MAX 72 MIN 0.27 AC-FT 5930  
WTR YR 1990 TOTAL 1326.18 MEAN 3.63 MAX 12 MIN 0.21 AC-FT 2630

MAX DISCH 87 CFS AT 1100 20-APR-1990 GH 4.01 FT. SHIFT -0.01 FT. MAX GH 4.01 FT. AT 1100 20-APR-1990



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO (1983)

**LOCATION.**--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

**DRAINAGE AREA.**--348 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,650 ft. from topographic map.

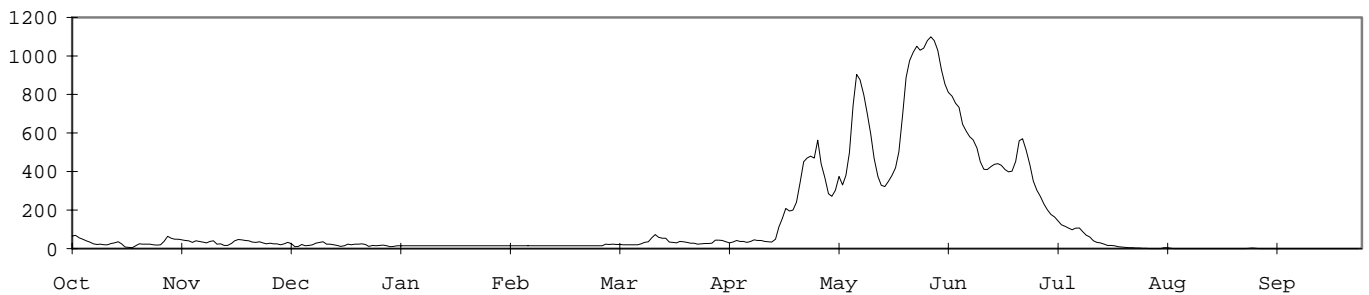
**RATING TABLE.**--SANMANCO17 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	46	33	15	14	22	44	440	1100	304	1.0	1.6
2	68	42	26	15	14	21	44	366	1080	270	0.44	0.11
3	56	40	9.8	15	14	22	42	285	1030	231	0.20	0.01
4	48	32	11	15	14	21	36	272	928	202	0.05	0.0
5	40	40	21	15	14	21	30	302	853	178	0.03	0.0
6	34	38	14	15	14	20	34	374	811	164	4.7	0.0
7	24	34	16	15	14	20	42	330	790	143	4.1	0.0
8	21	30	20	15	14	20	38	380	755	124	1.7	0.0
9	23	37	27	15	14	20	38	500	734	115	0.50	0.0
10	19	40	33	15	14	19	32	744	645	105	0.03	0.0
11	19	22	35	15	14	25	38	904	609	98	0.01	0.0
12	26	25	22	15	14	32	46	876	580	105	0.0	0.0
13	30	16	23	15	14	36	43	797	565	107	0.0	0.0
14	36	17	20	15	14	55	42	702	522	87	0.0	0.0
15	24	26	17	15	14	73	38	595	450	70	0.0	0.0
16	8.3	40	12	15	14	59	35	470	412	60	0.0	0.0
17	5.9	47	14	15	14	53	34	374	410	40	0.0	0.0
18	5.1	46	22	15	14	53	49	328	426	32	0.0	0.0
19	15	43	19	15	14	34	113	322	438	29	0.0	0.0
20	24	41	22	15	14	33	158	350	440	22	0.0	0.0
21	23	34	22	15	14	29	208	380	432	17	0.0	0.0
22	23	33	24	15	14	38	195	420	410	17	0.0	0.0
23	23	35	21	15	14	35	200	502	398	14	0.0	0.0
24	20	30	11	15	14	33	240	699	402	9.0	0.0	0.0
25	18	25	16	15	14	28	345	888	452	7.6	0.0	0.0
26	20	27	14	15	14	27	450	976	560	6.0	0.0	0.0
27	38	25	16	15	14	22	470	1020	570	5.0	0.0	0.0
28	64	24	18	15	14	25	480	1050	512	4.5	0.0	0.0
29	54	19	15	15	---	26	470	1030	434	4.0	0.0	0.0
30	48	24	10	15	---	26	562	1040	352	3.2	1.7	0.0
31	48	---	11	15	---	28	---	1080	---	2.2	2.8	---
TOTAL	970.3	978	594.8	465	392	976	4596	18796	18100	2575.5	17.26	1.72
MEAN	31.3	32.6	19.2	15.0	14.0	31.5	153	606	603	83.1	0.56	0.06
AC-FT	1920	1940	1180	922	778	1940	9120	37280	35900	5110	34	3.4
MAX	68	47	35	15	14	73	562	1080	1100	304	4.7	1.6
MIN	5.1	16	9.8	15	14	19	30	272	352	2.2	0.0	0.0

CAL YR 1982 TOTAL 54225.5 MEAN 149 MAX 1120 MIN 0 AC-FT 107600  
WTR YR 1983 TOTAL 48462.58 MEAN 133 MAX 1100 MIN 0.00 AC-FT 96130

MAX DISCH 1142 CFS AT 1800 01-JUN-1983 GH 6.37 FT. SHIFT -0.45 FT. MAX GH 6.37 FT. AT 1800 01-JUN-1983



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO (1984)

LOCATION.--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

DRAINAGE AREA.--348 mi<sup>2</sup>.

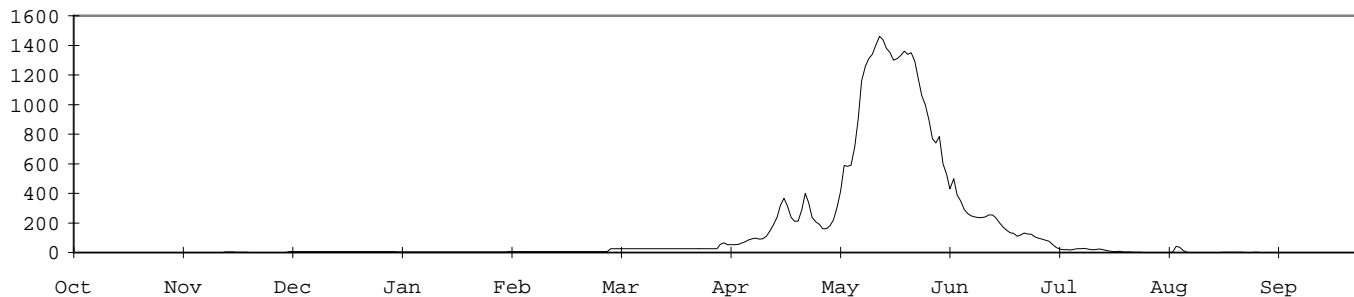
GAGE.--Graphic water-stage recorder. Altitude of gage is 7,650 ft. from topographic map.

RATING TABLE.--SANMANCO17 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	6.0	5.0	6.0	25	55	161	741	90	0.34	0.77
2	0.0	0.0	6.0	5.0	6.0	25	66	182	783	83	0.44	0.30
3	0.0	0.0	6.0	5.0	6.0	25	53	220	600	76	0.50	0.07
4	0.0	0.0	6.0	5.0	6.0	25	53	303	530	56	0.23	0.0
5	0.0	0.0	6.0	5.0	6.0	25	53	414	430	34	0.09	0.0
6	0.0	0.0	6.0	5.0	6.0	25	55	588	500	24	0.0	0.0
7	0.0	0.0	6.0	5.0	6.0	25	64	582	390	20	3.6	0.0
8	0.0	0.0	6.0	5.0	6.0	25	73	590	350	19	42	0.0
9	0.0	0.0	6.0	5.0	6.0	25	85	714	292	17	36	0.0
10	0.0	0.0	6.0	5.0	6.0	25	93	904	262	22	12	0.0
11	0.0	0.0	6.0	5.0	6.0	25	98	1160	248	26	2.6	0.0
12	0.0	0.81	6.0	5.0	6.0	25	90	1260	242	26	1.0	0.0
13	0.0	3.7	6.0	5.0	6.0	25	94	1310	234	27	0.34	0.0
14	0.0	4.1	6.0	5.0	6.0	25	111	1340	237	23	0.02	0.0
15	0.0	3.5	6.0	5.0	6.0	25	147	1400	242	18	0.0	0.0
16	0.0	2.4	6.0	5.0	6.0	25	186	1460	255	18	0.0	0.0
17	0.0	1.6	6.0	5.0	6.0	25	240	1440	254	23	0.0	0.0
18	0.0	2.3	6.0	5.0	6.0	25	320	1380	232	21	0.0	0.0
19	0.0	1.5	6.0	5.0	6.0	25	366	1350	201	14	0.0	0.0
20	0.0	0.50	6.0	5.0	6.0	25	315	1300	174	9.8	0.19	0.0
21	0.0	0.63	6.0	5.0	6.0	25	236	1310	150	7.0	3.0	0.0
22	0.0	0.50	6.0	5.0	6.0	25	212	1330	134	6.4	1.4	0.0
23	0.0	0.30	6.0	5.0	6.0	25	212	1360	130	7.6	1.4	0.0
24	0.0	0.14	6.0	5.0	6.0	25	288	1340	111	5.1	2.4	0.0
25	0.0	0.07	6.0	5.0	6.0	25	400	1350	118	3.9	2.6	0.0
26	0.0	0.11	6.0	5.0	6.0	25	336	1290	131	3.2	1.7	0.0
27	0.0	0.20	6.0	5.0	6.0	25	237	1170	124	2.6	1.2	0.0
28	0.0	0.20	6.0	5.0	6.0	25	208	1060	122	1.8	0.70	0.0
29	0.0	0.20	6.0	5.0	6.0	25	190	998	105	1.4	0.68	0.0
30	0.0	0.20	6.0	5.0	---	25	161	896	97	1.0	2.4	0.0
31	0.0	---	6.0	5.0	---	25	---	769	---	0.70	2.2	---
TOTAL	0.0	22.96	186.0	155.0	174.0	775	5097	30931	8419	687.50	119.03	1.14
MEAN	0.0	0.77	6.00	5.00	6.00	25.0	170	998	281	22.2	3.84	0.04
AC-FT	0.0	46	369	307	345	1540	10110	61350	16700	1360	236	2.3
MAX	0.0	4.1	6.0	5.0	6.0	25	400	1460	783	90	42	0.77
MIN	0.0	0.0	6.0	5.0	6.0	25	53	161	97	0.70	0.0	0.0
CAL YR 1983 TOTAL	46128.44		MEAN	126	MAX	1100	MIN	0.00	AC-FT	91500		
WTR YR 1984 TOTAL	46567.63		MEAN	127	MAX	1460	MIN	0.00	AC-FT	92370		

MAX DISCH 1497 CFS AT 1800 16-MAY-1984 GH 6.36 FT. SHIFT 0.15 FT. MAX GH 6.36 FT. AT 1800 16-MAY-1984



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO (1985)

**LOCATION.**--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

**DRAINAGE AREA.**--348 mi<sup>2</sup>.

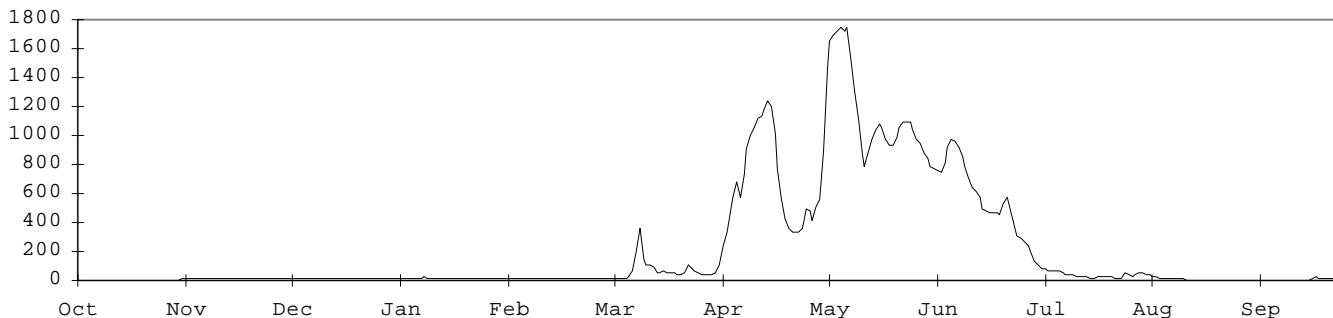
**GAGE.**--Graphic water-stage recorder. Altitude of gage is 7,650 ft. from topographic map.

**RATING TABLE.**--SANMANCO18 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	7.5	11	18	8.0	11	45	420	948	266	33	0.0
2	0.0	8.6	11	18	7.0	11	46	505	884	236	36	0.0
3	0.0	11	10	16	7.0	11	50	560	846	194	60	0.0
4	0.0	13	11	16	7.0	11	103	900	782	136	55	0.0
5	0.0	14	12	18	7.0	12	241	1470	776	103	46	0.0
6	0.0	14	12	20	7.0	11	336	1650	754	86	35	0.0
7	0.0	15	11	20	7.0	12	412	1700	744	74	28	0.0
8	0.0	19	11	20	9.0	18	569	1720	810	65	21	0.0
9	0.0	20	13	21	10	30	677	1750	916	64	19	0.0
10	0.0	15	13	18	10	68	578	1720	968	67	15	0.0
11	0.0	9.6	13	15	9.0	206	739	1750	964	61	13	0.0
12	0.0	14	13	14	9.0	359	908	1530	926	53	14	0.0
13	0.0	19	14	14	10	142	1000	1310	852	42	14	0.0
14	0.0	18	14	14	10	111	1060	1120	782	40	12	0.0
15	0.0	16	13	14	10	101	1120	885	702	39	9.6	0.0
16	0.0	11	13	14	10	88	1130	785	644	32	7.8	0.0
17	0.0	14	12	14	10	58	1170	875	614	28	6.1	0.0
18	0.0	14	13	15	10	53	1240	980	569	25	5.3	0.0
19	0.0	12	14	16	10	62	1200	1040	500	23	4.4	0.0
20	0.0	11	14	16	10	47	1020	1080	478	20	3.7	0.0
21	0.0	10	13	16	10	52	772	1060	468	20	2.7	0.05
22	0.0	10	11	16	10	53	578	975	470	27	2.0	19
23	0.0	12	11	16	10	46	430	940	470	32	1.2	22
24	0.0	11	10	14	10	43	357	940	452	28	0.32	19
25	0.0	11	10	12	11	54	331	992	527	23	0.0	16
26	0.0	10	11	12	11	103	333	1060	575	21	0.0	13
27	0.0	9.5	13	12	12	81	328	1100	462	19	0.0	13
28	3.2	8.5	15	11	12	63	357	1100	362	18	0.0	14
29	5.3	10	17	10	---	54	494	1100	310	19	0.0	15
30	5.4	10	19	9.0	---	40	485	1040	294	57	0.0	25
31	6.7	---	19	8.0	---	42	---	972	---	45	0.0	---
TOTAL	20.6	377.7	397	467.0	263.0	2053	18109	35029	19849	1963	444.12	156.05
MEAN	0.66	12.6	12.8	15.1	9.39	66.2	604	1130	662	63.3	14.3	5.20
AC-FT	41	749	787	926	522	4070	35920	69480	39370	3890	881	310
MAX	6.7	20	19	21	12	359	1240	1750	968	266	60	25
MIN	0.0	7.5	10	8.0	7.0	11	45	420	294	18	0.0	0.0
CAL YR 1984 TOTAL	47153.97		MEAN	129	MAX	1460	MIN	0.00	AC-FT	93530		
WTR YR 1985 TOTAL	79128.47		MEAN	217	MAX	1750	MIN	0.00	AC-FT	157000		

MAX DISCH 1820 CFS AT 2000 09-MAY-1985 GH 6.64 FT. SHIFT 0.05 FT. MAX GH 6.64 FT. AT 2000 09-MAY-1985



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO (1986)

LOCATION.--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

DRAINAGE AREA.--348 mi<sup>2</sup>.

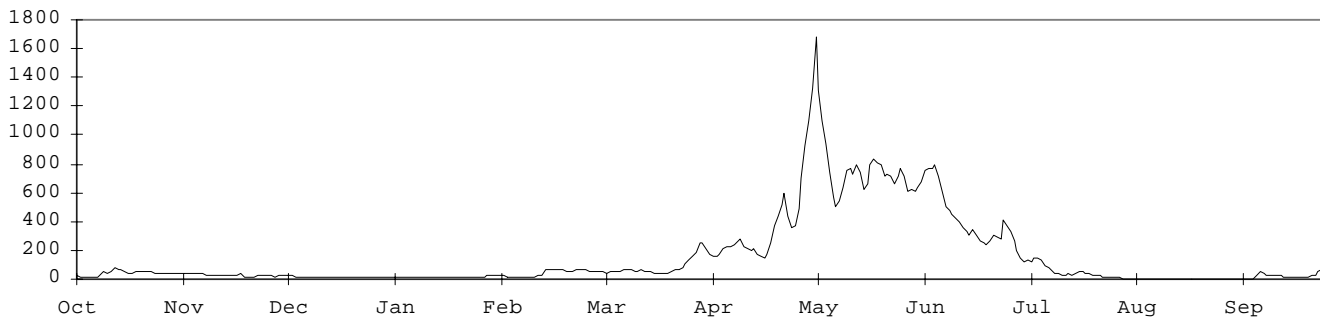
GAGE.--Graphic water-stage recorder. Altitude of gage is 7,650 ft. from topographic map.

RATING TABLE.--SANMANCO18 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	42	20	16	20	53	248	702	608	328	9.2	0.0
2	17	43	20	16	20	52	252	922	620	266	8.9	0.0
3	16	41	20	16	20	51	208	1100	608	194	4.7	0.0
4	18	40	18	16	16	48	178	1320	635	140	2.4	0.0
5	16	40	18	14	16	46	162	1580	671	124	2.0	0.0
6	14	38	18	14	16	50	154	1310	748	128	1.6	0.0
7	12	35	18	14	16	54	169	1100	768	125	1.0	0.0
8	43	33	18	14	14	55	207	944	762	145	0.86	0.0
9	48	32	18	14	14	55	221	744	796	142	0.63	0.0
10	38	30	13	16	14	60	230	575	720	130	0.53	0.0
11	51	29	13	16	14	60	232	506	608	97	0.44	33
12	75	30	13	16	14	61	246	542	506	75	0.27	47
13	68	31	13	16	22	58	277	635	470	61	0.44	34
14	61	26	13	16	22	58	219	754	452	45	0.27	30
15	54	22	13	16	70	60	210	762	428	37	0.27	25
16	46	32	13	18	70	55	203	723	398	33	0.07	20
17	42	33	13	18	70	50	217	793	357	32	0.0	20
18	51	37	14	18	70	47	171	744	333	34	0.0	22
19	56	17	14	18	70	43	157	617	301	31	0.0	18
20	55	15	14	18	60	44	140	668	345	34	0.0	14
21	50	17	14	18	58	42	166	790	299	50	0.0	11
22	54	16	14	18	56	42	248	835	266	55	0.0	11
23	53	20	14	18	58	46	376	810	252	42	0.0	11
24	45	22	15	18	62	52	438	800	240	34	0.0	8.6
25	44	26	15	18	62	61	515	720	262	29	0.0	6.7
26	43	24	15	16	65	70	590	726	305	24	0.0	9.2
27	41	20	15	16	60	79	438	716	296	21	0.0	24
28	40	18	15	16	54	100	362	659	279	17	0.0	33
29	38	22	15	20	---	132	372	712	412	12	0.0	52
30	39	20	16	20	---	156	491	772	369	11	0.0	61
31	41	---	16	20	---	187	---	712	---	9.6	0.0	---
TOTAL	1289	851	478	518	1123	2027	8097	25293	14114	2505.6	33.58	490.5
MEAN	41.6	28.4	15.4	16.7	40.1	65.4	270	819	470	80.8	1.08	16.4
AC-FT	2560	1690	948	1030	2230	4020	16060	50370	28000	4970	67	973
MAX	75	43	20	20	70	187	590	1680	796	328	9.2	61
MIN	12	15	13	14	14	42	140	506	240	9.6	0.0	0.0
CAL YR 1985 TOTAL	80951.17		MEAN	222	MAX	1750	MIN	0.00	AC-FT	160600		
WTR YR 1986 TOTAL	56819.68		MEAN	156	MAX	1580	MIN	0.00	AC-FT	112700		

MAX DISCH 1675 CFS AT 1530 05-MAY-1986 GH 6.63 FT. SHIFT 0.00 FT. MAX GH 6.63 FT. AT 1530 05-MAY-1986



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO (1987)

**LOCATION.**--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

**DRAINAGE AREA.**--348 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 7,650 ft. from topographic map.

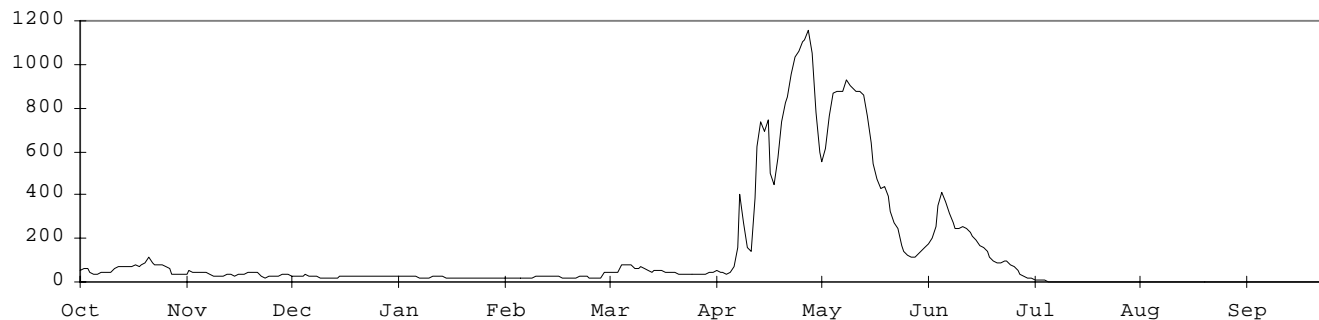
**RATING TABLE.**--SANMANCO18 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	38	32	23	20	20	34	1110	114	67	0.0	0.0
2	57	49	28	23	20	20	36	1160	118	51	0.0	0.0
3	58	48	28	23	20	45	40	1050	131	37	0.0	0.0
4	44	46	30	23	20	45	46	776	140	26	0.0	0.0
5	36	44	30	26	20	45	51	599	154	19	0.0	0.0
6	36	42	33	26	18	45	48	548	174	14	0.0	0.0
7	43	41	30	26	18	45	41	617	201	11	0.0	0.0
8	48	34	29	18	18	80	38	758	252	9.2	0.0	0.0
9	47	27	26	18	18	80	42	870	348	7.2	0.0	0.0
10	40	28	20	18	18	80	66	874	412	5.8	0.0	0.0
11	61	27	20	18	26	80	162	880	364	3.7	0.0	0.0
12	73	30	20	23	26	60	400	874	314	3.0	0.0	0.0
13	74	34	20	23	26	65	275	926	272	2.2	0.0	0.0
14	70	34	20	23	26	70	157	905	248	1.8	0.0	0.0
15	71	30	20	23	24	60	136	884	244	1.0	0.0	0.0
16	74	36	26	18	24	50	382	874	254	0.63	0.0	0.0
17	75	34	26	18	24	45	620	877	248	0.53	0.0	0.0
18	74	34	26	14	24	49	734	856	230	0.35	0.0	0.0
19	79	40	26	14	20	50	689	762	210	0.06	0.0	0.0
20	90	47	24	14	20	56	744	641	192	0.0	0.0	0.0
21	110	41	24	14	18	41	500	542	169	0.0	0.0	0.0
22	91	40	24	14	18	42	450	470	156	0.0	0.0	0.0
23	81	28	24	18	18	40	572	428	140	0.0	0.0	0.0
24	79	20	22	18	22	40	737	435	115	0.0	0.0	0.0
25	79	24	22	18	22	39	821	391	99	0.0	0.0	0.0
26	73	30	22	18	22	38	852	326	86	0.0	0.0	0.0
27	61	26	22	18	20	38	956	274	87	0.0	0.0	0.0
28	38	30	22	20	20	36	1030	242	96	0.0	0.0	0.0
29	36	32	22	20	---	35	1060	164	96	0.0	0.0	0.0
30	35	39	22	20	---	33	1100	140	83	0.0	0.0	0.0
31	36	---	22	20	---	32	---	120	---	0.0	0.0	---
TOTAL	1923	1053	762	610	590	1504	12819	20373	5747	260.47	0.0	0.0
MEAN	62.0	35.1	24.6	19.7	21.1	48.5	427	657	192	8.40	0.0	0.0
AC-FT	3810	2090	1510	1210	1170	2980	25430	40410	11400	517	0.0	0.0
MAX	110	49	33	26	26	80	1100	1160	412	67	0.0	0.0
MIN	35	20	20	14	18	20	34	120	83	0.0	0.0	0.0

CAL YR 1986 TOTAL 57939.68 MEAN 159 MAX 1580 MIN 0.00 AC-FT 114900  
WTR YR 1987 TOTAL 45641.47 MEAN 125 MAX 1160 MIN 0.00 AC-FT 90530

MAX DISCH 1237 CFS AT 1700 02-MAY-1987 GH 6.54 FT. SHIFT -0.21 FT. MAX GH 6.54 FT. AT 1700 02-MAY-1987



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO (1988)

**LOCATION.**--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

**DRAINAGE AREA.**--348 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 7,650 ft. from topographic map.

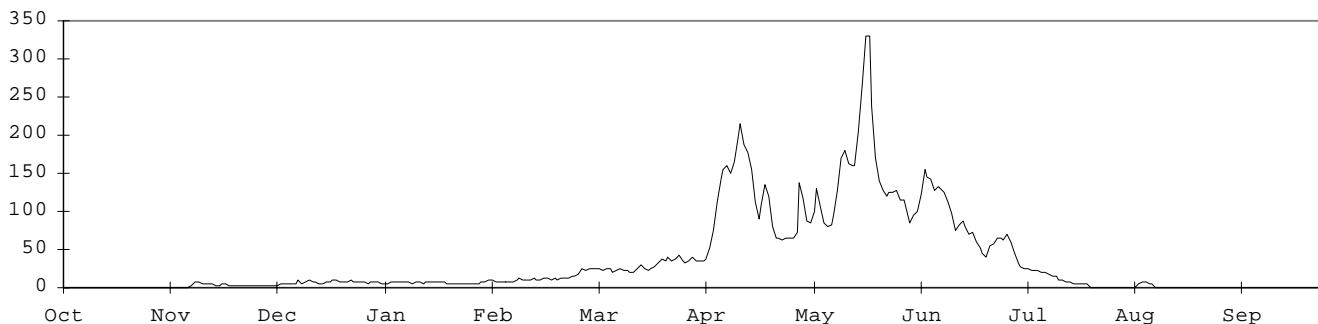
**RATING TABLE.**--SANMANCO18 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	1.4	5.4	10	24	36	137	96	61	0.0	0.0
2	0.0	0.0	3.0	5.4	9.4	26	34	118	85	45	0.0	0.0
3	0.0	0.0	4.0	5.8	8.6	26	34	88	95	32	0.0	0.0
4	0.0	0.0	5.0	6.6	7.6	25	37	86	100	28	0.0	0.0
5	0.0	0.0	6.2	7.8	7.0	23	52	100	122	26	0.0	0.0
6	0.0	0.0	5.4	8.0	7.0	25	74	130	156	24	0.0	0.0
7	0.0	1.3	6.0	7.4	7.0	25	113	108	146	22	5.1	0.0
8	0.0	7.5	9.0	6.8	8.4	21	142	86	142	22	6.9	0.0
9	0.0	6.7	6.0	6.4	9.6	23	154	79	128	23	6.7	0.0
10	0.0	5.5	7.0	6.2	12	24	161	83	132	21	5.5	0.0
11	0.0	5.0	9.0	6.8	11	23	149	96	128	19	4.0	0.0
12	0.0	5.8	6.8	6.4	11	22	166	127	124	18	0.13	0.0
13	0.0	5.0	8.2	6.0	10	21	198	171	113	15	0.0	0.0
14	0.0	3.7	5.8	6.4	12	21	216	181	97	14	0.0	0.0
15	0.0	3.7	5.4	7.2	11	25	187	162	76	11	0.0	0.0
16	0.0	6.1	7.0	8.4	10	30	178	159	82	9.2	0.0	0.0
17	0.0	5.0	8.2	7.8	13	26	156	159	87	7.5	0.0	0.0
18	0.0	3.4	9.6	8.0	12	22	113	205	81	6.4	0.0	0.0
19	0.0	1.8	9.6	7.2	11	24	91	264	70	5.5	0.0	0.0
20	0.0	1.8	7.6	5.0	12	28	107	331	73	5.8	0.0	0.0
21	0.0	2.8	7.0	5.2	11	32	136	331	60	4.7	0.0	0.0
22	0.0	3.6	6.6	5.2	12	38	120	238	53	4.2	0.0	0.0
23	0.0	3.2	9.6	5.8	12	36	81	171	46	4.0	0.0	0.0
24	0.0	3.4	8.6	5.6	13	40	64	140	40	1.2	0.0	0.0
25	0.0	3.4	7.6	5.0	14	34	64	128	54	0.86	0.0	0.0
26	0.0	2.4	7.2	5.2	15	38	63	121	58	0.53	0.0	0.0
27	0.0	1.6	6.4	5.4	17	42	65	125	66	0.14	0.0	0.0
28	0.0	1.4	6.0	5.6	24	36	64	125	64	0.02	0.0	0.0
29	0.0	1.6	6.8	6.0	22	32	65	127	63	0.0	0.0	0.0
30	0.0	1.4	7.2	6.8	---	36	72	115	71	0.0	0.0	0.0
31	0.0	---	7.0	6.4	---	40	---	115	---	0.0	0.0	---
TOTAL	0.0	87.1	210.2	197.2	339.6	888	3192	4606	2708	431.05	28.33	0.0
MEAN	0.0	2.90	6.78	6.36	11.7	28.6	106	149	90.3	13.9	0.91	0.0
AC-FT	0.0	173	417	391	674	1760	6330	9140	5370	855	56	0.0
MAX	0.0	7.5	9.6	8.4	24	42	216	331	156	61	6.9	0.0
MIN	0.0	0.0	1.4	5.0	7.0	21	34	79	40	0.0	0.0	0.0

CAL YR 1987 TOTAL 42200.77 MEAN 116 MAX 1160 MIN 0.00 AC-FT 83710  
WTR YR 1988 TOTAL 12687.48 MEAN 34.7 MAX 331 MIN 0.00 AC-FT 25170

MAX DISCH 381 CFS AT 0630 21-MAY-1988 GH 3.82 FT. SHIFT 0.06 FT. MAX GH 3.82 FT. AT 0630 21-MAY-1988



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO (1989)

**LOCATION.**--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

**DRAINAGE AREA.**--348 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 7,650 ft. from topographic map.

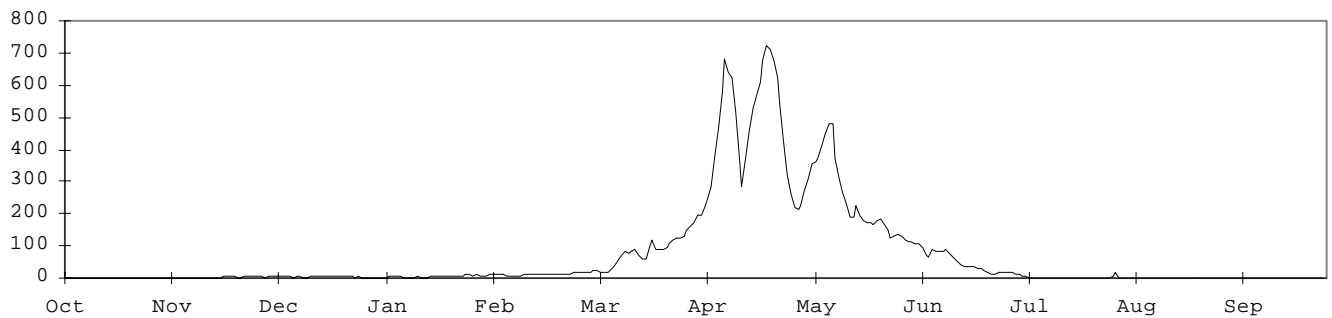
**RATING TABLE.**--SANMANCO18 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	3.2	2.8	9.6	15	169	214	118	19	18	0.0
2	0.0	0.0	3.2	2.8	14	15	196	226	115	15	2.3	0.0
3	0.0	0.0	3.2	3.0	14	21	196	272	113	13	0.12	0.0
4	0.0	0.0	3.2	3.4	14	21	226	307	108	9.2	0.0	0.0
5	0.0	0.0	3.0	4.0	9.0	17	242	355	107	5.8	0.0	0.0
6	0.0	0.0	2.8	4.2	4.0	16	283	362	96	3.7	0.0	0.0
7	0.0	0.0	3.6	2.6	3.2	18	381	374	71	1.8	0.0	0.0
8	0.0	0.0	3.2	2.0	5.4	30	468	410	67	0.53	0.0	0.0
9	0.0	0.0	2.8	2.2	8.0	38	578	448	86	0.06	0.0	0.0
10	0.0	0.0	2.8	2.6	8.8	56	680	480	85	0.0	0.0	0.0
11	0.0	0.0	3.0	3.0	9.6	70	641	482	85	0.0	0.0	0.0
12	0.0	0.0	3.2	2.6	11	82	620	376	81	0.0	0.0	0.0
13	0.0	0.0	3.2	2.0	9.6	76	518	312	90	0.0	0.0	0.0
14	0.0	0.0	3.0	2.6	11	82	369	266	79	0.0	0.0	0.0
15	0.0	0.0	3.4	3.0	9.6	90	283	234	66	0.0	0.0	0.0
16	0.0	5.0	3.2	3.2	9.6	72	369	187	55	0.0	0.0	0.0
17	0.0	4.8	3.0	3.6	10	60	455	187	40	0.0	0.0	0.0
18	0.0	4.8	3.0	4.0	11	61	527	226	34	0.0	0.0	0.0
19	0.0	3.4	3.6	4.6	13	100	569	194	34	0.0	0.0	0.0
20	0.0	2.6	3.0	5.0	14	120	611	176	38	0.0	0.0	0.0
21	0.0	2.6	3.2	5.4	11	91	674	171	35	0.0	0.0	0.0
22	0.0	3.0	3.4	6.4	11	87	723	173	30	0.0	0.0	0.0
23	0.0	3.8	3.8	7.2	13	87	709	168	29	0.0	0.0	0.0
24	0.0	4.8	2.6	8.4	14	97	677	176	26	0.0	0.0	0.0
25	0.0	4.2	3.4	9.4	15	107	623	183	19	0.0	0.0	0.0
26	0.0	3.6	2.8	9.0	17	120	545	166	14	0.0	0.0	0.0
27	0.0	3.2	2.2	8.2	17	127	428	146	14	0.0	0.0	0.0
28	0.0	2.8	1.8	9.2	16	122	319	124	16	0.0	0.0	0.0
29	0.0	3.2	1.8	7.6	---	130	258	130	18	0.0	0.0	0.0
30	0.0	3.0	2.4	8.4	---	148	217	138	18	0.0	0.0	0.0
31	0.0	---	2.6	8.8	---	161	---	131	---	3.6	0.0	---
TOTAL	0.0	54.8	92.6	151.2	312.4	2337	13554	7794	1787	71.69	20.42	0.0
MEAN	0.0	1.83	2.99	4.88	11.2	75.4	452	251	59.6	2.31	0.66	0.0
AC-FT	0.0	109	184	300	620	4640	26880	15460	3540	142	41	0.0
MAX	0.0	5.0	3.8	9.4	17	161	723	482	118	19	18	0.0
MIN	0.0	0.0	1.8	2.0	3.2	15	169	124	14	0.0	0.0	0.0

CAL YR 1988 TOTAL 12537.58 MEAN 34.3 MAX 331 MIN 0.00 AC-FT 24870  
WTR YR 1989 TOTAL 26175.11 MEAN 71.7 MAX 723 MIN 0.00 AC-FT 51920

MAX DISCH 839 CFS AT 1430 22-APR-1989 GH 5.35 FT. SHIFT 0.06 FT. MAX GH 5.35 FT. AT 1430 22-APR-1989



## RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO (1990)

**LOCATION.**--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

**DRAINAGE AREA.**--348 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 7,650 ft. from topographic map.

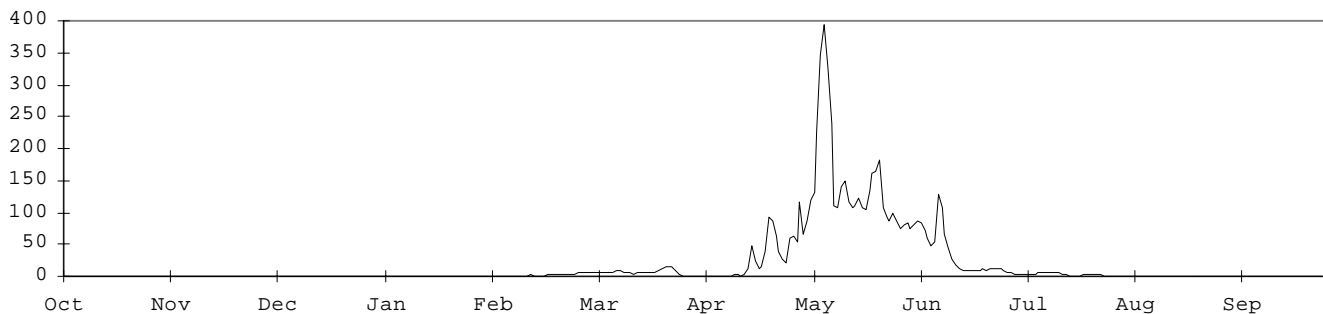
**RATING TABLE.**--SANMANCO18 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
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	5.0	0.86	54	81	7.2	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	4.6	0.74	117	83	5.5	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	4.6	0.74	66	75	4.4	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	5.0	1.0	86	80	4.2	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	5.8	1.0	118	88	3.7	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	5.4	1.0	130	85	3.4	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	5.0	0.86	226	73	3.4	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	5.8	0.74	345	59	3.2	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	6.6	0.63	393	47	3.4	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	8.0	0.63	324	53	5.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	7.6	1.2	238	128	6.1	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	7.4	1.4	111	107	7.2	0.0	0.0
13	0.0	0.0	0.0	0.0	1.5	7.2	1.8	107	65	5.8	0.0	0.0
14	0.0	0.0	0.0	0.0	1.4	6.1	1.6	140	44	4.7	0.0	0.0
15	0.0	0.0	0.0	0.0	1.2	4.0	1.2	148	28	6.1	0.0	0.0
16	0.0	0.0	0.0	0.0	1.1	4.7	2.0	117	19	6.4	0.0	0.0
17	0.0	0.0	0.0	0.0	1.4	5.5	13	107	12	4.0	0.0	0.0
18	0.0	0.0	0.0	0.0	1.7	5.5	48	110	9.6	2.2	0.0	0.0
19	0.0	0.0	0.0	0.0	1.6	6.4	24	121	8.9	1.0	0.0	0.0
20	0.0	0.0	0.0	0.0	2.1	6.9	11	108	8.2	0.63	0.0	0.0
21	0.0	0.0	0.0	0.0	2.0	7.2	16	103	7.5	0.44	0.0	0.0
22	0.0	0.0	0.0	0.0	2.5	9.2	38	134	7.5	0.27	0.0	0.0
23	0.0	0.0	0.0	0.0	3.0	11	92	162	10	2.9	0.0	0.0
24	0.0	0.0	0.0	0.0	3.7	14	87	164	11	3.4	0.0	0.0
25	0.0	0.0	0.0	0.0	4.0	14	62	181	10	2.2	0.0	0.0
26	0.0	0.0	0.0	0.0	4.3	15	40	108	11	2.2	0.0	0.0
27	0.0	0.0	0.0	0.0	5.0	7.8	26	94	12	4.0	0.0	0.0
28	0.0	0.0	0.0	0.0	4.8	1.8	22	88	13	1.6	0.0	0.0
29	0.0	0.0	0.0	0.0	---	1.4	59	100	11	0.44	0.0	0.0
30	0.0	0.0	0.0	0.0	---	1.4	63	88	8.9	0.04	0.0	0.0
31	0.0	---	0.0	0.0	---	1.2	---	76	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	41.3	201.1	618.40	4464	1255.6	105.02	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	1.48	6.49	20.6	144	41.9	3.39	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	82	399	1230	8850	2490	208	0.0	0.0
MAX	0.0	0.0	0.0	0.0	5.0	15	92	393	128	7.2	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	1.2	0.63	54	7.5	0.0	0.0	0.0

CAL YR 1989 TOTAL 26027.71 MEAN 71.3 MAX 723 MIN 0.00 AC-FT 51630  
WTR YR 1990 TOTAL 6685.42 MEAN 18.3 MAX 393 MIN 0.00 AC-FT 13260

MAX DISCH 443 CFS AT 1445 09-MAY-1990 GH 4.15 FT. SHIFT -0.02 FT. MAX GH 4.15 FT. AT 1445 09-MAY-1990



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO (1983)

LOCATION.--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

DRAINAGE AREA.--220 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder and concrete control. Altitude of gage is 8,000 ft from topographic map.

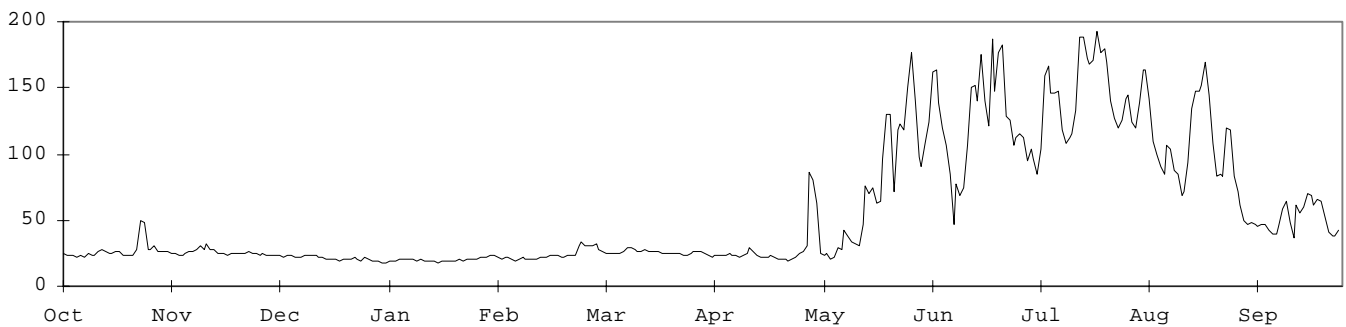
REMARKS.--Flow regulated by Sanchez Reservoir on Ventero Creek.

RATING TABLE.--CULSANCO04 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	25	23	17	23	30	27	31	140	116	144	71
2	24	25	23	19	22	32	25	86	98	112	124	61
3	24	24	22	19	21	28	24	80	90	95	120	50
4	24	24	23	19	22	27	22	63	108	104	138	47
5	22	25	23	20	22	25	24	25	124	96	164	48
6	23	27	22	21	21	25	23	24	162	84	164	46
7	22	27	22	21	19	25	23	25	163	103	142	45
8	25	28	22	21	21	25	24	21	139	159	110	46
9	24	30	23	21	22	25	25	22	120	166	100	46
10	24	28	24	19	21	27	24	29	106	146	90	42
11	27	32	24	20	21	29	23	28	85	146	84	39
12	28	28	24	19	21	29	22	42	46	147	106	39
13	26	28	22	19	21	28	24	38	77	118	104	45
14	25	25	22	19	22	27	25	33	68	108	87	58
15	25	25	20	19	22	27	29	32	74	112	85	64
16	26	25	21	18	22	28	27	30	106	116	69	48
17	27	24	21	19	23	27	24	46	150	133	72	37
18	24	25	21	19	23	27	22	76	152	189	93	62
19	23	25	19	19	23	27	22	70	140	188	135	56
20	24	25	20	19	22	27	22	74	175	172	148	60
21	23	25	21	19	22	25	24	63	140	168	147	70
22	28	25	21	21	23	25	22	64	121	171	152	69
23	50	26	22	19	23	25	21	96	187	193	170	62
24	48	25	21	21	24	25	21	130	148	176	145	66
25	28	25	19	21	30	25	20	130	177	180	108	64
26	28	24	22	21	33	25	19	71	183	169	83	52
27	30	25	21	21	30	24	21	118	128	140	84	41
28	27	24	19	22	30	24	22	122	126	127	83	38
29	26	24	19	22	---	25	25	118	106	120	119	38
30	27	23	19	22	---	27	26	151	112	125	118	42
31	27	---	17	23	---	27	---	176	---	142	83	---
TOTAL	834	771	662	619	649	822	702	2114	3751	4321	3571	1552
MEAN	26.9	25.7	21.4	20.0	23.2	26.5	23.4	68.2	125	139	115	51.7
AC-FT	1650	1530	1310	1230	1290	1630	1390	4190	7440	8570	7080	3080
MAX	50	32	24	23	33	32	29	176	187	193	170	71
MIN	22	23	17	17	19	24	19	21	46	84	69	37
CAL YR 1982 TOTAL		13158	MEAN	36.0	MAX	156	MIN	11	AC-FT	26100		
WTR YR 1983 TOTAL		20368	MEAN	55.8	MAX	193	MIN	17	AC-FT	40400		

MAX DISCH 266 CFS AT 2100 25-JUN-1983 GH 2.81 FT. SHIFT -0.02 FT. MAX GH 2.81 FT. AT 2100 25-JUN-1983



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO (1984)

**LOCATION.**--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

**DRAINAGE AREA.**--220 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder and concrete control. Altitude of gage is 8,000 ft from topographic map.

**REMARKS.**--Flow regulated by Sanchez Reservoir on Ventero Creek.

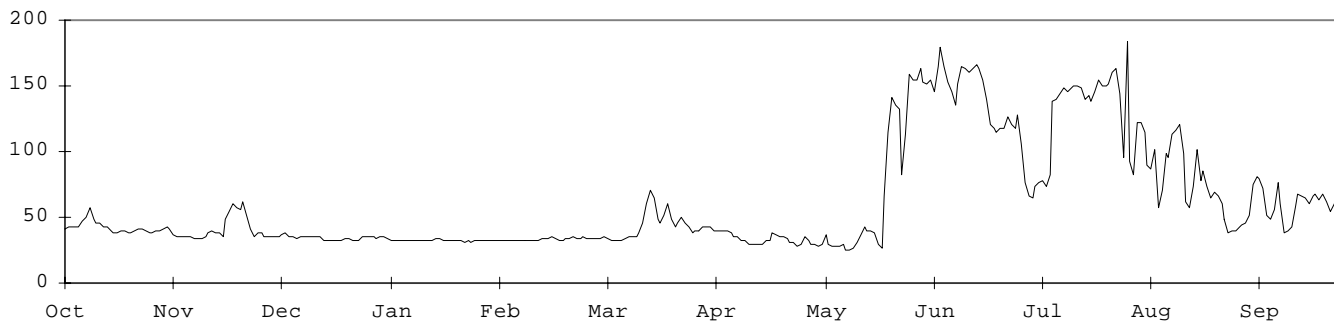
**RATING TABLE.**--CULSANCO04 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	37	36	34	32	34	43	30	163	77	82	44
2	42	36	37	33	32	34	42	29	153	66	122	45
3	42	35	38	32	32	35	40	28	152	65	122	52
4	42	35	35	32	32	34	39	29	154	74	115	75
5	42	35	36	32	32	32	40	37	145	76	90	81
6	47	35	34	32	32	32	39	30	165	78	87	80
7	50	34	35	32	32	33	39	28	180	74	102	72
8	58	34	35	32	32	33	38	28	165	83	58	52
9	49	34	36	32	32	34	36	28	153	138	71	48
10	45	36	36	32	32	35	35	30	146	139	98	56
11	45	38	35	32	33	35	32	25	136	144	96	77
12	43	39	36	32	32	35	32	25	151	148	113	60
13	42	38	35	32	33	38	30	26	165	146	116	38
14	39	38	32	33	34	46	30	31	163	148	120	39
15	38	36	32	34	34	61	30	37	160	150	99	42
16	38	48	32	34	34	70	30	42	163	150	62	59
17	39	54	32	33	35	65	30	39	166	148	58	68
18	39	60	33	32	34	48	32	39	163	140	73	66
19	38	57	33	32	33	45	33	38	154	142	102	64
20	38	56	34	32	33	51	38	30	140	138	78	61
21	39	62	34	32	34	61	37	27	120	146	85	66
22	41	51	32	32	34	48	36	66	118	154	73	68
23	41	41	33	31	35	42	35	115	115	150	65	63
24	39	36	33	32	34	45	34	141	117	150	69	67
25	38	38	35	31	34	50	31	136	117	152	66	62
26	38	38	36	32	35	46	31	133	126	160	60	55
27	39	36	36	32	34	42	28	82	121	163	48	61
28	40	35	35	32	34	38	29	113	117	144	38	73
29	41	35	34	32	34	39	35	159	128	95	39	74
30	42	35	35	32	---	40	32	154	106	184	39	54
31	41	---	35	32	---	42	---	154	---	93	42	---
TOTAL	1296	1222	1070	999	963	1323	1036	1909	4322	3915	2488	1822
MEAN	41.8	40.7	34.5	32.2	33.2	42.7	34.5	61.6	144	126	80.3	60.7
AC-FT	2570	2420	2120	1980	1910	2620	2050	3790	8570	7770	4930	3610
MAX	58	62	38	34	35	70	43	159	180	184	122	81
MIN	38	34	32	31	32	32	28	25	106	65	38	38

CAL YR 1983 TOTAL 21689 MEAN 59.4 MAX 193 MIN 17 AC-FT 43020  
WTR YR 1984 TOTAL 22365 MEAN 61.1 MAX 184 MIN 25 AC-FT 44360

MAX DISCH 575 CFS AT 1830 30-JUL-1984 GH 4.79 FT. SHIFT -0.03 FT. MAX GH 4.79 FT. AT 1830 30-JUL-1984



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO (1985)

**LOCATION.**--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

**DRAINAGE AREA.**--220 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder and concrete control. Altitude of gage is 8,000 ft from topographic map.

**REMARKS.**--Flow regulated by Sanchez Reservoir on Ventero Creek.

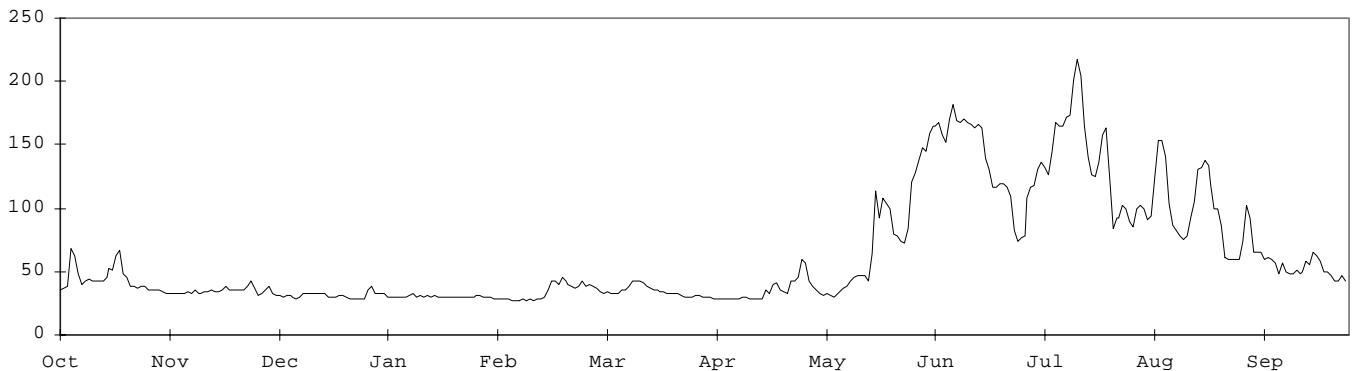
**RATING TABLE.**--CULSANCO04 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	33	31	32	29	38	30	43	138	78	85	74
2	37	33	31	30	28	37	30	39	148	108	99	102
3	38	33	30	30	28	34	30	35	145	117	102	92
4	68	33	31	30	28	32	29	32	159	118	100	66
5	62	33	31	30	28	34	28	31	165	130	91	65
6	48	34	30	30	27	33	29	32	165	136	94	65
7	40	33	29	30	27	33	28	31	168	132	124	60
8	42	35	30	31	27	33	28	30	158	127	153	61
9	44	32	32	32	28	35	29	32	152	145	154	60
10	42	32	32	30	27	35	29	35	171	168	140	57
11	42	34	33	31	28	38	29	37	182	165	104	48
12	42	34	33	30	27	43	30	39	169	165	86	57
13	42	35	33	31	28	42	30	42	168	172	83	50
14	46	34	32	30	28	43	29	45	170	172	78	49
15	53	34	32	31	30	41	29	47	168	201	75	49
16	51	35	30	30	36	38	29	47	166	217	78	51
17	63	38	30	30	42	37	29	47	164	204	92	48
18	67	35	30	30	43	36	29	42	166	165	105	50
19	49	36	31	30	40	35	36	64	164	141	130	58
20	46	36	31	30	45	34	33	113	139	127	132	56
21	38	35	30	30	42	34	40	92	130	125	138	66
22	38	36	29	30	40	33	41	108	117	136	133	63
23	37	38	28	30	39	32	35	104	116	157	120	58
24	38	42	28	30	37	32	34	99	119	163	99	50
25	38	37	28	30	38	32	32	80	120	124	99	50
26	36	31	29	30	42	31	42	78	117	84	86	47
27	35	33	35	31	39	30	42	74	109	93	61	42
28	35	36	38	31	40	30	45	73	83	93	59	42
29	35	39	33	30	---	30	60	84	74	102	59	47
30	34	32	32	30	---	31	57	121	77	100	59	42
31	33	---	32	30	---	31	---	128	---	90	59	---
TOTAL	1354	1041	964	940	941	1077	1021	1904	4287	4255	3077	1725
MEAN	43.7	34.7	31.1	30.3	33.6	34.7	34.0	61.4	143	137	99.3	57.5
AC-FT	2690	2060	1910	1860	1870	2140	2030	3780	8500	8440	6100	3420
MAX	68	42	38	32	45	43	60	128	182	217	154	102
MIN	33	31	28	30	27	30	28	30	74	78	59	42

CAL YR 1984 TOTAL 22136 MEAN 60.5 MAX 184 MIN 25 AC-FT 43910  
WTR YR 1985 TOTAL 22586 MEAN 61.9 MAX 217 MIN 27 AC-FT 44800

MAX DISCH 221 CFS AT 0700 16-JUL-1985 GH 2.41 FT. SHIFT 0.04 FT. MAX GH 2.41 FT. AT 0700 16-JUL-1985



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO (1986)

**LOCATION.**--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

**DRAINAGE AREA.**--220 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder and concrete control. Altitude of gage is 8,000 ft from topographic map.

**REMARKS.**--Flow regulated by Sanchez Reservoir on Ventero Creek.

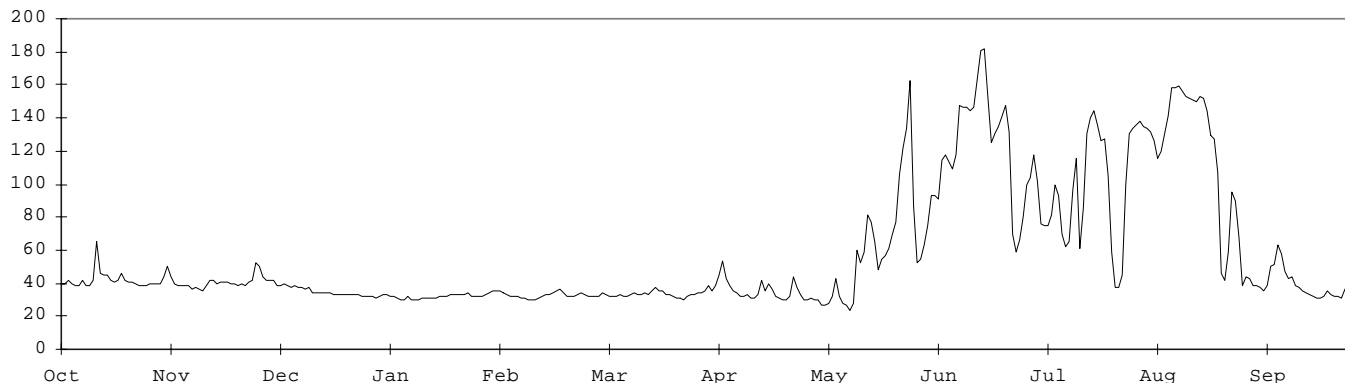
**RATING TABLE.**--CULSANCO04 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	44	39	33	35	32	35	31	55	100	136	44
2	40	40	39	32	35	32	38	30	63	104	138	43
3	42	39	40	32	34	34	35	30	75	118	135	39
4	40	39	38	31	33	33	38	27	93	102	134	39
5	39	38	37	30	32	32	45	27	93	76	132	37
6	38	38	38	30	32	32	53	28	91	75	126	35
7	42	36	37	32	32	32	43	32	114	75	116	38
8	39	37	37	30	31	33	38	43	118	81	120	50
9	38	36	36	30	31	32	35	32	113	99	130	51
10	42	35	37	30	30	32	34	28	109	93	141	63
11	65	38	34	31	30	33	32	27	118	69	158	58
12	46	42	34	31	30	34	32	24	148	62	158	47
13	45	42	34	31	31	33	33	28	147	65	159	43
14	45	40	34	31	32	33	31	60	146	96	156	44
15	42	41	34	31	33	34	31	52	144	115	153	38
16	41	41	34	32	33	33	33	59	146	61	152	37
17	42	41	33	32	34	35	42	81	164	86	151	35
18	46	40	33	32	35	37	35	77	181	130	150	34
19	42	40	33	33	36	35	40	65	182	140	153	33
20	41	39	33	33	34	35	36	48	153	144	152	32
21	41	40	33	33	32	33	32	55	125	136	144	31
22	40	39	33	33	32	33	31	57	130	126	129	31
23	39	41	33	33	32	32	30	61	135	127	127	32
24	39	42	33	34	33	31	30	69	141	105	107	35
25	39	52	32	32	34	31	32	77	148	59	46	33
26	40	50	32	32	33	30	44	106	132	37	42	32
27	40	44	32	32	32	32	37	122	70	37	59	32
28	40	42	32	32	32	33	33	134	59	45	95	31
29	40	42	31	33	---	33	30	163	66	100	90	36
30	44	42	32	34	---	34	30	87	80	130	68	38
31	50	---	33	35	---	34	---	52	---	134	38	---
TOTAL	1307	1220	1070	990	913	1022	1068	1812	3539	2927	3795	1171
MEAN	42.2	40.7	34.5	31.9	32.6	33.0	35.6	58.5	118	94.4	122	39.0
AC-FT	2590	2420	2120	1960	1810	2030	2120	3590	7020	5810	7530	2320
MAX	65	52	40	35	36	37	53	163	182	144	159	63
MIN	38	35	31	30	30	30	30	24	55	37	38	31

CAL YR 1985 TOTAL 22824 MEAN 62.5 MAX 217 MIN 27 AC-FT 45270  
WTR YR 1986 TOTAL 20834 MEAN 57.1 MAX 182 MIN 24 AC-FT 41320

MAX DISCH 197 CFS AT 2100 14-JUL-1986 GH 2.22 FT. SHIFT 0.05 FT. MAX GH 2.22 FT. AT 2100 14-JUL-1986



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO (1987)

LOCATION.--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

DRAINAGE AREA.--220 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder and concrete control. Altitude of gage is 8,000 ft from topographic map.

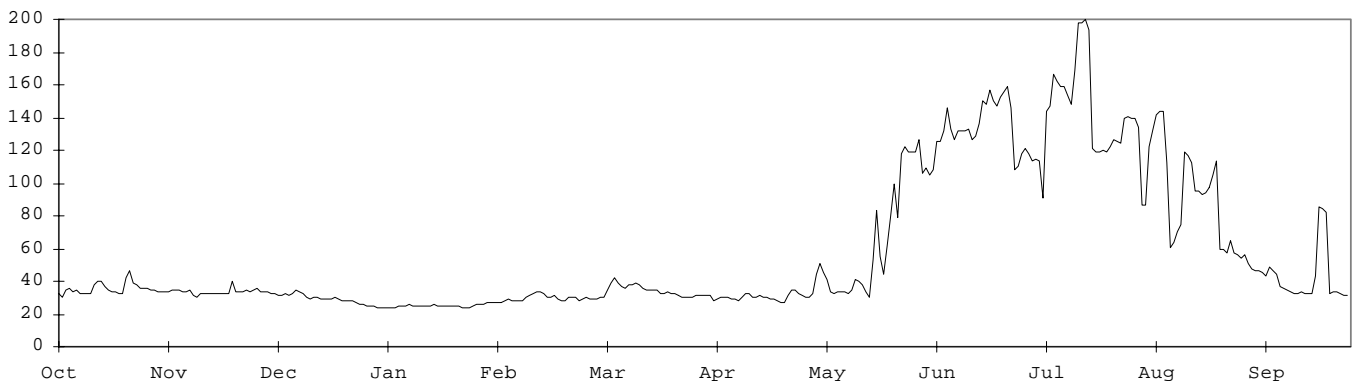
REMARKS.--Flow regulated by Sanchez Reservoir on Ventero Creek.

RATING TABLE.--CULSANCO04 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	34	32	24	27	29	31	30	127	121	139	56
2	30	35	31	24	27	29	31	32	106	118	134	51
3	35	35	31	24	27	30	31	44	109	114	87	48
4	36	35	32	24	28	30	28	51	105	115	87	47
5	34	34	31	25	29	35	29	45	108	113	122	47
6	35	34	32	25	28	39	30	41	125	91	132	45
7	32	35	35	25	28	42	30	33	125	144	142	43
8	32	31	33	26	28	39	30	32	132	147	144	49
9	32	30	32	25	28	37	29	34	146	166	144	47
10	32	32	30	25	30	36	29	34	133	162	112	44
11	38	32	29	25	31	38	28	34	127	159	61	37
12	40	32	30	25	32	38	30	32	132	159	64	36
13	40	32	30	25	34	39	32	35	132	154	70	35
14	37	32	29	25	34	38	32	41	132	148	75	34
15	35	32	29	26	32	36	30	40	133	169	119	32
16	34	32	29	25	30	35	30	38	127	198	117	32
17	33	32	29	25	30	35	31	34	129	198	112	33
18	32	32	30	25	31	35	30	30	136	200	95	32
19	32	40	29	25	29	35	30	53	150	193	95	32
20	42	34	28	25	28	32	29	83	148	121	93	32
21	46	33	28	25	28	32	29	55	157	119	94	43
22	39	34	28	25	30	33	28	44	150	119	97	85
23	38	35	28	24	30	32	27	62	147	120	105	84
24	36	33	27	24	30	32	27	80	152	119	114	82
25	36	35	26	24	28	31	31	99	156	122	60	32
26	36	36	26	25	29	30	35	79	159	126	59	33
27	35	33	25	26	30	30	35	118	146	125	57	33
28	35	33	25	26	29	30	32	122	108	124	65	32
29	34	34	25	26	---	30	31	119	110	140	57	31
30	34	32	24	27	---	31	30	119	118	141	56	31
31	33	---	24	27	---	31	---	119	---	140	54	---
TOTAL	1095	1003	897	777	825	1049	905	1812	3965	4385	2962	1298
MEAN	35.3	33.4	28.9	25.1	29.5	33.8	30.2	58.5	132	141	95.5	43.3
AC-FT	2170	1990	1780	1540	1640	2080	1800	3590	7860	8700	5880	2570
MAX	46	40	35	27	34	42	35	122	159	200	144	85
MIN	30	30	24	24	27	29	27	30	105	91	54	31
CAL YR 1986 TOTAL		20232	MEAN	55.4	MAX	182	MIN	24	AC-FT	40130		
WTR YR 1987 TOTAL		20973	MEAN	57.5	MAX	200	MIN	24	AC-FT	41600		

MAX DISCH 202 CFS AT 1100 18-JUL-1987 GH 2.34 FT. SHIFT -0.03 FT. MAX GH 2.34 FT. AT 1100 18-JUL-1987



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO (1988)

LOCATION.--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

DRAINAGE AREA.--220 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder and concrete control. Altitude of gage is 8,000 ft from topographic map.

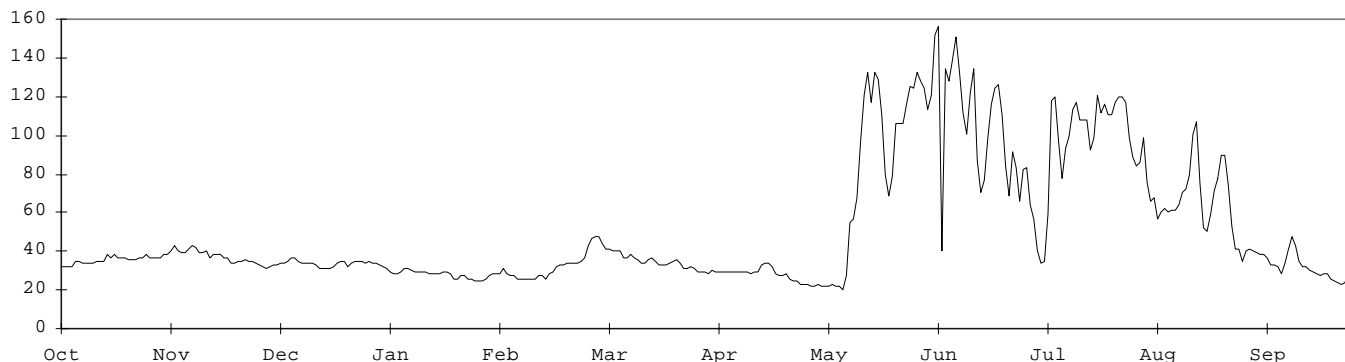
REMARKS.--Flow regulated by Sanchez Reservoir on Ventero Creek.

RATING TABLE.--CULSANCO05 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	40	33	31	28	48	28	22	124	64	86	41
2	32	43	34	29	28	44	30	23	113	57	99	40
3	32	40	34	28	31	41	29	22	121	40	76	39
4	32	39	35	28	28	41	29	22	152	34	66	38
5	35	39	37	29	27	40	29	22	156	35	68	38
6	35	41	37	31	27	40	29	23	40	59	57	37
7	34	43	35	31	26	40	29	22	134	118	60	33
8	34	42	34	30	26	37	29	22	128	120	62	33
9	34	39	34	29	26	37	29	20	139	97	60	32
10	34	39	34	29	26	38	29	27	151	78	61	28
11	35	40	34	29	26	37	29	55	133	93	61	34
12	35	37	33	29	26	36	29	57	112	100	64	41
13	35	38	31	28	27	34	28	68	101	113	70	48
14	38	38	31	28	27	34	29	96	122	117	72	43
15	37	38	31	28	26	36	29	121	134	108	80	35
16	38	37	31	28	28	37	33	133	87	108	101	32
17	37	37	32	29	29	35	34	117	70	108	107	32
18	37	34	34	29	32	33	34	133	77	92	75	30
19	37	34	35	28	33	33	32	129	99	99	52	29
20	36	35	35	26	33	33	28	111	116	121	50	28
21	36	35	32	26	34	34	27	80	124	112	59	27
22	36	36	34	27	34	35	27	69	126	116	71	28
23	37	35	35	27	34	36	28	79	111	111	78	28
24	37	35	35	26	34	34	26	106	84	111	90	26
25	38	34	35	26	35	31	25	106	69	117	90	25
26	37	33	34	25	37	31	25	106	91	120	74	24
27	37	32	35	25	43	32	23	116	83	120	53	23
28	37	31	34	25	47	31	23	125	66	117	41	24
29	37	32	34	26	48	29	23	124	82	99	41	31
30	38	33	33	27	---	29	22	133	83	89	35	34
31	38	---	32	28	---	29	---	128	---	84	40	---
TOTAL	1107	1109	1047	865	906	1105	844	2417	3228	2957	2099	981
MEAN	35.7	37.0	33.8	27.9	31.2	35.6	28.1	78.0	108	95.4	67.7	32.7
AC-FT	2200	2200	2080	1720	1800	2190	1670	4790	6400	5870	4160	1950
MAX	38	43	37	31	48	48	34	133	156	121	107	48
MIN	32	31	31	25	26	29	22	20	40	34	35	23
CAL YR 1987 TOTAL		21241	MEAN	58.2	MAX	200	MIN	24	AC-FT	42130		
WTR YR 1988 TOTAL		18665	MEAN	51.0	MAX	156	MIN	20	AC-FT	37020		

MAX DISCH 174 CFS AT 1400 05-JUN-1988 GH 2.07 FT. SHIFT +0.01 FT. MAX GH 2.07 FT. AT 1400 05-JUN-1988



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO (1989)

LOCATION.--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

DRAINAGE AREA.--220 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder and concrete control. Altitude of gage is 8,000 ft from topographic map.

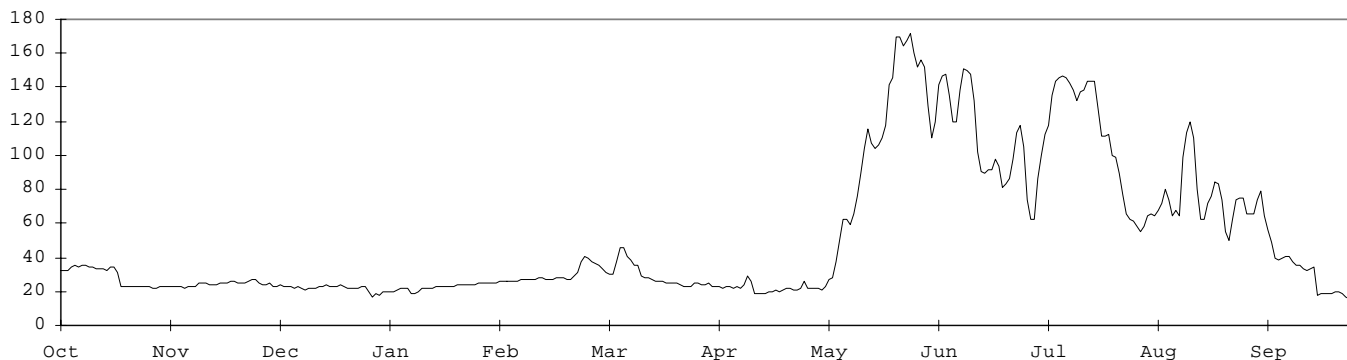
REMARKS.--Flow regulated by Sanchez Reservoir on Ventero Creek.

RATING TABLE.--CULSANCO05 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	23	23	20	25	36	24	22	156	74	58	66
2	32	23	24	20	26	35	25	22	152	62	55	66
3	32	23	23	20	26	33	23	22	129	62	58	66
4	34	23	23	21	26	31	23	21	110	86	65	74
5	35	22	23	22	26	30	23	23	120	100	66	79
6	34	23	22	22	26	30	22	27	142	112	65	64
7	35	23	23	22	26	37	23	28	147	118	68	56
8	35	23	22	19	27	46	23	37	148	135	72	49
9	34	25	21	19	27	46	22	50	135	144	80	40
10	34	25	22	20	27	41	23	62	120	146	74	39
11	33	25	22	22	27	39	22	62	120	147	64	40
12	33	24	22	22	27	35	24	59	138	146	68	41
13	33	24	23	22	28	35	29	66	151	143	65	41
14	32	24	23	22	28	29	26	76	150	138	99	37
15	34	25	24	23	27	28	19	89	148	132	113	35
16	34	25	23	23	27	28	19	104	132	137	120	35
17	31	25	23	23	27	27	19	115	102	138	110	33
18	23	26	23	23	28	26	19	107	91	144	80	32
19	23	26	24	23	28	26	20	104	90	144	62	33
20	23	25	23	23	28	26	20	106	92	144	62	34
21	23	25	22	24	27	25	21	110	92	128	72	18
22	23	25	22	24	27	25	20	118	98	111	76	19
23	23	26	22	24	29	25	21	141	94	111	84	19
24	23	27	22	24	31	25	22	146	81	112	83	19
25	23	27	23	24	37	24	22	170	83	100	74	19
26	23	25	23	24	41	23	21	170	86	99	55	20
27	22	24	20	25	40	23	21	164	98	90	50	20
28	22	24	17	25	37	23	22	168	113	77	62	19
29	23	25	19	25	---	25	26	172	118	66	74	17
30	23	23	18	25	---	25	22	160	105	62	75	16
31	23	---	20	25	---	24	---	152	---	61	75	---
TOTAL	887	733	684	700	806	931	666	2873	3541	3469	2284	1146
MEAN	28.6	24.4	22.1	22.6	28.8	30.0	22.2	92.7	118	112	73.7	38.2
AC-FT	1760	1450	1360	1390	1600	1850	1320	5700	7020	6880	4530	2270
MAX	35	27	24	25	41	46	29	172	156	147	120	79
MIN	22	22	17	19	25	23	19	21	81	61	50	16
CAL YR 1988 TOTAL	17706		MEAN	48.4	MAX	156	MIN	17	AC-FT	35120		
WTR YR 1989 TOTAL	18720		MEAN	51.3	MAX	172	MIN	16	AC-FT	37130		

MAX DISCH 177 CFS AT 0615 29-MAY-1989 GH 2.12 FT. SHIFT -0.02 FT. MAX GH 2.12 FT. AT 0615 29-MAY-1989



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO (1990)

**LOCATION.**--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

**DRAINAGE AREA.**--220 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder and concrete control. Altitude of gage is 8,000 ft from topographic map.

**REMARKS.**--Flow regulated by Sanchez Reservoir on Ventero Creek.

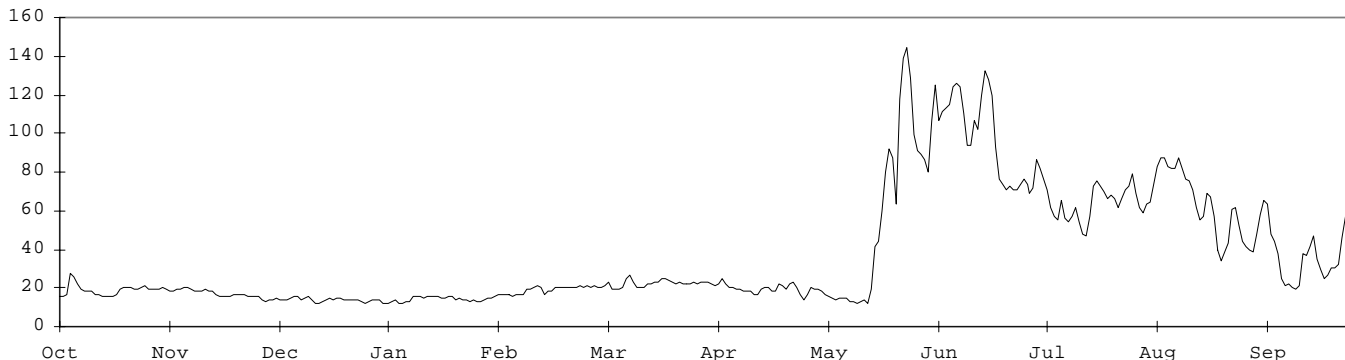
**RATING TABLE.**--CULSANCO05 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	18	15	12	16	21	23	20	89	74	69	41
2	16	18	14	12	17	20	23	19	86	69	62	40
3	17	19	14	13	17	20	22	19	80	72	59	39
4	28	19	14	14	17	21	21	18	107	86	63	48
5	26	20	15	12	17	23	22	17	125	82	64	58
6	22	20	16	12	16	19	25	16	107	76	74	65
7	19	19	16	13	17	19	22	15	111	71	83	63
8	18	18	14	13	17	19	20	14	113	62	87	48
9	18	18	15	16	17	20	20	15	115	57	87	44
10	18	18	16	16	19	25	19	15	124	55	83	38
11	17	19	14	16	19	27	19	15	126	65	82	25
12	17	18	12	15	20	23	18	13	124	56	82	21
13	16	18	12	16	21	20	18	13	110	54	87	22
14	16	17	13	16	20	20	18	12	94	57	82	20
15	16	16	14	16	17	20	17	13	94	62	76	19
16	16	16	15	16	18	22	17	14	107	54	75	21
17	17	16	14	15	18	22	19	12	102	48	71	38
18	19	16	15	15	20	23	20	19	120	47	62	37
19	20	17	15	16	20	23	20	41	132	57	55	41
20	20	17	14	16	20	25	18	44	128	73	57	47
21	20	17	14	14	20	25	18	60	120	75	69	35
22	19	17	14	15	20	24	22	80	93	73	67	29
23	19	16	14	14	20	23	21	92	76	70	57	25
24	20	16	14	14	20	22	19	87	74	66	40	27
25	21	16	13	13	21	23	22	63	71	68	34	30
26	19	16	12	14	20	22	23	118	73	66	39	30
27	19	14	13	13	21	22	20	139	71	62	43	32
28	19	13	14	13	20	22	17	144	71	66	61	46
29	19	14	14	14	---	23	14	129	74	71	62	57
30	20	14	14	15	---	22	17	99	76	73	52	41
31	19	---	12	15	---	23	---	91	---	79	44	---
TOTAL	586	510	435	444	525	683	594	1466	2993	2046	2028	1127
MEAN	18.9	17.0	14.0	14.3	18.8	22.0	19.8	47.3	99.8	66.0	65.4	37.6
AC-FT	1160	1010	863	881	1040	1350	1180	2910	5940	4060	4020	2240
MAX	28	20	16	16	21	27	25	144	132	86	87	65
MIN	16	13	12	12	16	19	14	12	71	47	34	19

CAL YR 1989 TOTAL 17947 MEAN 49.2 MAX 172 MIN 12 AC-FT 35600  
WTR YR 1990 TOTAL 13437 MEAN 36.8 MAX 144 MIN 12 AC-FT 26650

MAX DISCH 157 CFS AT 0930 28-MAY-1990 GH 1.91 FT. SHIFT 0.04 FT. MAX GH 1.91 FT. AT 0930 28-MAY-1990



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO (1983)

**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.

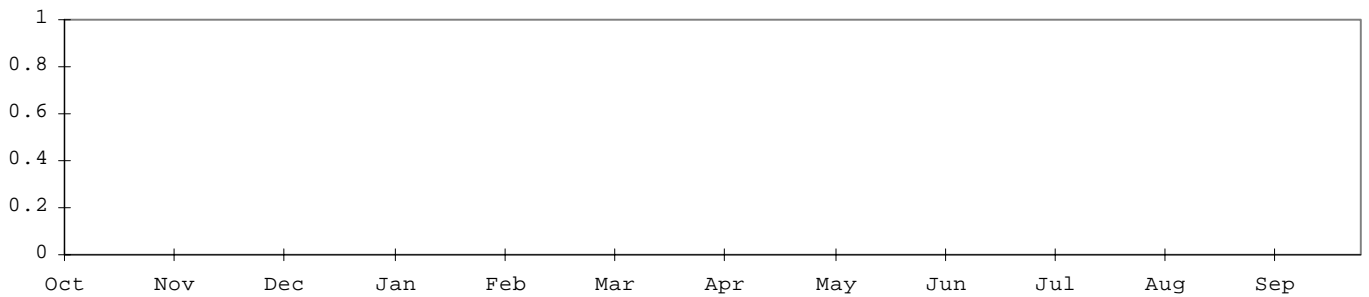
**DRAINAGE AREA.**--N/A

**GAGE.**--Graphic water-stage recorder at a 2.5' Parshall Flume.

**RATING TABLE.**--TARBELCO01 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
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 1982 TOTAL		370.3	MEAN	1.01	MAX	7.3	MIN	0.00	AC-FT	734		
WTR YR 1983 TOTAL		0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO (1984)

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.

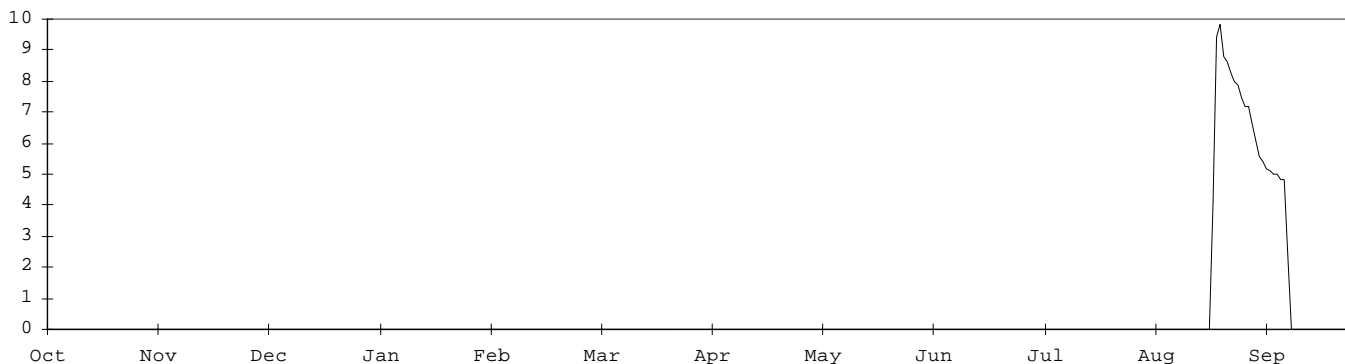
RATING TABLE.--TARBELCO01 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
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	7.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
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	4.1	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	7.5	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	7.2	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.6	63.2
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.57	2.11
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158	125
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	7.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1983 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1984 TOTAL 142.8 MEAN 0.39 MAX 9.8 MIN 0.00 AC-FT 283

MAX DISCH 12 CFS AT 1600 24-AUG-1984 GH 0.95 FT. SHIFT 0.16 FT. MAX GH 0.95 FT. AT 1600 24-AUG-1984



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO (1985)

**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.

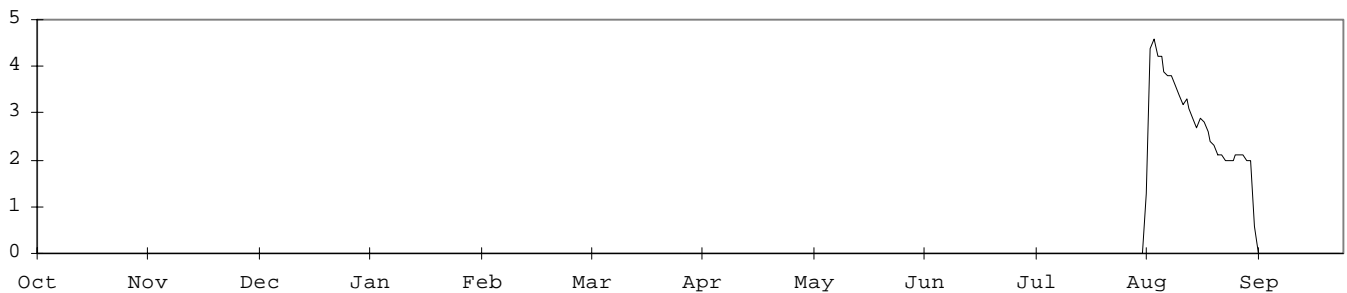
**RATING TABLE.**--TARBELCO01 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	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	3.1	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	2.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	2.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	2.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.6	10.89
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.44	0.36
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	22
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1984 TOTAL 142.8 MEAN 0.39 MAX 9.8 MIN 0.00 AC-FT 283  
WTR YR 1985 TOTAL 86.49 MEAN 0.24 MAX 4.6 MIN 0.00 AC-FT 172

MAX DISCH 6.5 CFS AT 2300 08-AUG-1985 GH 0.63 FT. SHIFT 0.13 FT. MAX GH 0.63 FT. AT 2300 08-AUG-1985



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO (1986)

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

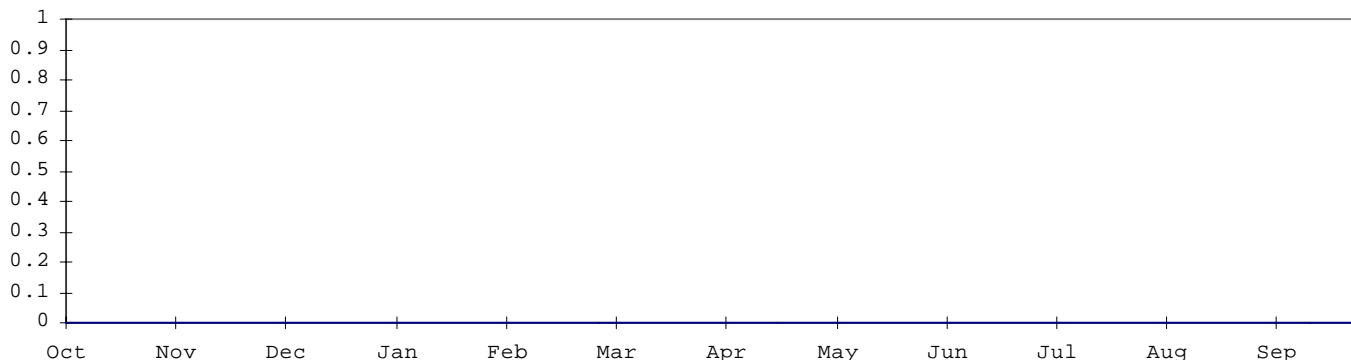
GAGE.--Graphic water-stage recorder at a 2.5' Parshall Flume.

RATING TABLE.--TARBELCO01 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
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 1985 TOTAL 86.49 MEAN 0.24 MAX 4.6 MIN 0.00 AC-FT 172  
WTR YR 1986 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO (1987)

**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.

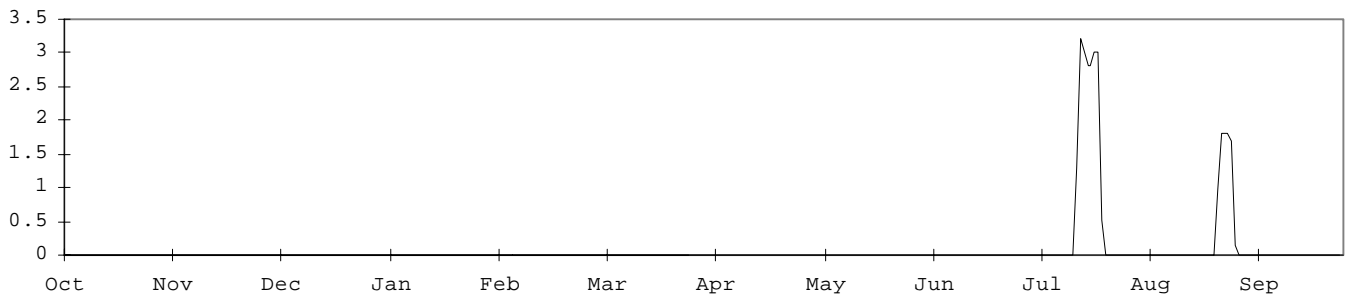
**RATING TABLE.**--TARBELCO01 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
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	1.3	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	3.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.52	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	0.98	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	1.8	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	1.7	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.14	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.62	8.22	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	0.27	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	16	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.8	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 1986 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1987 TOTAL 27.84 MEAN 0.08 MAX 3.2 MIN 0.00 AC-FT 55

MAX DISCH 3.5 CFS AT 1700 17-JUL-1987 GH 0.40 FT. SHIFT 0.11 FT. MAX GH 0.40 FT. AT 1700 17-JUL-1987



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO (1988)

**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.

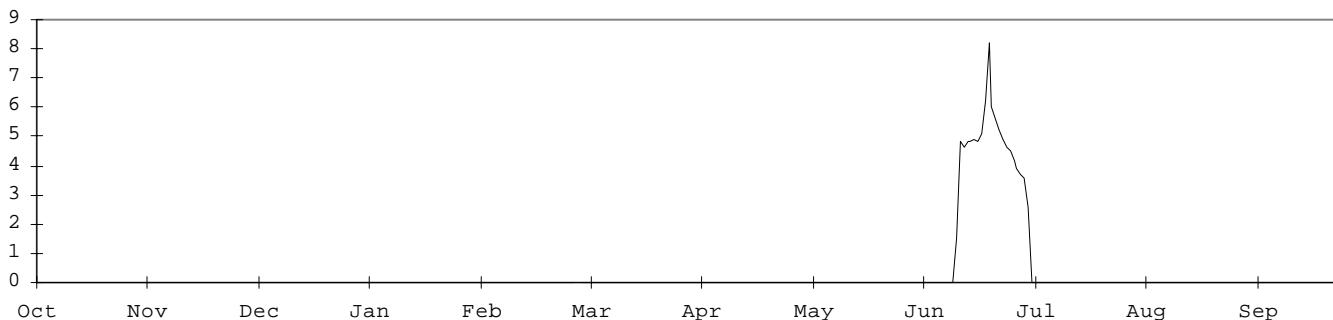
**RATING TABLE.**--TARBELCO01 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
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	3.9	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	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	2.6	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	1.5	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	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	5.1	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.5	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.2	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	84.7	13.8	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.82	0.45	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168	27	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	3.9	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1987 TOTAL 27.84 MEAN 0.08 MAX 3.2 MIN 0.00 AC-FT 55  
WTR YR 1988 TOTAL 98.5 MEAN 0.27 MAX 8.2 MIN 0.00 AC-FT 195

MAX DISCH 13 CFS AT 0100 23-JUN-1988 GH 1.06 FT. SHIFT 0.11 FT. MAX GH 1.06 FT. AT 0100 23-JUN-1988



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO (1989)

**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.

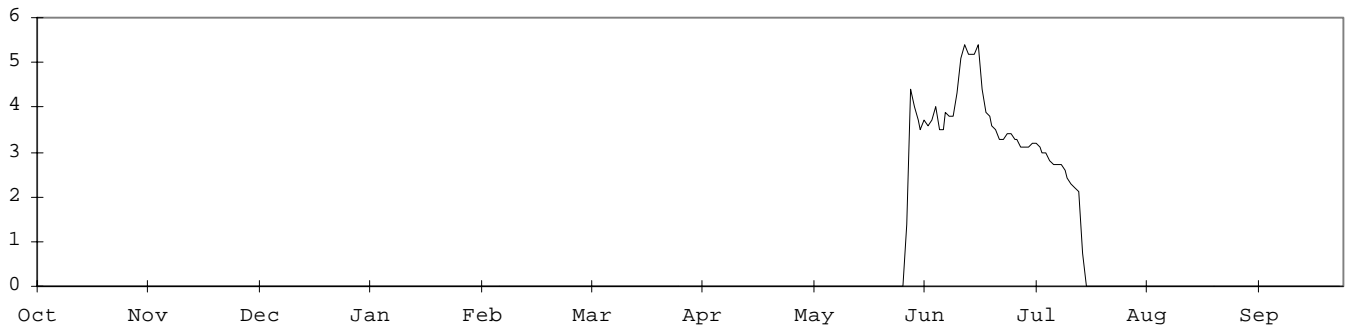
**RATING TABLE.**--TARBELCO01 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.3	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	3.3	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.1	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.1	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.1	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.2	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.2	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.1	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.8	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	2.7	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	2.7	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	2.7	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	2.6	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	2.4	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	2.3	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	2.2	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	2.1	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.74	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.4	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.4	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	118.9	54.64	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.96	1.76	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	236	108	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.3	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0

CAL YR 1988 TOTAL 98.5 MEAN 0.27 MAX 8.2 MIN 0.00 AC-FT 195  
WTR YR 1989 TOTAL 173.54 MEAN 0.48 MAX 5.4 MIN 0.00 AC-FT 344

MAX DISCH 6.4 CFS AT 0030 17-JUN-1989 GH 0.66 FT. SHIFT 0.09 FT. MAX GH 0.66 FT. AT 0030 17-JUN-1989



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO (1990)

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.

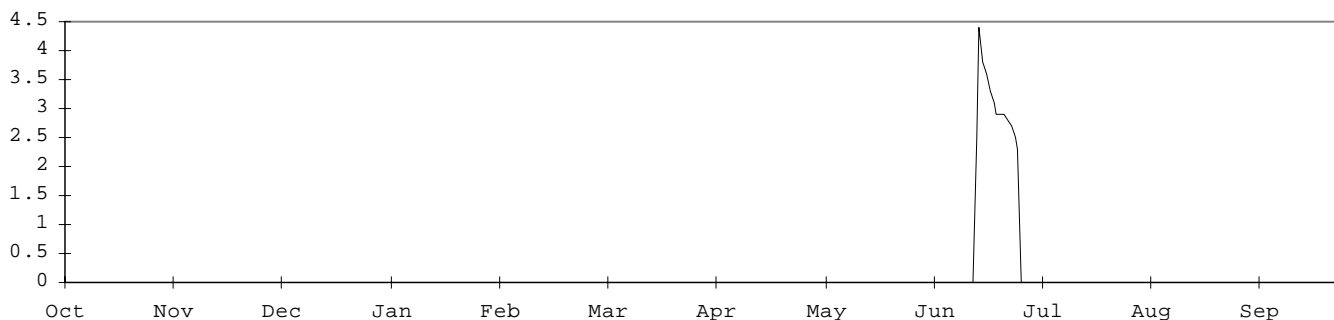
RATING TABLE.--TARBELCO01 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
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	2.5	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.5	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.3	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.7	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.32	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	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 1989 TOTAL 173.54 MEAN 0.48 MAX 5.4 MIN 0.00 AC-FT 344  
WTR YR 1990 TOTAL 39.7 MEAN 0.11 MAX 4.4 MIN 0.00 AC-FT 79

MAX DISCH 6.5 CFS AT 2200 18-JUN-1990 GH 0.67 FT. SHIFT 0.09 FT. MAX GH 0.67 FT. AT 2200 18-JUN-1990



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO (1983)

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.--F-Type recorder at a 3 ft Parshall flume.

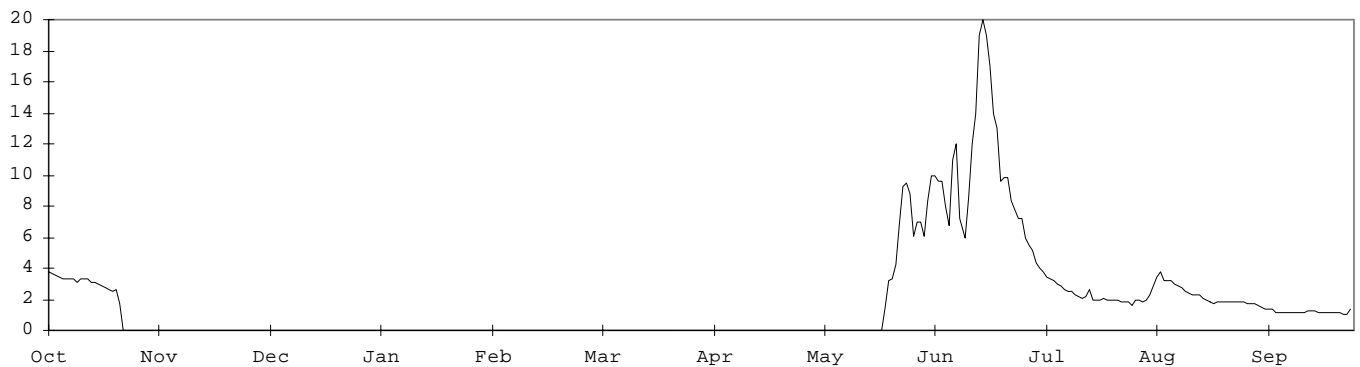
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.0	2.0	1.7
2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	5.5	1.9	1.7
3	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	5.1	1.8	1.7
4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	4.4	1.9	1.6
5	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	4.0	2.3	1.5
6	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3.8	2.9	1.4
7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	3.4	3.4	1.4
8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	3.3	3.8	1.4
9	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	3.2	3.2	1.2
10	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	3.0	3.2	1.2
11	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.9	3.2	1.2
12	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.6	3.0	1.1
13	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	2.5	2.9	1.2
14	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.5	2.8	1.2
15	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	2.3	2.5	1.2
16	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.2	2.4	1.2
17	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	2.1	2.3	1.2
18	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	2.2	2.3	1.3
19	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	2.6	2.3	1.3
20	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	1.9	2.1	1.3
21	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	2.0	1.9	1.2
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	2.0	1.8	1.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	13	2.1	1.7	1.2
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	9.6	2.0	1.8	1.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	9.8	1.9	1.8	1.2
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	9.8	1.9	1.8	1.1
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	8.3	1.9	1.8	1.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	7.8	1.8	1.8	1.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	9.5	7.2	1.8	1.8	1.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	8.8	7.2	1.8	1.8	1.4
31	0.0	---	0.0	0.0	---	0.0	---	6.1	---	1.6	1.8	---
TOTAL	65.0	0.0	0.0	0.0	0.0	0.0	0.0	52.8	314.8	86.3	72.0	38.6
MEAN	2.10	0.0	0.0	0.0	0.0	0.0	0.0	1.70	10.5	2.78	2.32	1.29
AC-FT	129	0.0	0.0	0.0	0.0	0.0	0.0	105	624	171	143	77
MAX	3.8	0.0	0.0	0.0	0.0	0.0	0.0	9.5	20	6.0	3.8	1.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.6	1.7	1.0

CAL YR 1982 TOTAL 873.64 MEAN 2.39 MAX 13 MIN 0.00 AC-FT 1730  
WTR YR 1983 TOTAL 629.5 MEAN 1.72 MAX 20 MIN 0.00 AC-FT 1250

MAX DISCH 28 CFS AT 2000 19-JUN-1983 GH 1.73 FT. SHIFT 0.00 FT. MAX GH 1.73 FT. AT 2000 19-JUN-1983



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO (1984)

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.--F-Type recorder at a 3 ft Parshall flume.

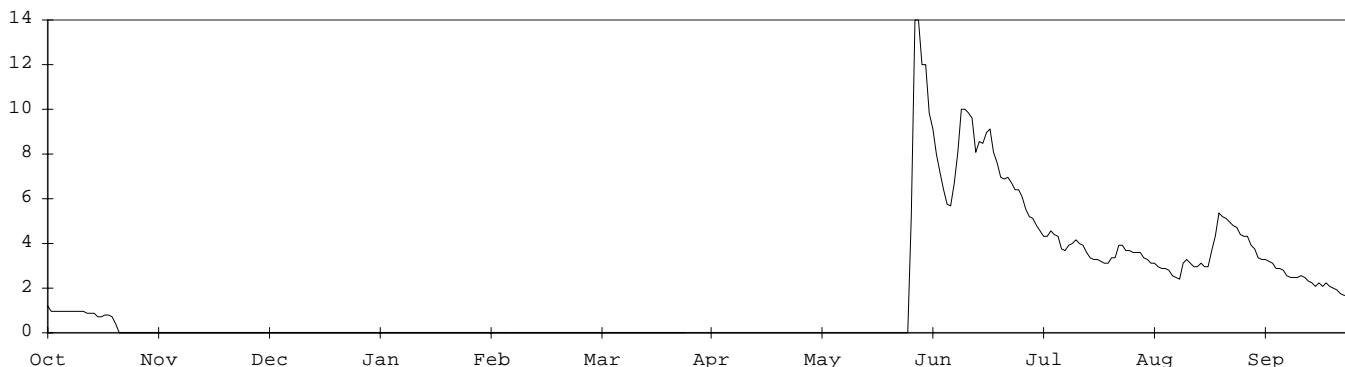
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	5.5	3.6	4.3
2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	5.2	3.6	3.9
3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	5.1	3.4	3.8
4	0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	4.8	3.3	3.4
5	0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	4.6	3.1	3.3
6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	4.3	3.1	3.3
7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	4.3	3.0	3.2
8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	4.6	2.9	3.1
9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	4.4	2.9	2.9
10	0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	4.3	2.8	2.9
11	0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	3.8	2.6	2.8
12	0.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	3.7	2.5	2.6
13	0.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3.9	2.4	2.5
14	0.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	4.0	3.1	2.5
15	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	4.2	3.3	2.5
16	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	4.0	3.1	2.6
17	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	3.9	3.0	2.5
18	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	3.6	3.0	2.3
19	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	3.4	3.1	2.2
20	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	3.3	3.0	2.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	3.3	3.0	2.2
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	3.2	3.7	2.1
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	3.1	4.3	2.2
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	3.1	5.4	2.1
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	3.4	5.2	2.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	3.4	5.1	1.9
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	3.9	5.0	1.8
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	3.9	4.8	1.7
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	3.7	4.7	1.7
30	0.0	0.0	0.0	0.0	---	0.0	0.0	5.2	6.1	3.7	4.4	1.8
31	0.0	---	0.0	0.0	---	0.0	---	14	---	3.6	4.3	---
TOTAL	17.98	0.0	0.0	0.0	0.0	0.0	0.0	19.2	249.7	123.2	110.7	78.2
MEAN	0.58	0.0	0.0	0.0	0.0	0.0	0.0	0.62	8.32	3.97	3.57	2.61
AC-FT	36	0.0	0.0	0.0	0.0	0.0	0.0	38	495	244	220	155
MAX	1.2	0.0	0.0	0.0	0.0	0.0	0.0	14	14	5.5	5.4	4.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	3.1	2.4	1.7

CAL YR 1983 TOTAL 582.48 MEAN 1.60 MAX 20 MIN 0.00 AC-FT 1160  
WTR YR 1984 TOTAL 598.98 MEAN 1.64 MAX 14 MIN 0.00 AC-FT 1190

MAX DISCH 16 CFS AT 2100 31-MAY-1984 GH 1.25 FT. SHIFT -0.05 FT. MAX GH 1.25 FT. AT 2100 31-MAY-1984



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO (1985)

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.--F-Type recorder at a 3 ft Parshall flume.

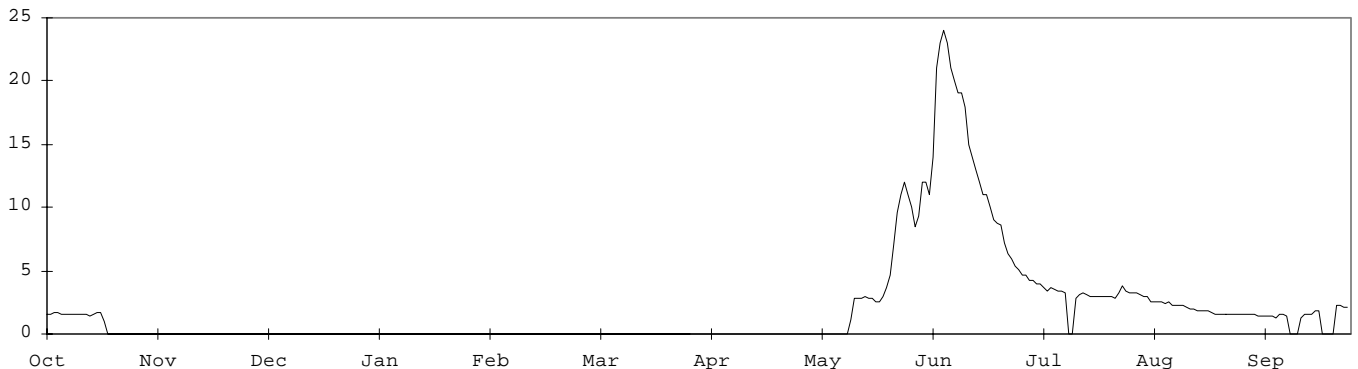
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	4.7	3.3	1.6
2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	4.7	3.3	1.6
3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	4.3	3.1	1.6
4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	4.2	3.0	1.5
5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.0	2.9	1.4
6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.9	2.6	1.4
7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	3.7	2.6	1.4
8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	3.4	2.5	1.4
9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	3.7	2.5	1.4
10	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	3.6	2.4	1.3
11	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	3.4	2.5	1.6
12	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	3.4	2.3	1.6
13	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	3.2	2.2	1.4
14	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	19	0.0	2.2	0.0
15	1.7	0.0	0.0	0.0	0.0	0.0	0.0	2.8	18	0.0	2.2	0.0
16	1.7	0.0	0.0	0.0	0.0	0.0	0.0	2.8	15	2.8	2.1	0.0
17	0.92	0.0	0.0	0.0	0.0	0.0	0.0	2.8	14	3.1	2.0	1.3
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	13	3.3	2.0	1.5
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	12	3.1	1.9	1.6
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	11	3.0	1.9	1.6
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	11	2.9	1.9	1.8
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	10	2.9	1.8	1.9
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	9.0	2.9	1.7	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	8.8	3.0	1.6	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	8.6	3.0	1.6	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	7.2	3.0	1.6	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	6.4	2.8	1.6	2.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	6.0	3.2	1.6	2.2
29	0.0	0.0	0.0	0.0	---	0.0	0.0	12	5.4	3.8	1.6	2.1
30	0.0	0.0	0.0	0.0	---	0.0	0.0	11	5.1	3.4	1.6	2.1
31	0.0	---	0.0	0.0	---	0.0	---	10	---	3.3	1.6	---
TOTAL	26.42	0.0	0.0	0.0	0.0	0.0	0.0	94.9	397.3	99.7	67.7	37.5
MEAN	0.85	0.0	0.0	0.0	0.0	0.0	0.0	3.06	13.2	3.22	2.18	1.25
AC-FT	52	0.0	0.0	0.0	0.0	0.0	0.0	188	788	198	134	74
MAX	1.7	0.0	0.0	0.0	0.0	0.0	0.0	12	24	4.7	3.3	2.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	1.6	0.0

CAL YR 1984 TOTAL 607.42 MEAN 1.66 MAX 14 MIN 0.00 AC-FT 1200  
WTR YR 1985 TOTAL 723.52 MEAN 1.98 MAX 24 MIN 0.00 AC-FT 1440

MAX DISCH 27 CFS AT 2100 08-JUN-1985 GH 1.74 FT. SHIFT -0.05 FT. MAX GH 1.74 FT. AT 2100 08-JUN-1985



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO (1986)

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.--F-Type recorder at a 3 ft Parshall flume.

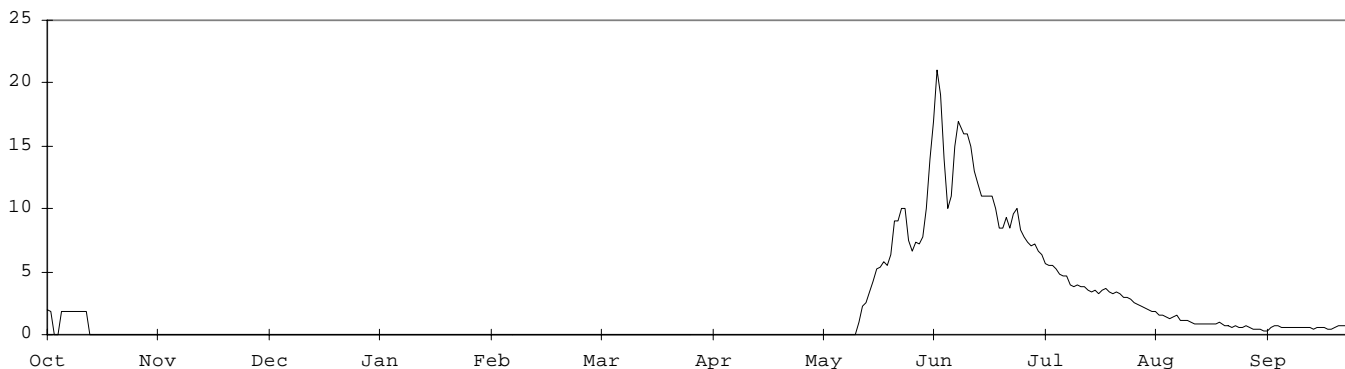
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	7.8	2.5	0.75
2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	7.3	2.4	0.61
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	7.0	2.2	0.49
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	7.2	2.1	0.43
5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	6.7	2.0	0.43
6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	6.3	1.9	0.33
7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	5.7	1.9	0.33
8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	5.5	1.6	0.55
9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	5.5	1.6	0.75
10	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	5.2	1.4	0.68
11	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.8	1.3	0.61
12	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	4.7	1.4	0.61
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	4.6	1.5	0.61
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	4.0	1.2	0.61
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	3.8	1.2	0.55
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.92	15	3.9	1.1	0.61
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	13	3.8	0.96	0.61
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	12	3.8	0.89	0.61
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	11	3.6	0.82	0.55
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	11	3.4	0.89	0.49
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	11	3.6	0.89	0.55
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	11	3.3	0.82	0.55
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	10	3.6	0.82	0.55
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	8.5	3.7	0.82	0.49
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	8.5	3.4	0.96	0.49
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.3	3.3	0.68	0.55
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	8.5	3.4	0.68	0.68
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	9.6	3.2	0.61	0.68
29	0.0	0.0	0.0	0.0	---	0.0	0.0	10	10	3.0	0.68	0.75
30	0.0	0.0	0.0	0.0	---	0.0	0.0	7.5	8.3	2.9	0.55	0.61
31	0.0	---	0.0	0.0	---	0.0	---	6.7	---	2.8	0.55	---
TOTAL	19.1	0.0	0.0	0.0	0.0	0.0	0.0	93.72	359.0	140.8	38.92	17.11
MEAN	0.62	0.0	0.0	0.0	0.0	0.0	0.0	3.02	12.0	4.54	1.26	0.57
AC-FT	38	0.0	0.0	0.0	0.0	0.0	0.0	186	712	279	77	34
MAX	2.0	0.0	0.0	0.0	0.0	0.0	0.0	10	21	7.8	2.5	0.75
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	2.8	0.55	0.33

CAL YR 1985 TOTAL 716.2 MEAN 1.96 MAX 24 MIN 0.00 AC-FT 1420  
WTR YR 1986 TOTAL 668.65 MEAN 1.83 MAX 21 MIN 0.00 AC-FT 1330

MAX DISCH 25 CFS AT 2200 06-JUN-1986 GH 1.67 FT. SHIFT -0.06 FT. MAX GH 1.67 FT. AT 2200 06-JUN-1986



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO (1987)

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.--F-Type recorder at 3 ft Parshall flume.

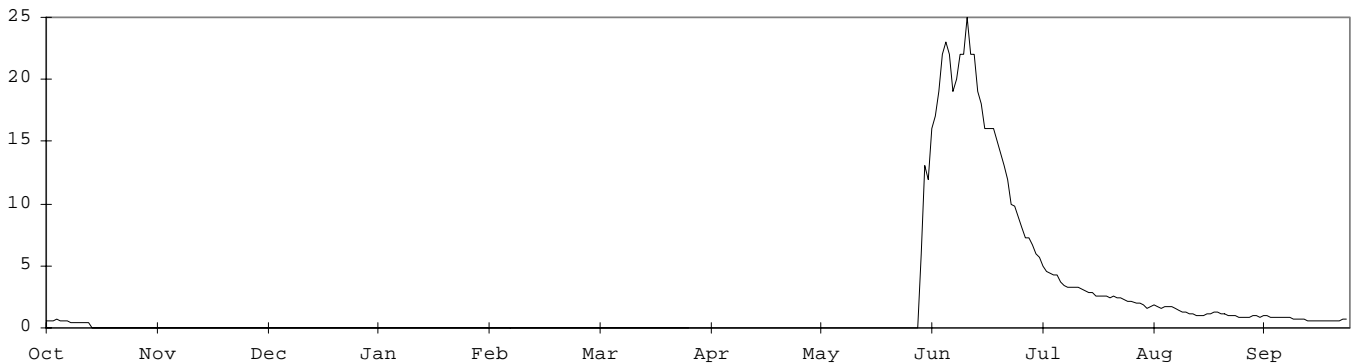
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	2.2	0.89
2	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	2.0	0.89
3	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	7.2	2.0	0.89
4	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.7	1.8	0.96
5	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	6.0	1.6	0.96
6	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	5.7	1.7	0.89
7	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	5.0	1.8	0.96
8	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	4.6	1.7	0.96
9	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	4.4	1.6	0.89
10	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	4.3	1.7	0.89
11	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	4.2	1.7	0.89
12	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	3.7	1.7	0.89
13	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	3.4	1.5	0.82
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	3.3	1.4	0.82
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	3.2	1.3	0.68
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	3.2	1.3	0.68
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	3.3	1.2	0.68
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	3.1	1.1	0.68
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	3.0	1.0	0.61
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	2.9	1.0	0.61
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.8	1.0	0.61
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.6	1.1	0.55
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.6	1.2	0.55
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	2.6	1.3	0.55
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	2.5	1.3	0.55
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	2.4	1.2	0.55
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.5	1.1	0.61
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.4	1.0	0.61
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	9.8	2.4	1.0	0.68
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	9.0	2.3	0.96	0.68
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.2	0.89	---
TOTAL	6.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	469.8	119.9	43.35	22.48
MEAN	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	3.87	1.40	0.75
AC-FT	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	932	238	86	45
MAX	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	8.1	2.2	0.96
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.89	0.55

CAL YR 1986 TOTAL 656.37 MEAN 1.80 MAX 21 MIN 0.00 AC-FT 1300  
WTR YR 1987 TOTAL 662.35 MEAN 1.81 MAX 25 MIN 0.00 AC-FT 1310

MAX DISCH 28 CFS AT 1900 16-JUN-1987 GH 1.69 FT. SHIFT 0.02 FT. MAX GH 1.69 FT. AT 1900 16-JUN-1987



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO (1988)

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.--F-Type recorder at 3 ft Parshall flume.

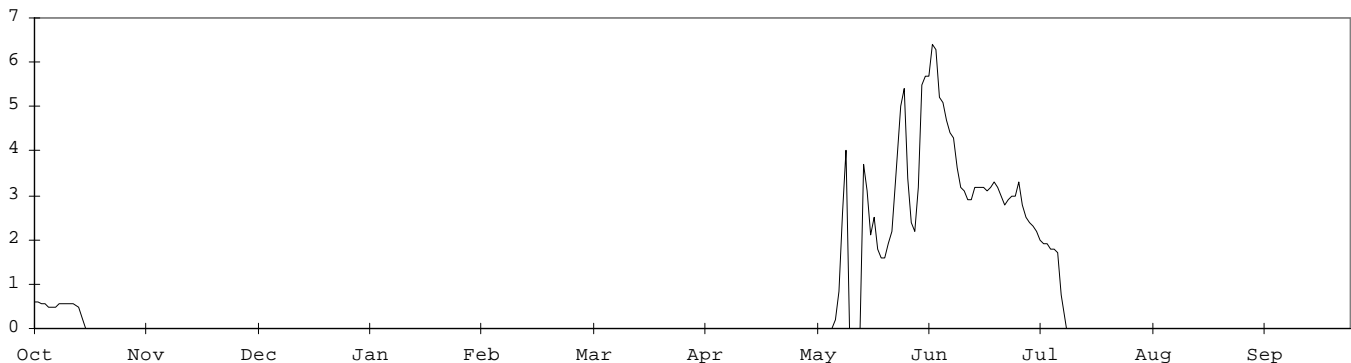
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.8	0.0	0.0
2	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.5	0.0	0.0
3	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	2.4	0.0	0.0
4	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.3	0.0	0.0
5	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.2	0.0	0.0
6	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	2.0	0.0	0.0
7	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	1.9	0.0	0.0
8	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	1.9	0.0	0.0
9	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.8	0.0	0.0
10	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.21	4.7	1.8	0.0	0.0
11	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.82	4.4	1.7	0.0	0.0
12	0.55	0.0	0.0	0.0	0.0	0.0	0.0	2.6	4.3	0.76	0.0	0.0
13	0.49	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.6	0.0	0.0	0.0
14	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.2	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.2	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	3.2	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.1	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.2	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.8	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	2.9	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	3.4	3.3	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	2.4	---	0.0	0.0	---
TOTAL	7.26	0.0	0.0	0.0	0.0	0.0	0.0	47.63	114.8	24.06	0.0	0.0
MEAN	0.23	0.0	0.0	0.0	0.0	0.0	0.0	1.54	3.83	0.78	0.0	0.0
AC-FT	14	0.0	0.0	0.0	0.0	0.0	0.0	94	228	48	0.0	0.0
MAX	0.61	0.0	0.0	0.0	0.0	0.0	0.0	5.4	6.4	2.8	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0

CAL YR 1987 TOTAL 662.79 MEAN 1.82 MAX 25 MIN 0.00 AC-FT 1310  
WTR YR 1988 TOTAL 193.75 MEAN 0.53 MAX 6.4 MIN 0.00 AC-FT 384

MAX DISCH 12 CFS AT 2000 06-JUN-1988 GH 1.14 FT. SHIFT -0.13 FT. MAX GH 1.14 FT. AT 2000 06-JUN-1988



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO (1989)

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.--F-Type recorder at 3 ft Parshall flume.

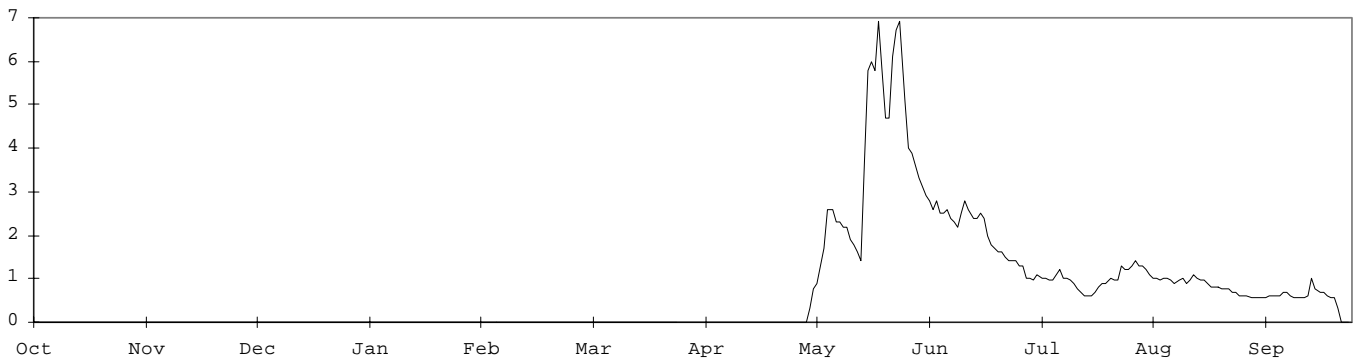
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
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	3.9	1.3	1.3	0.61
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.3	1.4	0.61
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.0	1.3	0.55
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32	3.1	1.0	1.3	0.55
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.9	0.96	1.2	0.55
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	2.8	1.1	1.1	0.55
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	1.0	1.0	0.55
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.8	1.0	1.0	0.61
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.5	0.96	0.96	0.61
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.5	0.96	1.0	0.61
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.6	1.1	1.0	0.61
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.4	1.2	0.96	0.68
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.3	1.0	0.89	0.68
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	1.0	0.96	0.61
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.5	0.96	1.0	0.55
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.8	0.89	0.89	0.55
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.6	0.75	0.96	0.55
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.4	0.68	1.1	0.55
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.4	0.61	1.0	0.61
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	2.5	0.61	0.96	1.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.4	0.61	0.96	0.75
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	2.0	0.68	0.89	0.68
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	1.8	0.82	0.82	0.68
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	1.7	0.89	0.82	0.61
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.6	0.89	0.82	0.55
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.6	1.0	0.75	0.55
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	1.5	0.96	0.75	0.32
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.4	0.96	0.75	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	6.9	1.4	1.3	0.68	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	5.1	1.4	1.2	0.68	0.0
31	0.0	---	0.0	0.0	---	0.0	---	4.0	---	1.2	0.61	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.06	71.5	29.89	29.81	16.33
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.16	2.38	0.96	0.96	0.54
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	195	142	59	59	32
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	3.9	1.3	1.4	1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.61	0.61	0.0

CAL YR 1988 TOTAL 186.49 MEAN 0.51 MAX 6.4 MIN 0.00 AC-FT 370  
WTR YR 1989 TOTAL 245.59 MEAN 0.67 MAX 6.9 MIN 0.00 AC-FT 487

MAX DISCH 10 CFS AT 2030 29-MAY-1989 GH 0.90 FT. SHIFT 0.00 FT. MAX GH 0.90 FT. AT 2030 29-MAY-1989



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO (1990)

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.--F-Type recorder at 3 ft Parshall flume.

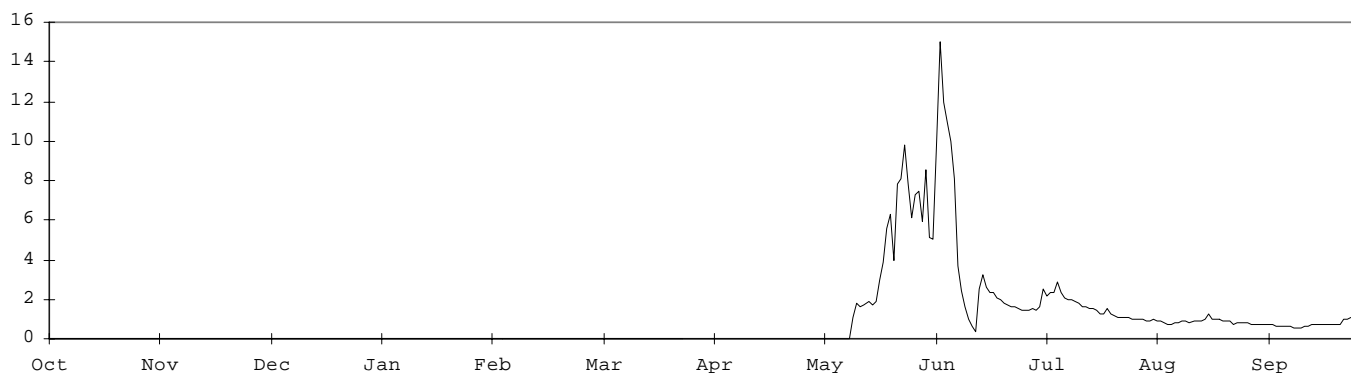
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
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	7.5	1.4	1.0	0.82
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	1.4	1.0	0.75
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	1.5	0.96	0.75
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.4	0.89	0.75
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.6	0.89	0.68
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.5	0.96	0.68
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	2.2	0.89	0.68
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.3	0.89	0.68
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.3	0.82	0.61
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.9	0.75	0.61
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	2.3	0.75	0.61
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.1	0.82	0.61
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.0	0.82	0.61
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6	2.0	0.89	0.55
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.0	1.9	0.89	0.55
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.61	1.8	0.82	0.55
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.33	1.6	0.89	0.61
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.5	1.6	0.89	0.61
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.2	1.5	0.89	0.68
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.6	1.5	0.96	0.68
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.3	1.4	1.3	0.75
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	2.3	1.3	1.0	0.68
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	2.1	1.3	0.96	0.75
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	2.0	1.5	0.96	0.75
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.8	1.3	0.89	0.75
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	1.7	1.2	0.89	0.68
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	1.6	1.1	0.89	0.75
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	1.6	1.1	0.75	0.96
29	0.0	0.0	0.0	0.0	---	0.0	0.0	7.8	1.5	1.1	0.82	1.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	6.1	1.4	1.1	0.82	1.1
31	0.0	---	0.0	0.0	---	0.0	---	7.3	---	1.0	0.82	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.4	134.34	51.2	27.77	21.24
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.63	4.48	1.65	0.90	0.71
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	161	266	102	55	42
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	15	2.9	1.3	1.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33	1.0	0.75	0.55

CAL YR 1989 TOTAL 245.59 MEAN 0.67 MAX 6.9 MIN 0.00 AC-FT 487  
 WTR YR 1990 TOTAL 315.95 MEAN 0.87 MAX 15 MIN 0.00 AC-FT 627

MAX DISCH 24 CFS AT 1930 07-JUN-1990 GH 1.55 FT. SHIFT 0.00 FT. MAX GH 1.55 FT. AT 1930 07-JUN-1990



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO (1983)

**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.

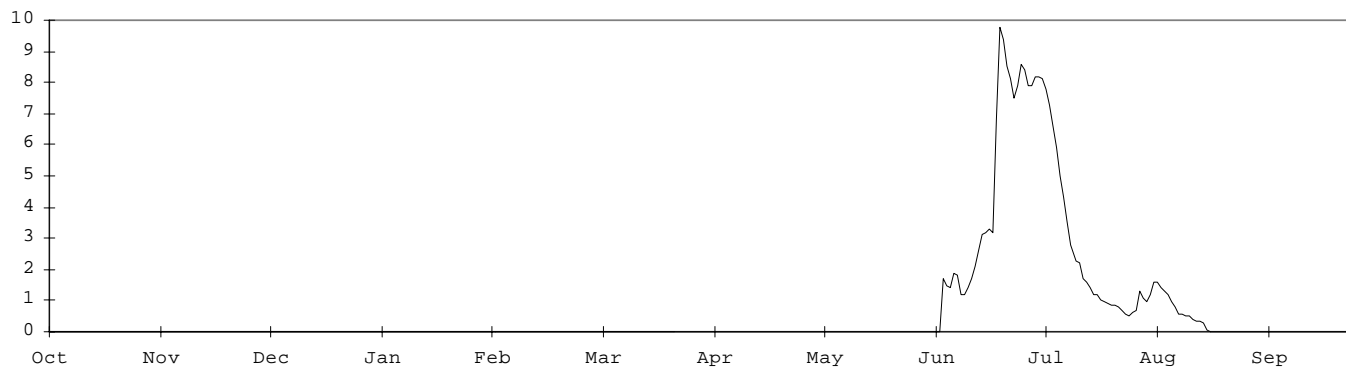
**RATING TABLE.**--TREDITCO01 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
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	8.4	0.66	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	1.3	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	1.1	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.99	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	1.2	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	1.6	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	1.6	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	7.3	1.4	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	6.6	1.3	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	5.9	1.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.0	0.99	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.3	0.77	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.5	0.56	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.8	0.56	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.3	0.51	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.2	0.51	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.7	0.38	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.6	0.34	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.4	0.34	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.2	0.26	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.2	0.08	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.99	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.93	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.88	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.88	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.82	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.71	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	7.9	0.56	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	8.6	0.51	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.61	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.9	111.39	17.65	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.26	3.59	0.57	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194	221	35	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	8.4	1.6	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0

CAL YR 1982 TOTAL 196.41 MEAN 0.54 MAX 8.9 MIN 0.00 AC-FT 390  
WTR YR 1983 TOTAL 226.94 MEAN 0.62 MAX 9.8 MIN 0.00 AC-FT 450

MAX DISCH 12 CFS AT 1800 23-JUN-1983 GH 1.27 FT. SHIFT 0.00 FT. MAX GH 1.27 FT. AT 1800 23-JUN-1983



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO (1984)

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.

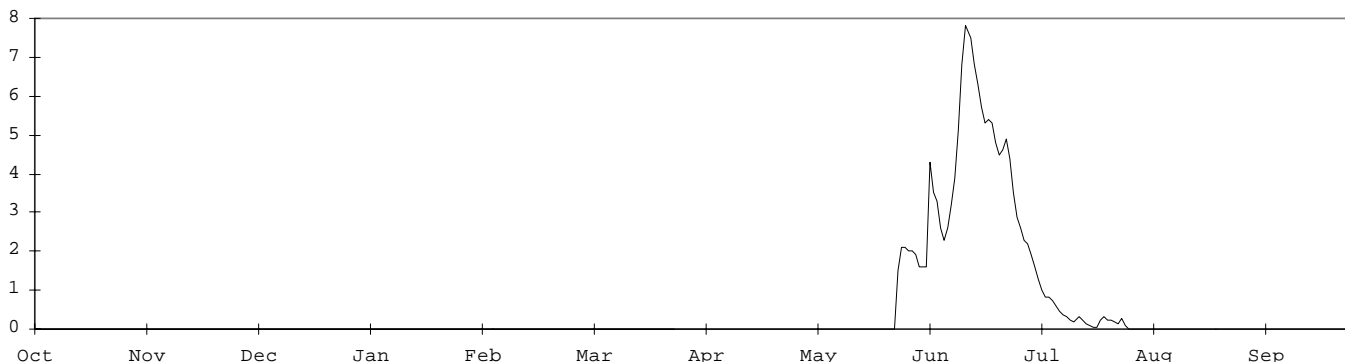
RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.3	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.2	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.9	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	1.3	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.99	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.82	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.82	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.71	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.61	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.47	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.38	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.34	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.23	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.19	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.34	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.23	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.16	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.10	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.05	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.03	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.23	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.30	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.23	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.23	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.19	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	4.4	0.13	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	3.5	0.26	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.9	0.09	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	2.0	2.6	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	2.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	126.6	17.43	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	4.22	0.56	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	251	35	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	7.8	2.3	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0

CAL YR 1983 TOTAL 226.94 MEAN 0.62 MAX 9.8 MIN 0.00 AC-FT 450  
WTR YR 1984 TOTAL 153.73 MEAN 0.42 MAX 7.8 MIN 0.00 AC-FT 305

MAX DISCH 8.3 CFS AT 1600 15-JUN-1984 GH 1.02 FT. SHIFT 0.00 FT. MAX GH 1.02 FT. AT 1600 15-JUN-1984



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO (1985)

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.

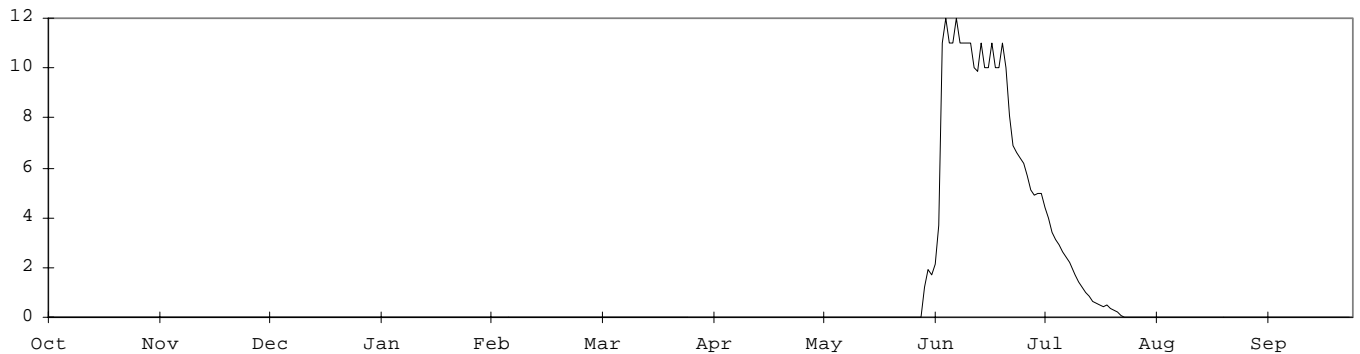
RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
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	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.1	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	4.9	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	4.4	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.4	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.1	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.9	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.6	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.4	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.2	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	1.7	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	1.4	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	1.2	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	1.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.88	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.66	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.56	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.47	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.42	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.47	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.34	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.30	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.19	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.05	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	6.6	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	6.4	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	242.5	66.54	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.08	2.15	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	481	132	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	6.2	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 1984 TOTAL 153.73 MEAN 0.42 MAX 7.8 MIN 0.00 AC-FT 305  
WTR YR 1985 TOTAL 309.04 MEAN 0.85 MAX 12 MIN 0.00 AC-FT 613

MAX DISCH 13 CFS AT 1700 12-JUN-1985 GH 1.37 FT. SHIFT -0.01 FT. MAX GH 1.37 FT. AT 1700 12-JUN-1985



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO (1986)

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.

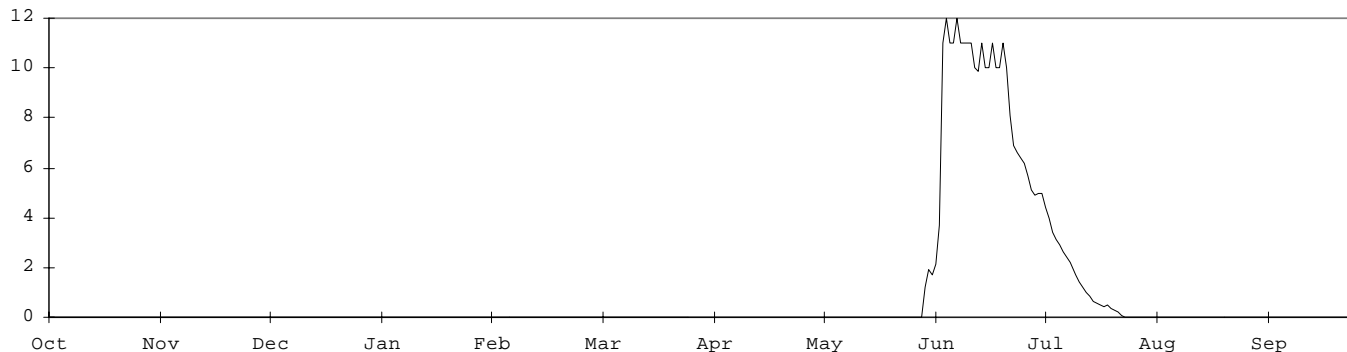
RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
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	7.6	0.61	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.38	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.06	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	3.2	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.34	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.34	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.38	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.34	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.26	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.23	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.23	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.23	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.19	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.23	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.23	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.23	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.23	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.23	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.23	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.19	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.16	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.16	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.16	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.16	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	9.4	0.13	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	8.6	0.51	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.66	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150.2	56.75	1.05	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.01	1.83	0.03	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	298	113	2.1	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	7.6	0.61	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0

CAL YR 1985 TOTAL 309.04 MEAN 0.85 MAX 12 MIN 0.00 AC-FT 613  
WTR YR 1986 TOTAL 208.00 MEAN 0.57 MAX 9.5 MIN 0.00 AC-FT 413

MAX DISCH 12 CFS AT 2000 27-JUN-1986 GH 1.27 FT. SHIFT 0.02 FT. MAX GH 1.27 FT. AT 2000 27-JUN-1986



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO (1987)

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

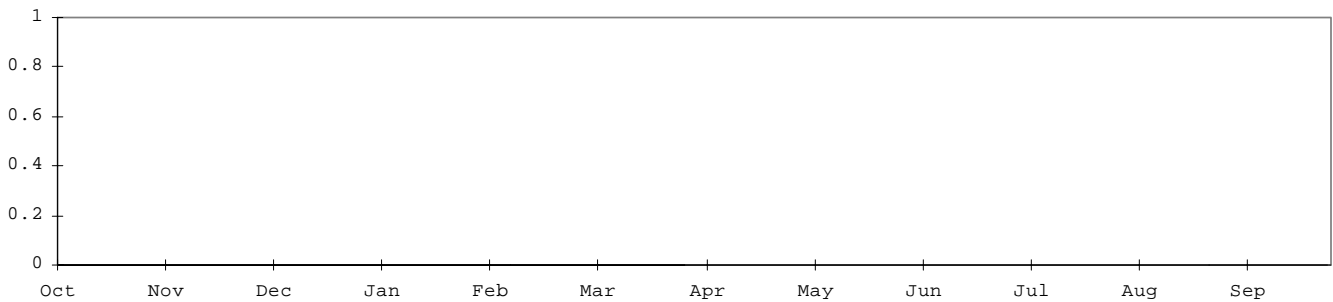
GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
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 1986 TOTAL 208.00 MEAN 0.57 MAX 9.5 MIN 0.00 AC-FT 413  
WTR YR 1987 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO (1988)

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.

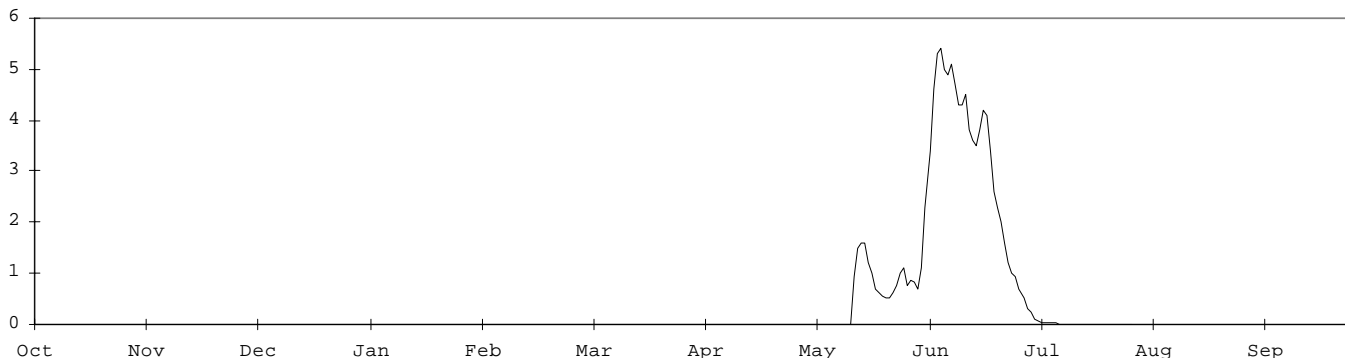
RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
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	0.82	0.51	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.30	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.23	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.10	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.08	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.05	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.05	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.05	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.05	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.02	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	4.5	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.8	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.6	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.5	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.8	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99	4.2	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	4.1	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	3.4	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	2.6	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	2.3	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	2.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	1.6	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	1.2	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.99	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.93	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.77	0.71	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.88	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.85	95.16	1.44	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	3.17	0.05	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	189	2.9	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.4	0.51	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0	0.0

CAL YR 1987 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1988 TOTAL 112.45 MEAN 0.31 MAX 5.4 MIN 0.00 AC-FT 223

MAX DISCH 6.1 CFS AT 1900 11-JUN-1988 GH 0.84 FT. SHIFT 0.00 FT. MAX GH 0.84 FT. AT 1900 11-JUN-1988



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO (1989)

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.

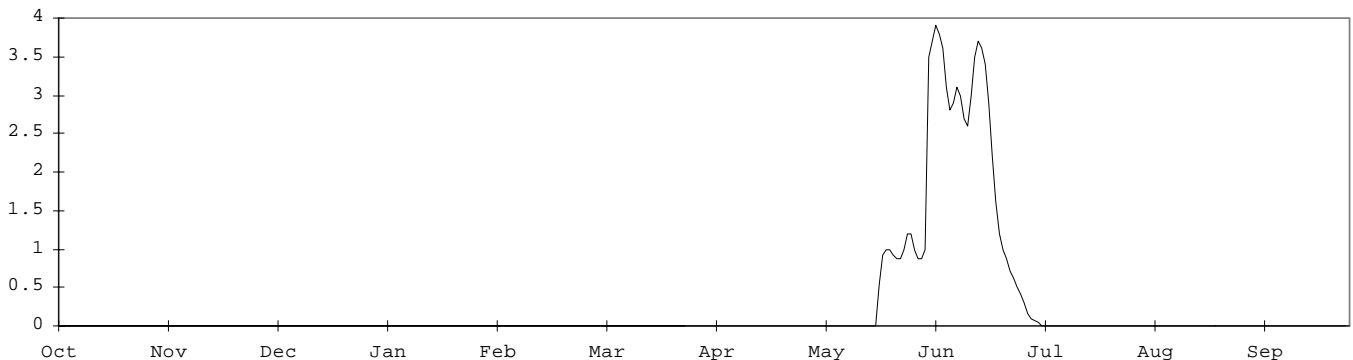
RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
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	0.88	0.30	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.16	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.10	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.08	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.05	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.01	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	2.9	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	2.2	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.6	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.2	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	1.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.88	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.71	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.61	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	1.2	0.51	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	1.2	0.42	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	1.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.54	70.69	0.70	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	2.36	0.02	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	140	1.4	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.9	0.30	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0

CAL YR 1988 TOTAL 112.45 MEAN 0.31 MAX 5.4 MIN 0.00 AC-FT 223  
WTR YR 1989 TOTAL 81.93 MEAN 0.22 MAX 3.9 MIN 0.00 AC-FT 163

MAX DISCH 4.6 CFS AT 1700 05-JUN-1989 GH 0.73 FT. SHIFT -0.03 FT. MAX GH 0.73 FT. AT 1700 05-JUN-1989



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO (1990)

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.

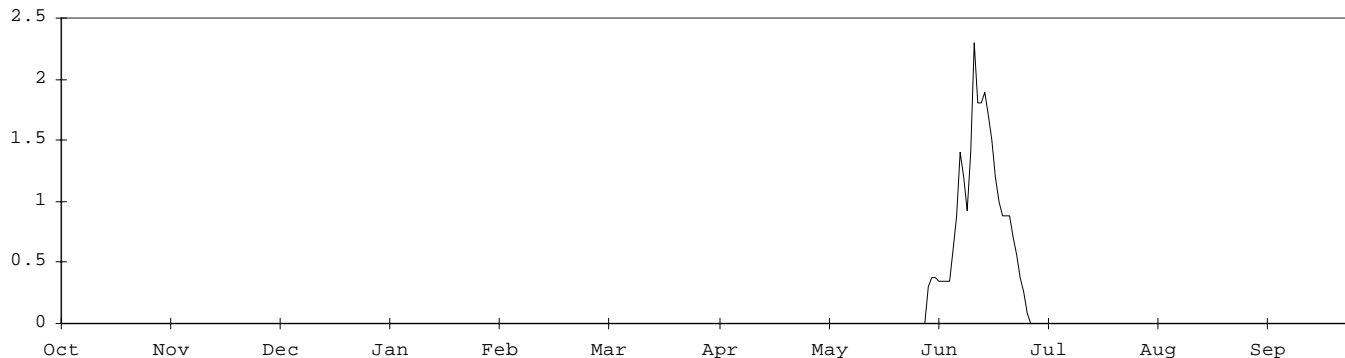
RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
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	0.08	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	0.30	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.38	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.26	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	26.58	0.08	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.00	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53	0.16	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.08	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 1989 TOTAL 81.93 MEAN 0.22 MAX 3.9 MIN 0.00 AC-FT 163  
WTR YR 1990 TOTAL 26.66 MEAN 0.07 MAX 2.3 MIN 0.00 AC-FT 53

MAX DISCH 3.4 CFS AT 2030 15-JUN-1990 GH 0.57 FT. SHIFT 0.01 FT. MAX GH 0.57 FT. AT 2030 15-JUN-1990



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO (1983)

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

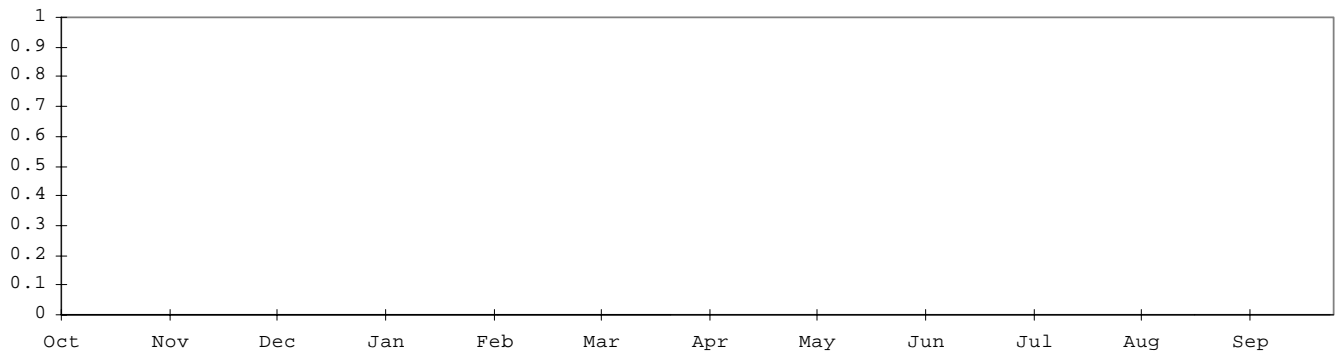
GAGE.--Graphic water-stage recorder at 9 in. Parshall flume.

RATING TABLE.--DLFDT1C002 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
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 1982 TOTAL 40.58 MEAN 0.11 MAX 4.1 MIN 0.00 AC-FT 80  
WTR YR 1983 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO (1984)

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.

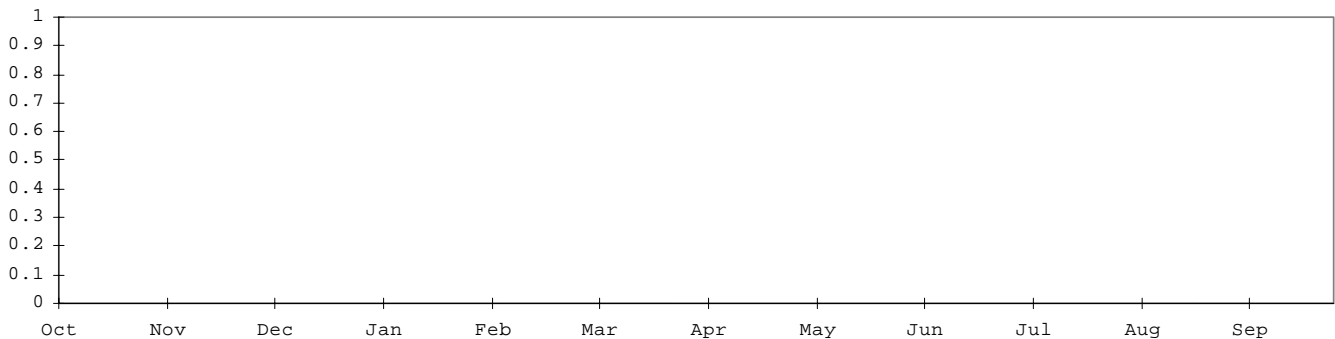
DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 9 in. Parshall flume.

RATING TABLE.--DLFDT1CO02 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1983 TOTAL			0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00	
WTR YR 1984 TOTAL			0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00	



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO (1985)

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.

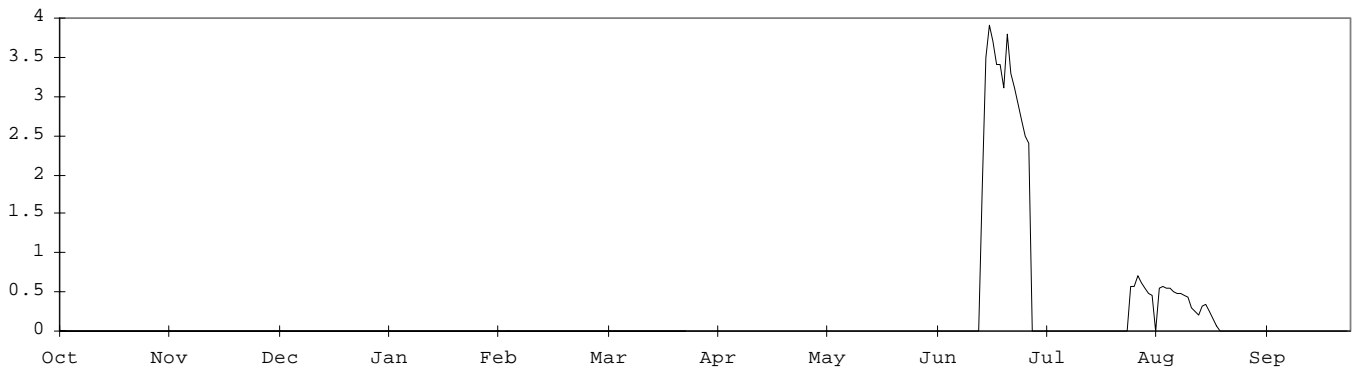
RATING TABLE.--DLFDT1C002 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
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	2.5	0.58	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.71	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	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	0.54	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.20	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.32	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.35	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.25	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.16	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.06	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	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	3.3	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.9	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.7	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.58	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	5.48	9.85	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.29	0.18	0.32	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	11	20	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	2.5	0.71	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 1984 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1985 TOTAL 53.93 MEAN 0.15 MAX 3.9 MIN 0.00 AC-FT 107

MAX DISCH 5.3 CFS AT 1600 26-JUN-1985 GH 1.21 FT. SHIFT 0.00 FT. MAX GH 1.21 FT. AT 1600 26-JUN-1985



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO (1986)

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

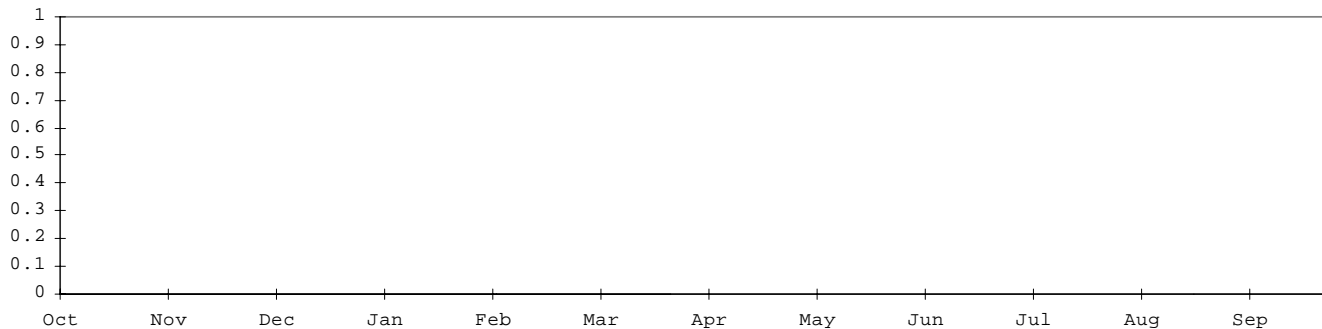
GAGE.--Graphic water-stage recorder at 9 in. Parshall flume.

RATING TABLE.--DLFDT1CO02 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
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 1985 TOTAL 53.93 MEAN 0.15 MAX 3.9 MIN 0.00 AC-FT 107  
WTR YR 1986 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO (1987)

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.

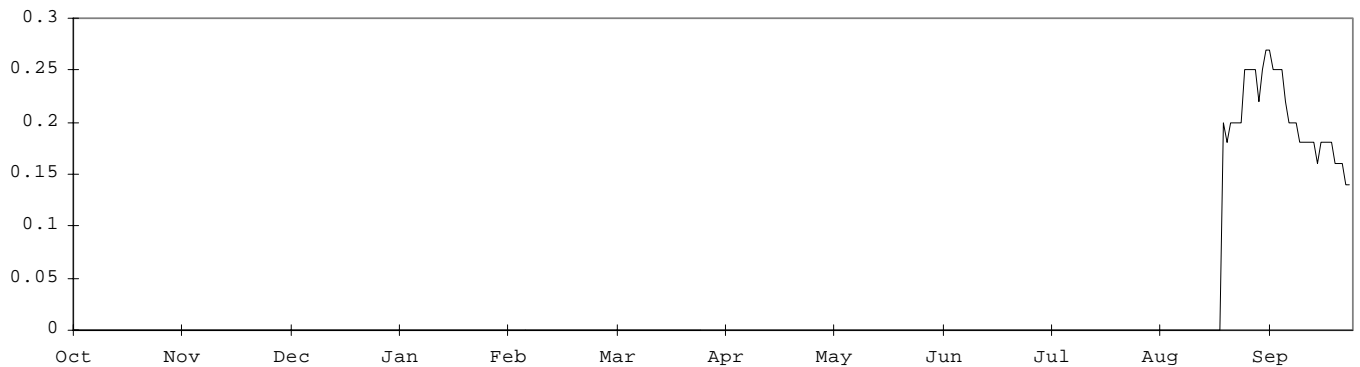
RATING TABLE.--DLFDT1C002 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
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	0.25
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.18
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.16
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.16
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.16
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.20	0.14
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.20	0.14
31	0.0	---	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	0.0	0.0	1.43	6.12
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.20
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	12
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.27
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14

CAL YR 1986 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1987 TOTAL 7.55 MEAN 0.02 MAX 0.27 MIN 0.00 AC-FT 15

MAX DISCH 0.32 CFS AT 1700 25-AUG-1987 GH 0.19 FT. SHIFT 0.00 FT. MAX GH 0.19 FT. AT 1700 25-AUG-1987



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO (1988)

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.

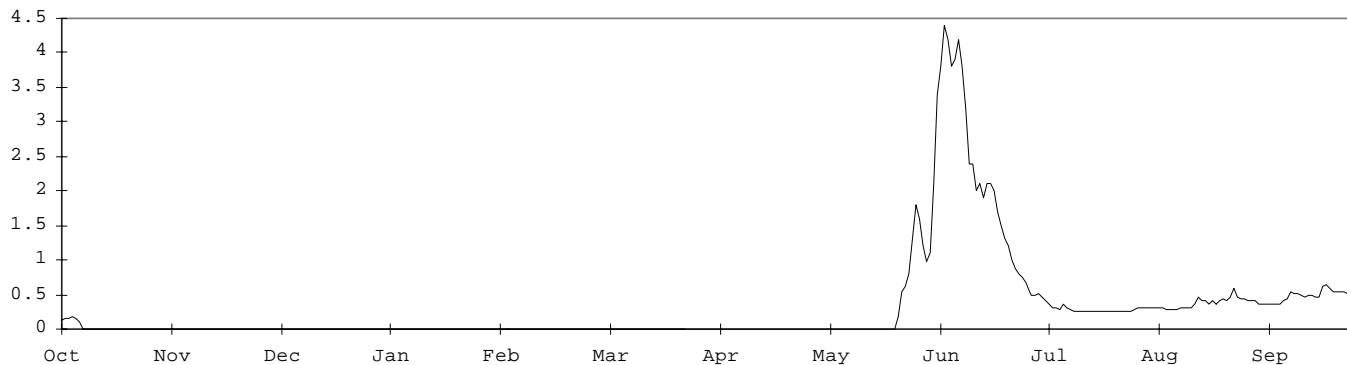
RATING TABLE.--DLFDT1CO02 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.49	0.32	0.40
2	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.49	0.32	0.40
3	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.51	0.32	0.37
4	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.46	0.32	0.37
5	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.40	0.32	0.37
6	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.37	0.32	0.37
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.32	0.32	0.37
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.32	0.29	0.37
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.29	0.29	0.37
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.35	0.29	0.40
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.32	0.29	0.43
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.29	0.32	0.54
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.27	0.32	0.51
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.27	0.32	0.51
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.27	0.32	0.49
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.27	0.37	0.46
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.27	0.46	0.49
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.27	0.40	0.49
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.27	0.40	0.46
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.27	0.37	0.46
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.27	0.40	0.61
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.27	0.37	0.64
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.27	0.40	0.58
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	1.2	0.27	0.43	0.54
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54	1.0	0.27	0.40	0.54
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.88	0.27	0.46	0.54
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	0.80	0.27	0.58	0.54
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.74	0.27	0.46	0.51
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.68	0.27	0.43	0.49
30	0.0	0.0	0.0	0.0	---	0.0	0.0	1.6	0.54	0.29	0.43	0.49
31	0.0	---	0.0	0.0	---	0.0	---	1.2	---	0.32	0.40	---
TOTAL	0.91	0.0	0.0	0.0	0.0	0.0	0.0	8.02	66.23	9.81	11.44	14.11
MEAN	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.26	2.21	0.32	0.37	0.47
AC-FT	1.8	0.0	0.0	0.0	0.0	0.0	0.0	16	131	19	23	28
MAX	0.18	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.4	0.51	0.58	0.64
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.27	0.29	0.37

CAL YR 1987 TOTAL 8.46 MEAN 0.02 MAX 0.27 MIN 0.00 AC-FT 17  
WTR YR 1988 TOTAL 110.52 MEAN 0.30 MAX 4.4 MIN 0.00 AC-FT 219

MAX DISCH 6.3 CFS AT 1600 10-JUN-1988 GH 1.35 FT. SHIFT 0.00 FT. MAX GH 1.35 FT. AT 1600 10-JUN-1988



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO (1989)

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.

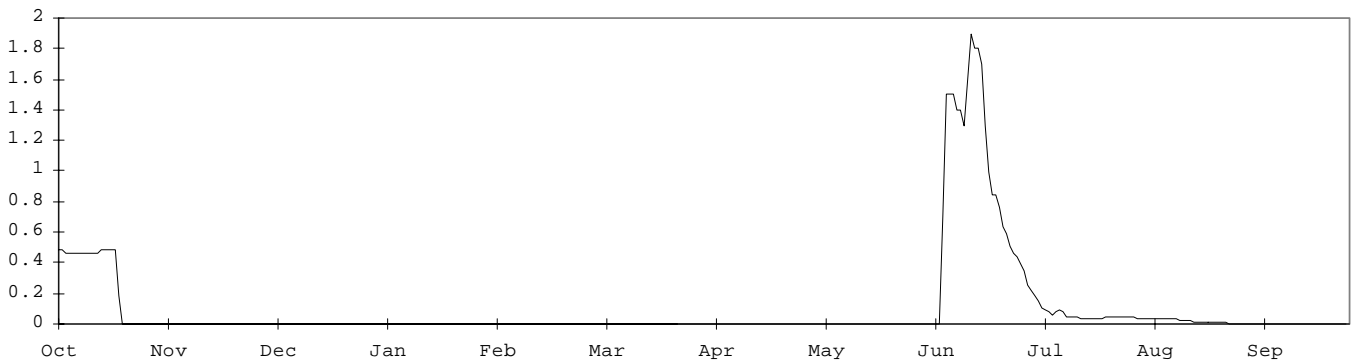
RATING TABLE.--DLFDT1C002 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.05	0.0
2	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.04	0.0
3	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.04	0.0
4	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.04	0.0
5	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.04	0.0
6	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.04	0.0
7	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.04	0.0
8	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.08	0.03	0.0
9	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.06	0.03	0.0
10	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.08	0.03	0.0
11	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.09	0.03	0.0
12	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.08	0.03	0.0
13	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.05	0.03	0.0
14	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.05	0.02	0.0
15	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.05	0.02	0.0
16	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.05	0.02	0.0
17	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.04	0.02	0.0
18	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.04	0.01	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.04	0.01	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.04	0.01	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.03	0.01	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.84	0.03	0.01	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.84	0.04	0.01	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.05	0.01	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.05	0.01	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.05	0.01	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.05	0.01	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.05	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.44	0.05	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.39	0.05	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.05	0.0	---
TOTAL	8.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.88	2.61	0.65	0.0
MEAN	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.86	0.08	0.02	0.0
AC-FT	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	5.2	1.3	0.0
MAX	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.35	0.05	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0

CAL YR 1988 TOTAL 117.82 MEAN 0.32 MAX 4.4 MIN 0.00 AC-FT 234  
WTR YR 1989 TOTAL 37.35 MEAN 0.10 MAX 1.9 MIN 0.00 AC-FT 74

MAX DISCH 3.0 CFS AT 1530 16-JUN-1989 GH 0.94 FT. SHIFT 0.05 FT. MAX GH 0.94 FT. AT 1530 16-JUN-1989



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO (1990)

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

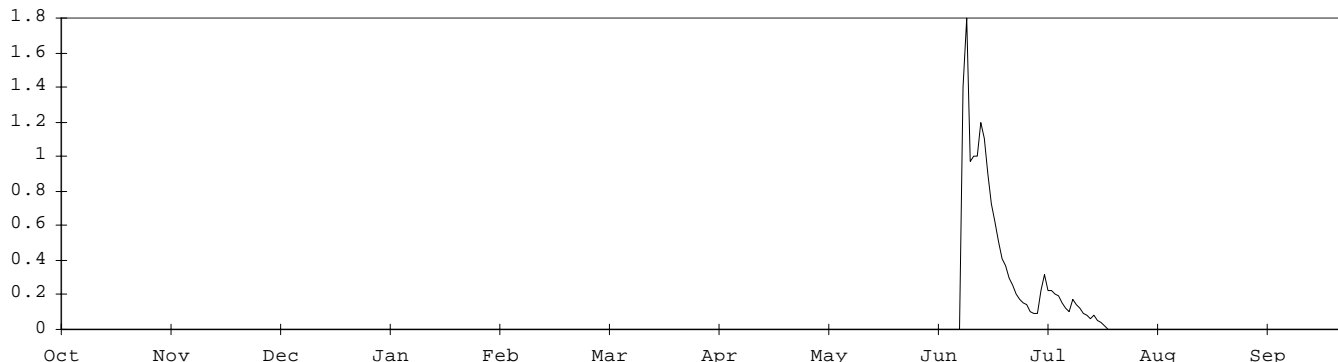
GAGE.--Graphic water-stage recorder at 9 in. Parshall flume.

RATING TABLE.--DLFDT1CO02 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
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	0.14	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.10	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.17	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.97	0.14	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.12	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.09	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.08	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.06	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.08	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.05	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.04	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.02	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.17	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.15	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	13.09	3.02	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.44	0.10	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	6.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.32	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1989 TOTAL 29.14 MEAN 0.08 MAX 1.9 MIN 0.00 AC-FT 58  
 WTR YR 1990 TOTAL 16.11 MEAN 0.04 MAX 1.8 MIN 0.00 AC-FT 32  
 MAX DISCH 4.4 CFS AT 1600 13-JUN-1990 GH 1.29 FT. SHIFT -0.02 FT. MAX GH 1.29 FT. AT 1600 13-JUN-1990



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO (1983)

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

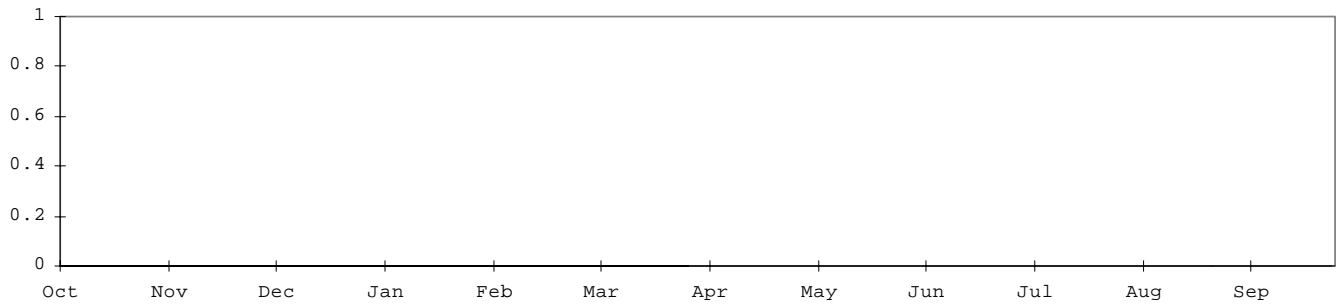
GAGE.--Graphic water-stage recorder at 1.5 ft Parshall flume.

RATING TABLE.--DLFDT2C002 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
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 1982 TOTAL 65.63 MEAN 0.18 MAX 5.4 MIN 0.00 AC-FT 130  
WTR YR 1983 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO (1984)

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.

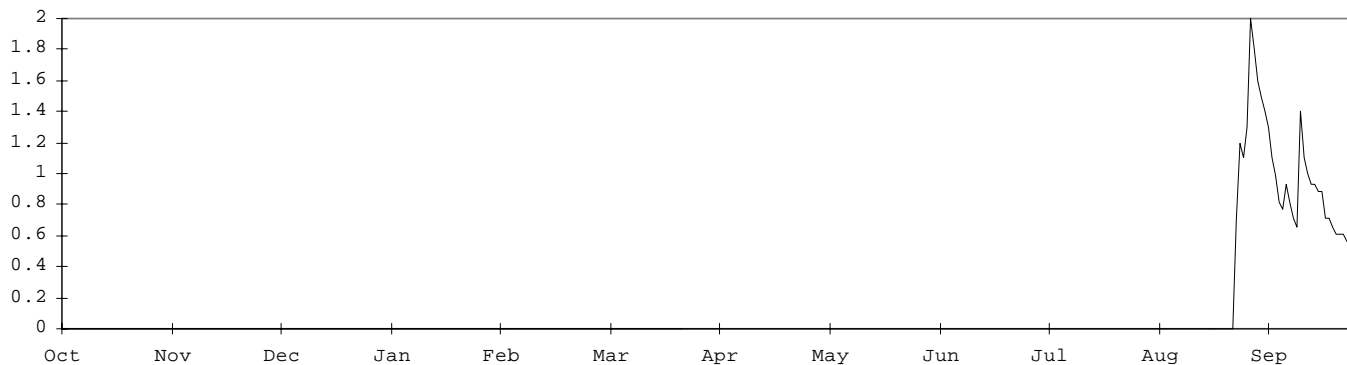
RATING TABLE.--DLFDT2CO02 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.56
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.56
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	1.1	0.51
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	1.3	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.30	29.06
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.97
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	58
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51

CAL YR 1983 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1984 TOTAL 33.36 MEAN 0.09 MAX 2.0 MIN 0.00 AC-FT 66

MAX DISCH 3.9 CFS AT 2330 31-AUG-1984 GH 0.61 FT. SHIFT 0.02 FT. MAX GH 0.61 FT. AT 2330 31-AUG-1984



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO (1985)

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.

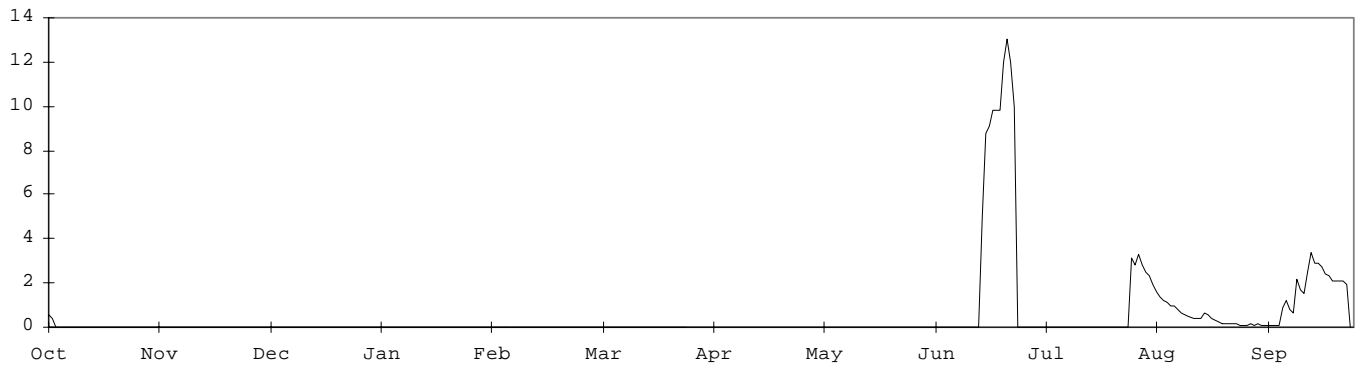
RATING TABLE.--DLFDT2C002 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.05
2	0.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.16
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.10
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.19
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.08
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.08
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.08
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.10
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.08
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.05
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	1.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.77
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.61
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	2.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	1.7
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	1.5
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	2.5
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.38	3.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.61	2.9
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.56	2.9
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.38	2.7
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.30	2.4
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.23	2.3
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.19	2.1
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.16	2.1
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.13	2.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.16	2.1
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.13	1.9
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.10	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	3.1	0.08	---
TOTAL	0.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.3	3.1	29.54	39.23
MEAN	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.31	0.10	0.95	1.31
AC-FT	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	6.1	59	78
MAX	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.1	3.3	3.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0

CAL YR 1984 TOTAL 34.33 MEAN 0.09 MAX 2.0 MIN 0.00 AC-FT 68  
WTR YR 1985 TOTAL 172.14 MEAN 0.47 MAX 13 MIN 0.00 AC-FT 341

MAX DISCH 19 CFS AT 1730 26-JUN-1985 GH 1.82 FT. SHIFT -0.08 FT. MAX GH 1.82 FT. AT 1730 26-JUN-1985



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO (1986)

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.

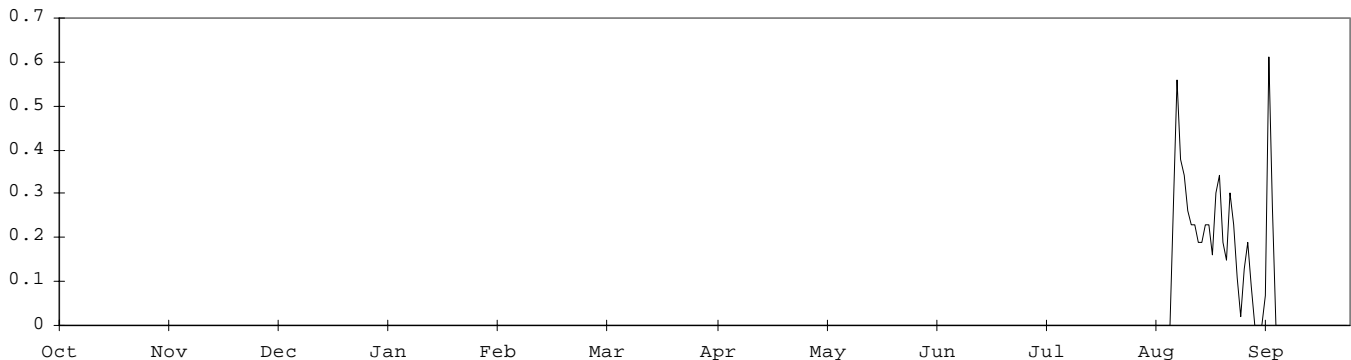
RATING TABLE.--DLFDT2CO02 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
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	0.13
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09
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	0.07
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27
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	0.28	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0
28	0.0	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	0.23	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.11	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.02	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.92	1.36
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.05
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	2.7
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.61
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1985 TOTAL 171.17 MEAN 0.47 MAX 13 MIN 0.00 AC-FT 340  
WTR YR 1986 TOTAL 6.28 MEAN 0.02 MAX 0.61 MIN 0.00 AC-FT 12

MAX DISCH 1.3 CFS AT 0030 08-SEP-1986 GH 0.39 FT. SHIFT -0.08 FT. MAX GH 0.39 FT. AT 0030 08-SEP-1986



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO (1987)

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.

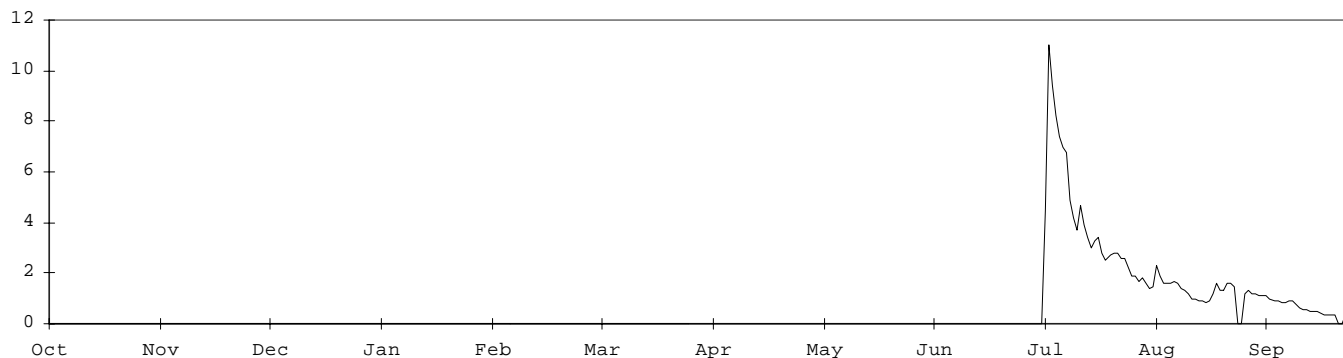
RATING TABLE.--DLFDT2C002 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
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	1.9	1.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.3
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.2
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.1
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	2.3
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	1.9
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	1.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	1.6
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	1.6
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	1.7
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	1.6
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	1.4
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.3
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.2
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.99
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.93
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.88
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.82
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.88
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.2
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.6
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.3
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.3
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.6
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.6
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	2.6	1.5
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	2.2	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	1.9	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.7	41.70	21.10
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.60	1.35	0.70
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	222	83	42
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.3	1.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1986 TOTAL 6.28 MEAN 0.02 MAX 0.61 MIN 0.00 AC-FT 12  
WTR YR 1987 TOTAL 174.50 MEAN 0.48 MAX 11 MIN 0.00 AC-FT 346

MAX DISCH 11 CFS AT 2200 07-JUL-1987 GH 1.37 FT. SHIFT -0.12 FT. MAX GH 1.37 FT. AT 2200 07-JUL-1987



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO (1988)

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.

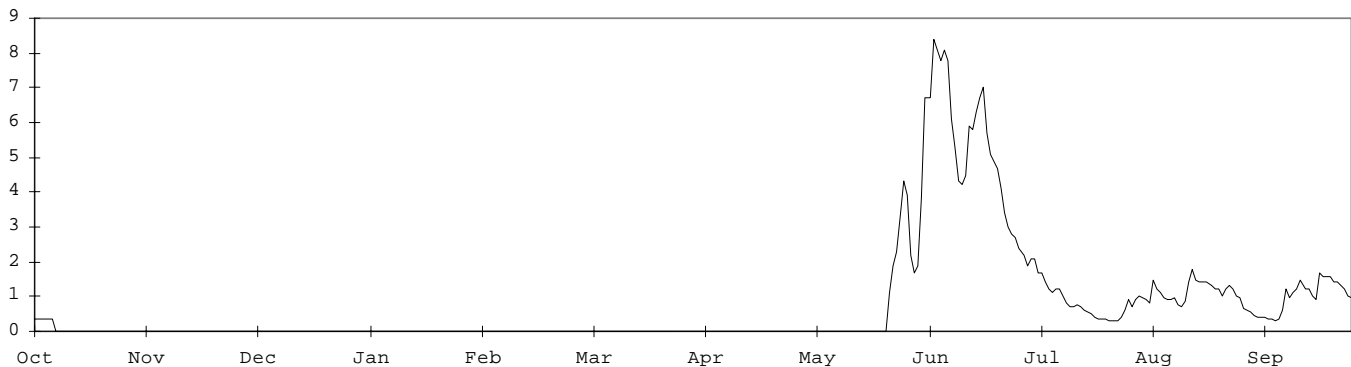
RATING TABLE.--DLFDT2CO02 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.2	0.93	0.61
2	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.0	0.56
3	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	2.1	0.99	0.47
4	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.1	0.93	0.42
5	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.7	0.82	0.42
6	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	1.7	1.5	0.42
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	1.4	1.2	0.38
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	1.2	1.1	0.34
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	1.1	0.99	0.30
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	1.2	0.93	0.34
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	1.2	0.93	0.61
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	1.0	0.99	1.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.82	0.77	0.99
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.71	0.71	1.1
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.71	0.88	1.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.77	1.4	1.5
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.71	1.8	1.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.61	1.5	1.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.56	1.4	1.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.51	1.4	0.93
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.42	1.4	1.7
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.38	1.3	1.6
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.34	1.2	1.6
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.38	1.2	1.6
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.1	0.30	1.0	1.4
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.4	0.30	1.2	1.4
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.0	0.30	1.3	1.3
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	2.8	0.42	1.2	1.2
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	2.7	0.61	1.0	1.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	3.9	2.4	0.93	0.99	0.99
31	0.0	---	0.0	0.0	---	0.0	---	2.2	---	0.71	0.66	---
TOTAL	2.16	0.0	0.0	0.0	0.0	0.0	0.0	19.0	155.9	29.29	34.62	28.98
MEAN	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.61	5.20	0.94	1.12	0.97
AC-FT	4.3	0.0	0.0	0.0	0.0	0.0	0.0	38	309	58	69	57
MAX	0.38	0.0	0.0	0.0	0.0	0.0	0.0	4.3	8.4	2.2	1.8	1.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.30	0.66	0.30

CAL YR 1987 TOTAL 176.66 MEAN 0.48 MAX 11 MIN 0.00 AC-FT 350  
WTR YR 1988 TOTAL 269.95 MEAN 0.74 MAX 8.4 MIN 0.00 AC-FT 535

MAX DISCH 12 CFS AT 1900 06-JUN-1988 GH 1.43 FT. SHIFT -0.12 FT. MAX GH 1.43 FT. AT 1900 06-JUN-1988



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO (1989)

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.

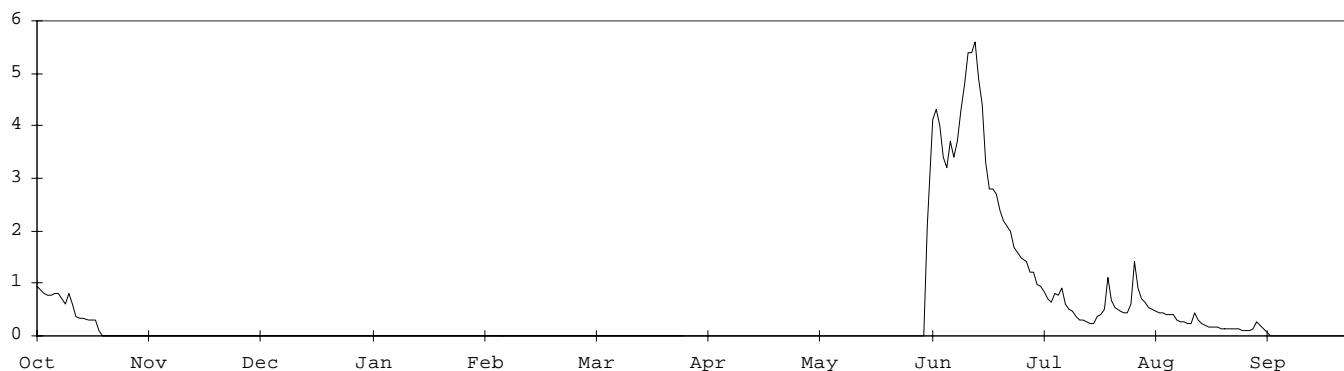
RATING TABLE.--DLFDT2C001 USED FROM 01-OCT-1988 TO 31-MAY-1989  
DLFDT2C002 USED FROM 01-JUN-1989 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.4	0.10
2	0.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.90	0.10
3	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.71	0.12
4	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.63	0.28
5	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.99	0.55	0.20
6	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.94	0.51	0.12
7	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.85	0.47	0.07
8	0.71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.71	0.43	0.0
9	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.63	0.43	0.0
10	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.80	0.39	0.0
11	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.76	0.39	0.0
12	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.90	0.39	0.0
13	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.59	0.29	0.0
14	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.51	0.26	0.0
15	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.47	0.26	0.0
16	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.36	0.23	0.0
17	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.32	0.23	0.0
18	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.29	0.43	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.26	0.29	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.23	0.23	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.23	0.20	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.37	0.17	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.40	0.17	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.51	0.17	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.1	0.15	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.67	0.12	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.55	0.15	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.47	0.12	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.7	0.43	0.12	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.6	0.43	0.12	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.60	0.10	---
TOTAL	10.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.3	20.67	11.01	0.99
MEAN	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.01	0.67	0.36	0.03
AC-FT	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	41	22	2.0
MAX	0.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	1.5	1.4	0.28
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.10	0.0

CAL YR 1988 TOTAL 278.42 MEAN 0.76 MAX 8.4 MIN 0.00 AC-FT 552  
WTR YR 1989 TOTAL 133.60 MEAN 0.37 MAX 5.6 MIN 0.00 AC-FT 265

MAX DISCH 8.4 CFS AT 1600 16-JUN-1989 GH 1.27 FT. SHIFT -0.03 FT. MAX GH 1.27 FT. AT 1600 16-JUN-1989



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO (1990)

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.

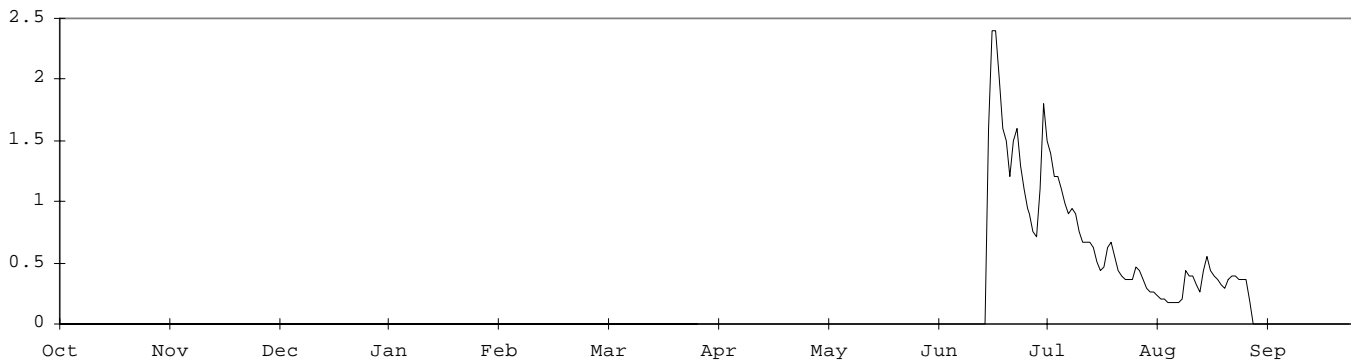
RATING TABLE.--DLFDT2CO02 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
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	0.94	0.47	0.36
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.43	0.19
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.36	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.29	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.26	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.26	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.23	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.20	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.20	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.17	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.17	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.17	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.17	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.20	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.43	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.39	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.39	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.32	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.26	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.63	0.43	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.51	0.55	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.43	0.43	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.47	0.39	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.63	0.36	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.67	0.32	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.55	0.29	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.43	0.36	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.39	0.39	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.3	0.36	0.39	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.1	0.36	0.36	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.36	0.36	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	24.90	10.00	0.55
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.80	0.32	0.02
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	49	20	1.1
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.8	0.55	0.36
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.17	0.0

CAL YR 1989 TOTAL 122.97 MEAN 0.34 MAX 5.6 MIN 0.00 AC-FT 244  
WTR YR 1990 TOTAL 53.65 MEAN 0.15 MAX 2.4 MIN 0.00 AC-FT 106

MAX DISCH 5.1 CFS AT 1700 20-JUN-1990 GH 0.92 FT. SHIFT -0.02 FT. MAX GH 0.92 FT. AT 1700 20-JUN-1990



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO (1981)

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

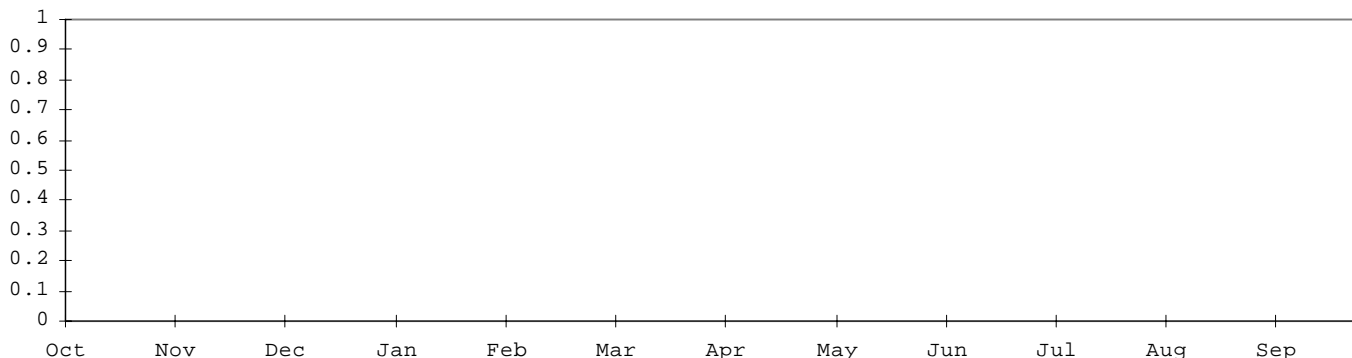
DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

RATING TABLE.--WCSGITC001 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
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 1980 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1981 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO (1982)

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

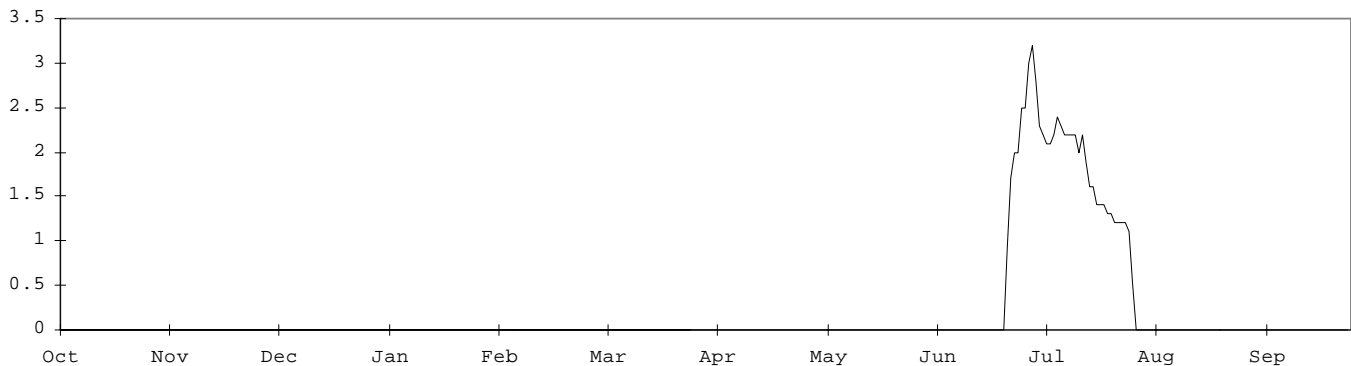
RATING TABLE.--WCSGITCO01 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982  
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	2.5	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.92	1.2	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.2	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.2	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.0	1.2	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.5	1.1	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.52	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.12	58.42	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.88	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	116	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.2	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.0

CAL YR 1981 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1982 TOTAL 67.54 MEAN 0.19 MAX 3.2 MIN 0.00 AC-FT 134

MAX DISCH 4.6 CFS AT 2400 16-JUL-1982 GH 0.68 FT. SHIFT +0.02 FT. MAX GH 0.68 FT. AT 2400 16-JUL-1982



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO (1983)

**LOCATION.**--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

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

**GAGE.**--Graphic water-stage recorder at a 2' Parshall Flume.

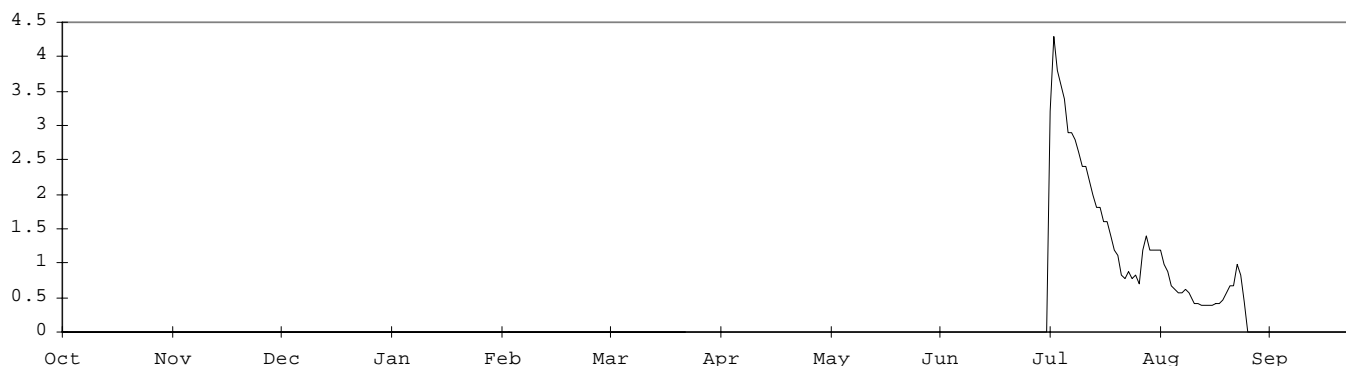
**RATING TABLE.**--WCSGITC001 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
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	0.71	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.2	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.99	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.88	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.66	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.61	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.56	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.56	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.61	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.56	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.47	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.42	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.42	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.38	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.38	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.38	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.38	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.42	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.42	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.47	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.56	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.66	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.66	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.88	0.99	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.77	0.82	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.82	0.45	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.06	21.82	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.71	0.70	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	43	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	1.4	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.0

CAL YR 1982 TOTAL 67.54 MEAN 0.19 MAX 3.2 MIN 0.00 AC-FT 134  
WTR YR 1983 TOTAL 74.88 MEAN 0.21 MAX 4.3 MIN 0.00 AC-FT 149

MAX DISCH 6.8 CFS AT 1600 07-JUL-1983 GH 0.88 FT. SHIFT 0.02 FT. MAX GH 0.88 FT. AT 1600 07-JUL-1983



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO (1984)

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

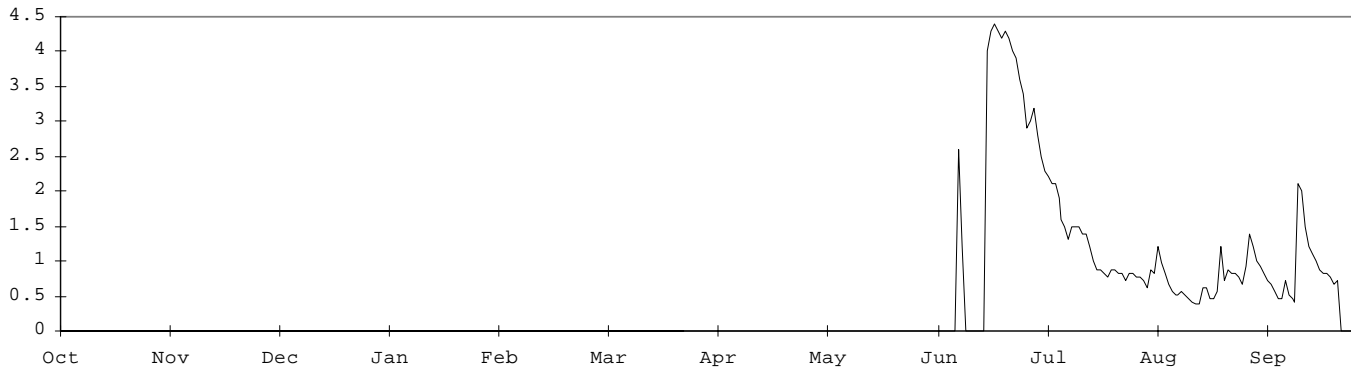
RATING TABLE.--WCSBITCO01 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
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	0.77	1.4
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.71	1.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.61	1.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.88	0.93
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.82	0.82
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.2	0.71
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.99	0.66
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.82	0.56
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.66	0.47
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.56	0.47
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.5	0.51	0.71
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.3	0.51	0.51
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.56	0.47
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.51	0.42
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.47	2.1
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.42	2.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.38	1.5
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.38	1.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.0	0.61	1.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.88	0.61	1.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.88	0.47	0.88
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.82	0.47	0.82
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.77	0.56	0.82
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.88	1.2	0.77
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.88	0.71	0.66
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.82	0.88	0.71
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.82	0.82	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.71	0.82	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.82	0.77	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.9	0.82	0.66	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.77	0.93	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.3	45.87	21.27	23.89
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.71	1.48	0.69	0.80
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	91	42	47
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	3.2	1.2	2.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.38	0.0

CAL YR 1983 TOTAL 74.88 MEAN 0.21 MAX 4.3 MIN 0.00 AC-FT 149  
WTR YR 1984 TOTAL 142.33 MEAN 0.39 MAX 4.4 MIN 0.00 AC-FT 282

MAX DISCH 6.2 CFS AT 1700 21-JUN-1984 GH 0.84 FT. SHIFT 0.01 FT. MAX GH 0.84 FT. AT 1700 21-JUN-1984



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO (1985)

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

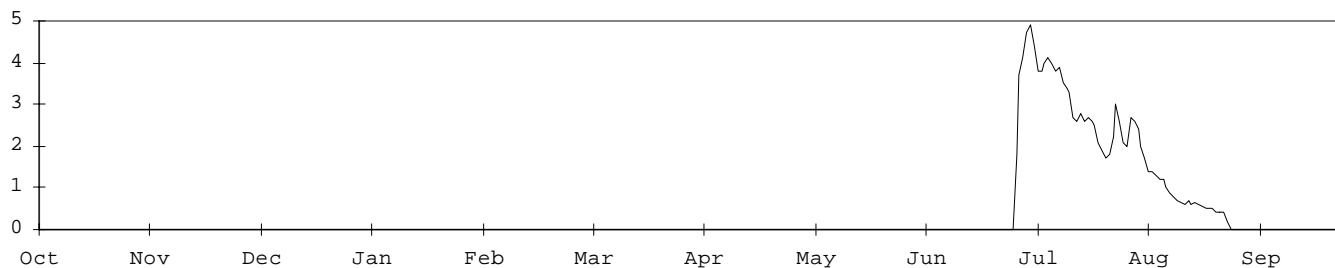
RATING TABLE.--WCSGITC001 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
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	1.8	2.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.7	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.6	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.4	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	1.7	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	1.4	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	1.4	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.3	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.2	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	1.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.88	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.77	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.71	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.66	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.61	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.71	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.61	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.66	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.61	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.56	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.51	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.51	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.51	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.42	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.42	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.42	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	3.0	0.19	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	2.6	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.1	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.1	30.66	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.13	0.99	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	193	61	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.7	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0

CAL YR 1984 TOTAL 142.33 MEAN 0.39 MAX 4.4 MIN 0.00 AC-FT 282  
WTR YR 1985 TOTAL 127.76 MEAN 0.35 MAX 4.9 MIN 0.00 AC-FT 253

MAX DISCH 6.7 CFS AT 1800 04-JUL-1985 GH 0.88 FT. SHIFT 0.01 FT. MAX GH 0.88 FT. AT 1800 04-JUL-1985



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO (1986)

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

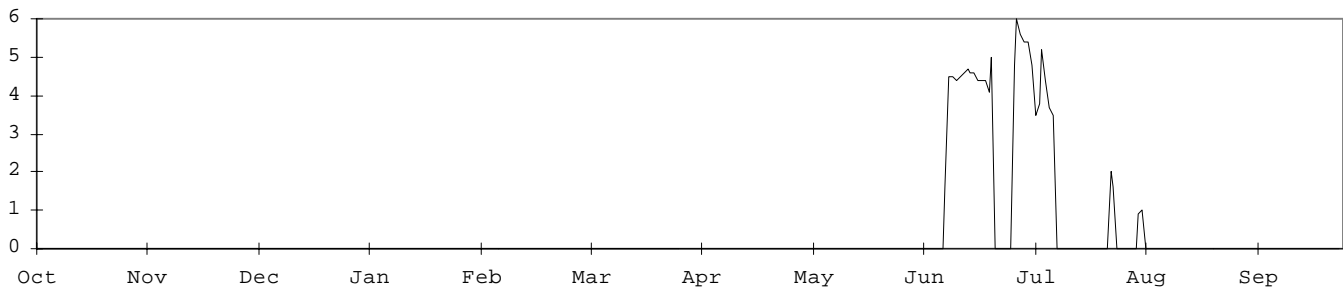
RATING TABLE.--WCSGITCO01 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.93	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.99	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.5	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	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	4.1	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	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	2.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	1.6	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	60.3	59.7	1.92	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.01	1.93	0.06	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120	118	3.8	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.0	0.99	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 1985 TOTAL 127.76 MEAN 0.35 MAX 4.9 MIN 0.00 AC-FT 253  
WTR YR 1986 TOTAL 121.92 MEAN 0.33 MAX 6.0 MIN 0.00 AC-FT 242

MAX DISCH 8.5 CFS AT 1830 08-JUL-1986 GH 1.02 FT. SHIFT 0.02 FT. MAX GH 1.02 FT. AT 1830 08-JUL-1986



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO (1987)

**LOCATION.**--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

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

**GAGE.**--Graphic water-stage recorder at a 2' Parshall Flume.

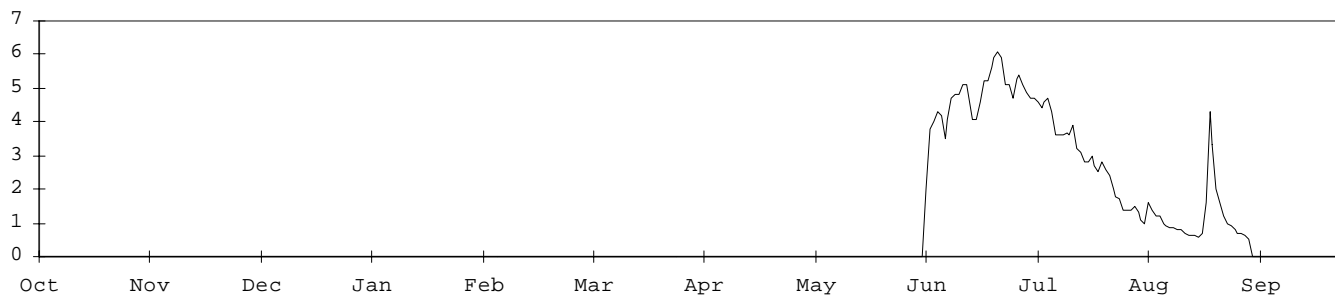
**RATING TABLE.**--WCSGITC001 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	1.4	0.71
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.4	0.66
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.5	0.61
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	1.3	0.51
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.1	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.7	1.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.6	1.6	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.4	1.4	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.6	1.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.7	1.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	4.3	0.99	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.6	0.93	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	3.6	0.88	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	3.6	0.88	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	3.7	0.82	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	3.6	0.82	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	3.9	0.71	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	3.2	0.61	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.1	0.61	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.8	0.61	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.8	0.56	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	3.0	0.66	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	2.7	1.6	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	2.5	4.3	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	2.8	3.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	2.6	2.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	2.4	1.6	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	2.0	1.2	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.1	1.8	1.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.7	1.7	0.93	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	1.4	0.82	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116.4	109.5	38.93	2.49
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.88	3.53	1.26	0.08
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	231	217	77	4.9
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	5.4	4.3	0.71
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.56	0.0

CAL YR 1986 TOTAL 121.92 MEAN 0.33 MAX 6.0 MIN 0.00 AC-FT 242  
WTR YR 1987 TOTAL 267.32 MEAN 0.73 MAX 6.1 MIN 0.00 AC-FT 530

MAX DISCH 9.3 CFS AT 1130 24-AUG-1987 GH 1.08 FT. SHIFT 0.02 FT. MAX GH 1.08 FT. AT 1130 24-AUG-1987



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO (1988)

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

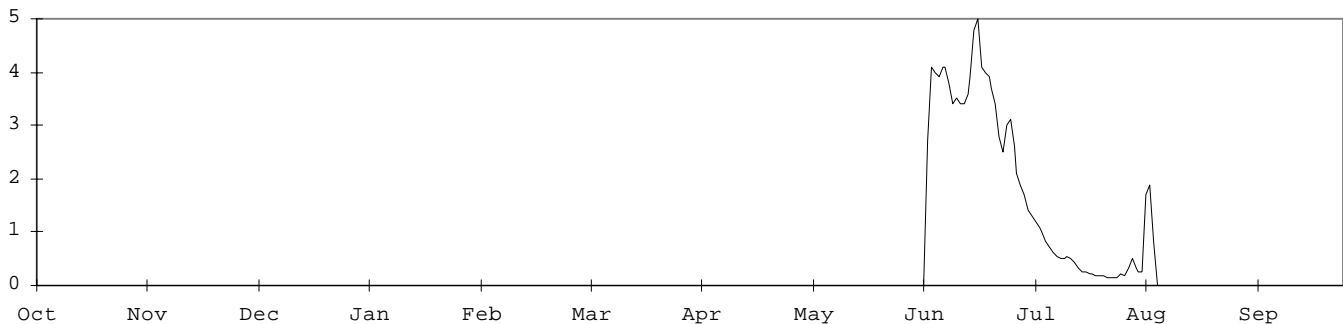
RATING TABLE.--WCSGITCO01 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.34	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.51	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.34	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.26	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.26	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.2	1.7	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.1	1.9	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.0	0.78	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.82	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.71	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.61	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.56	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.51	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.51	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.56	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.51	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.42	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.34	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.26	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.26	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.23	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.23	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.19	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.19	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.19	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.16	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.16	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.16	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.16	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.6	0.23	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.19	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.8	19.86	6.09	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.03	0.64	0.20	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180	39	12	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.1	1.9	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0

CAL YR 1987 TOTAL 267.32 MEAN 0.73 MAX 6.1 MIN 0.00 AC-FT 530  
WTR YR 1988 TOTAL 116.75 MEAN 0.32 MAX 5.0 MIN 0.00 AC-FT 232

MAX DISCH 8.5 CFS AT 1400 07-AUG-1988 GH 1.08 FT. SHIFT -0.04 FT. MAX GH 1.08 FT. AT 1400 07-AUG-1988



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO (1989)

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

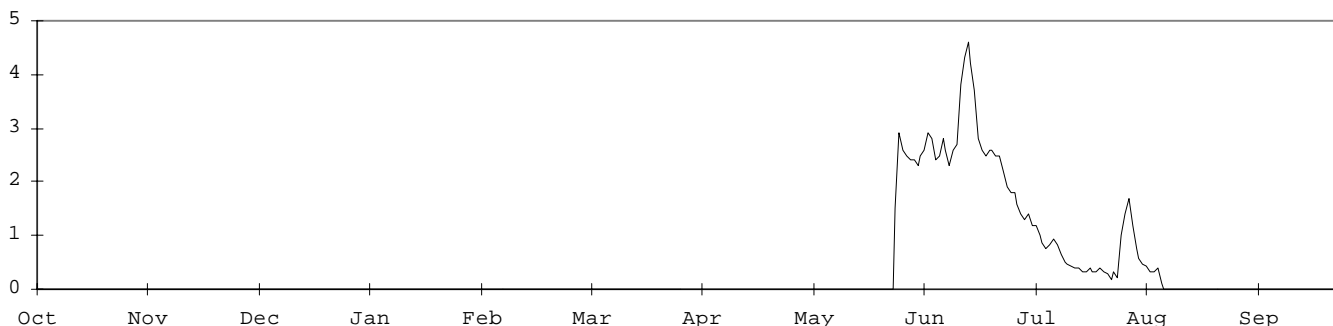
RATING TABLE.--WCSGITC001 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
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	2.5	1.8	1.4	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	1.7	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.4	1.2	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.3	0.77	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.4	0.56	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.2	0.47	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.2	0.42	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.0	0.34	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.88	0.34	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.77	0.38	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.82	0.11	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.93	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.82	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.66	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.51	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.47	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.42	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.38	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.38	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.34	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.34	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.38	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.34	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.34	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.38	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.34	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.30	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.19	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	1.5	1.9	0.33	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	2.9	1.8	0.23	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	2.6	---	1.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	82.9	22.45	7.69	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	2.76	0.72	0.25	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	164	45	15	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	4.6	1.8	1.7	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.19	0.0	0.0

CAL YR 1988 TOTAL 116.75 MEAN 0.32 MAX 5.0 MIN 0.00 AC-FT 232  
WTR YR 1989 TOTAL 120.04 MEAN 0.33 MAX 4.6 MIN 0.00 AC-FT 238

MAX DISCH 8.3 CFS AT 1900 31-JUL-1989 GH 1.03 FT. SHIFT -0.01 FT. MAX GH 1.03 FT. AT 1900 31-JUL-1989



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO (1990)

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

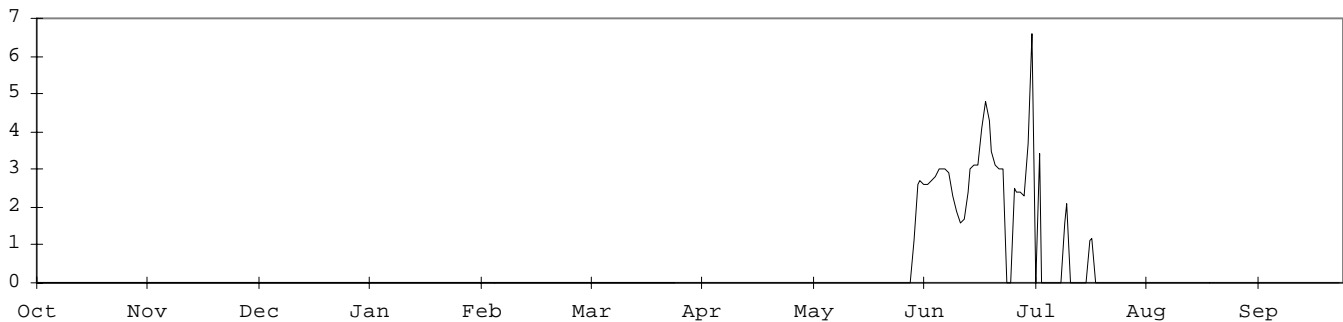
RATING TABLE.--WCSBITCO01 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
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	2.5	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.4	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.3	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.7	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	6.6	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.4	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.6	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.1	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.1	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.2	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	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	73.9	29.3	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.46	0.95	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147	58	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.6	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1989 TOTAL 120.04 MEAN 0.33 MAX 4.6 MIN 0.00 AC-FT 238  
WTR YR 1990 TOTAL 103.2 MEAN 0.28 MAX 6.6 MIN 0.00 AC-FT 205

MAX DISCH 11 CFS AT 1930 05-JUL-1990 GH 1.09 FT. SHIFT 0.11 FT. MAX GH 1.38 FT. AT 1445 10-JUN-1990



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1983)

**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.

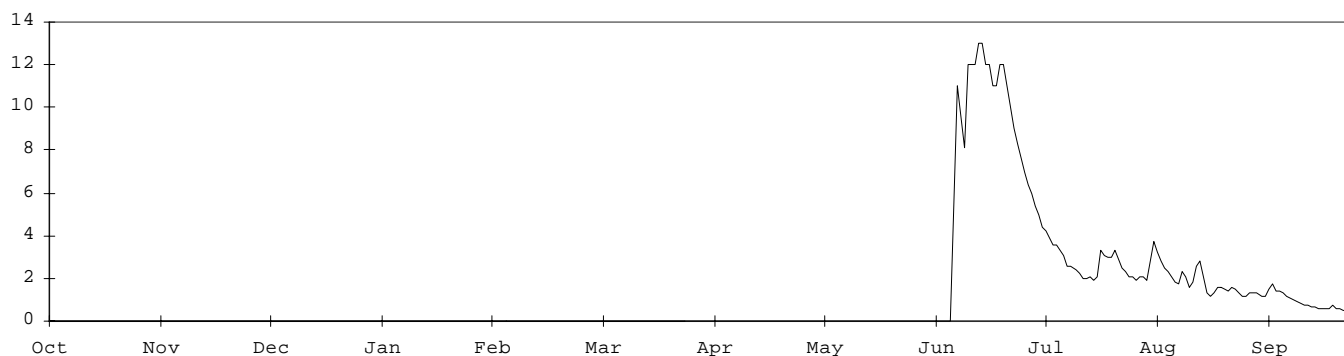
**RATING TABLE.**--PRWDITC004 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
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	7.0	1.9	1.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	2.1	1.3
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.1	1.3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.9	1.3
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.8	1.2
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	3.7	1.2
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	3.2	1.5
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	2.8	1.7
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.5	1.4
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.3	1.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	3.3	2.1	1.3
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.1	1.8	1.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	2.6	1.7	1.1
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	2.6	2.3	1.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.4	2.1	0.89
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.2	1.6	0.82
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.0	1.8	0.75
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	2.0	2.6	0.75
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	2.1	2.8	0.68
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	1.9	2.1	0.68
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.1	1.3	0.61
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.3	1.2	0.61
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.1	1.3	0.61
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.0	1.6	0.61
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.0	1.6	0.75
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.3	1.5	0.55
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.9	1.4	0.61
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	2.5	1.6	0.49
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	8.3	2.3	1.5	0.49
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	7.6	2.1	1.3	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.1	1.2	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	212.0	103.4	61.7	28.00
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.07	3.34	1.99	0.93
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	421	205	122	56
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.0	3.7	1.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.2	0.0

CAL YR 1982 TOTAL 317.43 MEAN 0.87 MAX 11 MIN 0.00 AC-FT 630  
WTR YR 1983 TOTAL 405.10 MEAN 1.11 MAX 13 MIN 0.00 AC-FT 804

MAX DISCH 14 CFS AT 2100 18-JUN-1983 GH 1.15 FT. SHIFT -0.05 FT. MAX GH 1.15 FT. AT 2100 18-JUN-1983



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1984)

**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.

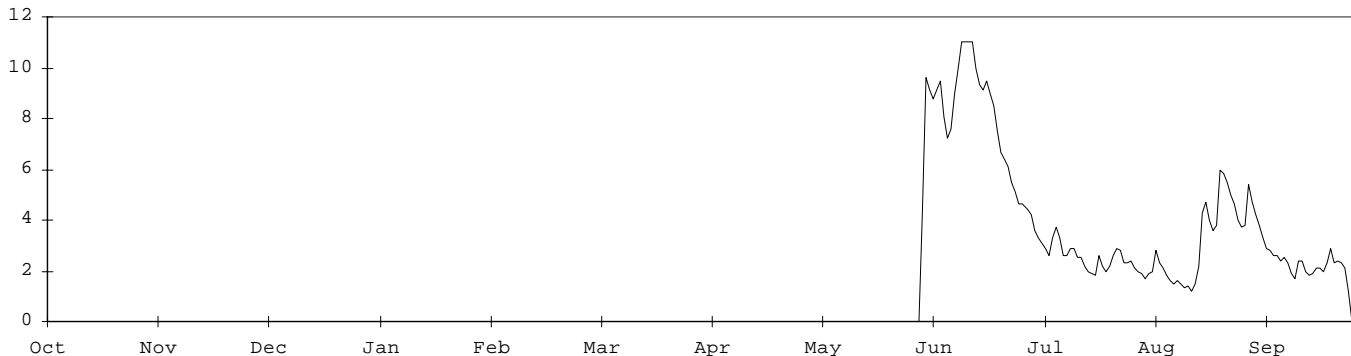
**RATING TABLE.**--PRWDITCO04 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	2.0	5.4
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.2	1.9	4.7
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	3.6	1.7	4.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	3.3	1.9	3.8
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	3.1	2.0	3.3
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	2.9	2.8	2.9
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	2.6	2.3	2.8
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	3.3	2.1	2.6
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	3.7	1.8	2.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	3.3	1.6	2.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	2.6	1.5	2.5
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.6	1.6	2.3
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.9	1.5	1.9
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.9	1.3	1.7
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.5	1.4	2.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.5	1.2	2.4
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.2	1.5	2.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	2.0	2.2	1.8
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	1.9	4.3	1.9
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	1.8	4.7	2.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	2.6	4.0	2.1
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	2.2	3.6	2.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	2.0	3.8	2.3
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.2	6.0	2.9
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	2.6	5.8	2.3
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	2.9	5.5	2.4
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	2.8	5.0	2.3
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	2.3	4.6	2.1
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.3	4.0	1.2
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.6	2.4	3.7	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.1	3.8	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	238.3	84.7	91.1	75.3
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.94	2.73	2.94	2.51
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	473	168	181	149
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.4	6.0	5.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.2	0.0

CAL YR 1983 TOTAL 405.10 MEAN 1.11 MAX 13 MIN 0.00 AC-FT 804  
WTR YR 1984 TOTAL 489.4 MEAN 1.34 MAX 11 MIN 0.00 AC-FT 971

MAX DISCH 11 CFS AT 1400 16-JUN-1984 GH 1.02 FT. SHIFT -0.05 FT. MAX GH 1.02 FT. AT 1400 16-JUN-1984



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1985)

**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.

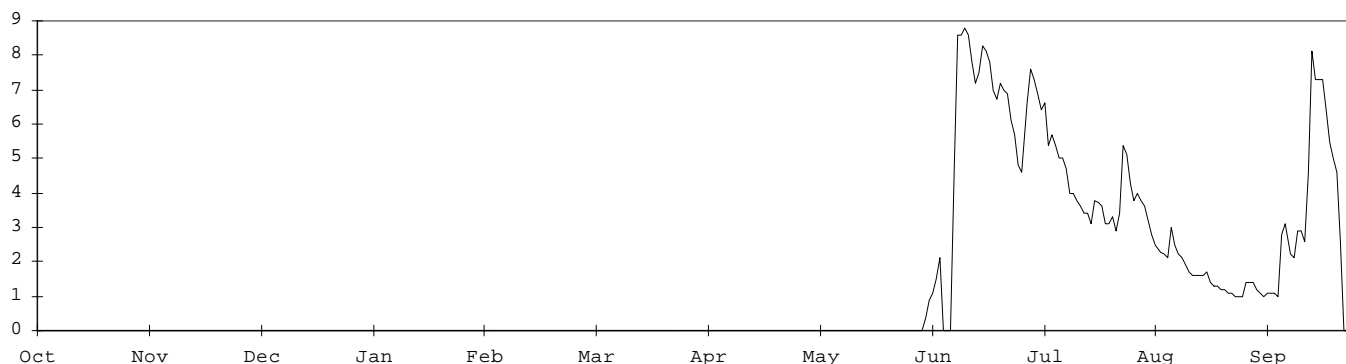
**RATING TABLE.**--PRWDITC004 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	3.8	1.4
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	4.0	1.4
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	3.8	1.4
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.37	7.3	3.6	1.2
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	6.9	3.2	1.1
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	6.4	2.8	1.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	6.6	2.5	1.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.4	2.3	1.1
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.2	1.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	2.1	1.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.0	2.8
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	5.0	2.5	3.1
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	4.7	2.2	2.2
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	4.0	2.1	2.1
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	4.0	1.9	2.9
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	3.8	1.7	2.9
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	3.6	1.6	2.6
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	3.4	1.6	4.6
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	3.4	1.6	8.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	3.1	1.6	7.3
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	3.8	1.7	7.3
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	3.7	1.4	7.3
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	3.6	1.3	6.4
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	3.1	1.3	5.5
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	3.1	1.2	5.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	3.3	1.2	4.6
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	2.9	1.1	2.6
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	3.4	1.1	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.7	5.4	1.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.8	5.1	1.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	4.3	0.96	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143.26	144.2	63.36	89.1
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.78	4.65	2.04	2.97
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	284	286	126	177
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	7.6	4.0	8.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.96	0.0

CAL YR 1984 TOTAL 489.4 MEAN 1.34 MAX 11 MIN 0.00 AC-FT 971  
WTR YR 1985 TOTAL 439.92 MEAN 1.21 MAX 8.8 MIN 0.00 AC-FT 873

MAX DISCH 9.8 CFS AT 1800 12-JUN-1985 GH 0.93 FT. SHIFT -0.05 FT. MAX GH 0.93 FT. AT 1800 12-JUN-1985



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1986)

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.

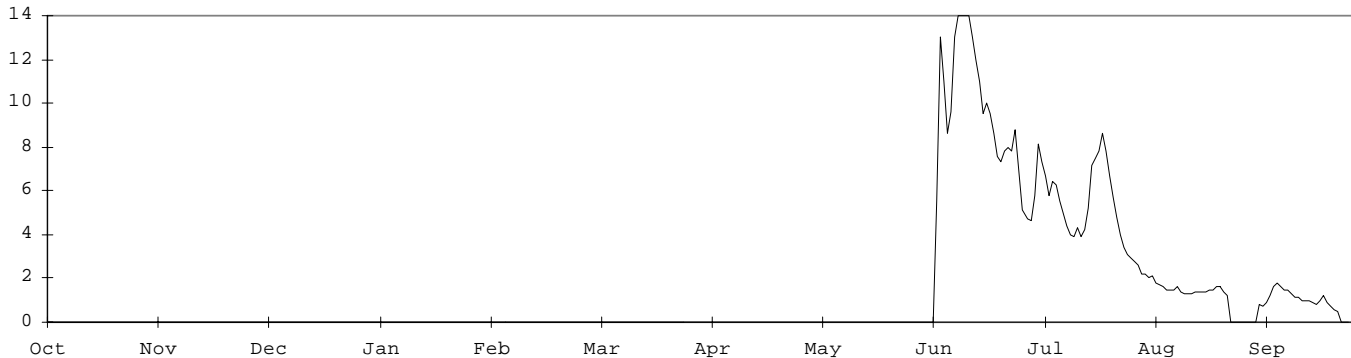
DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 3 ft Parshall flume.

RATING TABLE.--PRWDITCO04 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	2.8	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.6	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.2	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	2.2	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	2.0	0.82
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	2.1	0.75
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	6.7	1.8	0.89
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	5.8	1.7	1.2
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	6.4	1.6	1.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	6.3	1.5	1.8
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	5.5	1.5	1.6
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	5.0	1.5	1.5
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	4.4	1.6	1.5
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	4.0	1.4	1.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.9	1.3	1.1
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	4.3	1.3	1.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.9	1.3	1.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	4.2	1.4	1.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	5.2	1.4	0.96
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	7.2	1.4	0.89
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	7.5	1.4	0.82
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	7.8	1.5	0.96
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	8.6	1.5	1.2
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	7.8	1.6	0.90
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	6.7	1.6	0.70
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	5.7	1.4	0.60
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	4.8	1.2	0.50
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	4.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	8.8	3.4	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	6.9	3.1	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.9	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	244.5	170.7	44.8	24.69
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.15	5.51	1.45	0.82
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	485	339	89	49
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	8.6	2.8	1.8
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
CAL YR 1985 TOTAL		439.92	MEAN	1.21	MAX	8.8	MIN	0.00	AC-FT	873		
WTR YR 1986 TOTAL		484.69	MEAN	1.33	MAX	14	MIN	0.00	AC-FT	961		



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1987)

**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.

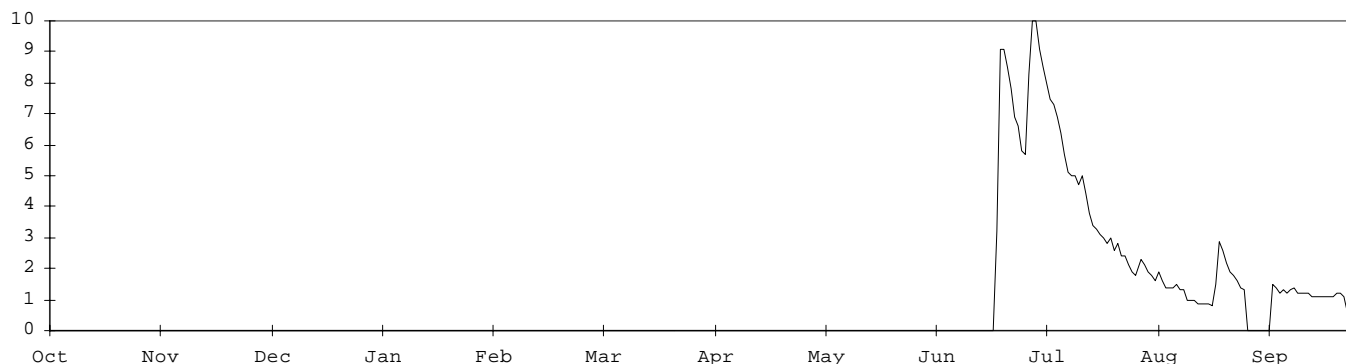
**RATING TABLE.**--PRWDITC004 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	1.8	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	2.3	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.1	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	1.9	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	1.8	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	1.6	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	1.9	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	1.6	1.5
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	1.4	1.4
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	1.4	1.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.4	1.3
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	1.5	1.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.3	1.3
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.3	1.4
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.0	1.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.96	1.2
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.96	1.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.89	1.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.89	1.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.89	1.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.89	1.1
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.82	1.1
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.0	1.5	1.1
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	2.8	2.9	1.1
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	3.0	2.6	1.1
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	2.6	2.2	1.2
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	2.8	1.9	1.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	2.4	1.8	1.1
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	6.6	2.4	1.6	0.57
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.8	2.1	1.4	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	1.9	1.3	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.0	159.2	47.80	25.87
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.90	5.14	1.54	0.86
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113	316	95	51
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	10	2.9	1.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.82	0.0

CAL YR 1986 TOTAL 484.69 MEAN 1.33 MAX 14 MIN 0.00 AC-FT 961  
WTR YR 1987 TOTAL 289.87 MEAN 0.79 MAX 10 MIN 0.00 AC-FT 575

MAX DISCH 11 CFS AT 0400 03-JUL-1987 GH 0.99 FT. SHIFT -0.04 FT. MAX GH 0.99 FT. AT 0400 03-JUL-1987



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1988)

**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.

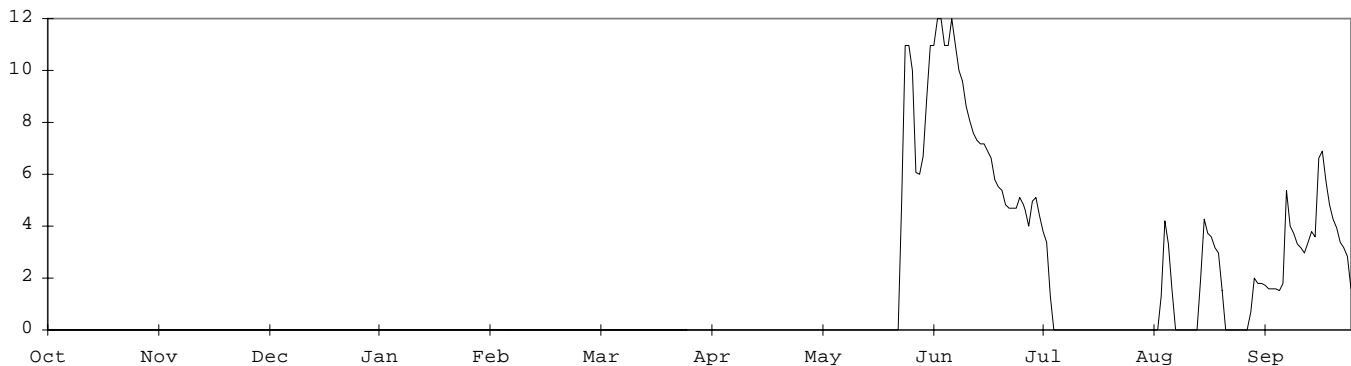
**RATING TABLE.**--PRWDITCO04 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	4.6	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	4.0	0.0	0.72
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	5.0	0.0	2.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	5.1	0.0	1.8
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.4	0.0	1.8
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.8	0.0	1.7
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.4	0.0	1.6
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	1.3	1.3	1.6
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	4.2	1.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	3.3	1.5
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	1.6	1.8
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	5.4
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	4.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	3.7
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0	3.3
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	3.2
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	3.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	3.4
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	1.9	3.8
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	4.3	3.6
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	3.7	6.6
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	3.6	6.9
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	3.2	5.7
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	3.0	4.8
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	1.5	4.3
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	3.9
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.7	0.0	0.0	3.4
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.7	0.0	0.0	3.2
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	5.1	0.0	0.0	2.8
30	0.0	0.0	0.0	0.0	---	0.0	0.0	10	4.8	0.0	0.0	1.6
31	0.0	---	0.0	0.0	---	0.0	---	6.1	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.1	237.3	31.6	31.6	92.72
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.39	7.91	1.02	1.02	3.09
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	471	63	63	184
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	12	5.1	4.3	6.9
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0

CAL YR 1987 TOTAL 289.87 MEAN 0.79 MAX 10 MIN 0.00 AC-FT 575  
WTR YR 1988 TOTAL 436.32 MEAN 1.19 MAX 12 MIN 0.00 AC-FT 865

MAX DISCH 13 CFS AT 2130 06-JUN-1988 GH 1.06 FT. SHIFT -0.03 FT. MAX GH 1.06 FT. AT 2130 06-JUN-1988



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1989)

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.

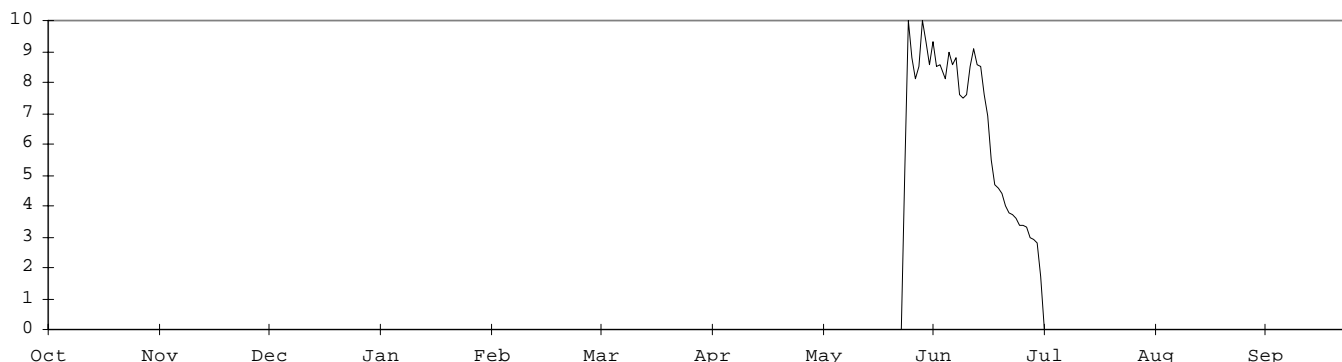
RATING TABLE.--PRWDITC004 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	3.4	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	3.3	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	2.9	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	2.8	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	1.7	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	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	5.2	3.6	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	10	3.4	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	8.8	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	215.0	17.1	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	7.17	0.55	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	426	34	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10	3.4	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0

CAL YR 1988 TOTAL 436.32 MEAN 1.19 MAX 12 MIN 0.00 AC-FT 865  
WTR YR 1989 TOTAL 256.1 MEAN 0.70 MAX 10 MIN 0.00 AC-FT 508

MAX DISCH 12 CFS AT 2000 29-MAY-1989 GH 1.04 FT. SHIFT -0.03 FT. MAX GH 1.04 FT. AT 2000 29-MAY-1989



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1990)

**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.

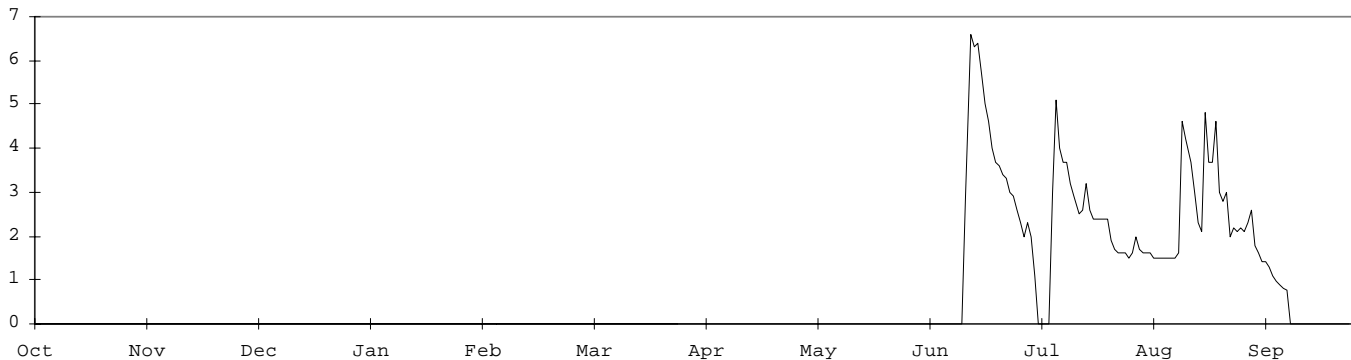
**RATING TABLE.**--PRWDITCO04 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.6	2.1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.3
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.7	2.6
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.6	1.8
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6	1.6
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.4
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.3
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.5	0.96
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.5	0.89
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.5	0.82
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.5	0.75
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.6	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.6	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	4.2	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	2.5	3.7	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	2.6	3.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	3.2	2.3	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.6	2.1	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.4	4.8	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.4	3.7	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.4	3.7	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.4	4.6	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.4	3.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.9	2.8	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.7	3.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.6	2.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.9	1.6	2.2	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.6	1.6	2.1	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	1.5	2.2	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.0	68.1	76.2	19.02
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.13	2.20	2.46	0.63
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127	135	151	38
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	5.1	4.8	2.6
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0

CAL YR 1989 TOTAL 256.1 MEAN 0.70 MAX 10 MIN 0.00 AC-FT 508  
WTR YR 1990 TOTAL 227.32 MEAN 0.62 MAX 6.6 MIN 0.00 AC-FT 451

MAX DISCH 8.3 CFS AT 0330 21-AUG-1990 GH 0.83 FT. SHIFT -0.04 FT. MAX GH 0.83 FT. AT 0330 21-AUG-1990



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1983)

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.

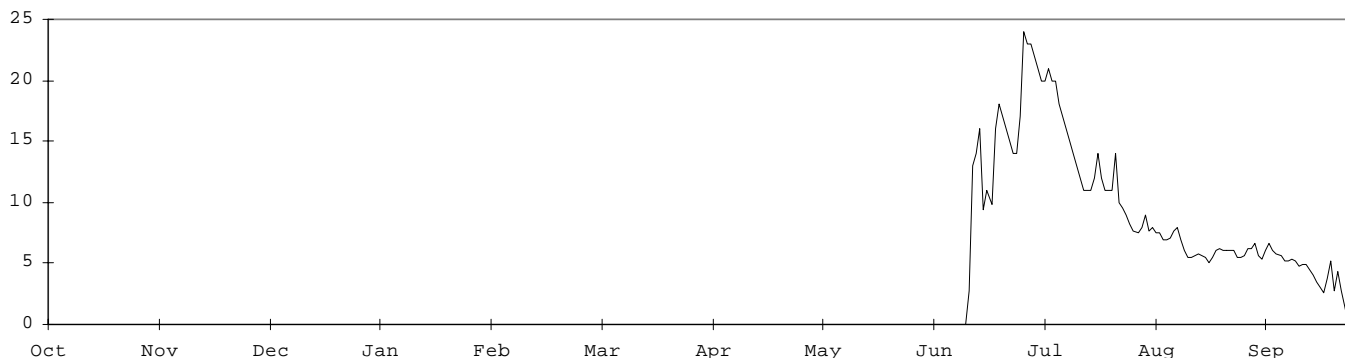
RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
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	24	7.7	5.6
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	7.5	6.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	8.0	6.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	8.9	6.7
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	7.7	5.6
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	8.0	5.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	7.5	6.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	7.5	6.7
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	7.0	6.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	7.0	5.8
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	7.1	5.6
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	7.7	5.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	8.0	5.2
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	7.0	5.4
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	6.0	5.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	13	5.5	4.7
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	12	5.5	4.9
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	11	5.6	4.9
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	11	5.8	4.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	11	5.6	4.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	12	5.5	3.5
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	14	5.0	3.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	12	5.5	2.6
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	11	6.0	3.8
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	11	6.2	5.2
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	11	6.0	2.8
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	14	6.0	4.3
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	10	6.0	2.8
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	14	9.6	6.0	1.5
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	17	8.9	5.5	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	8.2	5.5	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	203.0	473.7	203.8	139.3
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.77	15.3	6.57	4.64
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	403	940	404	276
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	24	8.9	6.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	5.0	0.0

CAL YR 1982 TOTAL 801.0 MEAN 2.19 MAX 27 MIN 0.00 AC-FT 1590  
WTR YR 1983 TOTAL 1019.8 MEAN 2.79 MAX 24 MIN 0.00 AC-FT 2020

MAX DISCH 25 CFS AT 2000 03-JUL-1983 GH 1.03 FT. SHIFT 0.13 FT. MAX GH 1.03 FT. AT 2000 03-JUL-1983



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1984)

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.

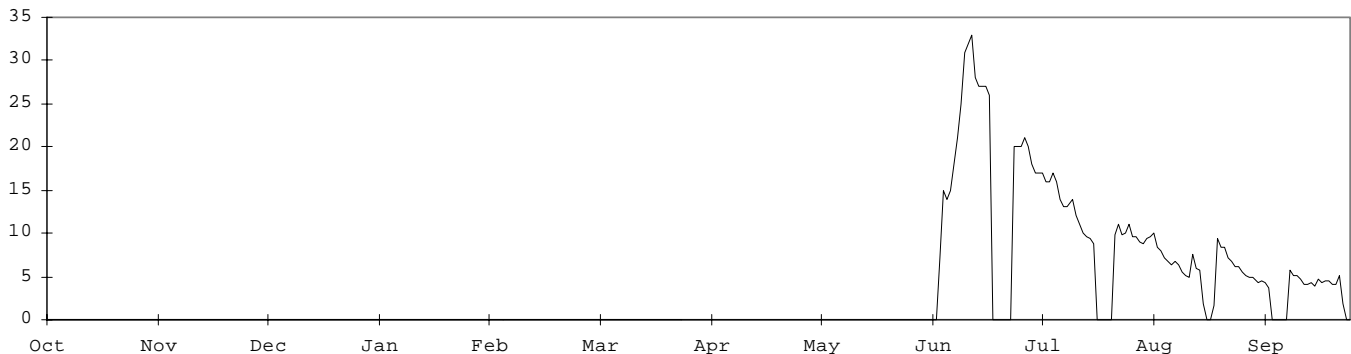
RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984  
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	21	9.6	5.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	9.1	5.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	8.9	4.9
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	9.4	4.3
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	9.6	4.5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	10	4.3
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	16	8.4	3.6
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	16	8.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	17	7.1	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	16	6.7	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	14	6.4	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	13	6.7	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	13	6.4	5.8
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	14	5.6	5.2
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	12	5.2	5.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	11	5.0	4.7
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	10	7.5	4.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	9.6	6.0	4.1
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	9.4	5.8	4.3
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	8.7	1.9	3.8
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	0.0	4.7
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.5
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	4.5
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	4.1
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	8.4	4.1
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	7.1	5.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	9.8	6.7	1.8
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	10	6.2	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	20	11	6.2	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	9.6	5.6	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	406.1	350.9	203.0	102.2
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	11.3	6.55	3.41
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	806	696	403	203
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	21	10	5.8
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 1983 TOTAL 1019.8 MEAN 2.79 MAX 24 MIN 0.00 AC-FT 2020  
WTR YR 1984 TOTAL 1062.2 MEAN 2.90 MAX 33 MIN 0.00 AC-FT 2110

MAX DISCH 37 CFS AT 1900 14-JUN-1984 GH 1.34 FT. SHIFT 0.14 FT. MAX GH 1.34 FT. AT 1900 14-JUN-1984



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1985)

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.

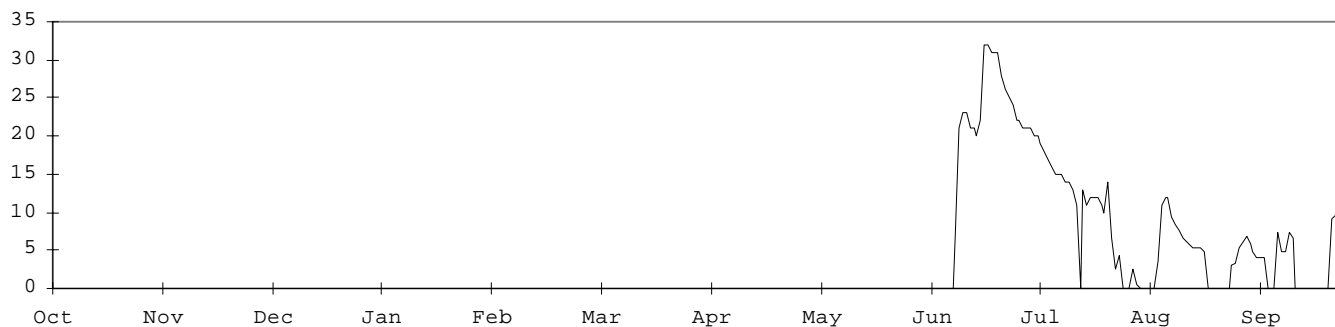
RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	5.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	2.6	6.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.56	6.9
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.08	5.8
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	4.9
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	4.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	4.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	4.1
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	3.6	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	11	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	12	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	12	7.3
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	15	9.4	4.8
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	14	8.4	4.7
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	14	7.5	7.3
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	13	6.7	6.7
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	11	6.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	5.8	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	13	5.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	11	5.2	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	12	5.2	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	12	4.9	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	12	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	11	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	10	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	14	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	6.7	0.0	9.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	2.6	0.0	9.6
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	24	4.3	0.0	9.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	22	0.0	3.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	3.3	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	439.7	400.6	112.44	99.7
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	12.9	3.63	3.32
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	872	795	223	198
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	22	12	9.6
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 1984 TOTAL 1062.2 MEAN 2.90 MAX 33 MIN 0.00 AC-FT 2110  
WTR YR 1985 TOTAL 1052.44 MEAN 2.88 MAX 32 MIN 0.00 AC-FT 2090

MAX DISCH 33 CFS AT 2000 21-JUN-1985 GH 1.22 FT. SHIFT 0.15 FT. MAX GH 1.22 FT. AT 2000 21-JUN-1985



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1986)

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.

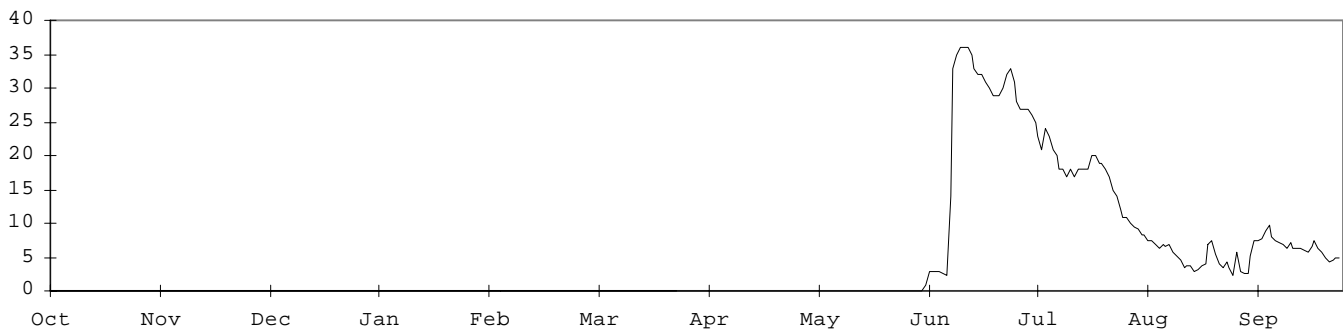
RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986  
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	28	11	5.6
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	10	2.8
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	9.4	2.6
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	9.1	2.6
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	26	8.4	5.2
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	25	8.2	7.3
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	23	7.5	7.3
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	21	7.5	7.7
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	24	6.9	8.9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	23	6.4	9.6
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	21	6.9	8.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	20	6.7	7.3
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	18	6.9	7.1
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	18	5.8	6.9
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	17	5.2	6.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	18	4.7	7.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	17	3.3	6.4
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	18	3.6	6.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	18	3.6	6.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	18	2.9	6.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	18	3.1	5.8
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	20	3.6	6.7
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	20	3.9	7.3
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	19	6.9	6.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	19	7.5	5.6
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	18	5.4	4.8
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	17	4.0	4.3
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	15	3.3	4.5
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	33	14	4.3	4.9
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	31	12	3.3	5.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	11	2.4	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	612.80	617	181.7	182.3
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	19.9	5.86	6.08
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1220	1220	360	362
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	28	11	9.6
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.4	2.6

CAL YR 1985 TOTAL 1052.44 MEAN 2.88 MAX 32 MIN 0.00 AC-FT 2090  
WTR YR 1986 TOTAL 1593.80 MEAN 4.37 MAX 36 MIN 0.00 AC-FT 3160

MAX DISCH 40 CFS AT 2230 28-JUN-1986 GH 1.36 FT. SHIFT 0.18 FT. MAX GH 1.36 FT. AT 2230 28-JUN-1986



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1987)

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.

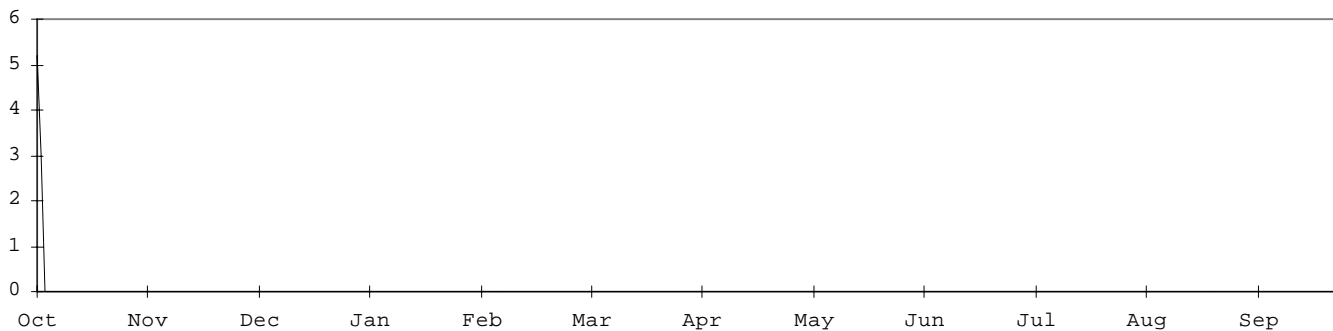
RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	---	---
TOTAL	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	5.2	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 1986 TOTAL 1602.00 MEAN 4.39 MAX 36 MIN 0.00 AC-FT 3180  
WTR YR 1987 TOTAL 8.2 MEAN 0.02 MAX 5.2 MIN 0.00 AC-FT 16

MAXIMUMS NOT DETERMINED



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1988)

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.

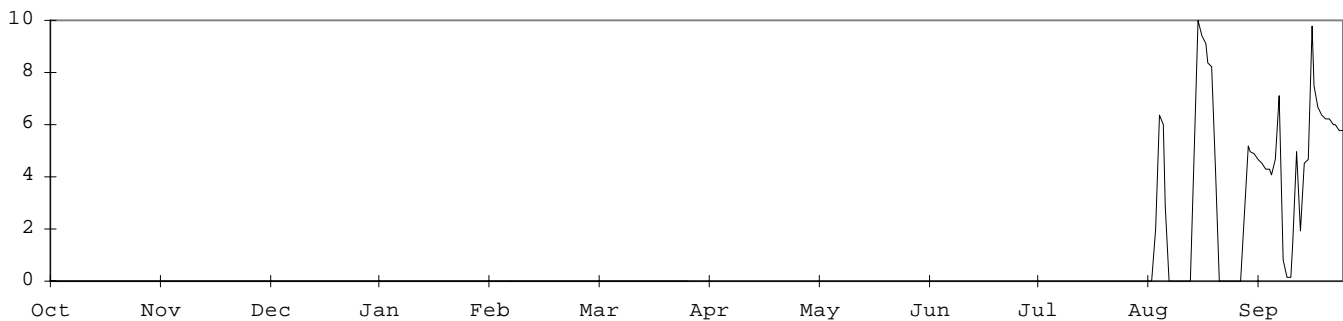
RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
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	2.6
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.3
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	4.3
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	4.1
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	4.7
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	4.7
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	9.8
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	7.5
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	6.7
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	6.4
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	6.2
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	5.8
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	71.7	136.42
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.31	4.55
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	142	271
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	9.8
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 1987 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1988 TOTAL 208.12 MEAN 0.57 MAX 10 MIN 0.00 AC-FT 413

MAX DISCH 15 CFS AT 0630 21-SEP-1988 GH 0.92 FT. SHIFT -0.08 FT. MAX GH 0.92 FT. AT 0630 21-SEP-1988



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1989)

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.

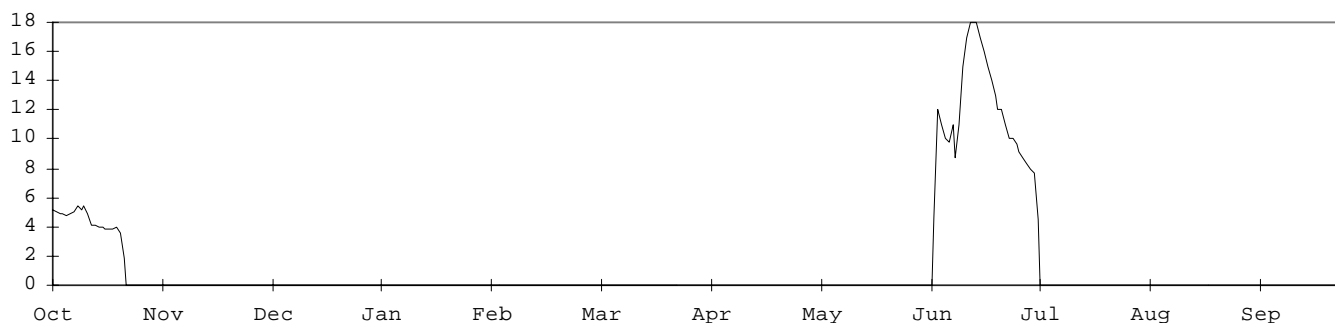
RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0
2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0
3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0
4	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
5	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0
6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0
7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
9	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
10	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
11	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0
12	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
13	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0
14	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
15	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	0.0
16	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0
17	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0
18	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0
19	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0
20	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0
21	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	10	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	9.6	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	92.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	303.7	46.4	0.0	0.0
MEAN	2.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	1.50	0.0	0.0
AC-FT	184	0.0	0.0	0.0	0.0	0.0	0.0	0.0	602	92	0.0	0.0
MAX	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	9.1	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 1988 TOTAL 300.72 MEAN 0.82 MAX 10 MIN 0.00 AC-FT 596  
WTR YR 1989 TOTAL 442.7 MEAN 1.21 MAX 18 MIN 0.00 AC-FT 878

MAX DISCH 19 CFS AT 0200 19-JUN-1989 GH 1.01 FT. SHIFT -0.04 FT. MAX GH 1.01 FT. AT 0200 19-JUN-1989



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO (1990)

**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.

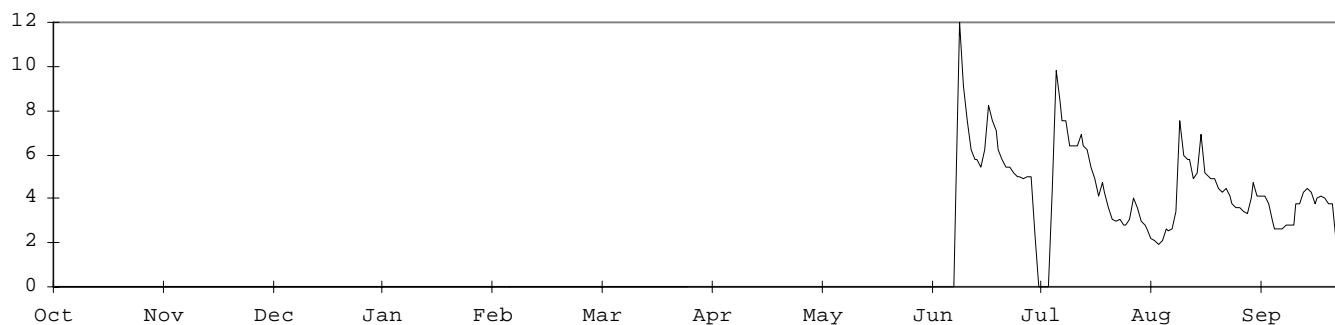
**RATING TABLE.**--WEMDITCO05 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.1	3.6
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.0	3.4
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.6	3.3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.0	4.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.8	4.7
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	4.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	2.1	3.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	2.6	2.6
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	2.5	2.6
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	7.5	2.6	2.6
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	7.5	3.4	2.8
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	6.4	7.5	2.8
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	6.4	6.0	2.8
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.4	5.8	3.8
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	6.9	5.8	3.8
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	6.4	4.9	4.3
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	6.2	5.2	4.5
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	5.4	6.9	4.3
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	4.9	5.2	3.8
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	4.1	5.0	4.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	4.7	4.9	4.1
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	4.3	4.9	4.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	3.6	4.5	3.8
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.1	4.3	3.8
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.0	4.5	1.9
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.2	3.1	4.1	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.0	2.8	3.8	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.8	3.6	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117.9	140.4	125.4	100.4
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.93	4.53	4.05	3.35
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234	278	249	199
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	9.8	7.5	4.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0

CAL YR 1989 TOTAL 350.1 MEAN 0.96 MAX 18 MIN 0.00 AC-FT 694  
WTR YR 1990 TOTAL 484.1 MEAN 1.33 MAX 12 MIN 0.00 AC-FT 960

MAX DISCH 18 CFS AT 1900 13-JUN-1990 GH 1.11 FT. SHIFT -0.16 FT. MAX GH 1.11 FT. AT 1900 13-JUN-1990



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1980-1990 Water Year Stream Flow Data  
on PC compatible diskettes and CD

Mean daily flow values for gaging stations are available on a DOS compatible diskette or CD upon request from this Office. Each station's data are in a file named by an eight-character station identification code, followed by the filename extension ".H??", where the ?? represents the year being searched. For example, the values for "Culebra Creek at San Luis, water year 1985" are in the file "CULSANCO.H85". A list of the eight character codes follows.

The files contain ASCII text information. There are two columns. The first column is the number of the day of the water year, and the second is that day's mean flow. October 1, is day number 1. September 30, is day 365, except in leap years when there would be 366 days. The first line of some "H" files contain information on the instantaneous peak for the water year.

Station Identification Codes  
for Data on Diskette and CD

DIV III

CODE	NAME
ALABELCO	ALAMOSA CREEK BELOW TERRACE RESERVOIR
ALATERCO	ALAMOSA CREEK ABOVE TERRACE RESERVOIR
CARLAGCO	CARNERO CREEK NEAR LA GARITA
CULSANCO	CULEBRA CREEK AT SAN LUIS
DLFDT1CO	DON LA FONT DITCH NO. 1 AT PIEDRA PASS
DLFDT2CO	DON LA FONT DITCH NO. 2 AT PIEDRA PASS
LAGLAGCO	LA GARITA CREEK NEAR LA GARITA
LAJCAPCO	LA JARA CREEK AT GALLEGOS RANCH NEAR CAPULIN
NOCRESCO	NORTH CRESTONE CREEK, NEAR CRESTONE
NORDLSCO	NORTON DRAIN NEAR LA SAUSES
NORDSCCO	SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES
PINDELCO	PINOS CREEK NEAR DEL NORTE
PRWDITCO	PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS
RIOALACO	RIO GRANDE RIVER AT ALAMOSA
RIOMONCO	RIO GRANDE RIVER NEAR MONTE VISTA
SAGSAGCO	SAGUACHE CREEK NEAR SAGUACHE
SANFTGCO	SANGRE DE CRISTO CREEK NEAR FT. GARLAND
SANMANCO	SAN ANTONIO RIVER NEAR MANASSA
TABDITCO	TABOR DITCH AT SPRING CREEK PASS
TARBELCO	TARBELL DITCH NEAR COCHETOPA PASS
TREDITCO	TREASURE PASS DITCH AT WOLF CREEK PASS
TRIMTNCO	TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR
TRISMICO	TRINCHERA CREEK BELOW SMITH RESERVOIR
TRITURCO	TRINCHERA CREEK ABOVE TURNER'S RANCH
UTEFTGCO	UTE CREEK NEAR FORT GARLAND
WCSDITCO	WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS
WEMDITCO	WEMINUCHE PASS DITCH AT WEMINUCHE PASS