



STREAM FLOW DATA for COLORADO

1991 WATER YEAR

(OCT 1, 1990 - SEPT 30, 1991)

**Edited by Jim McDanold
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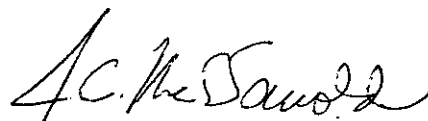
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I would like to acknowledge and thank all the members of the hydrographic staff for all their time and effort spent in producing this first compilation of stream flow records. Special thanks to Dave, Chuck, and Greg for all the hours compiling this book.



Jim McDanold
Chief, Hydrographic Branch

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PLATTE RIVER BASIN

SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is good. Primary record is from chart. It is complete and reliable. Record is developed and satellite monitoring maintained by Robert Cooper.

RATING TABLE.--PLAANTC001 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	28	8.7	6.8	4.8	5.8	6.8	7.2	42	12	22	20
2	7.1	28	8.7	6.4	5.8	5.1	6.8	7.2	66	12	22	12
3	5.4	28	8.7	4.8	5.8	6.1	6.4	7.6	78	21	22	12
4	4.8	28	8.7	4.4	5.8	6.4	6.1	7.6	78	28	61	6.7
5	5.4	17	8.7	4.4	5.8	6.4	6.1	7.2	45	28	80	4.6
6	5.8	10	8.7	4.4	5.8	6.4	6.4	6.8	30	21	81	5.9
7	5.4	10	8.7	4.4	5.8	6.4	6.4	6.8	71	14	61	5.4
8	6.1	10	7.2	4.4	6.1	6.4	6.4	6.4	70	17	27	4.8
9	5.1	13	5.4	4.4	6.1	6.8	6.1	6.4	44	32	16	5.8
10	5.1	17	5.4	4.4	6.1	6.8	6.1	6.4	38	38	16	6.4
11	6.1	17	5.4	4.4	6.1	6.8	6.8	7.9	38	38	16	6.1
12	5.8	17	5.4	4.4	6.1	6.8	7.6	8.3	68	38	36	5.8
13	5.2	17	5.4	4.4	6.4	6.8	7.6	8.3	88	38	68	5.4
14	3.8	9.8	5.4	4.4	6.1	6.8	7.6	7.9	88	38	50	5.1
15	4.8	8.3	5.4	3.6	5.8	6.8	7.6	8.3	87	25	23	5.8
16	6.4	11	5.3	3.6	5.8	6.8	7.2	8.2	92	12	9.9	7.2
17	3.8	11	5.1	3.6	5.8	6.8	7.2	7.9	88	10	9.5	6.4
18	5.4	11	5.1	3.6	5.8	6.8	7.2	7.9	51	10	9.5	6.4
19	4.4	11	5.1	3.6	5.9	6.8	7.6	7.9	27	10	9.5	6.4
20	5.1	11	6.1	3.6	6.1	6.8	7.6	8.3	26	10	9.1	6.1
21	7.2	16	6.4	3.6	6.1	6.8	7.6	12	40	29	9.1	5.8
22	7.2	20	6.4	3.6	5.8	6.8	7.6	19	58	88	9.1	5.8
23	6.8	13	6.4	3.6	5.8	6.8	21	20	58	88	9.1	5.8
24	6.8	9.1	6.4	3.6	5.8	6.4	36	36	30	99	9.1	5.8
25	6.8	8.8	6.4	3.6	5.8	6.5	27	63	17	54	9.5	5.8
26	6.8	8.7	6.4	3.6	5.8	6.8	17	50	14	16	8.3	5.8
27	6.8	8.7	6.8	3.6	5.8	6.8	10	31	12	37	5.8	5.8
28	6.8	8.7	6.8	3.6	5.8	6.8	5.4	22	12	40	4.8	5.8
29	6.8	8.7	6.8	3.8	---	6.8	6.8	20	12	24	6.1	5.8
30	6.8	8.7	6.8	3.8	---	6.8	7.6	29	12	23	15	5.8
31	20	---	6.8	3.6	---	6.8	---	35	---	22	30	---
TOTAL	198.5	423.5	205.0	128.0	164.5	204.7	283.6	487.5	1480	972	764.4	202.3
MEAN	6.40	14.1	6.61	4.13	5.88	6.60	9.45	15.7	49.3	31.4	24.7	6.74
AC-FT	394	840	407	254	326	406	563	967	2940	1930	1520	401
MAX	20	28	8.7	6.8	6.4	6.8	36	63	92	99	81	20
MIN	3.8	8.3	5.1	3.6	4.8	5.1	5.4	6.4	12	10	4.8	4.6
CAL YR 1990 TOTAL		7668.4	MEAN	21.0	MAX	126	MIN	3.6	AC-FT	15210		
WTR YR 1991 TOTAL		5514.0	MEAN	15.1	MAX	99	MIN	3.6	AC-FT	10940		

MAX DISCH 24-JUL-1991 117 CFS AT 1600 24-JUL-1991 GH 1.88 FT. SHIFT -0.11 FT. MAX GH 1.88 FT. AT 1600

PLATTE RIVER BASIN

06694920 SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Hourly record from satellite data base is complete and reliable except for the winter period--Nov.4,1990 to Apr.18, 1991--when the flume was frozen and the recorders turned off. Discharges for the winter period were based on City of Aurora estimates of flow into Spinney Res. These figures were based on reservoir readings taken to the nearest 0.1 ft, and show step-wise rather than continuous changes. Record is good, except for winter period, which is poor. Record is developed by Robert E. Cooper.

RATING TABLE.--PLASPICO01 USED FROM 01-OCT-1990 TO 17-APR-1991
 RATING TABLE.--PLASPICO02 USED FROM 18-APR-1991 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	61	30	20	10	10	50	32	205	169	115	74
2	59	62	30	20	10	10	50	33	251	155	105	58
3	60	52	30	15	10	10	50	33	230	149	111	54
4	55	50	30	15	10	15	50	35	196	160	233	51
5	56	50	30	15	10	15	60	34	178	154	239	50
6	55	50	30	15	10	15	70	32	197	146	200	44
7	55	50	30	15	10	15	70	34	269	135	197	45
8	68	45	30	15	10	20	80	34	280	151	147	43
9	64	45	30	15	10	20	80	37	266	161	144	39
10	55	45	30	15	10	20	80	41	257	163	119	40
11	52	30	30	15	10	20	70	43	267	171	93	47
12	52	30	30	15	10	24	60	46	314	177	88	45
13	48	30	30	15	10	24	60	47	370	162	128	53
14	46	30	30	15	10	24	60	49	378	156	162	54
15	43	40	30	15	10	24	40	57	368	145	121	47
16	43	50	30	10	10	24	40	74	370	124	88	48
17	44	50	30	10	10	28	50	70	362	109	79	49
18	40	50	30	10	10	28	51	60	321	108	74	47
19	44	40	30	10	10	28	43	75	271	108	72	45
20	51	40	30	10	10	28	41	109	248	104	73	43
21	53	40	30	10	10	28	42	127	242	113	66	40
22	54	40	30	10	10	28	42	136	276	203	57	37
23	69	40	30	10	10	32	49	169	284	298	51	32
24	63	40	30	10	10	32	83	207	266	273	55	29
25	56	40	30	10	10	32	82	195	223	303	52	29
26	52	45	20	10	10	32	64	181	208	207	51	28
27	49	45	20	10	10	50	50	180	183	209	48	27
28	47	45	20	10	10	50	36	196	158	217	53	28
29	44	45	20	10	---	50	33	195	169	162	53	28
30	42	45	20	10	---	50	35	202	170	123	67	30
31	42	---	20	10	---	50	---	201	---	113	73	---
TOTAL	1629	1325	870	395	280	836	1671	2964	7777	5128	3214	1284
MEAN	52.5	44.2	28.1	12.7	10.0	27.0	55.7	95.6	259	165	104	42.8
AC-FT	3230	2630	1730	783	555	1660	3310	5880	15430	10170	6370	2550
MAX	69	62	30	20	10	50	83	207	378	303	239	74
MIN	40	30	20	10	10	10	33	32	158	104	48	27

CAL YR 1990 TOTAL 31740 MEAN 87.0 MAX 544 MIN 19 AC-FT 62960
 WTR YR 1991 TOTAL 27373 MEAN 75.0 MAX 378 MIN 10 AC-FT 54290

MAX DISCH 405 CFS AT 1630 14-JUN-1991 GH 2.49 FT. SHIFT -0.01 FT. MAX GH 2.49 FT. AT 1630
 14-JUN-1991

PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--880 mi².

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

REMARKS.--Hourly record from satellite data is complete and agrees with available chart record. Where gaps exist in the chart record, the satellite data was found to check closely with release records from Spinney Mountain Reservoir, just upstream. Record is good. Record developed by Robert Cooper.

RATING TABLE.--PLAHARCO15 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	142	65	73	65	48	37	77	36	38	116	151	142			
2	142	68	73	65	48	38	78	36	39	184	152	144			
3	142	75	72	65	47	38	78	36	33	184	133	140			
4	141	71	73	65	47	38	78	36	28	184	126	140			
5	141	66	66	64	44	38	78	37	28	176	169	141			
6	128	66	67	64	37	38	78	38	30	167	175	133			
7	120	66	75	65	37	37	78	38	29	168	99	120			
8	101	71	67	64	36	38	115	38	29	177	57	114			
9	48	75	66	64	36	38	143	38	29	186	57	115			
10	46	75	65	65	37	38	143	38	29	170	58	115			
11	57	75	65	65	37	38	143	38	28	157	58	115			
12	90	75	65	66	37	38	120	38	29	157	58	118			
13	90	75	65	65	38	38	107	38	39	157	71	116			
14	85	75	64	65	36	38	107	39	58	157	106	128			
15	81	76	68	65	36	38	107	39	38	155	152	136			
16	80	76	66	65	36	38	74	43	38	155	167	131			
17	79	76	65	60	36	38	39	50	38	155	160	131			
18	80	76	66	49	38	38	38	50	38	141	157	119			
19	80	94	65	50	37	41	43	50	38	130	185	111			
20	89	101	65	50	36	48	52	44	37	124	167	111			
21	95	95	66	49	36	48	53	39	38	116	149	121			
22	95	100	66	50	37	48	53	38	38	115	159	125			
23	99	96	67	50	37	47	66	39	37	168	155	124			
24	102	95	68	50	37	46	75	47	37	210	151	124			
25	102	93	68	49	38	47	74	45	37	153	153	103			
26	102	80	67	49	37	47	74	40	37	46	179	50			
27	99	65	67	48	37	47	74	40	36	47	196	68			
28	93	69	63	49	38	64	73	40	59	47	185	112			
29	92	71	62	48	---	77	53	39	76	47	176	112			
30	91	73	66	50	---	77	36	36	75	72	168	112			
31	76	---	64	50	---	77	---	37	---	135	141	---			
TOTAL	3008	2334	2075	1788	1081	1396	2407	1240	1163	4356	4270	3571			
MEAN	97.0	77.8	66.9	57.7	38.6	45.0	80.2	40.0	38.8	141	138	119			
AC-FT	5970	4630	4120	3550	2140	2770	4770	2460	2310	8640	8470	7080			
MAX	142	101	75	66	48	77	143	50	76	210	196	144			
MIN	46	65	62	48	36	37	36	36	28	46	57	50			
CAL YR 1990 TOTAL		42496	MEAN	116	MAX	345	MIN	31	AC-FT	84290					
WTR YR 1991 TOTAL		28689	MEAN	78.6	MAX	210	MIN	28	AC-FT	56900					
MAX DISCH		234	CFS	AT 1700	23-JUL-1991	GH	1.80	FT.	SHIFT	-0.04	FT.	MAX GH	1.80	FT.	AT 1700
23-JUL-1991															

PLATTE RIVER BASIN

06696000 SOUTH PLATTE RIVER NEAR LAKE GEORGE, CO

LOCATION.--Lat 38°54'19", long 105°28'22". in SW¼ sec.20, T.13 S., R.72 W., Park County, Hydrologic Unit 10190001, on left bank 700 ft downstream from Elevenmile Canyon Reservoir and 8.2 mi southwest of town of Lake George.

DRAINAGE AREA.--963 mi².

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

REMARKS.--The record is complete and reliable, except for Apr.30 and May 1st, when the clock stopped. Missing data was estimated from daily readings made by the Denver Water Dept. Record is good. Record is developed by Robert E. Cooper.

RATING TABLE.--PLAGEOCO04 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	72	74	62	30	38	59	64	38	28	105	153
2	139	60	73	63	33	38	64	58	39	40	109	151
3	140	60	71	64	33	37	67	57	40	59	113	148
4	135	61	70	68	33	36	69	53	35	76	122	142
5	133	70	61	76	34	37	71	53	31	89	123	139
6	130	78	57	75	35	39	72	50	36	98	138	136
7	111	82	61	69	35	40	72	48	40	106	151	134
8	105	76	67	66	35	39	75	47	37	123	135	127
9	103	74	71	67	35	39	83	45	36	139	127	115
10	83	66	72	67	36	39	91	41	33	144	122	113
11	54	56	69	66	36	39	97	39	33	144	111	111
12	47	53	69	68	36	39	101	38	31	145	100	109
13	52	55	68	67	36	38	102	35	32	143	94	109
14	53	56	69	65	35	38	103	33	32	144	92	109
15	53	64	67	65	35	38	100	33	32	143	95	105
16	55	68	67	66	35	37	98	38	31	143	103	103
17	56	68	68	66	36	37	90	40	30	143	109	100
18	56	75	69	65	36	37	82	39	29	142	122	98
19	57	78	68	56	36	37	74	40	28	142	147	98
20	61	87	66	49	36	39	70	46	28	142	151	97
21	70	91	67	52	36	42	69	48	26	138	148	97
22	96	91	67	52	36	43	64	46	24	139	145	94
23	138	87	65	37	35	41	66	44	25	148	145	95
24	118	87	65	29	36	42	69	56	25	164	144	94
25	107	87	62	30	37	43	74	56	26	176	145	95
26	103	87	61	32	37	42	80	53	22	164	152	87
27	70	88	61	30	38	43	73	50	18	143	158	80
28	77	86	61	30	39	43	74	47	18	127	162	80
29	85	80	61	31	---	49	73	44	21	112	167	81
30	85	74	62	32	---	55	68	41	26	103	165	85
31	84	---	62	32	---	58	---	38	---	100	160	---
TOTAL	2774	2217	2051	1697	990	1262	2350	1420	902	3847	4060	3285
MEAN	89.5	73.9	66.2	54.7	35.4	40.7	78.3	45.8	30.1	124	131	110
AC-FT	5500	4400	4070	3370	1960	2500	4660	2820	1790	7630	8050	6520
MAX	140	91	74	76	39	58	103	64	40	176	167	153
MIN	47	53	57	29	30	36	59	33	18	28	92	80
CAL YR 1990 TOTAL		42496	MEAN	116	MAX	435	MIN	29	AC-FT	84290		
WTR YR 1991 TOTAL		26855	MEAN	73.6	MAX	176	MIN	18	AC-FT	53270		
MAX DISCH		186	CFS AT 1400	24-JUL-1991	GH	2.03	FT. SHIFT	0.04	FT. MAX GH	2.03	FT. AT 1400	
24-JUL-1991												

PLATTE RIVER BASIN

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE, CO

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

DRAINAGE AREA.--1,752 mi².

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

REMARKS.--Hourly record from satellite data is complete and agrees with the chart record. Adjustments of several hundreds of a foot were required to the stage data in both records to compensate for slippage in mechanical linkages. The adjusted records compared closely and the final data is considered reliable. The record is good. Record is developed by Robert Cooper.

RATING TABLE.--PLACHECO10 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
1	253	311	73	117	106	94	50	194	41	42	214	405						
2	287	173	73	117	106	97	49	172	41	42	224	404						
3	313	77	89	136	106	97	48	212	41	42	261	422						
4	313	146	96	149	79	98	48	238	41	42	336	435						
5	313	129	96	149	54	86	91	238	42	41	390	469						
6	313	43	95	149	54	67	146	226	42	40	415	516						
7	313	44	94	149	54	58	146	193	42	40	436	513						
8	286	44	94	149	65	58	111	187	43	41	387	512						
9	225	67	94	149	73	58	81	209	44	41	347	512						
10	115	157	94	149	73	58	80	195	45	41	344	512						
11	48	183	94	142	73	58	81	147	46	41	361	562						
12	48	183	94	136	73	69	81	147	47	41	345	630						
13	48	183	94	136	65	76	81	161	48	41	312	610						
14	47	165	94	119	45	76	81	313	48	41	322	541						
15	69	155	94	106	28	67	81	415	48	58	360	528						
16	139	147	94	106	28	62	81	298	48	126	362	559						
17	160	133	94	106	28	62	81	169	48	147	344	578						
18	160	134	94	106	28	62	81	151	48	147	342	529						
19	131	117	94	106	30	83	82	151	48	148	343	438						
20	113	106	116	106	30	99	82	121	48	148	341	391						
21	113	88	130	106	188	99	82	84	48	149	340	418						
22	91	52	131	106	51	99	103	56	47	113	329	417						
23	57	52	132	121	50	99	161	91	47	53	379	379						
24	45	52	132	133	50	99	194	101	47	45	452	250						
25	63	53	132	133	57	110	194	102	47	230	472	200						
26	109	54	150	133	84	133	194	103	80	363	442	203						
27	129	54	176	132	87	123	193	66	117	362	411	185						
28	130	54	215	117	87	91	192	41	75	321	411	137						
29	185	64	214	106	---	74	229	41	42	283	408	128						
30	216	73	214	106	---	52	244	41	42	252	408	130						
31	293	---	170	106	---	50	---	41	---	228	407	---						
TOTAL	5125	3293	3656	3881	1852	2514	3448	4904	1491	3749	11245	12513						
MEAN	165	110	118	125	66.1	81.1	115	158	49.7	121	363	417						
AC-FT	10170	6530	7250	7700	3670	4990	6840	9730	2960	7440	22300	24820						
MAX	313	311	215	149	188	133	244	415	117	363	472	630						
MIN	45	43	73	106	28	50	48	41	41	40	214	128						
CAL YR 1990 TOTAL		77930	MEAN	214	MAX	646	MIN	42	AC-FT	154600								
WTR YR 1991 TOTAL		57671	MEAN	158	MAX	630	MIN	28	AC-FT	114400								
MAX DISCH		632	CFS	AT	1530	11-SEP-1991	GH	2.98	FT.	SHIFT	-0.08	FT.	MAX	GH	2.98	FT.	AT	1530
11-SEP-1991																		

PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--127 mi².

GAGE.--Water-stage recorder with satellite telemetry in a wooden shelter at a concrete control section. Datum of gage is 8,560.81 ft above National Geodetic Vertical Datum of 1929. Station is owned and maintained by the Denver Water Dept. Satellite telemetry is maintained by the U.S. Army Corps of Engineers and the USGS.

REMARKS.--Hourly record from satellite data is complete and agrees with the chart. The record is reliable--except for October 18, 20,21, and November 3,4, 1990--when gage height was affected by ice. Ice discharges can be estimated well by comparison with flows when Roberts Tunnel water is keeping the gage ice-free. Record is good. Record is developed by Robert E. Cooper.

RATING TABLE.--PLAGRACO10 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	36	154	121	121	103	108	28	428	549	294	49
2	54	34	150	121	119	103	110	31	447	540	294	48
3	52	29	131	118	118	102	110	30	436	583	309	45
4	48	38	126	118	118	103	112	32	455	589	316	45
5	46	43	128	118	117	102	123	30	467	590	276	45
6	46	46	124	120	119	103	129	34	548	596	270	45
7	50	54	125	121	120	102	125	37	400	603	279	49
8	52	60	128	121	119	102	117	53	270	603	193	51
9	46	61	129	121	118	104	110	82	269	570	96	46
10	48	64	128	118	118	106	112	121	270	525	91	50
11	47	64	127	116	118	106	112	150	278	490	90	52
12	43	62	127	118	118	106	112	124	297	492	93	56
13	43	62	127	118	118	105	112	101	291	494	101	55
14	42	63	127	118	118	106	114	117	299	480	84	50
15	42	67	127	118	114	106	114	101	299	450	74	48
16	41	75	127	118	103	105	118	70	296	410	98	46
17	41	89	127	118	103	104	127	79	267	401	164	45
18	42	88	127	118	103	108	128	164	248	399	167	44
19	44	85	127	118	103	108	122	208	300	398	176	43
20	42	86	126	118	103	106	125	197	473	389	125	43
21	41	115	123	117	103	104	126	188	458	387	64	43
22	47	141	127	115	103	104	122	189	476	380	59	41
23	43	143	125	115	106	105	71	195	459	364	59	53
24	41	144	124	115	106	105	33	168	451	375	60	176
25	40	142	124	115	104	98	36	164	538	365	62	276
26	40	141	122	115	105	94	32	232	591	376	68	276
27	39	139	122	116	105	105	29	272	592	357	68	272
28	39	134	121	118	103	105	32	268	597	322	73	270
29	37	147	122	118	---	104	26	295	603	291	64	271
30	37	156	121	117	---	104	25	364	613	290	53	281
31	36	---	121	119	---	105	---	355	---	288	49	---
TOTAL	1363	2608	3944	3655	3123	3223	2872	4479	12416	13946	4269	2914
MEAN	44.0	86.9	127	118	112	104	95.7	144	414	450	138	97.1
AC-FT	2700	5170	7820	7250	6190	6390	5700	8880	24630	27660	8470	5780
MAX	54	156	154	121	121	108	129	364	613	603	316	281
MIN	36	29	121	115	103	94	25	28	248	288	49	41

CAL YR 1990 TOTAL 49719 MEAN 136 MAX 672 MIN 10 AC-FT 98620
WTR YR 1991 TOTAL 58812 MEAN 161 MAX 613 MIN 25 AC-FT 116700

MAX DISCH 637 CFS AT 0100 30-JUN-1991 GH 1.89 FT. SHIFT 0.04 FT. MAX GH 1.89 FT. AT 0100

PLATTE RIVER BASIN

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE, CO

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

DRAINAGE AREA.--2,579 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry in a wooden shelter on a natural channel. Datum of gage is 6,078.43 ft above mean sea level. Road access is controlled by the U.S. Forest Service and the Denver Water Dept. Satellite telemetry is maintained by the U. S. Army Corps of Engineers and the USGS.

REMARKS.--Hourly record from satellite data was complete and reliable, except for the ice period. From Dec.21, 1990 to Feb.22, 1991 the record was ice affected, and the gage was entirely frozen (no record) during Dec.23-27,1990. Discharge was estimated for this period from Denver Water Dept. records for computed inflow to Strontia Springs Res. Record is good, except for the ice period, which is fair. Station is maintained and records developed by Robert Cooper.

RATING TABLE.--PLASPLC014 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	372	390	279	287	293	238	217	310	577	746	629	564	
2	378	359	258	264	270	249	232	272	669	654	631	560	
3	453	184	248	253	245	244	232	288	628	756	713	579	
4	424	156	267	219	243	254	220	351	602	753	891	592	
5	412	305	282	306	230	256	234	357	644	737	868	605	
6	406	173	266	283	231	227	337	357	794	726	858	674	
7	407	136	259	350	247	199	357	327	907	729	912	671	
8	410	164	260	355	232	196	347	317	624	767	833	668	
9	365	172	262	343	207	197	261	362	570	768	639	655	
10	307	233	262	309	224	205	255	409	552	698	631	653	
11	192	305	264	293	221	208	253	394	577	630	630	674	
12	171	303	267	294	222	208	258	399	578	647	632	762	
13	166	302	267	313	215	220	244	346	554	630	595	761	
14	168	302	262	290	196	222	253	426	594	616	582	694	
15	162	283	254	267	204	220	255	624	566	581	616	648	
16	203	282	274	255	204	205	264	554	579	564	604	655	
17	264	275	267	250	187	204	270	381	536	639	648	682	
18	265	277	255	256	173	205	278	373	502	636	658	669	
19	267	270	249	263	193	210	272	513	474	658	690	595	
20	245	245	207	252	203	251	270	495	658	664	681	499	
21	224	239	247	245	190	248	270	446	668	662	589	533	
22	231	240	249	249	199	252	274	379	679	687	544	527	
23	214	239	272	252	205	249	315	415	672	664	542	514	
24	177	246	275	283	208	250	312	464	636	631	627	428	
25	173	243	270	290	232	252	302	431	669	678	661	502	
26	203	240	275	285	245	270	305	482	753	901	664	511	
27	246	245	290	287	245	290	293	523	836	898	632	511	
28	241	212	386	280	238	253	285	488	828	807	653	468	
29	252	219	332	240	---	241	293	451	772	712	650	443	
30	315	303	279	261	---	212	351	517	788	668	598	458	
31	372	---	342	266	---	210	---	505	---	638	572	---	
TOTAL	8685	7542	8426	8640	6202	7145	8309	12956	19486	21545	20673	17755	
MEAN	280	251	272	279	222	230	277	418	650	695	667	592	
AC-FT	17230	14960	16710	17140	12300	14170	16480	25700	38650	42730	41000	35220	
MAX	453	390	386	355	293	290	357	624	907	901	912	762	
MIN	162	136	207	219	173	196	217	272	474	564	542	428	
CAL YR 1990 TOTAL		152561	MEAN	418	MAX	1070	MIN	136	AC-FT	302600			
WTR YR 1991 TOTAL		147364	MEAN	404	MAX	912	MIN	136	AC-FT	292300			
MAX DISCH		1052	CFS AT 0145	07-JUN-1991	GH	3.91	FT.	SHIFT	-0.01	FT.	MAX GH	3.91	FT. AT 0145
07-JUN-1991													

PLATTE RIVER BASIN

06707501 SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record complete, reliable and good. Station maintained and records developed by Rodger L. Burcher.

RATING TABLE.--PLASTRCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	31	69	77	57	57	35	101	387	284	189	266
2	166	207	67	78	55	64	38	100	484	345	184	256
3	167	59	65	77	54	65	36	99	573	346	394	195
4	166	33	65	80	53	51	65	99	628	345	702	150
5	174	33	66	74	36	38	79	100	629	344	538	150
6	175	33	67	77	25	38	79	100	676	286	596	194
7	178	34	66	77	25	38	78	82	802	246	764	244
8	178	36	65	77	24	39	78	69	503	250	651	238
9	198	42	65	77	24	39	78	71	588	414	498	242
10	141	40	66	77	24	39	77	46	451	464	376	360
11	50	40	69	77	24	40	77	32	361	360	359	356
12	49	41	69	77	24	40	90	32	362	252	359	356
13	43	41	70	77	24	40	100	32	320	298	333	358
14	254	41	69	77	24	40	102	79	249	355	315	358
15	235	43	71	77	24	40	103	206	242	264	309	357
16	52	43	73	68	24	40	103	261	241	166	272	312
17	44	43	73	67	25	40	103	269	238	165	266	262
18	39	44	73	69	25	40	103	224	237	166	268	260
19	39	44	73	70	25	36	103	225	239	166	268	261
20	39	44	73	70	31	36	103	213	256	166	518	198
21	39	44	74	69	33	36	101	214	306	201	320	167
22	38	43	75	69	33	36	100	216	333	357	243	167
23	37	43	73	68	33	36	61	218	335	522	241	167
24	32	43	70	67	33	36	81	217	321	453	240	164
25	32	43	73	67	33	36	101	219	319	412	240	162
26	32	44	75	65	35	36	103	219	331	729	169	161
27	31	72	77	65	36	36	101	222	301	771	118	90
28	31	82	76	64	36	36	101	271	243	636	198	57
29	31	77	77	62	---	36	101	324	235	373	305	46
30	30	69	77	61	---	35	101	340	237	289	294	38
31	31	---	77	60	---	35	---	379	---	249	273	---
TOTAL	2941	1532	2198	2217	899	1254	2581	5279	11427	10674	10800	6592
MEAN	94.9	51.1	70.9	71.5	32.1	40.5	86.0	170	381	344	348	220
AC-FT	5830	3040	4360	4400	1780	2490	5120	10470	22670	21170	21420	13080
MAX	254	207	77	80	57	65	103	379	802	771	764	360
MIN	30	31	65	60	24	35	35	32	235	165	118	38

CAL YR 1990 TOTAL 62978 MEAN 173 MAX 973 MIN 30 AC-FT 124900
WTR YR 1991 TOTAL 58394 MEAN 160 MAX 802 MIN 24 AC-FT 115800

MAX DISCH 6180 CFS AT 0415 25-JUN-1991 GH 7.68 FT. SHIFT 0.01 FT. MAX GH 7.68 FT. AT 0415

PLATTE RIVER BASIN

06708000 SOUTH PLATTE RIVER AT WATERTON, CO

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

DRAINAGE AREA.--2,621 mi².

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

REMARKS.--Natural flow of stream affected by transmountain diversions and diversions for irrigation and reservoir storage. Record complete and reliable due to location of station below Strontia Springs Reservoir and use of Denver Water Board records. Station maintained and records developed by Rodger L. Burcher.

RATING TABLE.--PLAWATC008 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	59	28	22	49	23	46	31	32	159	114	67	67		
2	40	122	22	50	18	47	30	29	228	177	59	60		
3	37	66	21	49	16	30	29	29	344	228	158	74		
4	37	29	29	49	15	17	30	33	302	238	383	67		
5	40	31	25	38	20	26	29	31	242	238	282	58		
6	40	32	21	39	23	35	29	36	377	174	328	52		
7	37	31	21	39	25	39	29	37	525	114	502	61		
8	39	32	21	39	24	39	29	39	287	159	457	59		
9	60	35	22	38	24	39	28	38	400	339	313	59		
10	122	36	22	36	24	40	28	34	257	440	186	67		
11	57	36	25	34	24	40	28	32	177	355	164	65		
12	44	36	25	34	24	39	29	36	190	185	127	61		
13	41	36	24	33	24	32	26	36	137	203	96	59		
14	227	38	24	34	24	34	27	29	83	307	75	55		
15	268	38	26	34	24	34	27	60	70	205	70	53		
16	45	39	26	34	24	34	26	97	71	67	89	42		
17	43	39	25	38	25	34	27	125	70	62	75	37		
18	39	39	26	40	25	34	27	67	72	56	77	30		
19	39	39	37	41	25	32	28	61	75	56	86	29		
20	41	39	43	41	31	29	29	62	89	58	355	33		
21	39	39	47	40	33	29	29	61	83	72	174	40		
22	39	37	45	39	33	30	29	60	88	216	78	39		
23	36	37	42	37	33	29	33	60	91	307	72	41		
24	30	37	45	35	33	29	32	61	80	182	72	41		
25	29	36	47	34	33	29	30	61	77	159	71	39		
26	29	37	49	31	35	31	32	61	83	422	71	38		
27	29	35	48	31	36	31	31	60	80	514	64	49		
28	28	32	49	30	36	30	31	92	88	411	75	54		
29	26	28	49	29	---	31	31	151	75	160	81	47		
30	27	24	49	27	---	31	34	148	69	93	87	39		
31	28	---	49	27	---	30	---	152	---	127	72	---		
TOTAL	1695	1163	1026	1149	734	1030	878	1910	4969	6438	4866	1515		
MEAN	54.7	38.8	33.1	37.1	26.2	33.2	29.3	61.6	166	208	157	50.5		
AC-FT	3360	2310	2040	2280	1460	2040	1740	3790	9860	12770	9650	3000		
MAX	268	122	49	50	36	47	34	152	525	514	502	74		
MIN	26	24	21	27	15	17	26	29	69	56	59	29		
CAL YR 1990 TOTAL		32536	MEAN	89.1	MAX	715	MIN	20	AC-FT	64540				
WTR YR 1991 TOTAL		27373	MEAN	75.0	MAX	525	MIN	15	AC-FT	54290				
MAX DISCH		1024	CFS AT	2330	14-OCT-1990	GH	2.58	FT. SHIFT	0.02	FT. MAX	GH	2.58	FT. AT	2330
14-OCT-1990														

PLATTE RIVER BASIN

SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR, CO

LOCATION.--Lat 39°33' 26", long 105°03'27", SE¼, sec.1, T.6 S., R.69 W., Jefferson County, Hydrologic Unit 10190002.
 DRAINAGE AREA.--3,018 mi².

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

REMARKS.--Record is complete, reliable and good. Station maintained and records developed by Rodger L. Burcher.

RATING TABLE.--PLACHACO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	55	1.4	5.7	0.56	0.28	12	56	183	218	54	107
2	16	128	1.4	5.0	0.56	0.29	32	67	96	302	100	107
3	16	169	2.8	4.3	0.56	0.25	37	39	33	297	121	70
4	16	169	6.3	4.3	0.56	0.21	80	39	73	296	448	50
5	16	192	7.4	4.3	0.49	0.29	125	39	6.0	255	550	113
6	16	260	8.9	4.5	0.51	0.20	125	39	6.1	146	372	171
7	16	305	8.9	3.6	0.52	0.20	125	54	6.3	43	200	134
8	16	253	8.9	2.6	0.56	0.20	181	70	53	30	197	134
9	16	166	8.9	2.6	0.50	0.18	331	53	135	84	222	83
10	42	133	8.9	1.6	0.47	0.16	337	31	206	126	253	1.8
11	99	132	9.3	0.74	0.48	0.16	195	66	167	117	147	0.18
12	95	134	8.9	0.74	0.50	0.16	96	98	186	117	100	0.16
13	48	134	8.9	0.74	0.56	0.16	95	156	242	117	132	0.16
14	48	132	9.0	0.65	0.46	0.17	95	187	134	117	206	0.13
15	36	132	8.9	0.65	0.47	0.18	103	96	104	87	254	0.13
16	11	110	8.9	0.65	0.46	0.18	80	69	104	46	257	28
17	11	73	8.9	0.65	0.47	0.18	41	139	120	34	237	55
18	11	73	8.9	0.65	0.56	0.17	34	239	190	9.1	158	41
19	11	73	9.3	0.65	0.56	0.16	41	203	181	0.12	184	23
20	11	72	8.9	0.74	1.6	0.16	48	201	205	0.16	250	14
21	11	40	8.9	0.74	1.9	19	48	321	206	26	173	14
22	62	20	8.9	0.65	0.23	31	48	346	190	73	181	14
23	94	20	8.9	0.65	0.28	31	48	209	189	73	175	14
24	103	19	8.9	0.65	0.30	31	58	112	171	50	117	10
25	120	20	8.9	0.56	0.24	70	102	72	169	14	69	2.0
26	79	20	8.9	0.56	0.20	125	120	59	252	122	61	0.20
27	21	16	8.2	0.56	0.20	133	95	115	260	335	156	0.20
28	21	10	6.0	0.65	0.29	77	95	127	145	346	275	0.20
29	21	7.8	5.7	0.65	---	0.20	74	68	97	221	199	0.29
30	21	3.4	5.6	0.65	---	0.10	34	95	122	94	132	0.29
31	21	---	5.7	0.56	---	0.03	---	151	---	24	107	---
TOTAL	1131.7	3071.2	238.3	52.24	15.03	521.29	2935	3616	4231.4	3819.39	6087	1187.75
MEAN	36.5	102	7.69	1.69	0.54	16.8	97.8	117	141	123	196	39.6
AC-FT	2240	6090	473	104	30	1030	5820	7170	8390	7580	12070	2360
MAX	120	305	9.3	5.7	1.9	133	337	346	260	346	550	171
MIN	6.7	3.4	1.4	0.56	0.20	0.03	12	31	6.0	0.12	54	0.13
CAL YR 1990 TOTAL	30263.05		MEAN	82.9	MAX	481	MIN	0.00	AC-FT	60030		
WTR YR 1991 TOTAL	26906.29		MEAN	73.7	MAX	550	MIN	0.03	AC-FT	53370		
MAX DISCH	566 CFS	AT 1400	04-AUG-1991	GH	3.25 FT.	SHIFT	0.00 FT.	MAX GH	3.25 FT.	AT 1400		
04-AUG-1991												

PLATTE RIVER BASIN

06710500 BEAR CREEK AT MORRISON, CO

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

DRAINAGE AREA.--164 mi².

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

REMARKS.--The record is considered good except for the periods of missing record December 21-31, 1990; January 1-31; February 1-27, 1991, which is considered poor. The stage-discharge relation was affected by ice on November 28-30; December 1-11, 14-16, 19-20, 1990; February 28; March 7-9, 1991. Station maintained and records developed by Rodger L. Burcher.

RATING TABLE.--BCRMORCO18 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	35	27	23	17	13	20	30	176	70	70	64
2	51	36	26	23	17	16	22	34	203	67	76	67
3	55	33	26	22	16	16	22	31	160	66	105	70
4	46	30	25	22	16	18	19	36	148	64	160	61
5	43	40	25	22	16	20	22	37	155	59	116	59
6	42	41	25	22	16	19	25	37	193	55	106	56
7	41	29	25	21	16	18	26	37	191	54	105	55
8	45	39	24	21	16	17	26	40	178	62	93	59
9	42	37	24	21	16	16	22	53	164	62	95	53
10	45	38	23	21	15	15	21	61	164	74	93	52
11	43	35	23	20	15	18	22	69	170	64	98	54
12	40	32	25	20	15	16	23	71	159	65	98	58
13	40	31	25	20	15	14	17	58	151	64	100	68
14	36	33	25	20	15	15	20	62	159	57	96	56
15	36	32	26	20	15	15	22	66	153	49	86	51
16	35	31	27	19	15	14	25	94	156	49	84	48
17	35	31	27	19	14	14	29	87	155	50	83	46
18	37	31	26	19	14	14	30	89	126	52	81	47
19	37	30	26	19	14	16	27	119	121	58	95	47
20	32	29	25	19	14	18	26	132	111	57	94	45
21	40	26	25	19	14	15	28	132	115	60	86	44
22	33	18	25	18	14	16	30	111	114	66	76	43
23	32	28	25	18	14	14	30	120	105	86	74	43
24	40	28	24	18	14	15	29	133	98	96	72	41
25	38	27	24	18	13	17	29	137	90	93	70	41
26	38	25	24	18	13	18	31	144	82	87	71	39
27	38	28	24	18	13	18	27	141	76	80	68	38
28	37	28	24	17	16	15	26	134	77	71	83	37
29	37	27	23	17	---	16	27	125	75	70	86	37
30	37	27	23	17	---	15	30	113	78	65	68	53
31	36	---	23	17	---	17	---	106	---	66	64	---
TOTAL	1238	935	769	608	418	498	753	2639	4103	2038	2752	1532
MEAN	39.9	31.2	24.8	19.6	14.9	16.1	25.1	85.1	137	65.7	88.8	51.1
AC-FT	2460	1850	1530	1210	829	988	1490	5230	8140	4040	5460	3040
MAX	55	41	27	23	17	20	31	144	203	96	160	70
MIN	32	18	23	17	13	13	17	30	75	49	64	37
CAL YR 1990 TOTAL		16394	MEAN	44.9	MAX	142	MIN	13	AC-FT	32520		
WTR YR 1991 TOTAL		18283	MEAN	50.1	MAX	203	MIN	13	AC-FT	36260		
MAX DISCH		298 CFS	AT 1600	01-JUN-1991	GH	5.37 FT.	SHIFT	0.01 FT.	MAX GH	5.37 FT.	AT 1600	
01-JUN-1991												

PLATTE RIVER BASIN

06711500 BEAR CREEK AT MOUTH, AT SHERIDAN, CO

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

DRAINAGE AREA.--260 mi².

GAGE.--Water-stage recorder with satellite telemetry, Elevation of gage is 5,295 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1710 or 1730 for history of changes prior to Oct. 9, 1953. Oct. 9, 1953, to Aug. 6, 1969, water-stage recorder at present site at datum 1.0 ft, higher. Levels were run to the inside gage on August 09, 1991 using RM No. 5 as base. The gage was found to read 0.01 ft. low. No correction was made as the gage was within the limits of +/-0.02 feet.

REMARKS.--The record is complete and reliable. The stage-discharge relation was affected by ice on December 20, 1990; January 5-31; February 1-3, 1991. Record is good except for periods of ice affect which is fair. Station maintained and records developed by Rodger L. Burcher.

RATING TABLE.--BCRSHECO31 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	24	28	31	23	23	8.0	27	334	40	49	55
2	53	29	31	28	23	22	8.0	23	318	42	64	54
3	53	30	24	28	23	23	8.0	24	223	55	172	58
4	47	25	18	28	23	23	8.0	30	178	44	203	59
5	41	30	25	28	23	27	8.0	38	187	44	154	52
6	32	38	30	28	23	27	8.6	32	194	40	127	49
7	32	31	29	28	23	25	10	26	245	38	126	47
8	34	28	32	28	23	22	16	29	220	53	115	48
9	29	35	34	28	22	20	16	35	192	70	107	48
10	27	30	32	28	23	20	13	43	173	74	107	44
11	28	28	32	28	23	21	12	55	177	63	107	45
12	28	24	32	28	22	22	18	56	162	61	107	46
13	28	22	34	28	22	23	20	49	162	63	110	57
14	27	22	33	27	21	23	17	45	172	52	107	58
15	25	36	32	27	23	23	15	55	166	43	103	50
16	24	42	24	27	24	26	14	106	163	38	95	45
17	24	42	30	27	24	26	14	120	176	32	84	42
18	24	42	32	27	23	27	15	101	147	31	80	42
19	25	42	31	27	22	35	14	125	127	35	94	43
20	36	39	30	26	21	36	13	119	112	41	90	42
21	32	36	42	26	21	31	13	113	122	41	80	40
22	32	30	42	26	22	16	14	102	127	48	71	39
23	31	26	42	26	22	15	15	126	98	82	63	39
24	32	32	43	26	22	16	9.7	129	84	107	64	39
25	30	32	44	26	21	16	9.5	133	75	116	61	38
26	28	32	41	26	21	20	11	147	57	104	61	37
27	25	32	37	26	22	16	13	144	46	92	62	36
28	26	29	35	25	23	18	17	166	52	79	81	34
29	26	22	32	25	---	13	19	123	45	68	93	35
30	24	26	34	24	---	8.4	43	96	43	55	71	44
31	25	---	32	24	---	8.5	---	99	---	51	61	---
TOTAL	977	936	1017	835	628	671.9	419.8	2516	4577	1802	2969	1365
MEAN	31.5	31.2	32.8	26.9	22.4	21.7	14.0	81.2	153	58.1	95.8	45.5
AC-FT	1940	1860	2020	1660	1250	1330	833	4990	9080	3570	5890	2710
MAX	53	42	44	31	24	36	43	166	334	116	203	59
MIN	24	22	18	24	21	8.4	8.0	23	43	31	49	34
CAL YR 1990 TOTAL	16472.2		MEAN	45.1	MAX	180	MIN	8.5	AC-FT	32670		
WTR YR 1991 TOTAL	18713.7		MEAN	51.3	MAX	334	MIN	8.0	AC-FT	37120		
MAX DISCH	1646 CFS AT 2030		01-JUN-1991	GH	5.91 FT.	SHIFT	-0.03 FT.	MAX GH	5.91 FT. AT 2030			
01-JUN-1991												

PLATTE RIVER BASIN

06714000 SOUTH PLATTE RIVER AT DENVER, CO

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

DRAINAGE AREA.--3,861 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,157.64 ft above National Geodetic Vertical Datum, adjustment of 1960, Prior to Aug, 12, 1909, nonrecording gages, and Aug. 12, 1909, to Aug. 28, 1931, water-stage recorder, at several sites within 0.5 mi of present site at various datums. Aug. 29, 1931, to June 28, 1965, water-stage recorder at site 70 ft downstream at datum 3.66 ft, lower, June 29, 1965, to Mar. 18, 1966, water-stage recorder at site 70 ft downstream at present datum. Levels were run to the inside gage on August 09, 1991 using BM No. 2 as a reference. Gage was found to be reading correctly. Station maintained and records developed by Rodger L. Burcher.

REMARKS.--The record is complete and reliable.

RATING TABLE.--PLADENCO28 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	192	117	115	91	99	79	86	205	1690	321	189	262	
2	220	204	116	98	117	84	86	200	1090	424	757	261	
3	280	336	105	94	103	85	103	158	509	463	1550	253	
4	203	272	99	93	97	72	108	210	415	436	1030	226	
5	188	270	102	92	94	130	173	289	394	411	1120	217	
6	178	462	114	96	85	139	184	167	562	326	847	321	
7	178	399	109	91	84	102	183	160	499	222	445	275	
8	249	380	116	97	86	90	268	177	347	313	475	276	
9	181	306	117	91	80	89	345	179	576	488	390	272	
10	176	253	115	89	85	82	392	161	486	434	519	178	
11	215	257	111	90	85	85	336	167	484	299	429	164	
12	232	249	107	85	76	87	381	225	426	456	359	158	
13	186	247	116	85	84	85	234	233	544	379	368	177	
14	167	245	120	88	81	90	202	330	456	288	428	184	
15	160	248	108	81	83	88	183	494	402	262	498	172	
16	126	247	108	98	82	94	191	958	407	198	526	164	
17	114	200	115	83	86	97	140	526	407	183	487	194	
18	119	195	116	90	85	91	126	475	398	163	422	208	
19	120	196	111	93	80	92	126	437	428	153	373	189	
20	292	193	75	92	79	96	132	396	382	390	515	172	
21	166	188	70	79	78	96	153	568	915	243	400	160	
22	142	152	106	72	68	123	144	616	870	440	368	158	
23	200	149	133	86	82	107	132	948	428	475	381	167	
24	183	145	92	67	97	104	135	592	394	321	332	160	
25	217	144	93	78	96	103	147	394	360	291	278	149	
26	215	140	97	59	78	202	203	325	390	262	248	138	
27	149	157	94	89	82	341	180	355	419	480	307	134	
28	137	131	101	86	86	206	182	478	340	521	605	131	
29	139	112	92	77	---	115	176	610	466	424	469	128	
30	126	114	101	69	---	95	536	291	456	302	326	220	
31	122	---	94	83	---	84	---	464	---	208	272	---	
TOTAL	5572	6708	3268	2662	2418	3433	5967	11788	15940	10576	15713	5868	
MEAN	180	224	105	85.9	86.4	111	199	380	531	341	507	196	
AC-FT	11050	13310	6480	5280	4800	6810	11840	23380	31620	20980	31170	11640	
MAX	292	462	133	98	117	341	536	958	1690	521	1550	321	
MIN	114	112	70	59	68	72	86	158	340	153	189	128	
CAL YR 1990 TOTAL		93541	MEAN	256	MAX	1660	MIN	70	AC-FT	185500			
WTR YR 1991 TOTAL		89913	MEAN	246	MAX	1690	MIN	59	AC-FT	178300			
MAX DISCH		5690	CFS AT 1900	01-JUN-1991	GH	8.01	FT.	SHIFT	0.05	FT.	MAX GH	8.01	FT. AT 1900
01-JUN-1991													

PLATTE RIVER BASIN

06720000 CLEAR CREEK AT DERBY, CO

LOCATION.--Lat 39°49'42", long 104°57'30", in SW¼SW¼ sec.36, T.2 S., R.68 W., Adams County, Hydrologic Unit 10190004, on right bank 210 ft downstream from York Street bridge, 0.6 mi upstream from mouth, and 2.5 mi west of Derby.

DRAINAGE AREA.--575 mi².

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

REMARKS.--Record good except during period of ice-affect, Dec. 19, 1990-Feb. 27, 1991, and from July 14, 1991 to end of year when control section began washing out. Records developed using actual measurements and gage heights and prorating discharges. Station maintained and records developed by Rodger L. Burcher.

RATING TABLE.--CLEDERCO31 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	3.2	32	28	33	23	18	35	398	160	49	6.0
2	52	20	31	28	33	22	22	10	730	136	137	6.0
3	53	72	29	29	33	24	24	13	406	160	455	9.0
4	44	34	31	29	33	23	20	28	223	243	347	6.0
5	29	27	30	29	33	53	16	74	104	231	243	13
6	23	78	30	29	32	29	16	14	221	222	158	13
7	20	28	29	30	32	23	8.6	7.3	623	209	164	16
8	57	47	29	30	32	23	12	3.9	634	240	72	18
9	43	61	26	30	32	22	4.6	4.2	664	234	54	17
10	22	55	19	31	32	21	4.1	22	685	351	45	35
11	22	49	23	31	32	19	18	54	623	299	30	57
12	21	40	22	31	32	18	52	63	617	264	16	44
13	8.7	25	22	31	32	18	46	23	585	214	70	36
14	8.7	16	23	32	31	21	24	6.3	578	170	28	30
15	8.3	18	23	32	30	21	27	56	604	93	16	14
16	7.1	13	22	32	30	13	23	193	619	90	50	14
17	5.4	3.5	27	33	29	9.2	22	57	556	207	28	13
18	4.5	3.0	24	33	29	17	22	37	598	283	14	14
19	6.3	16	24	33	28	12	20	88	532	277	62	14
20	68	31	25	33	28	9.2	18	106	438	208	36	14
21	33	31	25	34	27	5.4	40	121	512	158	29	10
22	21	28	25	34	26	8.1	31	96	519	502	19	5.0
23	22	24	25	34	26	20	15	234	435	475	17	7.0
24	9.4	27	26	34	25	20	12	172	356	418	9.0	13
25	4.0	29	26	34	25	20	8.2	108	290	316	8.0	7.0
26	4.0	22	26	34	24	21	1.6	105	230	280	10	7.0
27	3.4	44	27	34	24	49	1.2	98	160	175	9.0	10
28	3.2	41	27	34	23	21	0.53	98	161	113	14	14
29	3.0	26	27	34	---	19	0.45	92	178	36	15	12
30	3.6	33	27	33	---	22	75	111	155	20	7.0	32
31	3.4	---	28	33	---	18	---	84	---	28	4.0	---
TOTAL	655.0	944.7	810	986	826	643.9	602.29	2213.7	13434	6812	2215.0	506.0
MEAN	21.1	31.5	26.1	31.8	29.5	20.8	20.1	71.4	448	220	71.5	16.9
AC-FT	1300	1870	1610	1960	1640	1280	1190	4390	26650	13510	4390	1000
MAX	68	78	32	34	33	53	75	234	730	502	455	57
MIN	3.0	3.0	19	28	23	5.4	0.45	3.9	104	20	4.0	5.0

CAL YR 1990 TOTAL 20149.6 MEAN 55.2 MAX 504 MIN 2.6 AC-FT 39970
WTR YR 1991 TOTAL 30648.59 MEAN 84.0 MAX 730 MIN 0.45 AC-FT 60790

MAX DISCH 2188 CFS AT 1800 22-JUL-1991 GH 5.97 FT. SHIFT 0.44 FT. MAX GH 5.97 FT. AT 1800

PLATTE RIVER BASIN

06720500 SOUTH PLATTE RIVER AT HENDERSON, CO

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

DRAINAGE AREA --4,713 mi².

GAGE --Water-stage recorder with satellite telemetry. Datum of gage is 5,003.12 ft above National Geodetic Vertical Datum of 1929. See WSP 1710 or 1730 for history of changes prior to June 1, 1960. June 1, 1960, to May 10, 1969, water-stage recorder at site 1,200 ft upstream at datum 2.00 ft, higher. May 11 to Oct. 2, 1969, nonrecording gage at site 500 ft downstream at present datum. Levels were run on August 09, 1991 using RM No. 5 as base. The RP was found to be 0.02 ft. high and was not corrected. Station maintained and records developed by Rodger L. Burcher.

REMARKS --No estimated daily discharges. Records good. Natural flow of stream affected by transmountain diversions, storage reservoirs, ground-water withdrawals, diversions for irrigation of about 253,000 acres, and return flow from irrigated areas.

RATING TABLE --PLAHENCO26 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	312	222	204	244	313	195	151	318	2170	609	400	374
2	327	207	203	272	344	179	105	210	3000	711	559	380
3	335	312	210	276	323	171	101	190	1080	884	3530	411
4	301	266	210	282	311	182	94	208	662	794	1510	406
5	288	239	202	282	314	251	109	353	802	759	1200	391
6	273	365	213	286	289	264	115	197	982	658	1070	343
7	262	290	202	283	276	220	112	171	1630	622	643	355
8	348	252	196	288	274	196	191	154	1100	626	532	357
9	335	248	204	280	275	187	213	145	1120	813	413	339
10	312	228	203	284	268	184	210	179	1190	1250	480	262
11	312	225	223	283	273	181	266	243	1010	768	419	269
12	305	222	209	285	270	177	383	305	914	1090	383	261
13	280	215	204	289	291	173	269	289	882	1300	428	255
14	260	210	209	294	281	170	222	237	947	835	420	252
15	262	208	203	297	264	134	200	489	901	650	424	230
16	254	199	219	316	263	90	182	1350	904	548	500	216
17	249	193	217	335	255	93	177	587	841	502	524	213
18	242	190	223	315	257	99	176	453	779	522	432	223
19	239	198	208	316	247	100	176	447	688	509	465	233
20	340	210	205	324	247	100	166	411	592	479	416	229
21	303	207	215	331	247	103	185	462	663	677	411	225
22	266	202	229	319	249	98	191	533	1890	1070	390	217
23	273	189	229	322	249	97	176	1150	701	1500	405	223
24	256	194	226	311	243	95	169	1040	576	782	378	223
25	243	195	229	314	241	93	157	523	496	685	387	219
26	242	217	219	309	188	96	158	504	515	606	377	225
27	248	301	232	313	179	342	152	440	616	548	378	217
28	242	249	239	312	182	127	149	477	701	566	732	211
29	239	259	232	306	---	114	153	846	649	469	583	202
30	246	242	232	300	---	118	617	494	551	424	406	301
31	269	---	237	305	---	107	---	458	---	418	370	---
TOTAL	8663	6954	6686	9273	7413	4736	5725	13863	29552	22674	19565	8262
MEAN	279	232	216	299	265	153	191	447	985	731	631	275
AC-FT	17180	13790	13260	18390	14700	9390	11360	27500	58620	44970	38810	16390
MAX	348	365	239	335	344	342	617	1350	3000	1500	3530	411
MIN	239	189	196	244	179	90	94	145	496	418	370	202
CAL YR 1990 TOTAL		143009	MEAN	392	MAX	2200	MIN	164	AC-FT	283700		
WTR YR 1991 TOTAL		143366	MEAN	393	MAX	3530	MIN	90	AC-FT	284400		
MAX DISCH		9720 CFS	AT 2300	01-JUN-1991	GH	9.06 FT.	SHIFT	-0.97 FT.	MAX GH	9.06 FT.	AT 2300	
01-JUN-1991												

PLATTE RIVER BASIN

06721000 SOUTH PLATTE RIVER AT FORT LUPTON, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record complete, reliable and good except for estimated days; Dec.5-12,1990, Aug.15-21,1991, when orifice on manometer not working properly. Station maintained and records developed by Rodger L. Burcher.

RATING TABLE.--PLALUPCO20 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	480	332	292	289	351	264	261	577	836	382	335	365
2	432	268	279	345	404	235	194	294	3940	460	387	369
3	500	352	278	346	423	229	169	229	1620	634	2940	402
4	420	400	270	345	404	234	140	217	846	551	2080	395
5	386	335	293	341	369	298	134	408	536	531	1080	380
6	347	435	293	344	360	382	154	292	426	468	1370	322
7	329	463	293	352	341	325	159	226	1660	447	880	336
8	423	344	293	349	332	289	232	208	977	400	555	355
9	454	357	293	345	335	272	288	168	790	500	447	377
10	432	324	293	345	336	269	271	170	1020	1050	438	310
11	428	316	293	342	332	270	360	195	887	697	418	300
12	414	311	293	339	329	256	533	256	788	655	366	284
13	378	296	291	349	327	243	423	288	757	1500	404	285
14	360	278	293	360	351	238	368	238	827	800	406	294
15	369	282	273	354	359	242	299	215	807	641	405	278
16	356	268	290	353	336	175	254	1410	817	522	470	288
17	352	260	300	383	332	182	229	800	778	446	609	283
18	328	278	290	379	330	183	224	475	721	487	423	283
19	332	278	273	376	333	169	224	443	643	460	432	303
20	405	292	256	365	323	167	210	428	571	461	414	305
21	471	281	292	360	321	172	232	369	448	679	410	303
22	396	265	320	362	324	177	253	420	1620	582	409	286
23	356	255	331	364	317	174	234	753	605	2310	408	302
24	359	251	321	346	332	173	219	1300	450	978	386	304
25	346	254	284	344	339	166	195	525	345	685	369	302
26	342	274	279	334	282	158	187	462	348	729	369	292
27	344	374	294	364	246	449	178	407	405	675	344	284
28	343	344	301	367	243	281	176	400	490	608	501	268
29	328	356	294	340	---	224	171	740	484	482	729	261
30	324	364	294	341	---	230	487	445	388	404	440	361
31	343	---	288	357	---	221	---	396	---	400	370	---
TOTAL	11877	9487	9027	10880	9411	7347	7458	13754	25830	20624	19594	9477
MEAN	383	316	291	351	336	237	249	444	861	665	632	316
AC-FT	23560	18820	17910	21580	18670	14570	14790	27280	51230	40910	38860	18800
MAX	500	463	331	383	423	449	533	1410	3940	2310	2940	402
MIN	324	251	256	289	243	158	134	168	345	382	335	261

CAL YR 1990 TOTAL 166980 MEAN 457 MAX 3580 MIN 157 AC-FT 331200
WTR YR 1991 TOTAL 154766 MEAN 424 MAX 3940 MIN 134 AC-FT 307000

MAX DISCH 8025 CFS AT 0415 02-JUN-1991 GH 6.70 FT. SHIFT 0.45 FT. MAX GH 6.70 FT. AT 0415

PLATTE RIVER BASIN

06724000 ST VRAIN CREEK AT LYONS, CO

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

DRAINAGE AREA.--212 mi².

GAGE.--Water-stage recorder with satellite telemetry, Elevation of gage is 5,292 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Apr. 6, 1923, nonrecording gages near present site at different datums. Apr. 6, 1923, to Sept. 30, 1956, water-stage recorder at same site at datum 1.00 ft, higher. Levels were run to inside gage on May 20, 1991 using BM No. 2 as base. The gage was found to be reading correct.

REMARKS.--Record is complete and reliable except for partial loss of record on June 1-2, 1991, when gear chain on shaft encoder and recorder fouled up, and December 20-27, 1990 when ice affected. These periods rated as fair. Station maintained and records developed by Fred Renner.

RATING TABLE.--SVCLYOCO20 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	43	32	23	17	17	15	15	50	584	325	148	70	
2	37	33	20	15	18	14	17	56	826	282	147	73	
3	41	32	12	14	16	14	21	47	528	272	224	79	
4	44	31	18	17	17	15	24	53	560	270	249	75	
5	28	33	22	20	19	21	23	58	898	250	203	62	
6	22	32	20	19	16	17	26	52	799	226	192	53	
7	28	27	19	19	16	17	33	44	893	224	197	55	
8	45	30	20	21	16	15	36	36	773	216	198	63	
9	46	32	20	22	17	16	24	55	725	257	180	66	
10	43	27	20	22	17	15	30	77	737	256	164	85	
11	45	29	21	23	17	15	35	95	700	218	150	87	
12	42	30	19	22	17	15	37	138	727	207	134	96	
13	41	29	19	21	17	15	33	170	705	192	148	101	
14	35	28	15	19	18	15	31	165	746	177	159	91	
15	29	37	12	19	18	15	29	154	768	161	142	75	
16	29	67	19	18	19	13	20	179	698	160	154	70	
17	32	68	19	17	20	14	17	192	606	168	162	62	
18	30	68	17	16	18	12	23	211	563	163	149	70	
19	31	67	16	16	17	9.6	26	238	508	173	154	68	
20	35	69	14	16	17	16	30	276	415	174	140	61	
21	35	57	13	17	18	15	35	268	472	185	123	57	
22	41	21	13	17	16	14	38	280	446	175	112	57	
23	61	21	13	17	17	12	36	344	410	268	100	58	
24	58	23	14	17	16	12	33	302	370	267	90	54	
25	59	21	15	17	17	12	33	301	345	310	93	46	
26	53	20	16	18	17	12	35	324	315	272	89	41	
27	31	23	17	19	18	22	34	322	278	220	92	42	
28	30	18	18	18	16	16	31	329	278	184	96	43	
29	29	16	17	18	---	17	32	324	329	171	96	35	
30	30	26	17	18	---	17	44	312	345	164	85	40	
31	31	---	18	17	---	12	---	316	---	155	73	---	
TOTAL	1184	1047	536	566	482	459.6	881	5768	17347	6742	4443	1935	
MEAN	38.2	34.9	17.3	18.3	17.2	14.8	29.4	186	578	217	143	64.5	
AC-FT	2350	2080	1060	1120	956	912	1750	11440	34410	13370	8810	3840	
MAX	61	69	23	23	20	22	44	344	898	325	249	101	
MIN	22	16	12	14	16	9.6	15	36	278	155	73	35	
CAL YR 1990 TOTAL		43938.0	MEAN	120	MAX	834	MIN	1.4	AC-FT	87150			
WTR YR 1991 TOTAL		41390.6	MEAN	113	MAX	898	MIN	9.6	AC-FT	82100			
MAX DISCH		1280 CFS	AT	1715	21-JUN-1991	GH	5.40 FT.	SHIFT	-0.09 FT.	MAX GH	5.40 FT.	AT	1715
21-JUN-1991													

PLATTE RIVER BASIN

06725500 MIDDLE BOULDER CREEK AT NEDERLAND, CO

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

DRAINAGE AREA.--36.2 mi².

GAGE.--Water-stage recorder and compound sharp-crested weir, Datum of gage is 8,186.0 ft, Public Service Co. datum. Prior to Mar. 18, 1909, at datum 4.0 ft, lower. Mar. 18, 1909, to Apr. 23, 1952, at datum 2.5 ft, lower than present datum. Levels were run to inside gage on July 24, 1991 using RM Mo.1 as base. Gage was found to be reading 0.01 ft low. No correction was made as the reading was within the allowable limit of +-0.02 ft.

REMARKS.--Record is complete and reliable. Stage-discharge relation affected by ice Nov. 29, 1990; Dec. 2-4, 7, 15-18, 20-27, 29-31, 1990; Jan. 20-23, 26-30, 1991; Feb. 25, 1991; Mar. 8, 18, 21, 1991. Records rated as fair during ice affected conditions. Station maintained by Public Service Co. of Co. and records developed by Fred Renner.

RATING TABLE.--BOCMIDCO07 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	13	7.7	5.3	4.5	4.7	6.3	14	336	147	46	26
2	21	13	7.1	5.1	4.5	4.7	7.3	17	359	135	46	26
3	26	8.9	6.7	4.9	4.5	4.7	7.7	17	256	132	57	26
4	21	12	6.7	5.3	4.7	4.9	8.3	17	227	122	77	25
5	17	13	7.1	5.3	4.5	5.1	11	18	246	114	56	24
6	17	12	7.5	5.7	4.5	5.1	13	17	284	116	62	23
7	18	11	7.5	5.9	4.5	4.9	14	20	307	110	85	28
8	20	12	7.3	5.7	4.5	5.1	13	28	274	108	61	32
9	20	12	7.3	5.5	4.5	5.3	14	40	276	130	57	47
10	22	12	7.3	5.5	4.3	5.1	10	57	264	112	54	48
11	24	12	7.5	5.3	4.5	5.1	9.5	86	264	104	56	46
12	18	12	7.5	5.5	4.5	5.1	8.9	101	299	93	52	50
13	17	12	7.7	5.7	4.7	4.9	10	93	320	93	51	51
14	17	11	7.3	5.5	4.9	4.5	9.1	97	319	85	45	44
15	17	11	7.3	5.1	5.1	4.5	11	95	338	77	42	42
16	17	11	7.3	5.1	4.9	4.9	11	83	302	76	45	38
17	14	10	7.1	5.5	4.9	4.5	14	73	272	77	41	36
18	17	10	7.3	5.3	4.9	4.7	14	86	254	77	39	31
19	22	10	7.3	5.3	4.9	4.9	13	132	229	77	42	26
20	21	10	6.9	5.3	5.1	4.9	14	156	218	82	39	25
21	17	7.1	6.7	5.3	4.7	4.7	17	165	225	80	38	24
22	19	6.1	6.3	5.3	4.7	4.5	17	190	232	82	35	22
23	22	8.7	5.5	5.3	4.8	4.7	17	171	217	93	34	20
24	20	8.9	4.9	5.3	4.7	4.9	17	128	206	86	32	19
25	19	8.7	4.9	5.3	4.7	5.3	20	147	187	85	31	18
26	18	9.3	4.5	5.1	4.7	5.1	22	204	169	82	31	18
27	18	8.7	4.9	4.9	4.5	5.1	16	204	156	72	31	17
28	17	7.3	5.3	4.9	4.3	5.1	15	199	169	61	29	17
29	16	7.7	5.1	4.7	---	4.9	14	190	163	54	29	16
30	14	8.1	5.1	4.5	---	5.7	14	185	162	50	28	16
31	14	---	5.1	4.5	---	6.1	---	187	---	47	29	---
TOTAL	582	308.5	203.7	162.9	130.5	153.7	388.1	3217	7530	2859	1400	881
MEAN	18.8	10.3	6.57	5.25	4.66	4.96	12.9	104	251	92.2	45.2	29.4
AC-FT	1150	612	404	323	259	305	770	6380	14940	5670	2780	1750
MAX	26	13	7.7	5.9	5.1	6.1	22	204	359	147	85	51
MIN	14	6.1	4.5	4.5	4.3	4.5	6.3	14	156	47	28	16
CAL YR 1990 TOTAL		19565.3	MEAN	53.60	MAX	404	MIN	3.4	AC-FT	38810		
WTR YR 1991 TOTAL		17816.4	MEAN	48.8	MAX	359	MIN	4.3	AC-FT	35340		
MAX DISCH		540 CFS	AT 2130	01-JUN-1991	GH	3.41 FT.	SHIFT	0.03 FT.	MAX	GH	3.41 FT.	AT 2130
01-JUN-1991												

PLATTE RIVER BASIN

06727000 BOULDER CREEK NEAR ORODELL, CO

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

DRAINAGE AREA.--102 mi².

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

REMARKS.-- Flow regulated by Barker Reservoir, capacity, 11,500 acre-Ft. Low flow during non-irrigation season regulated by Orodell power-plant 1,500 ft upstream from station. Record is complete and reliable except for Jan. 24-30, 1991, when the recorder cable came out of pulley wheel causing float to be above water surface in stilling well. Discharge for periods of no gage-height record were estimated using partial chart record, and measurement No. 127. Discharge for ice affected days were computed using corrected gage-heights. The period Nov.-Mar. cover a time where ice forms during period of low flow, but is washed away by the high releases from power-plant. The blocking off of ice (low portion of day) and measurements Nos. 122, 124-130 were used to compute corrected gage-heights. Station maintained and records developed by Fred Renner.

RATING TABLE.--BOCOROC013 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	29	10	22	12	15	15	13	18	263	207	74	49	
2	28	25	19	13	15	14	21	17	253	187	77	45	
3	30	35	15	18	17	12	28	22	206	180	114	40	
4	33	27	15	19	14	19	30	26	185	166	148	45	
5	28	31	22	23	14	20	30	27	189	148	130	44	
6	26	26	21	18	13	20	40	27	199	134	129	32	
7	22	27	21	18	12	20	31	29	206	124	164	19	
8	20	29	18	23	11	20	17	25	166	137	160	38	
9	25	25	18	22	13	21	21	28	146	170	145	47	
10	29	26	19	22	18	15	16	49	137	166	159	61	
11	28	20	18	19	15	20	14	69	134	173	150	70	
12	27	24	20	22	14	21	12	72	143	163	129	81	
13	25	25	28	22	15	20	11	61	148	148	99	91	
14	25	32	19	24	14	23	16	54	138	125	94	86	
15	34	38	14	25	15	25	16	104	140	110	80	76	
16	33	28	16	24	12	23	25	194	383	98	79	64	
17	22	28	17	20	12	24	32	128	402	97	75	65	
18	18	28	18	26	13	23	25	101	409	116	72	69	
19	20	28	16	25	15	23	19	137	372	102	79	61	
20	25	29	22	24	13	21	17	170	338	117	70	61	
21	26	28	11	21	14	18	19	137	349	114	73	59	
22	24	36	19	28	17	19	21	186	350	142	69	47	
23	13	32	13	27	13	19	27	219	352	178	64	49	
24	12	31	11	10	18	20	27	188	319	185	59	33	
25	12	30	8.4	10	17	20	29	180	274	185	52	29	
26	11	28	9.0	10	16	16	29	195	243	185	51	35	
27	12	21	12	10	12	15	25	242	207	164	56	33	
28	12	23	9.7	14	15	13	24	255	216	147	51	16	
29	11	21	12	9.3	---	15	23	247	224	125	48	17	
30	10	20	11	10	---	14	20	259	230	98	52	19	
31	11	---	11	16	---	13	---	254	---	92	46	---	
TOTAL	681	811	505.1	584.3	402	581	678	3720	7321	4483	2848	1481	
MEAN	22.0	27.0	16.3	18.8	14.4	18.7	22.6	120	244	145	91.9	49.4	
AC-FT	1350	1610	1000	1160	797	1150	1340	7380	14520	8890	5650	2940	
MAX	34	38	28	28	18	25	40	259	409	207	164	91	
MIN	10	10	8.4	9.3	11	12	11	17	134	92	46	16	
CAL YR 1990 TOTAL	25158.5		MEAN	68.9	MAX	454	MIN	3.7	AC-FT	49900			
WTR YR 1991 TOTAL	24095.4		MEAN	66.0	MAX	409	MIN	8.4	AC-FT	47790			
MAX DISCH	428 CFS		AT 0530	18-JUN-1991	GH	3.27 FT.		SHIFT	0.01 FT.		MAX GH	3.27 FT. AT 0530	
18-JUN-1991													

PLATTE RIVER BASIN

06726000 SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK, CO

LOCATION.--Lat 39°56'55", long 105°21'30", SW¼ sec.21, T.1 S., R.71 W., Boulder County. Diverts flow from South Boulder Creek and transmountain diversions from Moffat Tunnel.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry at 25' Parshall flume. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--Record is complete and reliable except for the following periods: Dec.24-27, 1990, when clock stopped and DCP had transmission difficulties. The stage-discharge relationship was affected by ice Dec.14-15, 19-20, 1990. Records developed by Fred H. Renner.

RATING TABLE.--BOCBGR002 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	104	35	5.6	2.8	77	90	95	155	413	517	136	113			
2	112	15	5.6	2.7	87	90	111	170	417	465	78	113			
3	112	15	5.6	2.8	87	90	120	169	309	443	50	52			
4	144	15	4.6	2.8	87	90	119	168	265	436	50	16			
5	164	15	4.1	2.8	87	93	155	168	286	420	50	16			
6	164	15	3.2	2.8	99	97	176	168	346	445	50	16			
7	168	18	2.8	2.6	106	97	175	125	384	456	50	16			
8	170	19	2.8	2.7	110	96	208	102	396	453	50	16			
9	170	19	2.8	2.6	112	96	207	102	398	453	97	16			
10	170	19	2.8	2.4	112	96	199	102	402	452	145	15			
11	247	19	2.8	2.4	112	96	162	102	403	423	158	18			
12	294	19	2.8	2.3	112	97	145	103	351	406	158	18			
13	294	19	2.8	2.4	112	98	144	183	324	405	158	18			
14	294	19	2.2	2.4	112	98	144	257	326	404	158	18			
15	258	19	2.0	2.4	112	98	144	306	327	387	148	18			
16	241	19	2.1	2.4	112	98	143	323	327	375	142	19			
17	241	19	2.1	2.4	112	98	119	340	327	374	141	19			
18	239	19	2.0	2.4	112	98	105	356	328	374	141	19			
19	239	16	2.0	3.8	112	98	104	367	378	374	141	21			
20	239	8.4	2.4	5.0	112	98	104	398	403	373	141	22			
21	239	5.0	2.4	5.1	112	98	104	378	478	372	141	22			
22	239	5.0	2.8	12	98	98	104	375	524	373	141	22			
23	201	5.0	2.8	18	90	98	120	387	525	371	122	34			
24	157	5.0	2.4	14	90	98	130	389	524	370	112	53			
25	146	5.0	2.4	5.0	90	97	130	391	498	369	112	73			
26	146	5.0	2.8	4.7	91	97	130	393	463	282	112	73			
27	146	5.0	3.0	4.6	91	98	130	396	451	234	112	84			
28	146	5.6	3.0	4.6	90	98	129	400	482	234	112	92			
29	113	5.6	3.0	5.6	---	97	129	403	530	169	112	92			
30	83	5.6	3.6	13	---	95	129	406	546	136	112	91			
31	76	---	3.2	49	---	95	---	408	---	136	113	---			
TOTAL	5756	413.2	94.5	190.5	2836	2981	4114	8490	12131	11481	3543	1215			
MEAN	186	13.8	3.05	6.15	101	96.2	137	274	404	370	114	40.5			
AC-FT	11420	820	187	378	5630	5910	8160	16840	24060	22770	7030	2410			
MAX	294	35	5.6	49	112	98	208	408	546	517	158	113			
MIN	76	5.0	2.0	2.3	77	90	95	102	265	136	50	15			
CAL YR 1990 TOTAL		50217.7	MEAN	138	MAX	573	MIN	2.0	AC-FT	99610					
WTR YR 1991 TOTAL		53245.2	MEAN	146	MAX	546	MIN	2.0	AC-FT	105600					
MAX DISCH		549	CFS	AT 1200	29-JUN-1991	GH	3.00	FT.	SHIFT	0.00	FT.	MAX GH	3.00	FT.	AT 1200

PLATTE RIVER BASIN

SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS, CO

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

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 12' Parshall flume. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--Record is complete and reliable except for Jan.31, 1991, due to recorder problem.
Periods of zero discharges indicates canal was off. Records developed by Fred H. Renner.

RATING TABLE.--BOSDELCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	28	0.0	0.0	67	80	82	120	106	350	76	95
2	101	0.0	0.0	0.0	80	80	83	135	106	318	32	95
3	99	0.0	0.0	0.0	79	80	82	138	42	300	0.0	48
4	129	0.0	0.0	0.0	77	80	82	139	0.0	300	0.0	0.0
5	150	0.0	0.0	0.0	77	80	104	139	0.0	300	0.0	0.0
6	150	0.0	0.0	0.0	89	80	126	139	48	331	0.0	0.0
7	150	0.0	0.0	0.0	97	80	126	97	89	349	0.0	0.0
8	150	0.0	0.0	0.0	97	80	154	73	100	347	0.0	0.0
9	150	0.0	0.0	0.0	97	80	176	73	100	349	28	0.0
10	150	0.0	0.0	0.0	97	80	176	73	100	349	81	0.0
11	221	0.0	0.0	0.0	97	80	146	73	100	325	110	0.0
12	277	0.0	0.0	0.0	97	80	126	73	100	304	110	0.0
13	277	0.0	0.0	0.0	97	80	126	113	100	302	110	0.0
14	277	0.0	0.0	0.0	97	80	124	150	100	304	110	0.0
15	246	0.0	0.0	0.0	101	81	124	180	100	302	110	0.0
16	225	0.0	0.0	0.0	103	82	124	200	100	302	110	0.0
17	225	0.0	0.0	0.0	103	82	104	200	99	302	110	0.0
18	225	0.0	0.0	0.0	103	82	89	199	99	310	109	0.0
19	216	0.0	0.0	0.0	102	82	86	200	141	312	109	0.0
20	211	0.0	0.0	0.0	102	82	84	200	175	312	109	0.0
21	211	0.0	0.0	0.0	102	78	84	139	240	312	109	0.0
22	212	0.0	0.0	0.0	89	77	84	100	290	310	109	0.0
23	175	0.0	0.0	0.0	80	77	93	100	289	307	101	0.0
24	135	0.0	0.0	0.0	80	77	100	100	289	301	95	26
25	126	0.0	0.0	0.0	80	80	99	100	265	251	95	51
26	126	0.0	0.0	0.0	80	82	99	99	250	158	95	53
27	126	0.0	0.0	0.0	80	82	99	99	250	75	95	66
28	126	0.0	0.0	0.0	80	82	99	96	280	75	95	76
29	104	0.0	0.0	0.0	---	82	99	94	330	76	95	76
30	74	0.0	0.0	0.0	---	82	99	93	350	76	95	76
31	60	---	0.0	24	---	82	---	106	---	75	95	---
TOTAL	5195	28	0.0	24	2530	2492	3279	3840	4638	8384	2393	662
MEAN	168	0.93	0.0	0.77	90.4	80.4	109	124	155	270	77.2	22.1
AC-FT	10300	56	0.0	48	5020	4940	6500	7620	9200	16630	4750	1310
MAX	277	28	0.0	24	103	82	176	200	350	350	110	95
MIN	60	0.0	0.0	0.0	67	77	82	73	0.0	75	0.0	0.0
CAL YR 1990 TOTAL		30932.6	MEAN	84.7	MAX	302	MIN	0.00	AC-FT	61350		
WTR YR 1991 TOTAL		33465	MEAN	91.7	MAX	350	MIN	0.00	AC-FT	66380		

NO PEAK DATA AVAILABLE

PLATTE RIVER BASIN

06729500 SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, CO

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

DRAINAGE AREA.--109 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,080 ft, from topographic map. See WSP 1710 or 1730 for history of changes prior to May 10, 1940.

REMARKS.--Record is complete and reliable except for the following periods: No record Dec. 5-6, 1990, when float frozen in ice; Dec.7-31, 1990, Jan.1-31, Feb.1-12, 1991, when station was closed. Record was ice affected Nov.7, 27-29, Dec. 1-4, 1990, and Feb. 19, 24-26 1991. Water is imported upstream from Gross Reservoir from Colorado River basin through Moffat Tunnel. Flow regulated since May 1, 1955, by Gross Reservoir, capacity, 43,060 acre-ft, 6.7 mi upstream from station. City of Denver diverts water 1.8 mi upstream from station. Station maintained and records developed by Fred Renner.

RATING TABLE.--BOCELSCO21 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	20	4.7	3.0	11	9.1	11	35	335	166	70	25
2	14	17	5.0	3.0	8.0	9.1	23	37	355	145	64	24
3	14	16	5.0	3.0	9.0	8.3	36	35	308	139	59	21
4	15	16	4.5	3.0	11	8.1	36	35	284	132	58	20
5	17	16	3.8	3.0	11	12	42	34	300	116	56	23
6	17	17	3.0	3.0	11	15	49	35	307	106	57	20
7	18	18	2.5	2.8	10	16	48	35	308	98	56	20
8	21	22	2.5	2.8	14	15	48	35	311	95	56	19
9	20	22	2.5	2.8	16	15	35	35	312	96	68	19
10	20	22	2.5	2.5	16	15	25	35	313	95	67	17
11	20	22	2.5	2.5	16	15	22	35	311	93	54	20
12	18	22	2.5	2.5	16	15	24	36	271	95	53	22
13	16	22	2.5	2.5	16	16	23	57	235	97	53	21
14	16	22	2.5	2.5	15	16	22	99	236	97	53	20
15	17	22	2.2	2.5	12	15	22	121	236	82	45	20
16	17	22	2.0	2.5	9.6	14	22	140	236	70	38	20
17	17	22	2.0	2.5	9.4	13	20	160	234	70	38	20
18	16	22	2.0	2.5	9.3	13	19	168	234	63	37	20
19	22	19	2.5	4.0	10	13	22	172	235	61	37	21
20	28	12	2.5	5.0	10	13	24	203	233	61	37	22
21	27	5.2	2.2	5.5	9.6	17	24	255	235	60	36	22
22	27	6.6	2.0	12	9.4	19	24	288	239	85	36	22
23	29	5.1	2.0	18	8.9	19	26	301	239	80	30	24
24	28	4.8	2.0	14	8.8	19	31	310	238	78	24	23
25	27	4.7	2.0	5.5	8.2	16	32	309	235	125	24	23
26	26	4.8	2.5	5.0	8.2	13	32	310	215	163	24	21
27	26	4.8	3.0	5.0	9.6	13	32	306	197	169	24	19
28	26	4.8	3.0	5.0	9.0	13	32	316	194	167	24	18
29	17	4.7	3.0	6.0	---	13	32	318	191	114	24	18
30	14	4.7	3.6	14	---	12	33	321	189	68	25	20
31	21	---	3.2	21	---	12	---	323	---	69	25	---
TOTAL	625	443.2	87.7	168.9	312.0	431.6	871	4899	7766	3155	1352	624
MEAN	20.2	14.8	2.83	5.45	11.1	13.9	29.0	158	259	102	43.6	20.8
AC-FT	1240	879	174	335	619	856	1730	9720	15400	6260	2680	1240
MAX	29	22	5.0	21	16	19	49	323	355	169	70	25
MIN	14	4.7	2.0	2.5	8.0	8.1	11	34	189	60	24	17

CAL YR 1990 TOTAL 20968.9 MEAN 57.4 MAX 345 MIN 2.0 AC-FT 41590
WTR YR 1991 TOTAL 20735.4 MEAN 56.8 MAX 355 MIN 2.0 AC-FT 41130

MAX DISCH 368 CFS AT 2030 01-JUN-1991 GH 3.06 FT. SHIFT -0.06 FT. MAX GH 3.06 FT. AT 2030
01-JUN-1991

PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--976 mi².

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

REMARKS.--Record is complete and reliable except for Jan. 20-22, 1991 when float was hung up on the oil cylinder. DCP was the primary source of record. Stage discharge relation affected by ice on Dec. 20-31, 1990; Jan. 1-15, 1991. Station maintained and records developed by George Sievers.

RATING TABLE.--SVCPLACO23 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	134	139	110	157	120	83	101	311	185	212	215
2	166	136	136	110	157	115	83	86	1490	175	214	228
3	164	169	134	110	155	112	85	73	1320	168	401	237
4	170	172	136	110	144	110	86	84	913	181	567	240
5	183	170	138	110	138	121	82	132	874	192	467	235
6	174	187	137	110	140	132	81	112	890	179	408	237
7	163	187	139	110	139	118	76	104	1010	185	438	281
8	190	175	136	110	141	114	70	101	1000	197	393	311
9	215	182	135	110	137	106	78	90	901	215	358	266
10	203	180	133	110	141	104	81	79	902	310	355	271
11	202	179	134	110	139	102	84	82	893	323	348	275
12	195	170	131	110	143	108	109	81	892	336	307	267
13	199	164	133	110	142	113	105	71	929	303	288	261
14	187	163	138	110	136	116	91	65	935	273	279	253
15	186	161	127	110	137	107	87	61	942	249	263	241
16	188	158	128	133	137	106	89	174	978	225	261	229
17	175	153	130	124	135	107	84	232	989	191	274	218
18	167	155	129	117	134	106	85	147	820	185	256	215
19	167	154	126	120	131	110	83	105	655	204	246	213
20	170	152	75	118	132	109	83	99	527	247	234	202
21	176	151	110	124	130	109	83	124	388	247	230	186
22	171	149	110	132	130	107	86	98	472	304	218	165
23	159	146	110	144	131	107	92	150	465	533	211	161
24	147	144	110	131	124	106	75	162	365	523	220	164
25	143	144	110	143	118	103	69	138	249	460	218	164
26	144	146	110	121	120	91	70	152	172	403	209	157
27	138	149	110	150	118	99	64	147	159	442	199	150
28	146	142	110	147	119	93	67	156	168	388	183	148
29	134	139	110	96	---	85	65	150	167	331	202	143
30	135	141	110	129	---	84	68	139	177	273	210	173
31	133	---	110	153	---	84	---	149	---	227	212	---
TOTAL	5263	4752	3824	3732	3805	3304	2444	3644	20953	8654	8881	6506
MEAN	170	158	123	120	136	107	81.5	118	698	279	286	217
AC-FT	10440	9430	7580	7400	7550	6550	4850	7230	41560	17170	17620	12900
MAX	215	187	139	153	157	132	109	232	1490	533	567	311
MIN	133	134	75	96	118	84	64	61	159	168	183	143

CAL YR 1990 TOTAL 80275 MEAN 220 MAX 896 MIN 75 AC-FT 159200
WTR YR 1991 TOTAL 75762 MEAN 208 MAX 1490 MIN 61 AC-FT 150300

MAX DISCH 1766 CFS AT 1415 02-JUN-1991 GH 5.41 FT. SHIFT -0.03 FT. MAX GH 5.41 FT. AT 1415
02-JUN-1991

PLATTE RIVER BASIN

06733000 BIG THOMPSON RIVER AT ESTES PARK, CO

LOCATION.--Lat 40°22'42", long 105°30'48", in NW¼NW¼ sec.30, T.S N., R.72 W., Larimer County, Hydrologic Unit 10190006, on right bank in Estes Park, 600 ft downstream from bridge on State Highways 7 and 66, 900 ft downstream from Black Canyon Creek, and 0.3 mi northwest of Estes powerplant, Station is upstream from Lake Estes.

DRAINAGE AREA.--137 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Dec. 19-31, 1990; Jan. 1-31; Feb. 1-26, 1991 when flume was frozen. Discharge ice affected on Feb. 27, 28; Mar. 1-9, 21, 23, 1991. Records fair during this period. Station maintained and records developed by Jim Clark and Fred Renner.

RATING TABLE.--BTABESCO09 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	34	18	10	10	11	13	20	668	307	134	79
2	52	35	16	10	10	11	14	22	905	277	147	82
3	50	30	9.6	10	10	10	15	21	584	269	160	76
4	45	36	15	10	10	11	14	23	508	259	210	73
5	41	35	16	10	11	10	16	24	593	243	173	70
6	40	33	15	10	11	9.5	18	22	649	235	154	70
7	52	34	14	10	11	9.8	20	24	692	225	161	68
8	60	32	14	10	11	10	21	29	624	227	148	76
9	54	33	15	10	12	11	18	49	640	263	139	83
10	55	33	15	10	12	11	17	84	610	247	131	80
11	54	33	15	10	12	9.5	17	129	574	226	122	75
12	45	34	15	10	12	8.8	15	150	630	211	125	75
13	43	32	15	10	13	9.2	18	116	598	200	174	72
14	42	30	14	10	13	9.2	16	130	585	183	173	69
15	40	29	9.3	10	13	8.6	17	144	650	176	150	69
16	41	28	14	10	13	9.2	20	143	584	173	142	67
17	41	27	14	10	14	9.5	22	122	490	173	135	63
18	38	27	12	10	14	10	23	144	455	176	124	61
19	46	26	11	10	14	11	20	277	440	183	122	56
20	47	26	10	10	14	11	20	355	426	169	132	54
21	39	21	10	10	15	11	20	328	440	218	119	49
22	40	25	10	10	15	12	20	370	460	202	107	46
23	40	23	10	10	14	12	20	450	412	244	101	44
24	37	23	10	10	14	13	20	334	377	260	95	41
25	36	22	10	10	13	11	21	267	350	285	89	41
26	35	21	10	10	13	11	23	359	332	246	87	41
27	35	18	10	10	12	11	21	400	295	208	92	39
28	34	15	10	10	11	12	20	434	312	181	97	38
29	35	16	10	10	---	10	20	388	337	162	95	37
30	36	20	10	10	---	12	21	367	349	146	86	41
31	35	---	10	10	---	12	---	308	---	137	80	---
TOTAL	1342	831	386.9	310	347	327.3	560	6033	15569	6711	4004	1835
MEAN	43.3	27.7	12.5	10.0	12.4	10.6	18.7	195	519	216	129	61.2
AC-FT	2660	1650	767	615	688	649	1110	11970	30880	13310	7940	3640
MAX	60	36	18	10	15	13	23	450	905	307	210	83
MIN	34	15	9.3	10	10	8.6	13	20	295	137	80	37

CAL YR 1990 TOTAL 42516.9 MEAN 116 MAX 934 MIN 9.3 AC-FT 84330
WTR YR 1991 TOTAL 38256.2 MEAN 105 MAX 905 MIN 8.6 AC-FT 75880

MAX DISCH 1300 CFS AT 0100 02-JUN-1991 GH 6.30 FT. SHIFT -0.02 FT. MAX GH 6.30 FT. AT 0100
02-JUN-1991

PLATTE RIVER BASIN
FISH CREEK NEAR ESTES PARK, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for Oct.1-2; Nov.7-30; Dec.1-31, 1990; Jan.1 thru May 10, 1991, when station was closed and June 1-31, 1991, when pen was left off chart. Record is fair. Station maintained and records developed by Jim Clark and Fred H. Renner.

RATING TABLE.--FISHESCO06 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	1.3	0.88	0.42	0.29	0.20	0.25	0.60	1.2	10	2.5	2.2	0.88			
2	1.3	0.88	0.42	0.28	0.19	0.25	0.62	1.1	22	2.5	2.4	0.88			
3	1.3	0.88	0.41	0.28	0.19	0.25	0.65	1.1	20	2.4	3.1	0.88			
4	1.2	0.98	0.41	0.28	0.19	0.25	0.67	1.1	19	2.1	3.1	0.88			
5	1.2	1.2	0.40	0.27	0.19	0.26	0.70	1.1	18	1.8	2.4	0.78			
6	1.2	0.98	0.40	0.27	0.19	0.26	0.73	1.1	18	1.7	2.4	0.69			
7	1.4	0.92	0.39	0.27	0.19	0.26	0.75	1.1	18	1.6	2.2	0.60			
8	1.9	0.86	0.39	0.26	0.20	0.27	0.78	1.1	16	1.6	1.9	0.66			
9	1.7	0.80	0.38	0.26	0.20	0.27	0.81	1.1	14	1.9	1.9	1.3			
10	1.9	0.74	0.38	0.26	0.20	0.27	0.85	1.1	14	1.6	1.8	0.88			
11	1.7	0.68	0.37	0.25	0.20	0.27	0.89	1.1	13	1.3	1.8	0.98			
12	1.5	0.62	0.37	0.25	0.21	0.28	0.92	1.1	13	1.4	1.8	1.1			
13	1.3	0.57	0.36	0.25	0.21	0.29	0.96	1.1	12	1.4	2.5	1.1			
14	1.2	0.56	0.36	0.24	0.21	0.30	1.0	1.1	11	1.3	1.9	0.98			
15	1.2	0.55	0.35	0.24	0.21	0.31	1.0	1.5	10	1.2	1.8	0.98			
16	1.2	0.54	0.35	0.24	0.22	0.32	1.1	4.0	9.8	1.2	1.8	0.88			
17	1.2	0.53	0.34	0.23	0.22	0.33	1.2	3.3	9.1	1.3	2.2	0.88			
18	1.1	0.52	0.34	0.23	0.22	0.34	1.2	3.6	8.0	1.2	1.7	0.88			
19	1.2	0.51	0.34	0.23	0.22	0.36	1.2	4.1	7.3	1.2	2.1	0.88			
20	1.2	0.50	0.33	0.23	0.22	0.38	1.2	4.5	6.9	1.3	1.7	0.88			
21	1.2	0.49	0.33	0.22	0.23	0.39	1.2	4.5	6.4	1.9	1.7	0.98			
22	1.2	0.48	0.32	0.22	0.23	0.41	1.2	5.4	5.8	2.1	1.4	0.98			
23	1.2	0.47	0.32	0.22	0.23	0.43	1.2	6.7	4.7	3.3	1.2	1.3			
24	1.2	0.46	0.31	0.22	0.23	0.45	1.2	6.2	4.1	2.8	1.2	1.7			
25	1.2	0.45	0.31	0.21	0.24	0.46	1.2	5.8	3.8	4.9	1.2	2.2			
26	1.2	0.44	0.31	0.21	0.24	0.48	1.2	5.8	3.4	3.4	1.1	2.4			
27	1.2	0.44	0.30	0.21	0.24	0.50	1.2	5.2	3.1	2.8	0.99	2.1			
28	1.1	0.43	0.30	0.21	0.24	0.52	1.2	4.6	3.0	2.5	0.98	2.1			
29	0.98	0.43	0.30	0.20	---	0.54	1.2	4.7	3.0	2.2	0.98	2.2			
30	0.88	0.42	0.29	0.20	---	0.56	1.2	4.5	3.0	1.9	0.88	2.1			
31	0.88	---	0.29	0.20	---	0.58	---	4.7	---	1.9	0.88	---			
TOTAL	39.44	19.21	10.89	7.43	5.96	11.09	29.83	94.6	309.4	62.2	55.21	36.03			
MEAN	1.27	0.64	0.35	0.24	0.21	0.36	0.99	3.05	10.3	2.01	1.78	1.20			
AC-FT	78	38	22	15	12	22	59	188	614	123	110	71			
MAX	1.9	1.2	0.42	0.29	0.24	0.58	1.2	6.7	22	4.9	3.1	2.4			
MIN	0.88	0.42	0.29	0.20	0.19	0.25	0.60	1.1	3.0	1.2	0.88	0.60			
CAL YR 1990 TOTAL		1029.49	MEAN	2.82	MAX	18	MIN	0.29	AC-FT	2040					
WTR YR 1991 TOTAL		681.29	MEAN	1.87	MAX	22	MIN	0.19	AC-FT	1350					
MAX DISCH		23 CFS	AT 1500	02-JUN-1991	GH	1.07	FT.	SHIFT	0.03	FT.	MAX	GH	1.07	FT.	AT 1500
02-JUN-1991															

PLATTE RIVER BASIN

06735500 BIG THOMPSON RIVER NEAR ESTES PARK, CO

LOCATION.--Lat 40°22'35", long 105°29'06", in NE¼NE¼ sec.29, T.S N., R.72 W., Larimer County, Hydrologic Unit 10190006, on right bank 100 ft upstream from Dry Gulch, 600 ft downstream from Olympus Dam, and 2.0 mi east of Estes Park.

DRAINAGE AREA.--155 mi². Area at site used Jan. 29, 1934, to Mar. 21, 1951, 162 mi².

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

REMARKS.-- Record is complete and reliable except for Dec. 21-26, 1990, when well was frozen. Low flow regulated by Lake Estes since Nov. 30, 1948. Diversion from Colorado River basin to Big Thompson River basin upstream from station through Alva B. Adams tunnel began Aug. 10, 1947; since Apr. 15, 1953, this imported water has been diverted from Lake Estes through Olympus tunnel bypassing this station. Since May 17, 1955, part of the natural flow of Big Thompson River has also been diverted through Olympus tunnel and returned to the river downstream from the station at mouth of canyon, near Drake. Station maintained and records developed by Jim Clark and Fred Renner.

RATING TABLE.--BTBLES009 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	23	13	14	9.8	9.3	11	32	146	127	128	76
2	52	30	12	14	9.8	9.4	10	49	550	127	128	78
3	53	32	13	14	9.8	8.4	10	27	257	126	128	77
4	45	22	12	14	9.8	9.3	10	38	122	127	129	78
5	44	20	12	14	9.8	9.2	10	44	123	126	128	77
6	48	32	12	14	9.8	9.1	10	34	122	127	128	77
7	46	41	12	14	9.7	8.9	11	14	135	127	129	77
8	59	27	12	14	9.9	9.1	11	53	202	126	130	76
9	59	30	12	14	9.8	8.6	27	35	123	125	129	78
10	52	23	12	12	9.9	8.6	26	62	136	125	129	78
11	53	22	12	9.5	10	8.7	28	91	122	125	129	78
12	53	23	17	9.5	10	8.7	24	100	123	126	125	78
13	48	22	17	9.4	10	8.3	26	100	126	126	129	77
14	44	24	17	9.3	9.8	8.5	18	100	121	126	129	77
15	48	23	16	9.3	9.2	9.3	27	100	123	126	129	67
16	46	23	16	9.2	9.2	9.4	27	125	136	126	105	54
17	52	20	18	9.1	9.1	9.7	33	126	122	127	105	52
18	42	23	17	8.9	9.1	9.7	35	127	123	126	104	52
19	29	22	19	9.2	9.1	9.4	39	127	124	127	103	51
20	52	23	18	10	9.3	10	30	127	124	126	102	44
21	53	23	18	10	9.2	10	34	127	125	126	101	51
22	36	9.1	17	10	9.3	10	28	127	128	125	100	51
23	42	7.1	17	10	9.3	9.8	36	125	127	127	101	52
24	45	21	17	11	9.4	9.8	16	127	127	126	99	51
25	39	20	16	10	9.5	9.8	30	127	127	125	99	53
26	28	20	16	10	9.6	9.9	46	129	127	125	101	42
27	48	9.3	18	10	9.8	10	23	130	128	126	98	52
28	38	11	19	9.8	10	10	49	128	127	125	97	45
29	33	12	19	9.8	---	11	22	128	123	125	98	41
30	35	12	19	9.8	---	11	19	126	127	125	86	44
31	30	---	19	9.8	---	11	---	126	---	126	79	---
TOTAL	1404	649.5	484	341.6	269.0	293.9	726	2911	4426	3905	3505	1884
MEAN	45.3	21.6	15.6	11.0	9.61	9.48	24.2	93.9	148	126	113	62.8
AC-FT	2780	1290	960	678	534	583	1440	5770	8780	7750	6950	3740
MAX	59	41	19	14	10	11	49	130	550	127	130	78
MIN	28	7.1	12	8.9	9.1	8.3	10	14	121	125	79	41
CAL YR 1990 TOTAL		23640.5	MEAN	64.8	MAX	376	MIN	7.1	AC-FT	46890		
WTR YR 1991 TOTAL		20799.0	MEAN	57.0	MAX	550	MIN	7.1	AC-FT	41250		
MAX DISCH		634 CFS	AT 0030	02-JUN-1991	GH	4.45 FT.	SHIFT	0.02 FT.	MAX GH	4.45 FT.	AT 0030	
02-JUN-1991												

PLATTE RIVER BASIN

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

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

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

REMARKS.--Record is complete, reliable and good. Station maintained and records developed by Jim Clark and Fred Renner.

RATING TABLE.--OLYTUNCO05 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	102	303	402	447	442	108	285	468	388	150	312
2	106	153	306	414	446	443	325	287	533	382	150	312
3	74	202	443	452	447	446	389	285	386	381	152	281
4	266	103	503	452	447	443	391	286	473	385	169	254
5	378	193	505	453	447	444	390	285	538	371	203	245
6	378	1.4	503	454	447	440	387	286	541	357	202	247
7	381	1.1	502	451	448	435	391	288	563	433	225	240
8	380	0.30	501	456	448	437	389	285	537	488	142	249
9	378	54	500	453	447	439	389	287	538	422	154	252
10	381	0.40	502	454	447	444	388	288	540	383	179	206
11	383	0.40	502	455	447	445	389	288	535	385	181	204
12	381	0.45	502	455	449	444	389	301	491	389	178	188
13	383	67	502	451	446	443	389	383	538	391	163	171
14	382	0.50	501	454	446	443	390	287	537	395	209	155
15	385	0.50	502	453	444	443	389	324	546	434	220	152
16	385	2.0	503	454	445	412	388	325	537	370	219	120
17	175	3.7	504	451	444	196	389	376	485	315	186	108
18	179	4.5	505	456	446	0.46	388	320	397	304	123	109
19	179	3.6	503	454	446	0.30	386	364	517	298	105	362
20	221	45	501	459	446	0.25	386	406	533	301	135	432
21	220	101	469	458	446	0.25	387	340	392	301	227	432
22	219	6.7	451	452	449	0.24	338	294	393	364	320	433
23	214	201	450	442	447	0.20	286	419	391	336	309	435
24	202	3.3	452	430	446	0.15	287	324	339	204	320	461
25	198	6.0	450	429	447	0.15	286	349	291	303	309	525
26	198	128	456	423	448	0.15	289	290	291	302	312	541
27	200	302	453	408	446	0.11	288	327	351	202	310	533
28	199	303	451	455	443	0.10	283	387	391	166	312	532
29	292	302	447	455	---	9.1	283	386	391	147	312	532
30	290	302	440	447	---	0.50	284	389	398	152	313	532
31	100	---	399	446	---	0.48	---	382	---	152	310	---
TOTAL	8216	2592.85	14511	13828	12502	7251.44	10441	10123	13861	10201	6799	9555
MEAN	265	86.4	468	446	447	234	348	327	462	329	219	319
AC-FT	16300	5140	28780	27430	24800	14380	20710	20080	27490	20230	13490	18950
MAX	385	303	505	459	449	446	391	419	563	488	320	541
MIN	74	0.30	303	402	443	0.10	108	285	291	147	105	108

CAL YR 1990 TOTAL 108500.97 MEAN 297 MAX 579 MIN 0.30 AC-FT 215200
WTR YR 1991 TOTAL 119881.29 MEAN 328 MAX 563 MIN 0.10 AC-FT 237800

MAX DISCH 570 CFS AT 0600 07-JUN-1991 GH 8.05 FT. SHIFT -0.17 FT. MAX GH 8.05 FT. AT 0600
07-JUN-1991

PLATTE RIVER BASIN

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO

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

DRAINAGE AREA.--85.1 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Oct. 7-10, 20-25, 27-31 1990; Nov. 1-9, 1990 when clock stopped; Dec. 3-31, 1990; Jan 1-31; Feb. 1-28; Mar. 1-19, 1991, when station was closed. Record was ice affected on Nov. 12-13, 21-24, 27-30, 1990 and Dec. 1-2, 1990. Record is good, except for periods of no gage-height record and ice affect, which is fair. Station maintained and records developed by Fred H. Renner.

RATING TABLE.--BTNFDRC010 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	16	12	4.5	4.7	6.0	7.7	6.5	128	68	55	50
2	22	17	12	4.5	4.7	6.5	8.2	7.7	200	61	59	51
3	21	14	11	4.5	4.7	7.0	8.2	7.3	204	64	75	49
4	20	13	11	4.5	4.7	7.5	7.7	8.2	172	59	95	47
5	20	12	11	4.5	4.7	8.0	8.8	8.8	151	59	77	47
6	20	12	10	4.7	4.7	7.0	9.4	9.4	144	57	70	47
7	21	14	10	4.7	4.7	6.0	8.8	9.4	190	51	68	45
8	21	17	9.0	4.7	5.0	5.0	8.8	10	179	51	68	45
9	22	18	9.0	4.7	5.0	4.5	6.5	12	168	55	66	43
10	23	17	8.0	4.7	5.0	5.0	7.7	17	165	55	64	43
11	25	16	8.0	4.7	5.0	5.5	7.7	19	158	50	61	41
12	21	16	7.0	4.7	5.0	5.0	6.5	25	148	51	66	40
13	21	15	7.0	4.7	5.0	5.0	6.5	19	144	38	80	40
14	21	14	7.0	4.7	5.0	5.0	6.2	20	134	31	75	36
15	21	14	6.0	4.5	5.0	5.0	7.1	23	128	25	70	35
16	20	14	6.0	4.5	5.0	5.0	8.8	30	117	23	68	34
17	19	13	5.0	4.5	5.0	5.2	9.4	27	111	31	64	31
18	19	13	5.0	4.5	4.7	5.5	10	25	103	33	66	31
19	21	13	5.0	4.5	4.5	6.0	8.8	40	103	49	66	30
20	21	13	5.0	4.0	4.7	7.1	8.8	61	98	61	70	28
21	20	10	4.5	4.0	5.0	5.8	8.8	55	98	77	68	26
22	20	9.0	4.0	3.5	5.0	6.5	8.2	61	98	59	61	25
23	20	14	3.5	3.5	5.0	5.8	8.2	98	92	77	59	23
24	19	14	3.0	3.5	4.8	6.5	8.2	75	87	75	57	23
25	19	13	3.0	3.5	4.5	6.2	8.8	66	81	85	53	22
26	19	13	3.2	3.8	4.8	6.5	8.4	73	73	82	53	22
27	18	11	3.5	4.0	5.0	7.1	7.1	77	70	73	57	21
28	18	10	3.5	3.8	5.5	5.8	6.2	75	68	66	61	21
29	17	10	4.0	3.5	---	6.2	7.7	70	66	61	57	20
30	17	12	4.0	4.0	---	5.8	7.1	70	75	57	53	23
31	17	---	4.0	4.5	---	6.2	---	66	---	55	49	---
TOTAL	625	407.0	204.2	132.9	136.4	185.2	240.3	1171.3	3753	1739	2011	1039
MEAN	20.2	13.6	6.59	4.29	4.87	5.97	8.01	37.8	125	56.1	64.9	34.6
AC-FT	1240	807	405	264	271	367	477	2320	7440	3450	3990	2060
MAX	25	18	12	4.7	5.5	8.0	10	98	204	85	95	51
MIN	17	9.0	3.0	3.5	4.5	4.5	6.2	6.5	66	23	49	20
CAL YR 1990 TOTAL		12354.7	MEAN	33.8	MAX	179	MIN	3.0	AC-FT	24510		
WTR YR 1991 TOTAL		11644.3	MEAN	31.9	MAX	204	MIN	3.0	AC-FT	23100		
MAX DISCH		215 CFS	AT 0030	03-JUN-1991	GH	4.77 FT.	SHIFT	-0.05 FT.	MAX GH	4.77 FT.	AT 0030	
03-JUN-1991												

PLATTE RIVER BASIN

DILLE TUNNEL (EAST PORTAL) NEAR DRAKE, CO

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

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

REMARKS.--Station maintained by U.S. Bureau of Reclamation. Periods of zero flow indicate diversion was off. Record is good. Records developed by Fred H. Renner.

RATING TABLE.--DILTUNCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66	59	103	42
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67	49	103	41
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	45	103	55
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	44	125	56
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	37	124	54
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	34	111	54
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	34	108	54
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	204	26	108	54
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98	24	108	49
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	24	108	42
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	20	24	108	40
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	5.0	24	108	40
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	5.0	24	108	50
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	4.7	24	127	53
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	5.0	24	119	46
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76	5.0	24	96	41
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	5.0	24	82	39
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	6.6	24	60	39
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	35	24	66	39
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111	46	24	60	10
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115	70	72	57	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115	51	69	57	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117	43	64	57	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	83	91	57	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	98	102	57	23
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	98	102	57	22
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	98	102	57	20
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	83	103	59	20
29	0.0	0.0	0.0	0.0	---	0.0	0.0	76	68	103	66	15
30	0.0	0.0	0.0	0.0	---	0.0	0.0	83	64	103	58	21
31	0.0	---	0.0	0.0	---	0.0	---	71	---	103	53	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1816	1586.9	1630	2670	1019
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	52.9	52.6	86.1	34.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3600	3150	3230	5300	2020
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	204	103	127	56
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	24	53	0.0

CAL YR 1990 TOTAL 9275.1 MEAN 25.4 MAX 154 MIN 0.00 AC-FT 18400
WTR YR 1991 TOTAL 8721.9 MEAN 23.9 MAX 204 MIN 0.00 AC-FT 17300

NO PEAK DATA AVAILABLE

PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--305 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Dec. 19-31, 1990; Jan. 1-31, Feb. 1-28, Mar. 1-5, 1991 when station was closed for winter. Stage-discharge relation affected by ice Dec. 16-18, 1990. Record fair during this period and periods of no gage-height. Diversions from Colorado River basin to Big Thompson River basin upstream from station through Alva 8. Adams Tunnel began Aug. 10, 1947 since Apr. 15, 1953, this imported water has been diverted from Lake Estes through Olympus Tunnel bypassing this station. Part of the natural flow of the Big Thompson River has also been diverted through Olympus Tunnel since May 17, 1955, and Dille Tunnel since Apr. 20, 1959, and returned to the river just downstream from this station. Station maintained and records developed by James Clark and Fred Renner.

RATING TABLE.--BTCANYCO14 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	47	32	20	17	18	23	38	233	135	76	87
2	72	44	22	20	17	18	22	49	765	138	80	92
3	70	47	17	20	17	18	22	50	569	140	103	77
4	64	46	21	20	16	19	21	49	371	136	97	72
5	61	46	40	20	17	19	22	57	313	134	81	71
6	62	49	35	20	17	20	22	55	314	136	82	72
7	68	38	27	20	17	18	22	44	197	132	82	71
8	77	46	25	20	18	14	20	45	146	134	79	69
9	79	45	31	20	18	17	29	56	224	142	78	72
10	77	47	32	19	18	24	34	61	267	136	77	77
11	75	42	37	17	18	23	35	68	285	126	74	77
12	74	40	33	17	18	21	35	62	288	138	72	75
13	71	40	40	16	18	18	35	56	288	129	81	66
14	67	34	30	16	18	20	35	55	275	124	67	61
15	67	33	22	16	17	19	36	61	273	122	64	59
16	68	40	22	16	17	18	35	77	266	120	67	54
17	70	39	23	16	17	21	38	64	240	129	71	50
18	66	39	23	16	17	21	42	56	223	138	84	49
19	58	40	23	17	16	27	44	60	193	148	92	48
20	63	43	21	17	16	24	44	62	175	156	94	69
21	70	36	18	17	17	22	41	60	156	138	102	78
22	66	23	16	17	17	23	42	74	190	117	98	83
23	61	27	18	17	17	19	37	100	191	141	98	85
24	63	31	19	17	17	24	42	115	140	108	96	85
25	65	39	19	17	17	22	31	80	117	108	93	67
26	67	37	22	17	17	22	45	68	109	106	95	55
27	64	31	22	17	18	24	45	71	106	95	97	57
28	65	22	22	17	18	21	45	83	119	88	104	56
29	56	14	23	17	---	23	46	98	136	84	91	54
30	53	29	23	17	---	20	36	93	136	80	90	54
31	52	---	23	17	---	23	---	102	---	74	84	---
TOTAL	2063	1134	781	550	482	640	1026	2069	7305	3832	2649	2042
MEAN	66.5	37.8	25.2	17.7	17.2	20.6	34.2	66.7	244	124	85.5	68.1
AC-FT	4090	2250	1550	1090	956	1270	2040	4100	14490	7600	5250	4050
MAX	79	49	40	20	18	27	46	115	765	156	104	92
MIN	52	14	16	16	16	14	20	38	106	74	64	48

CAL YR 1990 TOTAL 28901 MEAN 79.2 MAX 549 MIN 14 AC-FT 57330
WTR YR 1991 TOTAL 24573 MEAN 67.3 MAX 765 MIN 14 AC-FT 48740

MAX DISCH 842 CFS AT 0430 02-JUN-1991 GH 3.85 FT. SHIFT 0.06 FT. MAX GH 3.85 FT. AT 0430
02-JUN-1991

PLATTE RIVER BASIN

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

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

GAGE.--Graphic water-stage recorder. Station maintained by Northern Colo. Water Conservancy District.

REMARKS.--Record is complete and reliable except for the following period; Feb.21-22, 1991, due to recorder problem. Periods of zero discharge indicates canal was off. Records developed by Fred H. Renner.

RATING TABLE.--HFCBBS011 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	101	335	459	458	159	35	225	194	69	61	60
2	0.0	80	332	457	459	163	41	201	300	61	64	61
3	0.0	80	262	448	458	163	96	196	109	60	68	78
4	0.0	108	195	218	452	164	218	198	52	62	66	70
5	0.0	206	146	144	285	165	162	197	60	68	68	65
6	0.0	184	100	135	182	157	149	198	47	63	71	68
7	0.0	86	100	136	149	170	149	211	282	68	65	76
8	0.0	46	100	136	147	210	198	217	370	68	60	77
9	0.0	46	100	136	147	201	233	242	258	68	59	67
10	0.0	46	101	136	147	164	238	168	205	77	76	77
11	0.0	46	139	135	148	167	285	129	169	80	86	81
12	0.0	46	166	136	146	167	412	100	116	71	68	68
13	0.0	46	160	135	146	166	402	76	141	65	64	68
14	0.0	46	156	116	146	165	411	132	102	60	68	68
15	0.0	46	156	116	146	173	320	172	73	64	68	68
16	0.0	47	156	124	146	150	215	182	84	62	73	64
17	0.0	47	156	126	146	82	164	175	57	66	74	60
18	26	47	156	116	145	45	160	246	54	70	70	57
19	52	49	156	112	145	39	178	325	57	66	63	49
20	155	60	156	112	146	39	199	246	61	63	58	11
21	215	64	319	113	146	41	256	137	68	76	63	0.0
22	214	54	457	113	146	41	300	114	63	70	62	0.0
23	211	54	460	114	147	40	315	104	61	72	61	0.0
24	201	54	455	112	146	41	290	63	70	75	63	0.0
25	195	54	455	113	147	41	272	82	68	74	59	0.0
26	209	65	457	412	147	41	215	143	66	65	60	0.0
27	213	114	457	446	152	38	194	101	63	61	61	0.0
28	129	114	457	448	156	38	188	77	71	69	61	0.0
29	82	235	459	458	---	37	189	61	70	68	65	0.0
30	82	330	462	459	---	37	217	83	68	65	66	0.0
31	145	---	460	458	---	37	---	88	---	60	71	---
TOTAL	2129	2601	8226	6879	5531	3341	6701	4889	3459	2086	2042	1293
MEAN	68.7	86.7	265	222	198	108	223	158	115	67.3	65.9	43.1
AC-FT	4220	5160	16320	13640	10970	6630	13290	9700	6860	4140	4050	2560
MAX	215	330	462	459	459	210	412	325	370	80	86	81
MIN	0.0	46	100	112	145	37	35	61	47	60	58	0.0

CAL YR 1990 TOTAL 51060.0 MEAN 140 MAX 462 MIN 0.00 AC-FT 101300
WTR YR 1991 TOTAL 49177 MEAN 135 MAX 462 MIN 0.00 AC-FT 97540

NO PEAK DATA AVAILABLE

PLATTE RIVER BASIN

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

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

GAGE.--Graphic water-stage recorder with satellite telemetry at 15' Parshall flume. Station maintained by U.S. Bureau of Reclamation.

REMARKS.--Record is good, complete and reliable. Periods of zero discharge indicate wasteway was off. Records developed by Fred H. Renner.

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96	0.0	0.0	0.0	0.0
3	57	0.0	0.0	0.0	0.0	0.0	0.0	37	113	0.0	0.0	0.0
4	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	36	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	7.3	58	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	3.0	15	0.0	119	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	5.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	20	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	50	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	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	35
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33
23	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	16
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
26	0.0	0.0	0.0	0.0	0.0	0.0	53	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	75	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	81	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	77	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	75	1.7	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	80	0.0	0.0	0.0	0.0	0.0	389.9	419.7	788.0	119	0.0	165.4
MEAN	2.58	0.0	0.0	0.0	0.0	0.0	13.0	13.5	26.3	3.84	0.0	5.51
AC-FT	159	0.0	0.0	0.0	0.0	0.0	773	832	1560	236	0.0	328
MAX	57	0.0	0.0	0.0	0.0	0.0	81	96	130	119	0.0	59
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 1990 TOTAL 3136.7 MEAN 8.59 MAX 149 MIN 0.00 AC-FT 6220
WTR YR 1991 TOTAL 1962.0 MEAN 5.38 MAX 130 MIN 0.00 AC-FT 3890

MAX DISCH 360 CFS AT 0730 10-JUL-1991 GH 3.04 FT. SHIFT 0.00 FT. MAX GH 3.04 FT. AT 0730 10-JUL-1991

PLATTE RIVER BASIN

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

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

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

REMARKS.--Record is complete and reliable except for following period; July 10-12, 1991, due to recorder problem.
 Periods of zero discharge indicates Power Plant was off. Station maintained by U.S. Bureau of Reclamation.
 Records developed by Fred H. Renner.

RATING TABLE.--BTTPMCC002 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	0.0	0.0	0.0	0.0	0.0	0.0	0.0	315	400	227	307
2	114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	324	400	227	306
3	31	0.0	0.0	0.0	0.0	0.0	0.0	67	380	400	232	258
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	400	385	258	232
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	400	348	292	242
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103	400	364	226	248
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	400	350	186	237
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	344	191	214
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	353	243	207
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	400	240	245	189
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	196	400	393	237	182
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	254	400	395	233	188
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	287	400	392	235	185
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	256	400	386	285	164
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250	400	338	289	149
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	272	400	320	279	118
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	298	400	309	208	104
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	209	400	292	161	106
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	400	275	157	104
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	248	400	277	163	30
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	348	400	329	210	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	346	400	375	293	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381	400	362	333	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	401	400	302	327	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	376	375	280	319	141
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	303	349	309	315	192
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	350	337	286	324	200
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	392	298	235	327	192
29	164	0.0	0.0	0.0	---	0.0	0.0	398	334	204	338	184
30	233	0.0	0.0	0.0	---	0.0	0.0	378	387	215	330	184
31	68	---	0.0	0.0	---	0.0	---	352	---	229	313	---
TOTAL	731	0.0	0.0	0.0	0.0	0.0	0.0	6964	11499	10087	8003	4863
MEAN	23.6	0.0	0.0	0.0	0.0	0.0	0.0	225	383	325	258	162
AC-FT	1450	0.0	0.0	0.0	0.0	0.0	0.0	13810	22810	20010	15870	9650
MAX	233	0.0	0.0	0.0	0.0	0.0	0.0	401	400	400	338	307
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	298	204	157	0.0
CAL YR 1990 TOTAL		33467	MEAN	91.7	MAX	400	MIN	0.00	AC-FT	66380		
WTR YR 1991 TOTAL		42147	MEAN	115	MAX	401	MIN	0.00	AC-FT	83600		

NO PEAK DATA AVAILABLE

PLATTE RIVER BASIN

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LASALLE, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--The DCP is the primary source of record. The chart was used Aug. 30-31; Sept. 1-16, 1991. Record is complete and reliable except for the following periods: discharge ice affected Dec. 15-31, 1990 and Jan. 1-20, 1991. Record good, except that for periods of ice effect which is fair. Station maintained and records developed by Merlin E. Friedrichsen.

RATING TABLE.--BIGLASCO23 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	99	67	46	57	52	31	1.4	48	53	65	84
2	77	70	65	46	53	49	25	1.5	353	64	83	89
3	73	67	72	50	52	52	23	1.8	582	67	141	97
4	67	65	82	49	53	52	23	5.7	446	63	190	87
5	64	70	63	45	53	54	23	11	233	69	123	89
6	63	73	62	47	54	53	21	12	134	58	88	103
7	62	75	57	47	55	51	16	10	193	55	103	113
8	68	70	57	49	56	49	16	7.7	101	72	74	99
9	72	71	57	48	55	47	12	4.1	67	75	82	89
10	68	70	57	48	55	50	5.8	3.0	48	81	150	101
11	67	69	56	48	55	51	6.1	3.1	36	78	164	89
12	67	68	58	50	56	54	7.2	4.9	30	85	169	76
13	65	69	57	51	55	48	15	5.7	28	108	161	76
14	64	70	56	53	55	49	14	3.0	23	82	150	71
15	66	70	56	50	54	48	12	2.7	15	80	152	66
16	65	71	56	50	54	46	12	15	9.7	76	166	62
17	62	72	56	51	56	46	10	83	6.2	86	175	62
18	64	71	56	51	55	47	6.1	61	5.7	91	115	77
19	65	68	35	49	53	47	5.3	36	5.4	98	113	85
20	64	66	40	50	54	46	2.1	29	5.4	102	120	84
21	64	65	50	54	54	45	1.5	37	5.6	106	109	75
22	65	64	48	57	53	44	1.3	35	36	131	112	75
23	66	65	48	59	52	43	0.92	85	79	302	113	74
24	65	65	48	53	51	48	1.1	78	27	159	111	65
25	68	64	48	56	50	44	1.2	38	27	101	93	56
26	68	66	48	51	50	45	1.4	25	19	91	90	48
27	64	68	48	60	52	45	1.5	25	21	90	76	41
28	67	70	44	54	54	44	1.4	25	32	85	77	38
29	61	73	40	44	---	43	1.4	34	36	74	126	44
30	188	66	44	52	---	42	1.6	48	55	68	119	71
31	217	---	45	61	---	42	---	40	---	64	80	---
TOTAL	2325	2090	1676	1579	1506	1476	298.92	771.6	2707.0	2814	3690	2286
MEAN	75.0	69.7	54.1	50.9	53.8	47.6	9.96	24.9	90.2	90.8	119	76.2
AC-FT	4610	4150	3320	3130	2990	2930	593	1530	5370	5580	7320	4530
MAX	217	99	82	61	57	54	31	85	582	302	190	113
MIN	61	64	35	44	50	42	0.92	1.4	5.4	53	65	38
CAL YR 1990 TOTAL		25463.5	MEAN	69.8	MAX	287	MIN	3.2	AC-FT	50510		
WTR YR 1991 TOTAL		23219.52	MEAN	63.6	MAX	582	MIN	0.92	AC-FT	46060		
MAX DISCH		776 CFS AT 1715	02-JUN-1991	GH		3.88 FT.	SHIFT		0.00 FT.	MAX GH		3.88 FT. AT 1715
02-JUN-1991												

PLATTE RIVER BASIN
MUNROE CANAL NEAR FORT COLLINS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable. Station maintained and records developed by George E. Sievers.

RATING TABLE.--MUNCANCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114	109	48	49
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	132	48	49
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	159	48	49
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	170	49	48
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	171	48	49
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	171	48	49
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	170	49	49
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	169	49	49
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	58	170	56	50
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	57	170	58	50
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	169	58	50
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99	168	58	50
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97	170	59	49
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	96	168	59	48
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	98	168	59	49
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	98	169	59	49
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	98	195	59	49
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	98	209	58	49
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	79	210	52	49
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115	70	210	49	49
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	69	212	49	49
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	30	209	48	49
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103	9.8	134	48	17
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	9.1	98	48	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76	43	65	49	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	60	50	49	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	79	49	49	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78	89	48	50	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	91	89	48	49	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	98	89	47	48	0.0
31	0.0	---	0.0	0.0	---	0.0	---	107	---	47	48	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1480.0	2013.0	4434	1606	1097
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.7	67.1	143	51.8	36.6
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2940	3990	8790	3190	2180
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	114	212	59	50
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	47	48	0.0

CAL YR 1990 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1991 TOTAL 10630.0 MEAN 29.1 MAX 212 MIN 0.00 AC-FT 21080

MAX DISCH 217 CFS AT 1745 22-JUL-1991 GH 2.91 FT. SHIFT 0.00 FT. MAX GH 2.91 FT. AT 1745
22-JUL-1991

PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--1,056 mi².

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

REMARKS.--Record is complete and reliable except for Dec. 3, 1990 to Mar. 8, 1991 when the station was closed for the winter. Stage discharge relation was affected by ice on Dec. 1-2, 1990 and Mar. 9-14 1991. Records good except for periods of no gage-height and ice affect, which is fair. Natural flow of stream affected by transbasin and transmountain diversions, diversions upstream from station for irrigation, diversions for municipal use. Station maintained and records developed by George Sievers.

RATING TABLE.--CLAFTCCO09 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	47	46	6.0	21	17	25	13	1650	885	488	182
2	64	48	37	24	21	22	29	11	3740	768	517	178
3	58	50	25	26	20	24	32	13	2700	660	495	176
4	55	33	25	31	19	31	28	18	1770	652	533	171
5	59	39	28	33	21	32	23	26	1880	654	483	168
6	58	47	31	27	21	30	26	24	1860	634	493	158
7	61	31	27	26	21	26	28	19	1900	617	564	174
8	76	25	23	23	21	18	31	22	1790	607	539	195
9	76	42	22	19	20	19	28	18	1740	623	476	199
10	70	50	220	20	21	23	20	21	1670	641	440	193
11	69	47	179	20	20	28	22	84	1720	606	430	189
12	72	38	134	18	20	29	21	161	1900	520	435	184
13	61	35	31	19	20	19	15	183	1790	546	462	162
14	61	36	28	20	19	22	10	284	1710	497	491	126
15	60	35	12	19	21	21	13	317	1820	434	455	114
16	61	43	8.0	18	19	20	7.8	281	1810	400	482	118
17	63	36	10	20	24	18	12	212	1500	381	492	110
18	68	35	25	17	22	16	18	237	1370	384	480	89
19	54	34	31	18	17	24	22	477	1330	402	537	82
20	71	33	23	17	23	26	16	775	1400	399	530	76
21	64	30	20	18	23	23	17	676	1410	445	485	64
22	50	7.4	15	20	23	25	19	716	1430	457	447	60
23	54	5.2	16	18	19	24	14	1030	1310	578	350	84
24	57	26	24	10	15	22	15	913	1310	512	307	72
25	46	34	25	15	14	28	15	749	1290	532	287	60
26	41	104	27	17	13	31	16	1170	1180	555	277	56
27	40	118	18	17	11	35	18	1430	995	520	277	55
28	43	8.8	14	19	17	29	16	1500	977	475	305	55
29	40	7.8	7.0	20	---	25	14	1330	986	494	284	54
30	39	41	7.0	20	---	26	13	1280	986	461	243	64
31	43	---	8.0	20	---	23	---	1080	---	443	194	---
TOTAL	1803	1166.2	1146.0	615.0	546	756	583.8	15070	48924	16782	13278	3668
MEAN	58.2	38.9	37.0	19.8	19.5	24.4	19.5	486	1631	541	428	122
AC-FT	3580	2310	2270	1220	1080	1500	1160	29890	97040	33290	26340	7280
MAX	76	118	220	33	24	35	32	1500	3740	885	564	199
MIN	39	5.2	7.0	6.0	11	16	7.8	11	977	381	194	54

CAL YR 1990 TOTAL 108256.6 MEAN 297 MAX 2210 MIN 5.2 AC-FT 214700
WTR YR 1991 TOTAL 104338.0 MEAN 286 MAX 3740 MIN 5.2 AC-FT 207000

MAX DISCH 4522 CFS AT 1345 02-JUN-1991 GH 6.52 FT. SHIFT 0.00 FT. MAX GH 6.52 FT. AT 1345
02-JUN-1991

PLATTE RIVER BASIN

06752500 CACHE LA POUFRE RIVER NEAR GREELEY, CO

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

DRAINAGE AREA.--1,877 mi².

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

REMARKS.--Record is complete and reliable, except for April 13-15; June 30; July 1-3; Aug. 5-8, 1991 when intakes were plugged. Natural flow of stream affected by transmountain and transbasin diversions, storage reservoirs, power developments, diversion for municipal supply, diversions upstream from station for irrigation. Records good except for periods of no gage-height record which is fair. Station maintained and records developed by George Sievers.

RATING TABLE.--CLAGRECO25 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	108	106	81	194	96	75	19	109	27	96	26
2	109	109	102	85	193	92	78	15	548	21	94	28
3	100	120	86	89	190	88	76	13	1850	16	109	34
4	98	111	103	91	192	91	83	47	1140	15	100	68
5	102	106	111	90	188	95	85	50	634	14	82	84
6	99	115	107	85	187	94	81	42	910	12	68	73
7	100	121	105	88	187	93	80	26	893	15	56	64
8	111	119	109	90	189	89	85	26	949	21	44	57
9	113	114	107	90	184	87	88	25	885	23	39	59
10	110	109	110	91	150	85	44	25	998	30	45	70
11	107	107	128	94	111	89	30	25	1020	24	44	75
12	100	104	131	96	108	88	34	20	1010	24	46	71
13	98	108	125	93	100	85	26	18	1100	27	50	86
14	90	114	108	96	99	86	21	19	884	25	44	64
15	92	117	99	95	98	86	14	22	757	21	41	51
16	94	115	99	96	95	84	13	38	825	19	40	50
17	94	108	108	95	92	79	13	29	717	18	45	56
18	96	104	107	97	94	81	13	17	413	16	41	54
19	99	109	99	98	94	85	21	16	170	19	43	51
20	94	112	79	104	93	84	20	16	87	19	42	51
21	101	112	96	176	94	83	27	16	71	22	35	44
22	100	104	89	204	95	82	24	16	96	101	34	40
23	102	106	81	202	91	78	21	19	223	228	44	39
24	103	107	81	181	85	75	22	28	203	241	42	38
25	100	103	82	197	88	73	26	27	100	144	42	42
26	102	106	86	185	97	82	23	28	44	101	33	42
27	97	113	89	200	98	87	20	41	39	100	32	38
28	99	110	90	193	97	84	21	32	36	100	29	38
29	98	105	85	165	---	82	23	42	35	103	32	39
30	100	109	80	172	---	77	25	42	32	98	32	52
31	105	---	80	193	---	73	---	43	---	97	25	---
TOTAL	3117	3305	3068	3912	3583	2633	1212	842	16778	1741	1549	1584
MEAN	101	110	99.0	126	128	84.9	40.4	27.2	559	56.2	50.0	52.8
AC-FT	6180	6560	6090	7760	7110	5220	2400	1670	33280	3450	3070	3140
MAX	113	121	131	204	194	96	88	50	1850	241	109	86
MIN	90	103	79	81	85	73	13	13	32	12	25	26

CAL YR 1990 TOTAL 45624 MEAN 125 MAX 1060 MIN 11 AC-FT 90500
WTR YR 1991 TOTAL 43324 MEAN 119 MAX 1850 MIN 12 AC-FT 85930

MAX DISCH 2061 CFS AT 1330 03-JUN-1991 GH 6.92 FT. SHIFT 0.00 FT. MAX GH 6.92 FT. AT 1330

PLATTE RIVER BASIN

06754000 SOUTH PLATTE RIVER NEAR KERSEY, CO

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

DRAINAGE AREA.--9,598 mi².

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

REMARKS.--Record is complete and reliable, except for Mar. 1-4; Apr. 14-15; May 2, 30-31; June 4, 8-9, 23; July 13-18, 24-27, 31; Aug. 1, 4-5, 13, 1991 when the manometer orifice was plugged. The stage-discharge relation was affected by ice Dec. 20-30, 1990. Natural flow of stream affected by transmountain and transbasin diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation. Station maintained and records developed by George Sievers.

RATING TABLE.--PLAKERCO21 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	925	822	808	797	849	650	486	300	695	140	280	381
2	871	763	774	822	868	630	496	440	4140	128	230	376
3	774	752	734	870	912	600	451	259	9090	134	456	404
4	754	825	734	835	905	610	362	289	5630	192	3030	472
5	728	847	758	799	890	566	323	381	3000	176	2110	517
6	686	915	742	774	877	552	283	500	3070	165	1490	577
7	644	1090	767	774	867	585	251	436	3790	149	1450	598
8	682	1100	777	764	856	523	248	338	4810	149	1030	712
9	790	980	766	761	842	493	231	275	4040	154	779	737
10	811	967	758	760	803	488	220	214	3730	297	704	794
11	742	940	758	750	754	481	228	175	3860	700	683	775
12	723	907	750	745	752	476	354	133	3500	477	613	795
13	738	887	758	761	758	561	561	143	3530	680	540	915
14	715	860	752	783	758	633	450	151	3130	1080	450	896
15	691	847	721	756	766	620	320	121	3110	680	447	885
16	714	824	702	741	774	603	248	162	3200	400	453	848
17	689	802	728	729	746	545	262	1210	2970	280	552	813
18	706	782	730	756	736	556	248	982	2130	190	590	794
19	707	789	711	740	736	559	257	590	1370	180	514	782
20	710	792	500	730	725	544	245	470	916	192	477	740
21	783	784	440	835	715	534	252	381	574	239	424	670
22	840	747	620	862	718	542	269	357	690	484	398	632
23	800	743	710	907	710	530	279	438	1720	2380	383	579
24	759	738	710	848	695	539	264	999	982	2980	406	584
25	731	722	720	868	678	525	227	1160	485	2050	388	621
26	723	724	720	821	704	522	200	804	262	1440	356	621
27	717	767	730	844	676	528	183	696	190	1230	325	572
28	714	826	730	835	659	681	185	598	175	1140	266	495
29	740	790	740	769	---	588	181	621	155	952	326	450
30	762	766	750	756	---	536	174	820	155	668	524	516
31	874	---	762	807	---	521	---	640	---	430	429	---
TOTAL	23243	25098	22370	24599	21729	17321	8738	15083	75469	20536	21103	19551
MEAN	750	837	722	794	776	559	291	487	2516	662	681	652
AC-FT	46100	49780	44370	48790	43100	34360	17330	29920	149700	40730	41860	38780
MAX	925	1100	808	907	912	681	561	1210	9090	2980	3030	915
MIN	644	722	450	729	659	476	174	121	155	128	230	376

CAL YR 1990 TOTAL 300254 MEAN 823 MAX 3690 MIN 133 AC-FT 595600
WTR YR 1991 TOTAL 294840 MEAN 808 MAX 9090 MIN 121 AC-FT 584800

MAX DISCH 9673 CFS AT 0100 03-JUN-1991 GH 8.41 FT. SHIFT -0.02 FT. MAX GH 8.41 FT. AT 0100
03-JUN-1991

PLATTE RIVER BASIN

06758500 SOUTH PLATTE RIVER NEAR WELDONA, CO

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

DRAINAGE AREA.--13,245 mi².

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

REMARKS.--Record is complete and reliable, except for the following periods: Nov. 17-28; Dec. 3-5, 1990; Feb. 19-28; Mar. 1-8, 10-15, 18-23; May 12-16, 1991 when the inlet was above the water level. Also Dec. 20-31, 1990; Jan. 1-31; Feb. 1-6, 1991 when the gage was affected by ice. Natural flow of stream affected by transmountain and transbasin diversions, storage reservoirs, power developments, ground water withdrawals and diversions for irrigation. Station maintained and records developed by George Sievers.

RATING TABLE.--PLAWELCO15 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	463	269	213	840	800	200	217	227	571	284	173	416
2	553	266	216	880	880	200	213	228	726	248	337	412
3	448	284	210	900	810	170	203	371	2210	224	385	408
4	475	263	200	950	760	150	194	282	4320	225	515	467
5	533	279	190	940	710	150	194	332	2790	251	1240	541
6	546	301	190	900	690	140	149	418	1810	252	892	506
7	523	294	193	900	684	160	138	482	1840	248	1060	563
8	525	336	196	890	590	200	117	459	2160	239	1040	611
9	557	380	193	810	531	196	161	368	2380	244	761	670
10	586	357	181	810	483	130	183	277	1930	258	557	605
11	567	338	217	810	466	120	196	181	2000	306	433	674
12	495	307	283	800	339	120	234	150	1990	447	410	903
13	455	363	418	800	282	130	410	150	1840	404	370	754
14	442	298	467	700	253	220	624	130	1810	533	278	806
15	415	269	459	500	254	230	639	110	1850	609	215	536
16	378	230	454	490	240	242	437	120	1860	318	176	470
17	355	210	443	460	224	232	343	164	1900	271	161	410
18	354	180	455	500	227	190	340	537	1680	234	253	323
19	364	160	442	570	210	200	340	393	1180	215	399	273
20	365	170	500	560	210	210	291	296	646	241	415	201
21	338	180	590	550	210	200	208	286	325	229	402	172
22	327	170	530	660	170	200	248	218	149	252	382	140
23	321	130	710	720	170	190	270	188	213	554	347	112
24	322	130	790	750	150	208	271	268	773	1580	324	96
25	317	120	790	750	150	192	235	656	295	1300	321	87
26	292	110	800	860	140	168	249	703	109	744	308	85
27	287	110	800	820	180	197	280	381	88	485	266	84
28	288	150	810	850	200	173	261	335	143	765	220	84
29	298	213	810	840	---	170	245	338	281	777	181	84
30	284	217	820	770	---	190	238	509	292	591	193	100
31	294	---	830	760	---	205	---	590	---	369	416	---
TOTAL	12767	7084	14400	23340	11013	5683	8128	10147	40161	13697	13430	11593
MEAN	412	236	465	753	393	183	271	327	1339	442	433	386
AC-FT	25320	14050	28560	46290	21840	11270	16120	20130	79660	27170	26640	22990
MAX	586	380	830	950	880	242	639	703	4320	1580	1240	903
MIN	284	110	181	460	140	120	117	110	88	215	161	84
CAL YR 1990 TOTAL		190142	MEAN	521	MAX	1910	MIN	77	AC-FT	377100		
WTR YR 1991 TOTAL		171443	MEAN	470	MAX	4320	MIN	84	AC-FT	340100		
MAX DISCH		4590 CFS	AT 1400	04-JUN-1991	GH	6.89 FT.	SHIFT	-0.05 FT.	MAX GH	6.89 FT.	AT 1400	
04-JUN-1991												

PLATTE RIVER BASIN

06755900 SOUTH PLATTE RIVER AT BALZAC, CO

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

DRAINAGE AREA.--16,852 mi².

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

REMARKS.--Natural flow of stream affected by transmountain and transbasin diversions, storage reservoirs, ground-water withdrawals and diversions above station for irrigation. Station maintained and records developed by George E. Sievers.

RATING TABLE.--PLABALCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	27	28	550	820	288	214	247	124	274	279	243
2	85	29	29	590	870	283	201	232	144	246	146	263
3	87	29	48	650	930	291	182	258	387	223	257	257
4	47	28	70	720	800	289	178	310	3000	183	280	260
5	58	28	67	710	780	277	169	274	3200	169	601	304
6	72	27	72	680	770	252	160	310	1960	179	948	322
7	74	27	74	670	750	239	156	368	1490	167	954	343
8	79	28	74	670	720	244	149	432	1470	163	1210	403
9	86	33	70	590	610	243	136	405	1890	164	1050	483
10	100	31	53	590	550	247	124	330	2010	193	713	500
11	125	29	32	590	480	262	124	290	1520	169	463	477
12	102	29	31	580	440	309	128	240	2010	244	377	891
13	81	31	53	580	420	294	153	200	1940	342	332	773
14	59	27	117	590	400	247	198	160	1790	285	260	745
15	53	25	113	500	367	234	222	130	1950	460	211	703
16	40	23	108	290	376	262	87	110	2020	364	188	514
17	34	23	104	310	365	273	73	153	1860	238	160	443
18	28	24	105	310	329	220	111	152	1620	194	148	385
19	25	25	171	350	288	229	160	426	1050	157	185	374
20	23	26	171	430	276	240	138	272	487	146	236	366
21	23	25	147	420	306	220	125	192	143	154	237	336
22	24	25	202	470	308	200	110	129	99	146	229	288
23	24	25	302	610	284	200	107	89	89	236	215	255
24	24	25	365	610	251	210	76	88	224	719	233	235
25	24	25	488	650	263	210	73	148	190	1520	228	199
26	27	25	553	690	261	220	54	517	136	903	211	168
27	28	24	550	720	264	195	70	388	114	642	188	157
28	25	23	550	740	286	197	53	270	97	530	154	144
29	25	22	550	810	---	196	44	250	110	712	156	145
30	25	27	550	820	---	190	192	364	255	642	138	152
31	27	---	540	770	---	186	---	95	---	469	142	---
TOTAL	1595	795	6387	18260	13564	7447	3967	7829	33379	11233	11129	11128
MEAN	51.5	26.5	206	589	484	240	132	253	1113	362	359	371
AC-FT	3160	1580	12670	36220	26900	14770	7870	15530	66210	22280	22070	22070
MAX	125	33	553	820	930	309	222	517	3200	1520	1210	891
MIN	23	22	28	290	251	186	44	88	89	146	138	144

CAL YR 1990 TOTAL 144185 MEAN 395 MAX 1500 MIN 22 AC-FT 286000
WTR YR 1991 TOTAL 126713 MEAN 347 MAX 3200 MIN 22 AC-FT 251300

MAX DISCH 3783 CFS AT 2300 04-JUN-1991 GH 5.17 FT. SHIFT -0.09 FT. MAX GH 5.17 FT. AT 2300 04-JUN-1991

PLATTE RIVER BASIN

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

LOCATION.--Lat 40°58'37", long 102°14'52", in NE¼SE¼ sec.33, T.12 N., R.44 W., Sedgwick County, Hydrologic Unit 10190018, on right bank of channel No 2 (right channel) 5 ft downstream from bridge on U.S. Highway 385, 0.9 mi southeast of Julesburg, 3.0 mi upstream from Colorado-Nebraska State line, and 8 mi downstream from Lodgepole Creek.

DRAINAGE AREA.--23,193 mi².

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

REMARKS.--Gage-height record is complete and reliable except for the following periods: July 7-17, 1991 when manometer orifice was isolated and replaced. The stage discharge relationship was ice affected Dec. 19-31, 1990; Jan. 1-31; Feb. 1-18, 1991. Record is rated fair except for ice affected which is poor. Station maintained and records developed by Fred Renner.

RATING TABLE.--PLAJURCO16 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	133	276	830	1100	450	394	102	132	79	33	34
2	270	129	329	830	1110	448	392	114	176	70	31	32
3	245	138	365	820	1060	466	394	190	195	56	27	34
4	220	138	388	800	1110	453	390	128	228	45	27	37
5	205	146	416	770	1140	442	391	116	267	38	27	45
6	187	149	438	810	1170	444	388	105	711	35	26	94
7	187	149	395	820	1040	442	367	119	1750	34	27	91
8	202	146	350	860	980	440	334	119	1410	33	27	90
9	229	148	333	850	920	429	284	116	1160	32	24	104
10	232	145	320	820	870	429	250	101	1070	29	25	137
11	228	141	300	790	860	432	228	85	1290	28	124	161
12	239	139	287	760	770	445	229	71	1320	28	187	244
13	194	137	274	650	720	436	219	64	1170	27	148	347
14	182	134	273	660	660	438	222	57	1430	26	119	446
15	162	128	282	670	630	449	222	52	1600	26	78	630
16	153	125	285	680	620	440	241	71	1390	25	53	666
17	138	126	288	700	590	439	343	82	1370	23	38	669
18	126	129	288	610	570	458	338	78	1340	24	29	661
19	126	129	290	420	601	456	285	78	1550	24	26	593
20	131	130	300	420	587	379	255	71	1540	24	31	588
21	126	127	305	380	553	317	243	68	1210	25	30	638
22	131	124	600	410	493	260	234	69	853	26	27	543
23	129	169	670	500	454	251	204	70	634	34	26	422
24	124	202	700	530	440	243	183	102	493	31	25	368
25	125	219	700	650	407	242	144	132	388	30	25	325
26	127	223	580	850	430	232	134	102	338	28	22	274
27	126	233	720	910	449	250	119	103	273	27	21	201
28	129	240	760	970	446	245	100	107	177	27	26	185
29	131	235	770	980	---	265	94	118	127	47	30	172
30	132	247	800	1110	---	379	109	149	96	45	30	163
31	132	---	810	1050	---	402	---	132	---	39	32	---
TOTAL	5348	4758	13892	22910	20780	11901	7730	3071	25688	1065	1401	8994
MEAN	173	159	448	739	742	384	258	99.1	856	34.4	45.2	300
AC-FT	10610	9440	27550	45440	41220	23610	15330	6090	50950	2110	2780	17840
MAX	280	247	810	1110	1170	466	394	190	1750	79	187	669
MIN	124	124	273	380	407	232	94	52	96	23	21	32
CAL YR 1990 TOTAL	142431.9	MEAN	390	MAX	1460	MIN	9.5	AC-FT	282500			
WTR YR 1991 TOTAL	127538	MEAN	349	MAX	1750	MIN	21	AC-FT	253000			
MAX DISCH	1946	CFS AT 0900	07-JUN-1991	GH	5.48	FT.	SHIFT	0.06	FT.	MAX GH	5.48	FT. AT 0900

PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--23,193 mi².

GAGE.--Water-stage graphic recorder with satellite telemetry. Elevation of gage is 3,446.76 ft. above National Geodetic Vertical Datum of 1929. See WSP 1710 or 1730 for history of changes prior to Oct. 1, 1956. Water stage recorder in place since Oct. 1, 1956; located 135 ft downstream at present datum until Dec. 10, 1958; Dec. 10, 1958 to present located 215 ft downstream at present datum. Supplemental outside chain gage.

REMARKS.--Gage-height record is complete and reliable except for the following periods: Dec. 25-31, 1990 and Jan. 1-3, 1991 when clock stopped and DCP failed. The stage discharge relationship was ice affected Dec. 20-24, 1990; Jan. 4-31; Feb. 1-10, 1991. Record is good except for periods of stage-fluctuations which is fair. The ice affected stage record is rated poor. Station maintained and records developed by Fred Renner.

RATING TABLE.--PLAJULCO20 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.78	0.51	1.4	20	110	3.3	2.1	0.0	1.2	1.8	15	2.6
2	0.71	0.47	1.4	25	110	3.3	2.1	7.5	1.0	7.6	17	6.9
3	0.59	0.94	1.5	30	105	3.3	2.0	12	1.8	8.6	20	5.5
4	0.29	0.81	1.4	35	110	3.0	1.6	4.1	1.0	13	19	9.4
5	0.08	0.93	1.3	40	115	3.0	1.5	3.2	1.0	13	21	13
6	0.10	0.91	1.8	50	115	3.6	1.5	2.7	29	15	20	9.8
7	0.15	0.79	1.4	60	100	3.0	1.6	2.2	132	19	25	2.7
8	0.19	0.75	1.2	70	95	2.4	1.4	2.0	79	20	28	0.80
9	0.16	0.75	1.3	75	90	2.1	1.1	1.4	51	19	17	0.0
10	0.08	0.75	1.3	70	80	2.1	1.1	1.3	41	15	14	0.15
11	0.02	0.53	1.3	70	60	2.7	1.4	1.1	57	16	11	0.0
12	0.15	0.45	1.2	65	37	3.9	1.4	1.1	74	16	17	4.6
13	0.15	0.54	1.2	65	25	3.0	1.2	0.94	57	11	23	0.66
14	0.15	0.51	1.2	65	18	1.8	1.0	0.82	70	10	20	0.26
15	0.18	0.46	1.2	65	12	2.0	1.0	0.73	83	16	14	0.57
16	0.22	0.45	1.2	70	14	1.9	1.0	8.4	67	18	8.0	2.2
17	0.30	0.54	1.2	70	13	2.1	1.2	7.9	70	20	6.7	2.4
18	0.23	0.57	1.2	60	13	2.4	1.2	2.5	83	20	8.9	2.7
19	0.20	0.56	1.2	40	12	2.7	0.98	1.8	114	15	8.7	1.8
20	1.3	0.46	1.1	40	10	1.7	0.80	1.6	83	13	14	2.4
21	0.43	0.34	1.0	40	9.0	1.5	0.82	1.3	80	19	18	1.9
22	0.40	0.41	1.0	40	5.3	1.4	0.72	1.2	30	23	18	1.2
23	0.43	0.51	1.0	50	3.6	1.2	0.47	1.1	10	24	15	0.73
24	0.32	0.66	1.0	50	2.7	1.2	0.28	9.0	3.3	14	12	0.50
25	0.32	0.84	2.0	65	1.8	1.2	0.08	5.0	1.8	12	10	0.40
26	0.31	0.98	4.0	85	2.1	1.3	0.04	2.9	1.8	13	8.6	0.47
27	0.30	1.0	5.0	90	2.7	2.8	0.0	2.4	1.2	17	9.6	0.40
28	0.40	1.2	10	95	3.0	1.4	0.0	2.1	1.0	15	12	0.28
29	0.45	1.1	15	100	---	1.4	0.01	2.5	1.0	23	11	0.35
30	0.46	1.2	15	110	---	2.0	0.0	3.6	0.79	18	6.3	0.36
31	0.45	---	20	105	---	2.0	---	1.2	---	14	3.8	---
TOTAL	10.27	20.93	101.0	1915	1274.2	70.7	29.60	95.59	1226.89	479.0	451.6	75.04
MEAN	0.33	0.70	3.26	61.8	45.5	2.28	0.99	3.08	40.9	15.5	14.6	2.50
AC-FT	20	42	200	3800	2530	140	59	190	2430	950	896	149
MAX	1.3	1.2	20	110	115	3.9	2.1	12	132	24	28	13
MIN	0.02	0.34	1.0	20	1.8	1.2	0.0	0.0	0.79	1.8	3.8	0.0

CAL YR 1990 TOTAL 5713.48 MEAN 15.7 MAX 85 MIN 0.02 AC-FT 11330
WTR YR 1991 TOTAL 5749.83 MEAN 15.8 MAX 132 MIN 0.00 AC-FT 11400

MAX DISCH 223 CFS AT 2100 18-JUN-1991 GH 3.63 FT. SHIFT -0.54 FT. MAX GH 3.63 FT. AT 2100
18-JUN-1991

PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)

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

DRAINAGE AREA.--23,193 mi².

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

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

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	281	134	277	850	1210	453	396	102	133	81	48	37
2	271	129	330	855	1220	451	394	122	177	78	48	39
3	246	139	366	850	1160	469	396	202	197	65	47	40
4	220	139	389	835	1220	456	392	132	229	58	46	46
5	205	147	417	810	1260	445	392	119	268	51	48	58
6	187	150	440	860	1280	448	390	108	740	50	46	104
7	187	150	396	880	1140	445	369	121	1880	53	52	94
8	202	147	351	930	1080	442	335	121	1490	53	55	91
9	229	149	334	925	1010	431	285	117	1210	51	41	104
10	232	146	321	890	950	431	251	102	1110	44	39	137
11	228	142	301	860	920	435	229	86	1350	44	135	161
12	239	139	288	825	807	449	230	72	1390	44	204	249
13	194	138	275	715	745	439	220	65	1230	38	171	348
14	182	135	274	725	678	440	223	58	1500	36	139	446
15	162	128	283	735	642	451	223	53	1680	42	92	631
16	153	125	286	750	634	442	242	79	1460	43	61	668
17	138	127	289	770	603	441	344	90	1440	43	45	671
18	126	130	289	670	583	460	339	80	1420	44	38	664
19	126	130	291	460	613	459	286	80	1660	39	35	596
20	132	130	301	460	597	381	256	73	1620	37	45	590
21	126	127	306	420	562	318	244	69	1290	44	48	640
22	131	124	601	450	498	261	235	70	883	49	45	544
23	129	170	671	550	458	252	204	71	644	58	41	423
24	124	203	701	580	443	244	183	111	496	45	37	369
25	125	220	702	715	409	243	144	137	390	42	35	325
26	127	224	584	935	432	233	134	105	340	41	31	274
27	126	234	725	1000	452	253	119	105	274	44	31	201
28	129	241	770	1060	449	246	100	109	178	42	38	185
29	131	236	785	1080	---	266	94	120	128	70	41	172
30	132	248	815	1220	---	381	109	153	97	63	36	163
31	132	---	830	1160	---	404	---	133	---	53	36	---
TOTAL	5352	4781	13988	24825	22055	11969	7758	3165	26904	1545	1854	9070
MEAN	173	159	451	801	788	386	259	102	897	49.8	59.8	302
AC-FT	10620	9480	27750	49240	43750	23740	15390	6280	53360	3060	3680	17990
MAX	281	248	830	1220	1280	469	396	202	1880	81	204	671
MIN	124	124	274	420	409	233	94	53	97	36	31	37

CAL YR 1990 TOTAL	148138	MEAN	406	MAX	1530	MIN	19	AC-FT	293800
WTR YR 1991 TOTAL	133266	MEAN	365	MAX	1880	MIN	31	AC-FT	264300

NO PEAK DATA AVAILABLE

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA, CO

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

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

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

RATING TABLE.--HSPTUNCO04 USED FROM 07-MAY-1991 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	65	42	25
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	59	38	32
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	56	36	33
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	52	51	34
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	52	43	32
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69	51	35	32
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	64	51	32	31
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	74	54	29	30
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	84	78	33	30
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	88	67	18	31
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	108	65	22	30
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	109	61	48	29
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	117	65	43	28
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	110	56	42	27
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	102	52	41	27
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	103	49	42	26
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	98	51	44	25
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	91	67	43	24
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	84	54	43	15
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	88	57	32	1.4
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	87	57	7.6	1.4
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	94	65	6.0	1.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	79	66	2.3	1.1
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	77	62	10	2.9
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	70	62	32	16
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	61	50	30	16
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	55	46	9.0	15
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	68	42	6.7	6.5
29	0.0	0.0	0.0	0.0	---	0.0	0.0	61	75	38	6.5	0.21
30	0.0	0.0	0.0	0.0	---	0.0	0.0	59	82	34	18	0.0
31	0.0	---	0.0	0.0	---	0.0	---	54	---	33	36	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	667.95	2321	1717	921.1	602.71
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	77.4	55.4	29.7	20.1
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1320	4600	3410	1830	1200
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	117	78	51	34
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	33	2.3	0.0
CAL YR 1990 TOTAL	5642.25		MEAN	15.5		MAX	160	MIN	0.00	AC-FT	11190	
WTR YR 1991 TOTAL	6229.75		MEAN	17.1		MAX	117	MIN	0.00	AC-FT	12360	
MAX DISCH	166 CFS		AT	2300		13-JUN-1991	GH	2.78 FT.		SHIFT	0.01 FT. MAX GH	
13-JUN-1991											2.78 FT. AT 2300	

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09046000 BOREAS PASS DITCH AT BOREAS PASS, CO

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

GAGE.--Graphic water-stage recorder.

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

RATING TABLE.--BORDITCO21 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.95	0.0	0.29	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.29	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.29	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.29	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.29	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.29	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.29	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.29	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.29	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.29	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.29	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.29	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.29	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.29	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.23	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.23	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.23	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.23	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.23	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.21	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.21	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.32	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.32	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.32	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.25	7.40	7.66	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.24	0.25	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	15	15	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.60	0.29	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 1990 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1991 TOTAL 41.31 MEAN 0.11 MAX 3.8 MIN 0.00 AC-FT 82

NO PEAK DATA AVAILABLE

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT, CO

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

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

REMARKS.--Record from hourly satellite data is complete and reliably agrees with chart data. Where gaps exist in the chart recording, the satellite data was found to check closely with Denver Water Dept. readings of flow. Record is good. The satellite telemetry is maintained and the record is developed by Robert Cooper.

RATING TABLE.--ROBTUNCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	0.0	0.0	131	105	103	85	82	0.0	195	372	174	0.0	
2	0.0	0.0	131	105	103	84	81	0.0	218	371	174	0.0	
3	0.0	0.0	114	105	103	84	81	0.0	218	444	161	0.0	
4	0.0	0.0	106	105	103	84	85	0.0	217	444	148	0.0	
5	0.0	0.0	106	105	103	84	94	0.0	220	444	148	0.0	
6	0.0	12	106	105	103	84	94	0.0	219	444	148	0.0	
7	0.0	29	106	105	103	84	94	0.0	103	444	148	0.0	
8	0.0	35	106	105	102	85	93	0.0	0.0	444	82	0.0	
9	0.0	35	106	105	102	85	93	0.0	0.0	397	0.0	0.0	
10	0.0	35	106	105	102	85	93	0.0	0.0	322	0.0	0.0	
11	0.0	34	106	105	102	85	86	0.0	0.0	298	0.0	0.0	
12	0.0	35	106	105	102	85	84	0.0	0.0	298	0.0	0.0	
13	0.0	34	106	105	102	85	84	0.0	0.0	298	0.0	0.0	
14	0.0	34	106	105	102	85	84	0.0	0.0	299	0.0	0.0	
15	0.0	37	106	105	95	85	84	0.0	0.0	282	0.0	0.0	
16	0.0	46	106	103	86	85	84	0.0	0.0	256	28	0.0	
17	0.0	59	106	103	86	85	84	0.0	0.0	256	91	0.0	
18	0.0	59	106	103	86	85	84	0.0	0.0	256	91	0.0	
19	0.0	58	106	103	86	85	84	0.0	66	256	91	0.0	
20	0.0	59	106	103	86	85	84	0.0	222	256	50	0.0	
21	0.0	93	102	103	86	85	82	0.0	230	256	0.0	0.0	
22	0.0	122	107	103	86	85	82	0.0	230	234	0.0	0.0	
23	0.0	115	106	103	86	84	35	0.0	230	218	0.0	15	
24	0.0	116	105	103	86	84	0.0	0.0	242	216	0.0	127	
25	0.0	116	105	103	84	78	0.0	0.0	349	215	0.0	215	
26	0.0	116	105	103	85	75	0.0	31	428	218	0.0	215	
27	0.0	116	105	103	85	84	0.0	52	434	217	0.0	215	
28	0.0	116	105	103	85	84	0.0	52	437	195	0.0	214	
29	0.0	125	105	103	---	84	0.0	91	437	173	0.0	213	
30	0.0	131	105	103	---	84	0.0	152	437	174	0.0	213	
31	0.0	---	105	103	---	83	---	153	---	173	0.0	---	
TOTAL	0.0	1767	3333	3223	2643	2604	1931	531	5132	9170	1534	1427	
MEAN	0.0	58.9	108	104	94.4	84.0	64.4	17.1	171	296	49.5	47.6	
AC-FT	0.0	3500	6610	6390	5240	5170	3830	1050	10180	18190	3040	2830	
MAX	0.0	131	131	105	103	85	94	153	437	444	174	215	
MIN	0.0	0.0	102	103	84	75	0.0	0.0	0.0	173	0.0	0.0	
CAL YR 1990 TOTAL		27276.4	MEAN	74.7	MAX	440	MIN	0.00	AC-FT	54100			
WTR YR 1991 TOTAL		33295	MEAN	91.2	MAX	444	MIN	0.00	AC-FT	66040			
MAX DISCH		447	CFS AT 1900	02-JUL-1991	GH	3.01	FT.	SHIFT	0.01	FT.	MAX GH	3.01	FT. AT 1900
02-JUL-1991													

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09047300 VIDLER TUNNEL NEAR ARGENTINE PASS, CO

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

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 3' Parshall flume.

REMARKS.--Station maintained by Vidler Tunnel Co. and records developed by Rodger L. Burcher.

RATING TABLE.--VIDTUNCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	3.1	2.5
2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	3.2	2.3
3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	7.2	3.4	2.3
4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	6.7	3.4	2.2
5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	6.4	3.3	2.1
6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	6.1	3.8	2.0
7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.7	4.6	2.1
8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	5.4	4.2	2.0
9	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	5.2	4.4	2.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	5.1	4.3	2.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	4.7	4.0	2.2
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	5.0	4.2	2.3
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	4.8	4.2	1.6
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	4.4	3.9	2.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	4.0	3.8	2.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	4.0	3.7	2.3
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	3.9	3.4	2.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.8	3.2	2.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.8	3.6	2.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.6	3.4	2.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.4	3.1	2.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.2	3.0	1.8
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.3	2.9	1.8
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.6	2.9	1.7
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.6	2.8	1.6
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	4.2	3.0	1.6
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	4.0	2.9	1.6
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3.8	2.9	1.5
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	9.6	3.6	2.8	1.5
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	9.8	3.4	2.8	0.57
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	3.2	2.6	---
TOTAL	10.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	304.2	145.2	106.8	59.27
MEAN	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	4.68	3.45	1.98
AC-FT	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	603	288	212	118
MAX	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.5	4.6	2.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.6	0.57

CAL YR 1990 TOTAL	336.69	MEAN	0.92	MAX	12	MIN	0.00	AC-FT	668
WTR YR 1991 TOTAL	625.58	MEAN	1.71	MAX	17	MIN	0.00	AC-FT	1240

MAX DISCH 23 CFS AT 1700 11-JUN-1991 GH 1.52 FT. SHIFT 0.00 FT. MAX GH 1.52 FT. AT 1700

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09021500 BERTHOUD PASS DITCH AT BERTHOUD PASS, CO

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

GAGE.--F-type water-stage recorder mounted on 3' cutthroat flume.

REMARKS.--The record is complete and reliable. The record is good except for Jun.26, Jul.3, 1991 when clock stopped and Jul.19-24 when pen drive was slipping. Station maintained by City of Northglenn and records developed by Rodger L. Burcher.

RATING TABLE.--BERDITCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	3.1	1.2
2	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	3.4	1.2
3	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	3.3	1.1
4	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	3.3	1.1
5	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	3.1	1.0
6	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	3.2	1.0
7	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.0	1.1
8	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	2.3	1.1
9	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.7	0.99
10	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	1.6	0.92
11	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.6	0.92
12	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	0.79
13	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	1.9	0.73
14	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.8	0.68
15	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.1	0.79
16	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.3	0.54
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.3	0.59
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	4.4	2.4	0.63
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	4.2	2.7	0.63
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	4.0	2.3	0.59
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	3.9	2.2	0.54
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	3.8	2.1	0.44
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	3.8	2.1	0.39
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	4.0	2.3	0.16
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	4.0	2.1	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	3.5	2.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	3.2	1.8	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	3.1	1.8	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	7.3	3.0	1.6	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	7.1	3.0	1.2	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	3.0	1.2	---

TOTAL	6.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.0	133.8	69.8	19.14
MEAN	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.83	4.32	2.25	0.64
AC-FT	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169	265	138	38
MAX	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	6.7	3.4	1.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.2	0.0

CAL YR 1990 TOTAL	320.93	MEAN	0.88	MAX	11	MIN	0.00	AC-FT	637
WTR YR 1991 TOTAL	314.55	MEAN	0.86	MAX	9.0	MIN	0.00	AC-FT	624

MAX DISCH 11 CFS AT 1600 25-JUN-1991 GH 1.10 FT. SHIFT 0.01 FT. MAX GH 1.10 FT. AT 1600
25-JUN-1991

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09035000 AUGUST P. GUMBLICK TUNNEL AT JONES PASS, CO

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

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

REMARKS.--The record is complete, reliable and considered good. Station maintained by Denver Water Board and records developed by Rodger L. Burcher.

RATING TABLE.--APGTUNCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	0.0	3.6	2.5	2.2	2.5	2.2	2.5	96	0.0	0.0	0.0
2	14	0.0	3.6	2.5	2.5	2.5	2.2	2.5	86	0.0	0.0	0.0
3	8.3	0.0	3.6	2.5	2.5	2.5	2.2	2.5	36	0.0	0.0	0.0
4	8.5	0.0	3.6	2.5	2.2	2.2	2.2	2.9	30	0.0	0.0	0.0
5	11	0.0	2.9	2.5	1.3	2.5	2.5	2.5	0.0	0.0	0.0	0.0
6	10	0.0	2.9	2.5	0.75	2.5	2.5	2.5	0.0	0.0	0.0	0.0
7	9.9	0.0	3.6	2.5	0.53	2.2	2.5	1.8	0.0	0.0	0.0	0.0
8	8.3	0.0	3.6	2.5	2.2	2.5	2.5	3.6	0.0	0.0	0.0	0.0
9	6.6	0.0	3.2	2.0	2.2	2.5	2.2	5.6	0.0	0.0	0.0	0.0
10	8.1	0.0	3.2	2.5	2.2	2.5	1.8	7.9	0.0	0.0	0.0	0.0
11	6.2	0.0	3.2	2.5	2.2	2.5	2.2	15	0.0	0.0	0.0	0.0
12	4.8	0.0	2.9	2.5	2.5	2.5	2.2	25	0.0	0.0	0.0	0.0
13	9.9	0.0	2.9	2.5	2.5	2.2	2.2	16	0.0	0.0	0.0	0.0
14	9.4	0.0	3.2	2.5	2.5	0.69	2.2	32	0.0	0.0	0.0	0.0
15	5.5	0.0	3.2	2.5	2.9	0.39	1.8	25	0.0	0.0	0.0	0.0
16	7.0	0.0	2.9	2.2	2.9	2.2	1.8	21	0.0	0.0	0.0	0.0
17	5.0	0.0	1.0	2.2	2.9	2.2	1.8	17	0.0	0.0	0.0	0.0
18	5.6	0.0	0.0	2.2	2.5	1.8	2.2	25	0.0	0.0	0.0	0.0
19	6.8	0.0	1.3	1.8	2.5	1.8	2.2	42	0.0	0.0	0.0	0.0
20	9.9	0.0	2.9	1.8	2.9	2.2	2.2	39	0.0	0.0	0.0	0.0
21	9.9	0.0	2.9	1.5	2.5	1.8	2.5	48	0.0	0.0	0.0	0.0
22	3.2	0.0	2.9	1.5	2.2	2.5	2.2	76	0.0	0.0	0.0	0.0
23	0.0	1.3	2.9	1.5	2.2	2.5	2.5	51	0.0	0.0	0.0	0.0
24	2.5	4.8	3.2	1.5	2.2	2.2	2.5	56	0.0	0.0	0.0	0.0
25	5.4	4.8	2.9	1.8	2.5	2.2	2.5	59	0.0	0.0	0.0	0.0
26	5.5	4.0	2.9	1.5	2.2	2.5	2.5	77	0.0	0.0	0.0	0.0
27	7.7	4.0	2.9	1.8	0.83	2.2	2.9	96	0.0	0.0	0.0	0.0
28	9.4	4.0	2.5	1.8	0.90	2.2	2.9	55	0.0	0.0	0.0	0.0
29	3.0	4.0	2.5	2.2	---	1.7	2.9	92	0.0	0.0	0.0	0.0
30	0.0	4.0	2.9	2.5	---	2.2	1.4	98	0.0	0.0	0.0	0.0
31	0.0	---	2.9	1.9	---	2.2	---	109	---	0.0	0.0	---
TOTAL	211.4	30.9	88.7	66.7	60.41	67.08	68.4	1108.3	248	0.0	0.0	0.0
MEAN	6.82	1.03	2.86	2.15	2.16	2.16	2.28	35.8	8.27	0.0	0.0	0.0
AC-FT	419	61	176	132	120	133	136	2200	492	0.0	0.0	0.0
MAX	14	4.8	3.6	2.5	2.9	2.5	2.9	109	96	0.0	0.0	0.0
MIN	0.0	0.0	0.0	1.5	0.53	0.39	1.4	1.8	0.0	0.0	0.0	0.0

CAL YR 1990 TOTAL 331.0 MEAN 0.91 MAX 14 MIN 0.00 AC-FT 657
WTR YR 1991 TOTAL 1949.89 MEAN 5.34 MAX 109 MIN 0.00 AC-FT 3870

NO PEAK DATA AVAILABLE

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE, CO

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

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry at 15' Parshall flume. Station maintained by Denver Water Board personnel. Record developed by Fred H. Renner.

REMARKS.--Record is good, complete and reliable. Moss build-up, rocks, and sandbars are present throughout the year. Records developed by Fred H. Renner.

RATING TABLE.--MOFTUNCO02 USED FROM 01-OCT-1990 TO 8-SEP-1991

RATING TABLE.--MOFTUNCO03 USED FROM 09-SEP-1991 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	27	20	14	11	9.5	8.9	11	688	322	116	38
2	57	26	19	13	11	9.4	10	13	629	303	121	38
3	54	22	19	14	11	9.3	9.4	14	507	287	116	36
4	48	24	20	14	11	9.3	9.2	13	501	271	120	35
5	47	24	20	14	10	8.6	11	12	494	253	110	34
6	45	23	18	13	10	8.6	12	12	591	240	122	34
7	46	21	18	13	9.1	9.6	12	14	621	228	120	41
8	47	21	19	13	10	10	11	22	604	237	107	25
9	40	23	19	13	11	9.9	10	44	655	234	106	0.0
10	46	23	19	13	11	10	10	81	663	219	105	0.0
11	45	23	19	11	10	10	9.7	125	697	204	99	0.0
12	39	23	19	13	10	9.5	8.8	135	619	188	105	0.0
13	46	23	19	12	10	9.6	9.6	119	428	184	119	0.0
14	44	24	18	13	10	9.9	9.2	160	310	173	100	0.0
15	40	24	18	12	10	8.5	9.5	152	199	160	100	0.0
16	40	23	19	12	10	9.5	9.8	113	182	156	100	0.0
17	36	23	17	12	9.9	9.9	11	98	131	156	93	0.0
18	42	23	15	12	10	9.9	12	170	139	153	88	0.0
19	42	22	15	12	9.7	10	11	264	232	148	102	0.0
20	41	22	18	12	9.7	9.2	11	298	267	162	98	0.0
21	38	17	17	11	9.7	7.6	11	333	377	170	92	0.0
22	38	16	16	11	9.9	7.5	11	398	374	160	84	0.0
23	34	18	17	12	10	7.5	11	393	368	156	81	0.0
24	33	21	17	11	10	7.8	11	355	380	174	79	0.0
25	38	23	16	12	9.3	8.1	11	362	412	161	79	0.0
26	37	23	16	11	9.7	8.1	11	440	409	171	75	0.0
27	38	21	16	11	9.5	8.0	11	537	396	147	78	0.0
28	38	20	15	11	8.1	7.9	10	522	386	136	78	0.0
29	34	19	15	11	---	7.6	10	531	369	128	72	0.0
30	30	21	14	11	---	7.6	10	543	350	122	58	0.0
31	28	---	14	10	---	8.2	---	573	---	117	38	---
TOTAL	1275	663	541	377	280.6	276.1	312.1	6857	12978	5920	2961	281
MEAN	41.1	22.1	17.5	12.2	10.0	8.91	10.4	221	433	191	95.5	9.37
AC-FT	2530	1320	1070	748	557	548	619	13600	25740	11740	5870	557
MAX	57	27	20	14	11	10	12	573	697	322	122	41
MIN	28	16	14	10	8.1	7.5	8.8	11	131	117	38	0.0

CAL YR 1990 TOTAL 34734.1 MEAN 95.2 MAX 811 MIN 8.0 AC-FT 68900
WTR YR 1991 TOTAL 32721.8 MEAN 89.6 MAX 697 MIN 0.00 AC-FT 64900

MAX DISCH 836 CFS AT 2000 11-JUN-1991 GH 5.36 FT. SHIFT -0.05 FT. MAX GH 5.36 FT. AT 2000
11-JUN-1991

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09012000 EUREKA DITCH NEAR FLAT TOP MOUNTAIN, CO

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

GAGE.--Graphic water-stage recorder.

REMARKS.--Records developed in conjunction with Water Commissioner records and City of Loveland data compiled by Fred H. Renner.

RATING TABLE.--EURDITCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.25
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.25
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.25
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.15
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.15
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.15
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.15
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.15
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.15
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.15
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.15
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.15
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.15
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.15
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.15
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.15
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.15
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.15
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.15
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.25	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.25	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.25	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.25	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.15	0.25	0.25	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.15	0.25	0.25	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.25	0.25	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	6.65	7.75	3.30
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.21	0.25	0.11
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	13	15	6.5
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.25	0.25
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.25	0.0
CAL YR 1990 TOTAL		44.5	MEAN	0.12	MAX	2.1	MIN	0.00	AC-FT	88		
WTR YR 1991 TOTAL		18.60	MEAN	0.05	MAX	0.25	MIN	0.00	AC-FT	37		

NO PEAK DATA AVAILABLE

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

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

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

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

REMARKS.--Record is complete and reliable. This record at the 15 ft. Parshall flume minus the estimated 214 acre-feet of Wind River water equals the diversion from the Western Slope to the Platte River Basin. Record is good. Station maintained and records developed by Fred Renner and Jim Clark.

RATING TABLE.--ADATUNCO06 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	115	193	338	436	447	445	32	299	4.1	201	150	305	
2	93	197	338	446	447	447	178	300	11	208	148	303	
3	54	190	361	447	448	448	398	299	10	208	149	266	
4	259	100	502	448	447	444	399	299	106	208	151	254	
5	365	136	502	447	445	446	400	302	4.1	208	148	261	
6	373	1.7	501	447	445	442	400	297	7.5	267	151	251	
7	370	0.60	503	449	452	437	400	298	0.29	409	150	231	
8	371	0.60	501	447	452	436	402	297	0.0	372	115	252	
9	373	75	500	447	447	440	399	297	0.0	207	132	257	
10	362	2.9	497	448	445	447	396	297	0.0	206	159	219	
11	364	2.6	501	452	444	446	397	301	0.0	230	208	216	
12	368	2.6	499	451	445	445	398	297	0.0	323	200	152	
13	369	54	497	450	447	446	400	293	0.0	331	154	151	
14	370	1.4	497	449	448	446	400	295	0.0	353	121	150	
15	368	0.43	498	449	446	443	399	297	0.0	390	104	167	
16	374	38	495	449	441	416	397	296	0.0	342	146	105	
17	151	1.5	497	448	441	21	400	295	34	312	132	103	
18	154	0.80	497	447	436	4.8	399	298	258	228	134	98	
19	152	0.56	495	448	436	13	398	270	260	227	137	287	
20	209	0.51	496	445	438	13	400	31	267	228	134	426	
21	207	60	470	444	437	12	399	137	15	229	201	426	
22	211	0.55	446	448	441	15	355	134	12	247	342	427	
23	208	0.26	446	447	445	15	298	72	10	235	303	427	
24	208	0.21	443	447	444	15	301	8.4	10	71	305	427	
25	205	0.22	442	451	441	15	298	151	117	71	307	541	
26	205	64	444	451	441	14	299	152	123	71	306	543	
27	206	341	448	450	443	11	287	92	136	73	305	549	
28	205	339	446	447	443	11	290	7.4	204	71	304	546	
29	302	341	444	445	---	11	281	101	203	111	293	541	
30	305	340	445	446	---	11	288	208	198	152	293	540	
31	139	---	446	447	---	11	---	197	---	148	304	---	
TOTAL	8015	2485.44	14435	13873	12432	7266.8	10488	6917.8	1989.99	6937	6186	9421	
MEAN	259	82.8	466	448	444	234	350	223	66.3	224	200	314	
AC-FT	15900	4930	28630	27520	24660	14410	20800	13720	3950	13760	12270	18690	
MAX	374	341	503	452	452	448	402	302	267	409	342	549	
MIN	54	0.21	338	436	436	4.8	32	7.4	0.0	71	104	98	
CAL YR 1990 TOTAL	86428.02		MEAN	237		MAX	544	MIN	0.00	AC-FT	171400		
WTR YR 1991 TOTAL	100447.04		MEAN	275		MAX	549	MIN	0.00	AC-FT	199200		
MAX DISCH	559 CFS AT 1000		14-OCT-1990		GH	4.13 FT.		SHIFT	0.00 FT.		MAX GH	4.13 FT. AT 1000	
14-OCT-1990													

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09010000 GRAND RIVER DITCH AT LA POUVRE PASS, CO

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

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

REMARKS--Record complete and reliable except for May 14-20, 1991, when flume 90% iced over. Stage-relation discharge ice affected on May 21, 1991. Record good. Station maintained and records developed by George Sievers.

RATING TABLE--GRNDRDC002 USED FROM 14-MAY-1991 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125	135	35	10
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108	124	37	10
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87	117	36	9.3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	111	41	7.1
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110	107	33	2.3
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	157	105	32	0.99
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	98	32	1.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	182	95	28	1.3
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	199	111	25	1.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	201	97	23	0.66
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	219	88	22	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	236	80	21	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	223	75	27	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	232	72	22	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	256	67	21	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	224	68	23	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	196	66	20	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	194	70	18	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	196	68	19	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	192	65	19	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	192	71	17	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	194	59	15	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	180	58	14	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	180	58	13	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55	175	64	12	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81	158	60	11	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104	144	52	11	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117	161	47	12	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	115	156	43	13	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	104	148	40	11	0.0
31	0.0	---	0.0	0.0	---	0.0	---	108	---	37	10	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	876.0	5282	2408	673	43.75
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	176	77.7	21.7	1.46
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1740	10480	4780	1330	87
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117	256	135	41	10
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	37	10	0.0
CAL YR 1990 TOTAL	10578.69	MEAN	29.0	MAX	318	MIN	0.00	AC-FT	20980			
WTR YR 1991 TOTAL	9282.75	MEAN	25.4	MAX	256	MIN	0.00	AC-FT	18410			
MAX DISCH	283 CFS AT 2300	14-JUN-1991	GH	3.43 FT.	SHIFT	0.00 FT.	MAX GH	3.43 FT.	AT 2300			
14-JUN-1991												

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06745500 CAMERON PASS DITCH AT CAMERON PASS, CO

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

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

REMARKS.--No water run in 1991.

RATING TABLE.--CAPDCPC001 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	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 1990 TOTAL 47.70 MEAN 0.13 MAX 4.5 MIN 0.00 AC-FT 95
WTR YR 1991 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00

NO PEAK DATA AVAILABLE

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746000 MICHIGAN DITCH AT CAMERON PASS, CO

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

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

REMARKS.--Station maintained and records developed by George E. Sievers.

RATING TABLE.--MICDCPC002 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	1.3	0.73	0.26	0.18	0.10	0.12	0.17	38	26	9.8	3.9
2	3.0	1.3	0.69	0.26	0.17	0.09	0.15	0.16	36	26	9.8	3.7
3	3.0	1.3	0.51	0.27	0.15	0.08	0.13	0.18	30	26	9.5	3.7
4	2.8	1.3	0.51	0.25	0.15	0.09	0.15	0.16	30	25	9.8	3.4
5	2.8	1.3	0.53	0.23	0.14	0.08	0.17	0.16	35	25	8.9	3.4
6	2.6	1.3	0.51	0.22	0.13	0.09	0.18	0.15	42	24	9.2	3.4
7	2.8	1.3	0.50	0.23	0.13	0.09	0.17	0.18	46	23	8.9	3.7
8	3.0	1.4	0.47	0.22	0.12	0.13	0.15	0.22	49	23	7.9	4.4
9	3.2	1.3	0.42	0.21	0.11	0.14	0.15	0.12	51	23	7.6	4.4
10	2.8	1.3	0.40	0.20	0.10	0.14	0.16	0.17	53	22	7.0	4.1
11	2.6	1.2	0.39	0.19	0.09	0.14	0.15	0.18	57	20	6.8	4.1
12	2.8	1.2	0.39	0.18	0.08	0.14	0.15	0.17	48	18	6.5	4.1
13	2.6	1.3	0.40	0.18	0.07	0.15	0.15	0.0	55	22	6.5	3.9
14	2.4	1.2	0.39	0.19	0.07	0.15	0.14	0.0	44	16	6.2	3.9
15	2.4	1.1	0.40	0.19	0.07	0.14	0.14	0.0	0.0	15	6.2	4.1
16	0.89	1.2	0.42	0.19	0.08	0.14	0.17	0.0	0.0	15	6.2	4.1
17	0.0	1.2	0.42	0.19	0.08	0.13	0.18	0.0	0.0	14	5.9	4.1
18	0.0	1.2	0.43	0.20	0.08	0.14	0.18	0.0	0.0	14	5.4	3.9
19	0.0	0.97	0.44	0.20	0.08	0.10	0.17	0.0	37	14	6.2	3.7
20	0.0	0.74	0.44	0.21	0.09	0.08	0.16	3.5	54	13	6.5	3.4
21	0.0	1.1	0.44	0.22	0.10	0.13	0.15	10	53	13	5.9	3.2
22	0.0	1.1	0.43	0.22	0.10	0.14	0.16	16	53	13	5.7	3.0
23	0.0	1.0	0.40	0.22	0.09	0.14	0.15	16	51	14	5.4	2.8
24	0.0	1.0	0.39	0.22	0.09	0.14	0.15	13	48	14	5.1	3.0
25	0.0	1.0	0.38	0.21	0.10	0.14	0.14	14	45	16	4.9	3.0
26	0.0	0.89	0.35	0.22	0.10	0.13	0.14	18	41	15	4.4	2.8
27	0.0	0.84	0.33	0.21	0.10	0.14	0.15	23	37	13	4.4	2.8
28	0.0	0.79	0.30	0.21	0.10	0.14	0.13	30	32	12	4.6	2.8
29	0.0	0.79	0.28	0.20	---	0.13	0.16	32	26	12	4.4	2.8
30	0.0	0.78	0.26	0.18	---	0.11	0.12	30	25	10	4.1	2.6
31	0.0	---	0.27	0.18	---	0.10	---	32	---	9.8	3.9	---
TOTAL	42.69	33.70	13.22	6.56	2.95	3.78	4.57	239.52	1116	545.8	203.6	106.2
MEAN	1.38	1.12	0.43	0.21	0.11	0.12	0.15	7.73	37.2	17.6	6.57	3.54
AC-FT	85	67	26	13	5.9	7.5	9.1	475	2210	1080	404	211
MAX	3.2	1.4	0.73	0.27	0.18	0.15	0.18	32	57	26	9.8	4.4
MIN	0.0	0.74	0.26	0.18	0.07	0.08	0.12	0.0	0.0	9.8	3.9	2.6
CAL YR 1990 TOTAL	1355.81		MEAN	3.71	MAX	71	MIN	0.00	AC-FT	2690		
WTR YR 1991 TOTAL	2318.59		MEAN	6.35	MAX	57	MIN	0.00	AC-FT	4600		
MAX DISCH	71 CFS AT 1600		14-JUN-1991	GH	1.64 FT.		SHIFT	0.00 FT.		MAX GH	1.64 FT. AT 1600	
14-JUN-1991												

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE, CO

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

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

REMARKS.--No water diversions in 1991.

RATING TABLE.--SKYDCLCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	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 1990 TOTAL 179 MEAN 0.49 MAX 41 MIN 0.00 AC-FT 355
WTR YR 1991 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00

NO PEAK DATA AVAILABLE

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE, CO

LOCATION.--Lat 39°29'18", long 105°05'32"; Laramie-Poudre tunnel diverts water from Laramie River and tributaries to Cache la Poudre River in sec 9, T.8 N., R.75 W.

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

REMARKS.--Station maintained and records developed by George E. Sievers.

RATING TABLE.--LAPTUNCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170	129	50	22
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116	119	55	23
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114	70	22
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110	75	19
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	61	16
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103	73	16
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98	82	19
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91	69	23
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	59	21
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	51	19
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78	46	17
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73	45	9.4
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	71	45	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	0.0	69	41	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	0.0	67	43	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	65	58	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	24	66	52	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	181	67	41	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69	197	66	45	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	198	61	46	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90	195	61	40	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115	193	65	36	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123	181	74	32	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	106	171	70	30	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116	162	80	30	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133	148	83	28	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151	133	78	27	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158	137	67	28	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	150	142	59	26	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	140	144	54	24	0.0
31	0.0	---	0.0	0.0	---	0.0	---	133	---	51	23	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1721	2492	2465	1431	226.4
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.5	83.1	79.5	46.2	7.55
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3410	4940	4890	2840	449
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158	198	129	82	23
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	23	0.0
CAL YR 1990 TOTAL	8449.4		MEAN	23.1	MAX	200	MIN	0.00	AC-FT	16760		
WTR YR 1991 TOTAL	8335.4		MEAN	22.8	MAX	198	MIN	0.00	AC-FT	16530		
MAX DISCH	216 CFS		AT 2000	19-JUN-1991	GH	2.90 FT. SHIFT		0.00 FT. MAX GH		2.90 FT. AT 2000		
19-JUN-1991												

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

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

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

REMARKS--Station maintained and records developed by George E. Sievers.

RATING TABLE--DEADPC001 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	1.7	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	1.6	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	1.4	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.64	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	3.9	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	3.9	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.2	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	2.3	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.1	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	2.1	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.1	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	14	2.3	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	12	3.2	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	12	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	148.2	267.3	5.34	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.78	8.91	0.17	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	294	530	11	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	27	1.7	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0

CAL YR 1990 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
 WTR YR 1991 TOTAL 420.84 MEAN 1.15 MAX 27 MIN 0.00 AC-FT 835

MAX DISCH 53 CFS AT 1430 02-JUN-1991 GH 1.64 FT. SHIFT 0.00 FT. MAX GH 1.64 FT. AT 1430

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO

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

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

REMARKS.--Station maintained and records developed by George E. Sievers.

RATING TABLE.--WSDEARCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	2.5	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87	2.3	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65	2.1	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	0.94	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.74	13	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	11	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	9.8	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	7.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	6.7	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	6.4	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	5.7	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	5.4	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71	4.8	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	4.3	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55	3.8	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	3.2	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	3.2	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	3.2	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	48	2.8	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	43	3.5	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	39	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	659.96	609.2	7.84	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	20.3	0.25	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1310	1210	16	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71	87	2.5	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0

CAL YR 1990 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1991 TOTAL 1277.00 MEAN 3.50 MAX 87 MIN 0.00 AC-FT 2530

MAX DISCH 147 CFS AT 1800 02-JUN-1991 GH 2.28 FT. SHIFT 0.00 FT. MAX GH 2.28 FT. AT 1800
02-JUN-1991

REPUBLICAN RIVER BASIN

PIONEER DITCH AT HEADGATE NEAR LAIRD, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable. Periods of zero discharges indicates canal was off. Station maintained by Pioneer Ditch Company. Records developed by Fred H. Renner.

RATING TABLE.--PIOHDGCO03 USED FROM 01-OCT-1990 TO 4-DEC-1990

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	13	9.4	0.0	0.0	0.0	0.0	0.0	23	18	26	23
2	0.0	18	8.7	0.0	0.0	0.0	0.0	0.0	23	17	27	25
3	0.0	22	6.6	0.0	0.0	0.0	0.0	0.0	22	17	27	24
4	0.0	22	0.10	0.0	0.0	0.0	0.0	0.0	22	17	28	22
5	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	1.2	17	30	22
6	0.0	16	0.0	0.0	0.0	0.0	0.0	0.0	1.8	15	25	22
7	0.0	13	0.0	0.0	0.0	0.0	0.0	0.0	0.88	19	28	22
8	0.0	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	28	22
9	0.0	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	28	23
10	8.4	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	28	23
11	12	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	29	25
12	11	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	33	25
13	11	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	30	26
14	11	23	0.0	0.0	0.0	0.0	0.0	0.0	9.0	14	21	27
15	11	24	0.0	0.0	0.0	0.0	0.0	0.0	32	18	20	27
16	11	24	0.0	0.0	0.0	0.0	0.0	0.0	36	19	20	27
17	19	24	0.0	0.0	0.0	0.0	0.0	0.0	29	19	20	27
18	17	24	0.0	0.0	0.0	0.0	0.0	0.0	27	18	19	27
19	10	24	0.0	0.0	0.0	0.0	0.0	0.0	34	19	19	24
20	13	25	0.0	0.0	0.0	0.0	0.0	0.0	29	19	19	17
21	14	26	0.0	0.0	0.0	0.0	0.0	17	30	19	19	15
22	13	27	0.0	0.0	0.0	0.0	0.0	27	30	20	24	15
23	12	27	0.0	0.0	0.0	0.0	0.0	28	28	28	28	18
24	12	29	0.0	0.0	0.0	0.0	0.0	28	27	25	27	25
25	11	29	0.0	0.0	0.0	0.0	0.0	22	26	24	26	21
26	12	30	0.0	0.0	0.0	0.0	0.0	22	23	23	24	18
27	12	17	0.0	0.0	0.0	0.0	0.0	22	19	23	24	18
28	12	9.6	0.0	0.0	0.0	0.0	0.0	23	18	21	23	16
29	12	9.4	0.0	0.0	---	0.0	0.0	25	18	20	23	16
30	11	9.1	0.0	0.0	---	0.0	0.0	25	18	22	22	16
31	12	---	0.0	0.0	---	0.0	---	24	---	27	21	---
TOTAL	267.4	578.1	24.80	0.0	0.0	0.0	0.0	263	526.88	635	766	658
MEAN	8.63	19.3	0.80	0.0	0.0	0.0	0.0	8.48	17.6	20.5	24.7	21.9
AC-FT	530	1150	49	0.0	0.0	0.0	0.0	522	1050	1260	1520	1310
MAX	19	30	9.4	0.0	0.0	0.0	0.0	28	36	39	33	27
MIN	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	19	15

CAL YR 1990 TOTAL 3531.20 MEAN 9.67 MAX 34 MIN 0.00 AC-FT 7000
WTR YR 1991 TOTAL 3719.18 MEAN 10.2 MAX 39 MIN 0.00 AC-FT 7380

NO PEAK DATA AVAILABLE

REPUBLICAN RIVER BASIN

PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE

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

DRAINAGE AREA.--N/A

GAGE.--Type-F graphic water-stage recorder at 4' Parshall flume. Station maintained by Pioneer Ditch Company.

REMARKS.--Record is complete for the year except for the following period: Dec.5, 1990 to May 20, 1991; June 9-13, 1991 when the ditch was off. Structure was lowered 4-6 inches in spring resulting in submergence problem. Record is good for period before flume alteration. Record is fair for period of submergence. Records developed by Fred H. Renner.

RATING TABLE.--4' SUBMERGENCE TABLE USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	6.4	9.7	0.0	0.0	0.0	0.0	0.0	20	9.7	17	21
2	0.0	9.7	9.1	0.0	0.0	0.0	0.0	0.0	20	9.5	19	25
3	0.0	18	9.3	0.0	0.0	0.0	0.0	0.0	20	12	22	22
4	0.0	19	0.10	0.0	0.0	0.0	0.0	0.0	20	13	27	14
5	0.0	16	0.0	0.0	0.0	0.0	0.0	0.0	5.5	13	15	14
6	0.0	13	0.0	0.0	0.0	0.0	0.0	0.0	6.8	10	12	15
7	0.0	11	0.0	0.0	0.0	0.0	0.0	0.0	2.0	13	24	15
8	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.9	18	14
9	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	18	14
10	2.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	21	17
11	12	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	20	19
12	11	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	20	16
13	9.7	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	25	15
14	8.9	17	0.0	0.0	0.0	0.0	0.0	0.0	1.6	9.0	12	14
15	8.1	17	0.0	0.0	0.0	0.0	0.0	0.0	16	8.0	11	18
16	7.7	18	0.0	0.0	0.0	0.0	0.0	0.0	19	12	11	20
17	15	17	0.0	0.0	0.0	0.0	0.0	0.0	17	10	9.8	19
18	20	17	0.0	0.0	0.0	0.0	0.0	0.0	16	10	10	17
19	7.5	17	0.0	0.0	0.0	0.0	0.0	0.0	18	9.0	12	12
20	12	18	0.0	0.0	0.0	0.0	0.0	0.0	15	10	14	7.4
21	14	18	0.0	0.0	0.0	0.0	0.0	14	15	11	11	4.9
22	11	19	0.0	0.0	0.0	0.0	0.0	22	16	11	9.6	6.2
23	8.5	20	0.0	0.0	0.0	0.0	0.0	21	16	22	16	8.1
24	8.9	21	0.0	0.0	0.0	0.0	0.0	25	15	8.4	17	16
25	8.7	23	0.0	0.0	0.0	0.0	0.0	17	18	18	20	15
26	8.5	25	0.0	0.0	0.0	0.0	0.0	16	19	28	23	10
27	9.1	22	0.0	0.0	0.0	0.0	0.0	17	10	21	23	14
28	8.1	9.9	0.0	0.0	0.0	0.0	0.0	20	8.0	20	23	11
29	7.2	10	0.0	0.0	---	0.0	0.0	21	6.3	19	19	11
30	7.2	9.7	0.0	0.0	---	0.0	0.0	23	6.3	18	19	12
31	7.0	---	0.0	0.0	---	0.0	---	22	---	20	19	---
TOTAL	212.3	439.2	28.20	0.0	0.0	0.0	0.0	218	327.5	404.5	537.4	436.6
MEAN	6.85	14.6	0.91	0.0	0.0	0.0	0.0	7.03	10.9	13.0	17.3	14.6
AC-FT	421	871	56	0.0	0.0	0.0	0.0	432	650	802	1070	866
MAX	20	25	9.7	0.0	0.0	0.0	0.0	25	20	28	27	25
MIN	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	9.6	4.9
CAL YR 1990 TOTAL		2509.43	MEAN	6.88	MAX	25	MIN	0.00	AC-FT	4980		
WTR YR 1991 TOTAL		2603.70	MEAN	7.13	MAX	28	MIN	0.00	AC-FT	5160		

NO PEAK DATA AVAILABLE

REPUBLICAN RIVER BASIN

HALE DITCH BELOW BONNY RESERVOIR NEAR HALE, CO

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

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

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

RATING TABLE.--HLDBBRC001 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	7.8
2	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.4	7.8
3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.4	7.8
4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.4	7.8
5	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.8	7.8
6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.0	7.6
7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.0	7.6
8	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.1	7.6
9	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.1	7.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.1	7.6
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.1	7.5
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.1	7.6
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.0	7.6
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.1	7.5
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.1	7.6
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	8.1	7.4
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.1	7.5
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.1	7.6
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.1	7.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.0	0.58
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.0	3.7
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	8.0	4.9
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	8.0	4.9
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	8.0	4.9
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	8.0	4.9
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	8.0	7.9	4.9
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	7.4	8.0	4.8
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	7.7	7.8	---
TOTAL	45.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	390.8	246.2	178.28
MEAN	1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	7.94	5.94
AC-FT	91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	775	488	354
MAX	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.1	7.8
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0

CAL YR 1990 TOTAL 1238.04 MEAN 3.39 MAX 20 MIN 0.00 AC-FT 2460
WTR YR 1991 TOTAL 861.22 MEAN 2.36 MAX 17 MIN 0.00 AC-FT 1710

NO PEAK DATA AVAILABLE

ARKANSAS RIVER BASIN

07084500 LAKE CREEK ABOVE TWIN LAKES RESERVOIR. CO

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

DRAINAGE AREA.--75 mi².

GAGE.--Water-stage recorder and satellite telemetry. Elevation of gage is 9,310 ft, from topographic map. Prior to May 20, 1950, at site 190 ft downstream, at different datum. May 20, 1950, to Apr, 7, 1953, at site 10 ft upstream, at present datum.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 12, 1990 to Apr. 10,1991 when the station was closed for the winter; Nov. 4-11, 1990 when float was frozen in ice. Stage-discharge relation was ice affected on Nov. 3,1990 and Apr. 11-15, 1991. Record good except for periods of no gage-height record and ice affect, which is poor. Station maintained and records developed by L.R. Schultz.

RATING TABLE.--LAKATLCO18 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	27	16	14	9.8	9.2	10	16	516	566	107	60
2	35	27	16	15	9.8	9.2	10	17	452	512	108	81
3	40	26	16	51	9.8	9.4	10	17	392	481	116	54
4	37	26	15	32	9.7	9.6	10	17	388	456	134	38
5	40	25	16	13	9.8	9.8	11	17	495	433	117	37
6	37	24	16	12	10	9.6	12	18	578	407	110	37
7	37	23	16	12	9.6	9.6	13	20	597	372	110	38
8	40	21	33	11	9.8	9.6	15	25	736	422	99	42
9	35	21	61	11	9.8	9.8	17	52	862	417	93	39
10	43	22	17	11	9.6	9.8	16	99	918	370	88	38
11	77	32	18	11	9.6	9.8	16	76	1020	325	82	38
12	60	65	18	11	9.4	9.8	17	105	1040	283	86	42
13	36	55	19	11	9.4	9.8	18	179	1020	226	83	45
14	34	20	19	11	9.2	9.8	19	200	1020	220	89	75
15	33	20	18	11	9.2	9.6	21	209	1020	205	77	65
16	33	21	17	10	9.0	9.4	23	186	921	198	74	64
17	31	21	16	10	9.0	9.2	19	169	910	222	57	53
18	32	21	16	10	8.8	9.2	31	155	902	216	58	39
19	34	21	16	10	8.8	9.2	46	258	816	194	57	37
20	31	69	16	10	8.6	9.0	18	371	838	182	75	36
21	30	37	16	10	8.8	9.2	18	445	862	173	70	60
22	29	20	16	10	8.8	9.2	21	550	854	191	51	57
23	31	20	15	10	9.0	9.2	41	534	810	188	48	33
24	31	19	15	9.8	9.0	9.4	27	447	748	186	46	46
25	29	19	15	9.8	9.2	9.6	23	426	686	194	53	32
26	29	19	14	9.6	9.2	9.6	18	515	596	163	66	44
27	28	38	14	9.6	9.2	9.8	19	577	480	147	60	41
28	28	68	14	9.8	9.2	10	19	687	579	133	54	42
29	27	18	14	9.6	---	10	19	649	646	124	44	39
30	26	17	14	9.8	---	9.8	17	657	624	116	42	29
31	26	---	14	9.8	---	9.8	---	627	---	111	41	---
TOTAL	1095	862	556	394.8	261.1	296.0	574	8320	22326	8433	2395	1381
MEAN	35.3	28.7	17.9	12.7	9.32	9.55	19.1	268	744	272	77.3	46.0
AC-FT	2170	1710	1100	783	518	587	1140	16500	44280	16730	4750	2740
MAX	77	69	61	51	10	10	46	687	1040	566	134	81
MIN	26	17	14	9.6	8.6	9.0	10	16	388	111	41	29
CAL YR 1990 TOTAL		51659.5	MEAN	142	MAX	1540	MIN	7.2	AC-FT	102500		
WTR YR 1991 TOTAL		46893.9	MEAN	128	MAX	1040	MIN	8.6	AC-FT	93010		
MAX DISCH		1534 CFS	AT 1930	11-JUN-1991	GH	5.08 FT.	SHIFT	0.39 FT.	MAX GH		5.08 FT.	AT 1930
11-JUN-1991												

ARKANSAS RIVER BASIN

07086000 ARKANSAS RIVER AT GRANITE, CO

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

DRAINAGE AREA.--427 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Dec. 14-18, 1990, and Mar. 3-11, 1991 when the clock was stopped; Dec. 21-16, 1990, and Jan. 9-11, 1991, when the well was frozen. Stage-discharge relationship was affected by ice Nov. 8-15, 22-30, Dec. 1-13, 19, 20, 27-31, 1990, and Jan. 1-3, 24, 1991. Record good except for periods of no gage-height and ice effect which is poor. Station maintained and records developed by L.R. Schultz.

RATING TABLE.--ARKGRNC010 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	117	97	187	281	269	216	289	1010	840	476	155
2	123	123	100	220	281	199	220	281	942	774	506	155
3	139	125	103	235	277	187	220	293	832	725	512	145
4	125	121	103	227	281	118	223	301	636	655	548	142
5	121	125	102	227	281	80	289	289	648	560	467	127
6	112	121	104	227	289	81	385	293	840	465	435	102
7	110	123	103	223	289	125	390	297	1070	465	488	110
8	135	119	102	223	293	195	385	338	1110	536	440	104
9	135	121	101	250	293	193	361	476	1250	669	405	106
10	147	120	101	262	297	192	361	542	1500	690	395	104
11	149	118	103	270	293	194	356	560	1630	593	392	106
12	139	119	102	273	297	196	352	536	1740	488	319	111
13	125	118	100	277	301	196	348	566	1710	450	248	114
14	121	119	99	277	293	203	352	662	1640	435	238	108
15	121	118	98	281	293	213	348	655	1690	410	232	110
16	123	117	97	277	297	213	352	596	1690	395	223	108
17	123	117	96	277	297	216	375	542	1530	425	206	104
18	119	117	95	277	289	220	385	435	1460	440	203	93
19	127	112	125	277	297	223	343	494	1380	455	203	95
20	139	117	144	277	297	223	317	648	1250	470	203	97
21	132	110	144	277	297	223	325	781	1200	476	201	94
22	127	104	144	273	297	223	313	870	1260	506	194	91
23	144	102	144	277	301	223	317	1010	1200	530	181	91
24	142	100	144	277	297	216	325	950	1030	488	164	92
25	142	98	144	277	289	213	343	746	950	506	166	92
26	135	96	174	277	297	213	338	760	934	460	169	97
27	130	98	194	277	301	213	321	918	788	430	171	98
28	125	106	193	277	297	213	313	1150	676	385	177	95
29	121	102	188	281	---	216	313	1180	753	390	174	93
30	121	98	188	277	---	216	309	1200	878	420	166	94
31	117	---	188	277	---	216	---	1170	---	440	160	---
TOTAL	3983	3401	3920	8091	8192	6121	9795	19828	35227	15971	9062	3233
MEAN	128	113	126	261	293	197	327	640	1174	515	292	108
AC-FT	7900	6750	7780	16050	16250	12140	19430	39330	69870	31680	17970	6410
MAX	149	125	194	281	301	269	390	1200	1740	840	548	155
MIN	110	96	95	187	277	80	216	281	636	385	160	91
CAL YR 1990 TOTAL		110330	MEAN	302	MAX	2240	MIN	70	AC-FT	218800		
WTR YR 1991 TOTAL		126824	MEAN	347	MAX	1740	MIN	80	AC-FT	251600		
MAX DISCH		1830 CFS AT 0800	13-JUN-1991	GH		4.85 FT.	SHIFT		-0.05 FT.	MAX GH		4.85 FT. AT 0800
13-JUN-1991												

ARKANSAS RIVER BASIN

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO

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

DRAINAGE AREA.--67.1 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 29, 1990 to Apr. 1, 1991 when the station was closed for the winter. Stage-discharge relationship was ice affected on Nov. 8-9, 12-13, 20-25, 27-28, 1990 and Apr. 9, 13-14, 27-28. Record good except for periods of no gage-height record and ice effect, which is poor. Station maintained and records developed by L.R. Schultz.

RATING TABLE.--CCACCRC013 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	29	18	14	10	10	14	7.0	170	173	62	36
2	43	29	18	15	10	11	14	15	149	162	64	35
3	46	28	17	15	10	11	12	11	129	151	68	34
4	41	25	16	14	11	11	11	7.9	116	145	85	32
5	36	29	16	14	11	11	14	7.9	151	138	71	31
6	34	26	17	13	11	10	16	9.8	192	127	66	31
7	38	25	16	13	11	9.6	18	12	183	124	85	32
8	40	24	15	12	12	9.0	15	16	231	153	70	40
9	34	24	15	12	12	9.2	13	29	272	145	64	40
10	34	25	15	11	12	9.3	13	46	272	129	61	37
11	34	23	15	11	12	9.5	11	59	325	118	58	37
12	32	23	16	11	11	10	9.8	64	345	110	56	42
13	31	23	16	12	11	9.6	9.8	65	295	103	64	42
14	31	23	15	12	11	10	9.8	73	280	96	62	41
15	30	24	15	12	11	10	8.9	81	325	91	55	43
16	30	23	14	12	10	10	8.9	65	302	87	53	43
17	30	23	14	11	10	9.6	9.8	56	276	89	50	40
18	29	23	14	11	10	9.2	11	76	285	91	47	37
19	32	22	13	11	9.0	9.0	9.8	124	264	85	48	35
20	32	21	13	10	9.0	9.4	9.8	129	260	80	47	32
21	29	20	12	10	9.0	9.6	11	124	260	82	44	31
22	28	19	12	10	9.0	9.6	9.8	156	256	94	42	30
23	30	20	12	9.0	9.0	10	13	166	233	104	40	29
24	31	21	12	10	9.0	11	12	138	230	94	38	29
25	32	21	13	9.0	9.0	12	12	124	205	114	46	28
26	30	20	13	10	9.3	14	11	167	191	94	46	27
27	29	19	13	11	9.5	14	7.9	183	159	83	46	28
28	29	18	13	11	9.8	13	7.9	216	176	75	42	28
29	29	17	14	11	---	12	8.9	202	199	70	41	28
30	29	17	14	11	---	13	7.0	207	192	66	40	26
31	28	---	14	10	---	13	---	202	---	66	38	---
TOTAL	1021	684	450	358.0	287.6	328.6	339.1	2838.6	6923	3339	1699	1024
MEAN	32.9	22.8	14.5	11.5	10.3	10.6	11.3	91.6	231	108	54.8	34.1
AC-FT	2030	1360	893	710	570	652	673	5630	13730	6620	3370	2030
MAX	46	29	18	15	12	14	18	216	345	173	85	43
MIN	28	17	12	9.0	9.0	9.0	7.0	7.0	116	66	38	26
CAL YR 1990 TOTAL	22520.5	MEAN	61.7	MAX	716	MIN	9	AC-FT	44670			
WTR YR 1991 TOTAL	19291.9	MEAN	52.9	MAX	345	MIN	7.0	AC-FT	38270			
MAX DISCH	489 CFS	AT 2330	11-JUN-1991	GH	4.56 FT.	SHIFT	0.01 FT.	MAX GH	4.56 FT.	AT 2330		
11-JUN-1991												

ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO

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

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder. Datum of gage is 7,050.45 ft.

REMARKS.--Record good. Record is complete and reliable except for the following periods; Dec. 22, 1990 to Jan. 1, 1991, Jan. 3, 1991, when stage-discharge relation was affected by ice; Mar. 6-8, 1991 when gage intakes were isolated from stream. June 24, 1991 when float was hung up. Station maintained and records developed by L. R. Schultz.

RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	335	347	278	380	424	417	329	508	1160	1080	623	300
2	341	365	278	378	424	372	341	493	1070	960	672	294
3	355	378	240	380	410	341	335	538	980	940	706	288
4	347	353	256	400	417	335	329	552	848	884	758	283
5	335	360	266	391	424	266	341	545	812	857	723	278
6	329	372	270	398	424	220	472	522	960	723	639	266
7	322	359	256	398	424	210	508	508	1150	689	714	261
8	341	359	266	384	424	240	508	508	1280	749	706	266
9	341	372	261	391	430	317	472	568	1480	857	655	266
10	350	378	257	430	430	323	465	647	1810	866	639	266
11	372	378	266	437	424	329	451	655	2040	848	615	278
12	365	391	272	444	424	323	437	698	2300	740	607	266
13	347	444	283	437	424	323	424	698	2470	680	515	283
14	341	437	278	437	430	323	424	812	2090	672	500	294
15	335	444	260	451	424	329	417	812	2100	698	458	283
16	323	378	278	444	430	341	430	776	2340	664	430	278
17	327	372	283	444	424	341	444	689	2060	664	404	266
18	323	365	272	444	417	335	465	647	1890	698	378	256
19	323	365	280	430	410	341	458	639	1810	714	365	253
20	359	356	294	417	417	341	404	911	1700	714	359	250
21	372	347	311	430	417	341	404	990	1690	706	353	240
22	365	323	310	417	417	335	398	1060	1700	732	347	230
23	391	309	320	410	417	335	404	1210	1690	740	341	225
24	391	311	330	404	424	335	404	1150	1500	706	317	220
25	391	317	340	417	417	335	384	960	1300	740	305	220
26	384	322	370	410	417	329	398	1010	1250	714	305	215
27	372	323	390	417	417	329	378	1150	1130	639	305	215
28	365	288	400	417	410	323	365	1300	990	615	305	215
29	359	272	400	430	---	323	365	1400	960	599	305	215
30	353	272	395	417	---	317	372	1360	1060	615	311	210
31	353	---	383	410	---	323	---	1360	---	639	300	---
TOTAL	10907	10657	9343	12894	11791	9992	12326	25676	45620	23142	14960	7680
MEAN	352	355	301	416	421	322	411	828	1521	747	483	256
AC-FT	21630	21140	18530	25580	23390	19820	24450	50930	90490	45900	29670	15230
MAX	391	444	400	451	430	417	508	1400	2470	1080	758	300
MIN	322	272	240	378	410	210	329	493	812	599	300	210
CAL YR 1990 TOTAL		185897	MEAN	509	MAX	3730	MIN	168	AC-FT	368700		
WTR YR 1991 TOTAL		194988	MEAN	534	MAX	2470	MIN	210	AC-FT	386800		
MAX DISCH		2760 CFS AT 1430	13-JUN-1991	GH		3.07 FT.	SHIFT		0.18 FT.	MAX GH		3.07 FT. AT 1430
13-JUN-1991												

ARKANSAS RIVER BASIN

07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO

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

DRAINAGE AREA.--1,485 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,883.4 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

REMARKS.--Record is complete and reliable except for the following periods: Dec. 20-22, 1990, when stage-discharge relationship was affected by ice; Dec. 23, 1990 to Jan. 4, 1991, when orifice was frozen in ice. Record good except for period of ice effect and period when the orifice was plugged, which is poor. Station maintained and records developed by L.R. Schultz.

RATING TABLE.--ARKWELCO05 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	388	430	405	535	496	480	359	534	1470	1290	674	358
2	389	463	401	540	497	433	375	529	1330	1120	714	352
3	412	487	356	525	502	389	375	570	1180	1090	765	349
4	398	452	360	510	491	384	370	608	983	1000	870	339
5	381	460	389	529	492	323	375	597	915	967	827	337
6	373	481	389	488	496	285	508	556	1120	823	695	322
7	372	492	367	471	498	271	562	538	1420	782	801	311
8	399	487	377	478	498	310	561	535	1570	840	794	328
9	400	494	382	467	496	376	528	637	1720	997	728	331
10	384	500	382	507	496	381	508	725	1990	1000	698	332
11	408	502	382	532	492	388	500	743	2140	981	694	339
12	417	493	375	533	490	387	482	775	2290	854	681	331
13	400	534	393	530	491	378	472	768	2390	770	586	352
14	395	548	393	532	492	379	460	880	2180	750	571	359
15	391	546	346	522	496	382	459	887	2190	782	528	342
16	386	483	374	523	503	396	461	835	2290	739	495	336
17	388	470	384	514	505	396	475	729	2140	727	475	326
18	385	467	367	513	502	389	494	660	2020	777	448	318
19	389	460	366	522	488	389	490	658	1940	786	437	313
20	433	457	375	518	486	387	445	1010	1820	782	436	305
21	469	452	290	519	488	386	427	1190	1800	776	425	299
22	457	424	250	482	487	377	424	1280	1870	805	415	287
23	479	419	280	501	488	380	424	1480	1850	832	410	281
24	482	430	310	488	492	381	427	1430	1680	784	387	277
25	472	433	340	503	485	379	412	1120	1520	824	368	274
26	460	437	370	498	477	374	418	1210	1470	805	371	268
27	452	440	420	497	478	369	405	1400	1330	729	377	272
28	442	412	460	491	478	359	391	1580	1120	678	378	268
29	440	382	480	505	---	357	386	1670	1090	659	380	266
30	436	386	490	496	---	354	385	1630	1230	661	373	263
31	427	---	505	497	---	354	---	1670	---	690	360	---
TOTAL	12904	13921	11758	15766	13780	11573	13358	29434	50058	26100	17161	9435
MEAN	416	464	379	509	492	373	445	949	1669	842	554	315
AC-FT	25600	27610	23320	31270	27330	22960	26500	58380	99290	51770	34040	18710
MAX	482	548	505	540	505	480	562	1670	2390	1290	870	359
MIN	372	382	250	467	477	271	359	529	915	659	360	263
CAL YR 1990 TOTAL	205360		MEAN	563	MAX	3550	MIN	176	AC-FT	407300		
WTR YR 1991 TOTAL	225248		MEAN	617	MAX	2390	MIN	250	AC-FT	446800		
MAX DISCH	2547 CFS AT 1530		13-JUN-1991	GH	6.28 FT. SHIFT		-0.01 FT. MAX GH		6.28 FT. AT 1530			
13-JUN-1991												

ARKANSAS RIVER BASIN

07095000 GRAPE CREEK NEAR WESTCLIFFE, CO

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

DRAINAGE AREA.--320 mi².

GAGE.--Water-stage recorder. Elevation of gage is 7,690 ft, from topographic map. Prior to Mar. 17, 1939, at site 30 ft upstream at present datum.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 21-31; Nov. 4-24, 27; Dec. 27, 29 1990 to Feb. 21, Feb. 25, to Mar. 7, 1991 when clock stopped; June 25 to July 15, 1991 when clock was not started; Dec. 28, 1990 when float was frozen in ice; Nov. 3, 25, 1990 when stage-discharge relation was ice affected. Record good except for periods of no gage-height or ice affected record, which is poor. Station maintained and records developed by L.R. Schultz.

RATING TABLE.--GRAWESCO07 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	36	30	16	13	27	40	18	16	6.0	64	26
2	39	38	29	15	14	28	44	15	25	8.3	58	24
3	44	36	27	15	16	27	41	12	19	9.0	89	25
4	39	35	26	15	18	27	40	12	12	10	222	24
5	37	34	25	14	19	28	40	14	11	10	252	24
6	34	33	25	14	20	28	40	14	18	9.0	180	24
7	35	32	24	14	20	28	40	12	27	8.0	144	26
8	58	31	24	13	22	28	37	12	28	9.0	110	24
9	61	31	23	14	22	28	32	11	30	30	94	20
10	72	32	25	14	22	31	32	11	36	20	101	21
11	56	33	25	14	23	34	28	11	49	30	94	21
12	43	33	24	14	24	31	28	11	47	60	94	22
13	37	34	23	14	25	31	27	11	50	80	99	24
14	31	34	22	14	25	31	25	12	94	50	149	22
15	29	35	20	13	27	32	22	11	84	40	96	21
16	28	35	19	13	27	32	20	9.8	63	31	81	21
17	24	36	18	13	27	31	18	9.8	56	29	71	19
18	22	36	18	12	28	35	16	7.4	45	24	68	18
19	31	37	17	12	28	35	16	6.9	40	20	85	18
20	52	37	17	12	28	31	16	19	39	15	79	18
21	40	38	17	13	30	30	16	44	24	15	72	17
22	39	38	16	13	27	32	16	41	22	32	65	15
23	39	39	16	13	28	34	20	39	21	126	59	14
24	38	38	16	12	27	35	32	38	17	236	52	15
25	38	38	16	12	26	32	22	37	18	225	47	14
26	37	39	16	12	26	31	18	36	16	123	43	14
27	37	39	16	12	27	30	15	34	14	125	40	14
28	36	38	15	12	27	31	21	25	12	101	36	15
29	36	35	15	11	---	30	28	18	10	82	31	15
30	36	33	15	11	---	32	24	17	8.0	70	31	14
31	36	---	16	11	---	40	---	15	---	60	27	---
TOTAL	1227	1063	635	407	666	960	814	583.9	951.0	1693.3	2733	589
MEAN	39.6	35.4	20.5	13.1	23.8	31.0	27.1	18.8	31.7	54.6	88.2	19.6
AC-FT	2430	2110	1260	807	1320	1900	1610	1160	1890	3360	5420	1170
MAX	72	39	30	16	30	40	44	44	94	236	252	26
MIN	22	31	15	11	13	27	15	6.9	8.0	6.0	27	14
CAL YR 1990 TOTAL		13809.0	MEAN	38.7	MAX	637	MIN	2.5	AC-FT	27390		
WTR YR 1991 TOTAL		12322.2	MEAN	33.8	MAX	252	MIN	6.0	AC-FT	24440		
MAX DISCH		394 CFS	AT 2300	24-JUL-1991	GH	2.58 FT.	SHIFT	-0.27 FT.	MAX GH	2.58 FT.	AT 2300	

ARKANSAS RIVER BASIN

07096000 ARKANSAS RIVER AT CANON CITY, CO

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

DRAINAGE AREA.--3,117 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,342.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 29-31, 1990 when the float was frozen; Dec. 21-28, 1990 and Jan. 1-6, 1991 when stage-discharge relation was affected by ice. Record good except for periods of missing record and for periods of ice effect, which is poor. Station maintained and records developed by L.R. Schultz.

RATING TABLE.--ARKCANCO21 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	375	408	406	580	521	508	348	330	1390	1150	643	308
2	328	410	409	570	527	515	358	440	1290	1050	653	306
3	375	506	398	560	538	435	344	447	1160	974	717	305
4	375	448	364	640	541	421	326	496	984	911	891	311
5	351	436	410	670	536	437	312	522	822	858	953	301
6	334	484	432	640	543	359	354	463	920	768	844	292
7	318	492	404	608	552	333	481	406	1250	663	844	273
8	351	487	406	550	552	311	497	400	1420	666	823	272
9	375	517	414	559	552	373	466	418	1490	856	796	280
10	351	539	412	549	531	408	428	546	1820	890	836	292
11	363	543	414	597	517	420	418	592	2040	880	798	294
12	375	534	415	596	497	419	407	588	2170	846	747	290
13	363	551	434	596	479	406	369	673	2460	680	744	284
14	345	592	438	625	478	408	363	710	2230	639	668	298
15	334	601	388	592	484	410	363	776	2140	640	656	294
16	318	586	394	578	493	420	345	743	2310	631	600	278
17	312	526	431	557	521	429	340	662	2190	605	557	279
18	306	528	406	556	531	422	351	568	1940	653	522	294
19	306	533	391	549	516	414	376	527	1880	695	519	304
20	375	539	373	551	517	414	345	755	1770	696	470	296
21	425	548	290	545	527	406	314	1060	1660	666	477	292
22	425	492	240	526	528	399	314	1110	1700	717	451	278
23	431	451	280	500	529	388	318	1290	1750	836	431	243
24	451	442	310	504	529	381	323	1400	1590	827	431	226
25	464	447	330	518	515	383	310	1110	1390	825	400	217
26	457	444	360	500	508	377	288	1040	1300	930	403	215
27	451	459	420	523	506	379	291	1200	1220	851	369	211
28	451	430	490	524	505	365	290	1400	1030	786	346	212
29	431	376	520	510	---	358	310	1480	947	741	330	211
30	425	379	540	484	---	367	285	1440	1050	649	322	211
31	412	---	560	517	---	345	---	1490	---	636	310	---
TOTAL	11753	14728	12479	17374	14573	12410	10634	25082	47313	24215	18551	8167
MEAN	379	491	403	560	520	400	354	809	1577	781	598	272
AC-FT	23310	29210	24750	34460	28910	24620	21090	49750	93850	48030	36800	16200
MAX	464	601	560	670	552	515	497	1490	2460	1150	953	311
MIN	306	376	240	484	478	311	285	330	822	605	310	211
CAL YR 1990 TOTAL		199477	MEAN	547	MAX	3580	MIN	192	AC-FT	395700		
WTR YR 1991 TOTAL		217279	MEAN	595	MAX	2460	MIN	211	AC-FT	431000		
MAX DISCH		2565 CFS	AT 2300	13-JUN-1991	GH	7.75 FT.	SHIFT	-0.20 FT.	MAX GH	7.75 FT.	AT 2300	
13-JUN-1991												

ARKANSAS RIVER BASIN

07097000 ARKANSAS RIVER AT PORTLAND, CO

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

DRAINAGE AREA.--4,024 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Dec. 20, 1990; record missing, float frozen in ice Dec. 21, 1990 to Jan 7, 1991. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, diversions upstream from station for irrigation. Record is good except for period of ice effect and missing data, which is poor. Station maintained and records developed by Frank P. Kipple.

RATING TABLE.--ARKPORCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	409	483	419	390	438	437	366	286	1660	1260	671	418
2	378	490	405	390	436	446	363	399	1540	1170	717	414
3	427	652	356	410	436	384	369	414	1400	1170	852	430
4	418	620	326	410	438	354	360	481	1200	1070	1030	369
5	409	605	366	405	425	359	320	543	1000	948	1110	343
6	391	641	387	415	431	301	286	482	1140	855	1050	319
7	382	661	355	410	443	264	422	419	1480	704	971	311
8	458	622	339	431	452	283	459	405	1660	749	945	301
9	484	634	347	427	454	387	459	386	1760	906	1170	313
10	460	648	343	425	438	430	418	499	2090	951	1100	332
11	445	659	344	472	431	441	416	566	2330	950	1020	340
12	454	649	351	514	430	430	416	555	2470	927	1790	331
13	496	650	360	489	433	440	383	637	2770	757	1180	319
14	521	689	365	514	430	442	365	653	2550	695	938	336
15	506	703	307	489	435	443	364	754	2350	667	890	331
16	470	707	298	484	444	453	346	748	2510	661	1030	358
17	468	635	345	470	445	463	336	674	2430	626	812	335
18	501	637	309	474	444	454	349	579	2170	658	797	338
19	479	637	264	470	434	445	368	519	2100	743	878	309
20	628	625	240	489	432	446	361	729	1990	770	791	306
21	624	574	230	465	446	446	328	1090	1840	719	728	303
22	582	512	230	466	450	435	318	1150	1870	744	673	290
23	510	459	250	432	448	432	316	1350	1900	977	614	268
24	531	455	270	460	449	436	327	1470	1760	978	598	263
25	531	450	290	460	438	421	309	1230	1580	1040	562	246
26	520	459	300	465	438	401	285	1090	1470	1230	549	248
27	525	477	320	484	436	403	279	1280	1410	937	512	238
28	525	455	340	455	438	384	273	1540	1190	836	491	229
29	504	394	360	450	---	377	279	1660	1060	772	471	220
30	484	396	370	460	---	385	270	1680	1170	700	466	224
31	483	---	380	450	---	373	---	1740	---	688	437	---
TOTAL	15003	17278	10166	14025	12292	12595	10510	26008	53850	26858	25843	9382
MEAN	484	576	328	452	439	406	350	839	1795	866	834	313
AC-FT	29760	34270	20160	27820	24380	24980	20850	51590	106800	53270	51260	18610
MAX	628	707	419	514	454	463	459	1740	2770	1260	1790	430
MIN	378	394	230	390	425	264	270	286	1000	626	437	220

CAL YR 1990 TOTAL 219041 MEAN 600 MAX 4040 MIN 131 AC-FT 434500
WTR YR 1991 TOTAL 233810 MEAN 641 MAX 2770 MIN 220 AC-FT 463800

MAX DISCH 7930 CFS AT 1930 12-AUG-1991 GH 8.81 FT. SHIFT 0.00 FT. MAX GH 8.81 FT. AT 1930
12-AUG-1991

ARKANSAS RIVER BASIN

07099400 ARKANSAS RIVER ABOVE PUEBLO, CO

LOCATION.--Lat 38°16'17", long 104°43'06", in NE¼NE¼ sec.36, T.20 S., R.66 W., Pueblo County, Hydrologic Unit 11020002, on left bank 450 ft downstream from headgate of West Pueblo ditch, 0.4 mi downstream from Pueblo Dam, and 7 mi west of Pueblo.

DRAINAGE AREA.--4,670 mi².

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

REMARKS.--Record is complete and reliable except for Nov. 14, 1990 when lower intake was plugged. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, diversions upstream from station for irrigation. Flow completely regulated by Pueblo Reservoir (station 07099350) since Jan. 9, 1974. Record is good except for period when intake was plugged, which is poor. Station maintained and records developed by Frank P. Kipple.

RATING TABLE.--ARKPUECO15 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	335	446	110	120	193	141	278	649	2030	1530	811	436
2	431	483	110	121	193	127	328	649	1730	1560	535	388
3	569	502	110	122	193	126	353	674	1380	1490	560	303
4	504	502	110	207	226	127	387	708	1160	1570	756	418
5	427	602	110	324	272	127	399	682	959	1550	809	486
6	411	702	109	324	272	126	350	550	841	1460	908	445
7	411	747	109	268	272	124	322	549	1040	1140	912	379
8	411	749	109	211	272	124	339	507	1200	1210	872	339
9	443	734	110	210	272	124	378	482	1380	1300	928	298
10	391	716	111	210	272	124	384	446	1820	1480	1130	292
11	388	715	112	210	272	124	383	312	2190	1650	1130	275
12	395	716	114	210	272	125	364	275	2440	1660	1210	266
13	395	762	114	210	260	97	354	306	2710	1350	1950	266
14	396	547	113	212	252	161	307	324	2780	1360	1970	255
15	458	103	114	213	237	367	301	375	2380	1380	1180	249
16	496	103	114	213	228	334	308	452	2200	1360	910	250
17	529	105	113	213	229	309	299	512	2230	1440	864	260
18	555	107	112	213	230	257	300	553	2220	1490	812	257
19	461	109	114	213	230	290	275	565	2040	1520	874	249
20	415	108	124	213	208	344	105	621	1830	1560	963	236
21	415	108	131	213	200	344	105	874	1680	1540	959	230
22	553	109	131	342	201	344	103	1030	1900	1520	824	220
23	572	110	129	559	166	344	94	1220	1970	1610	642	208
24	558	111	125	558	145	345	82	1730	1860	1660	567	212
25	570	109	124	364	144	364	80	1680	1710	1590	567	209
26	569	110	122	211	162	377	91	1210	1630	1550	522	216
27	569	110	121	210	172	369	228	1240	1720	1540	411	227
28	569	113	121	210	159	357	228	1480	1830	1470	482	235
29	498	111	120	199	---	333	255	1840	1620	1340	526	238
30	458	110	120	192	---	321	509	2070	1530	1300	505	238
31	448	---	120	193	---	280	---	2110	---	1290	492	---
TOTAL	14600	10659	3606	7488	6204	7456	8289	26675	54010	45470	26581	8580
MEAN	471	355	116	242	222	241	276	860	1800	1467	857	286
AC-FT	28960	21140	7150	14850	12310	14790	16440	52910	107100	90190	52720	17020
MAX	572	762	131	559	272	377	509	2110	2780	1660	1970	486
MIN	335	103	109	120	144	97	80	275	841	1140	411	208
CAL YR 1990 TOTAL	206251		MEAN	565	MAX	3710	MIN	103	AC-FT	409100		
WTR YR 1991 TOTAL	219618		MEAN	602	MAX	2780	MIN	80	AC-FT	435600		
MAX DISCH	2840 CFS AT 2200		13-JUN-1991 GH			5.12 FT. SHIFT		-0.01 FT. MAX GH		5.12 FT. AT 2200		
13-JUN-1991												

ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER NEAR NEPESTA, CO

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

DRAINAGE AREA.--9,345 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 2-6, 1990 when nitrogen for balancing manometer pressures ran out; Dec. 3-4, 15, 19 to Jan. 6, 1991 when stage-discharge relation was ice affected. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals, diversions for irrigation. Flow partly regulated by Pueblo Reservoir (station 07099350) since Jan. 9, 1974. Record is good except for periods of no gage-height record and ice affected record, which is poor. Station maintained and records developed by Frank P. Kipple.

RATING TABLE.--ARKNEPC010 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	386	469	92	114	345	170	292	250	1670	1310	1180	326
2	358	453	110	115	344	144	271	260	1730	1320	598	272
3	538	554	119	118	329	130	312	207	1460	1430	828	293
4	696	624	102	245	308	128	388	223	1130	1320	1700	1250
5	492	624	102	540	326	112	419	307	941	1470	1350	658
6	409	638	100	580	369	125	395	377	953	1310	1490	579
7	389	614	105	580	372	147	314	204	1840	1160	923	491
8	371	590	90	480	374	141	293	206	1570	930	729	403
9	432	607	96	445	402	146	334	151	1460	1070	873	338
10	488	577	94	440	422	156	380	110	1530	1160	1310	284
11	445	524	101	440	404	166	375	197	2000	1420	1090	275
12	450	500	100	445	386	164	352	253	2010	1750	919	275
13	470	520	109	450	398	158	311	228	1850	1530	1330	272
14	450	543	118	435	414	165	316	241	2130	1130	1980	240
15	447	415	115	425	406	205	264	228	2120	949	1530	205
16	515	196	113	410	391	356	252	255	1330	848	1180	207
17	499	182	102	413	386	394	244	326	1600	833	1300	206
18	515	176	106	396	373	383	254	367	1910	952	933	198
19	506	165	110	370	357	362	298	425	2010	978	1210	203
20	431	77	114	371	345	372	269	473	1990	1440	1360	176
21	449	52	124	356	315	402	160	552	1750	1480	1140	178
22	472	45	127	325	325	404	139	819	1640	1450	1000	175
23	628	43	125	479	323	376	128	870	1750	1570	805	172
24	595	38	125	593	297	348	176	1150	1660	1810	620	173
25	617	34	120	609	296	355	138	1770	1410	1760	576	160
26	630	33	118	446	320	355	120	1220	1260	1720	551	157
27	626	34	116	393	286	345	118	790	1160	1690	487	173
28	602	36	116	401	186	332	188	849	1400	1680	400	177
29	592	47	115	388	---	314	208	1210	1350	1400	324	181
30	521	89	112	342	---	297	216	1490	1200	1220	438	182
31	492	---	114	339	---	287	---	1710	---	1240	368	---
TOTAL	15511	9499	3410	12483	9799	7939	7924	17718	47814	41330	30522	8879
MEAN	500	317	110	403	350	256	264	572	1594	1333	985	296
AC-FT	30770	18840	6760	24760	19440	15750	15720	35140	94840	81980	60540	17610
MAX	696	638	127	609	422	404	419	1770	2130	1810	1980	1250
MIN	358	33	90	114	186	112	118	110	941	833	324	157

CAL YR 1990 TOTAL 198814 MEAN 545 MAX 2910 MIN 33 AC-FT 394300
WTR YR 1991 TOTAL 212828 MEAN 583 MAX 2130 MIN 33 AC-FT 422100

MAX DISCH 2680 CFS AT 0430 04-SEP-1991 GH 3.55 FT. SHIFT 0.07 FT. MAX GH 3.59 FT. AT 1215
04-AUG-1991

ARKANSAS RIVER BASIN

07119700 ARKANSAS RIVER AT CATLIN DAM, NEAR FOWLER, CO

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec.21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at Catlin Canal gage, on right bank 2.2 mi downstream from diversion dam for Catlin Canal, 2.3 mi downstream from Apishapa River, and 6.0 mi east of Fowler.

DRAINAGE AREA.--10,901 mi².

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

REMARKS.--Natural flow of stream affected by transmountain diversions, storage reservoirs, ground-water withdrawals, diversions for irrigation. Flow partly regulated by Pueblo Reservoir since Jan. 9, 1974. Record is complete and reliable except for the following period: Dec. 20, 1990 to Jan. 8, 1991 when stage-discharge relation was ice affected. Gage height record was affected by sand covering the orifice many times, and corrected accordingly. Record is rated fair, because of the large shift changes, datum corrections, and orifice sanded over. The record for period of ice affect is rated poor. Station maintained and records developed by Frank P. Kipple.

RATING TABLE.--ARKCATC005 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	299	417	146	200	340	142	94	67	1290	1030	809	79	
2	209	405	157	200	348	123	97	114	1360	1990	505	32	
3	242	508	153	250	366	102	122	107	1250	1160	257	54	
4	561	555	145	290	364	87	159	81	892	992	848	783	
5	450	551	137	340	357	52	161	100	684	967	880	437	
6	278	598	135	450	406	45	136	138	565	958	1040	324	
7	235	563	126	540	458	59	121	114	1210	843	722	316	
8	228	575	123	550	480	68	87	106	1070	640	501	199	
9	274	554	109	497	461	76	100	100	1070	900	419	154	
10	402	560	108	483	440	79	137	83	1200	903	832	155	
11	371	518	113	483	431	83	126	89	1550	1080	671	134	
12	319	491	118	461	428	69	126	116	1740	1370	612	161	
13	324	488	134	489	448	79	120	102	1520	1380	1050	115	
14	335	484	136	517	452	89	110	75	1710	969	1270	95	
15	323	461	129	519	466	118	104	97	1860	765	1120	60	
16	338	287	120	507	466	188	99	121	1050	624	983	56	
17	397	208	118	464	465	216	108	115	798	581	789	44	
18	380	187	111	467	430	195	102	141	1400	609	671	42	
19	472	177	120	488	434	164	106	132	1560	649	874	56	
20	518	162	120	476	411	149	120	167	1620	911	1110	47	
21	432	112	110	443	409	168	180	218	1410	824	1090	36	
22	464	98	110	365	388	175	141	347	1250	1070	770	34	
23	481	89	120	409	376	162	106	531	1370	914	617	57	
24	573	83	120	626	361	124	100	627	1310	1230	436	132	
25	508	82	140	625	298	68	122	1170	1100	1240	324	169	
26	524	82	140	550	254	145	96	960	903	1140	338	159	
27	529	83	160	363	238	142	92	526	818	1320	292	159	
28	555	97	150	359	215	133	68	406	883	1230	233	165	
29	532	107	150	354	---	119	39	631	1050	974	109	144	
30	510	122	180	331	---	155	66	1030	857	796	134	134	
31	425	---	195	337	---	138	---	1240	---	814	143	---	
TOTAL	12488	9704	4133	13433	10990	3712	3345	9851	36350	30873	20449	4532	
MEAN	403	323	133	433	393	120	112	318	1212	996	660	151	
AC-FT	24770	19250	8200	26640	21800	7360	6630	19540	72100	61240	40560	8990	
MAX	573	598	195	626	480	216	180	1240	1860	1990	1270	783	
MIN	209	82	108	200	215	45	39	67	565	581	109	32	
CAL YR 1990 TOTAL		166116	MEAN	455	MAX	3420	MIN	24	AC-FT	329500			
WTR YR 1991 TOTAL		159860	MEAN	438	MAX	1990	MIN	32	AC-FT	317100			
MAX DISCH		5540	CFS AT 1430	02-JUL-1991	GH	6.37	FT.	SHIFT	-0.23	FT.	MAX GH	6.37	FT. AT 1430
02-JUL-1991													

ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable and rated as good. Station maintained and records developed by Don Taylor and Frank P. Kipple.

RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	123	0.0	0.0	0.0	0.0	197	152	249	249	251	246
2	156	124	0.0	0.0	0.0	0.0	199	150	250	258	245	236
3	159	125	0.0	0.0	0.0	0.0	189	148	249	300	264	190
4	159	124	0.0	0.0	0.0	0.0	193	149	248	301	294	212
5	155	124	0.0	0.0	0.0	0.0	228	152	248	269	306	249
6	156	124	0.0	0.0	0.0	0.0	266	204	250	249	317	249
7	156	124	0.0	0.0	0.0	0.0	270	169	252	250	275	248
8	156	125	0.0	0.0	0.0	0.0	245	95	250	275	249	250
9	159	124	0.0	0.0	0.0	0.0	209	91	251	270	248	232
10	153	124	0.0	0.0	0.0	0.0	204	22	252	250	271	198
11	134	123	0.0	0.0	0.0	0.0	212	2.1	318	249	266	194
12	123	123	0.0	0.0	0.0	0.0	219	76	348	249	249	184
13	124	121	0.0	0.0	0.0	0.0	218	154	348	247	259	181
14	124	117	0.0	0.0	0.0	0.0	214	150	351	246	296	181
15	124	41	0.0	0.0	0.0	0.0	210	140	351	246	294	182
16	124	0.0	0.0	0.0	0.0	101	169	117	339	248	295	182
17	125	0.0	0.0	0.0	0.0	172	160	210	336	246	294	183
18	125	0.0	0.0	0.0	0.0	234	163	251	327	248	258	185
19	124	0.0	0.0	0.0	0.0	223	164	249	321	248	250	185
20	124	0.0	0.0	0.0	0.0	203	164	248	339	248	248	181
21	121	0.0	0.0	0.0	0.0	187	59	247	329	244	250	182
22	124	0.0	0.0	0.0	0.0	194	2.8	247	266	247	250	168
23	124	0.0	0.0	0.0	0.0	195	1.0	247	248	245	250	123
24	124	0.0	0.0	0.0	0.0	214	0.0	254	247	249	251	36
25	123	0.0	0.0	0.0	0.0	250	82	257	247	247	252	0.0
26	122	0.0	0.0	0.0	0.0	260	13	330	247	247	254	0.0
27	124	0.0	0.0	0.0	0.0	291	3.1	251	247	248	251	0.0
28	123	0.0	0.0	0.0	0.0	281	70	251	248	247	249	0.0
29	123	0.0	0.0	0.0	---	293	154	255	249	243	247	46
30	124	0.0	0.0	0.0	---	215	154	252	247	241	251	60
31	123	---	0.0	0.0	---	197	---	249	---	246	245	---
TOTAL	4171	1766	0.0	0.0	0.0	3510	4631.9	5769.1	8452	7850	8179	4763
MEAN	135	58.9	0.0	0.0	0.0	113	154	186	282	253	264	159
AC-FT	8270	3500	0.0	0.0	0.0	6960	9190	11440	16760	15570	16220	9450
MAX	159	125	0.0	0.0	0.0	293	270	330	351	301	317	250
MIN	121	0.0	0.0	0.0	0.0	0.0	0.0	2.1	247	241	245	0.0

CAL YR 1990 TOTAL 48073.3 MEAN 132 MAX 331 MIN 0.00 AC-FT 95350
WTR YR 1991 TOTAL 49092.0 MEAN 134 MAX 351 MIN 0.00 AC-FT 97370

NO PEAK DATA AVAILABLE

ARKANSAS RIVER BASIN

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

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

DRAINAGE AREA.--10,901 mi².

REMARKS.--Record is a compilation of Catlin Dam (ARKCATCO) and Catlin Canal (CATCANCO) records developed by Frank P. Kipple.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	455	540	146	200	340	142	291	219	1540	1280	1060	325
2	365	529	157	200	348	123	296	264	1610	2250	750	268
3	401	633	153	250	366	102	311	255	1500	1460	521	244
4	720	679	145	290	364	87	352	230	1140	1290	1140	995
5	605	675	137	340	357	52	389	252	932	1240	1190	686
6	434	722	135	450	406	45	402	342	815	1210	1360	573
7	391	687	126	540	458	59	391	283	1460	1090	997	564
8	384	700	123	550	480	68	332	201	1320	915	750	449
9	433	678	109	497	461	76	309	191	1320	1170	667	386
10	555	684	108	483	440	79	341	105	1450	1150	1100	353
11	505	641	113	483	431	83	338	91	1870	1330	937	328
12	442	614	118	461	428	69	345	192	2090	1620	861	345
13	448	609	134	489	448	79	338	256	1870	1630	1310	296
14	459	601	136	517	452	89	324	225	2060	1220	1570	276
15	447	502	129	519	466	118	314	237	2210	1010	1410	242
16	462	287	120	507	466	289	268	238	1390	872	1280	238
17	522	208	118	464	465	388	268	325	1130	827	1080	227
18	505	187	111	467	430	429	265	392	1730	857	929	227
19	596	177	120	488	434	387	270	381	1880	897	1120	241
20	642	162	120	476	411	352	284	415	1960	1160	1360	228
21	553	112	110	443	409	355	239	465	1740	1070	1340	218
22	588	98	110	365	388	369	144	594	1520	1320	1020	202
23	605	89	120	409	376	357	107	778	1620	1160	867	180
24	697	83	120	626	361	338	100	881	1560	1480	687	168
25	631	82	140	625	298	318	204	1430	1350	1490	576	169
26	646	82	140	550	254	405	109	1290	1150	1390	592	159
27	653	83	160	363	238	433	95	777	1060	1570	543	159
28	678	97	150	359	215	414	138	657	1130	1480	482	165
29	655	107	150	354	---	412	193	886	1300	1220	356	190
30	634	122	180	331	---	370	220	1280	1100	1040	385	194
31	548	---	195	337	---	335	---	1490	---	1060	388	---
TOTAL	16659	11470	4133	13433	10990	7222	7977	15622	44807	38758	28628	9295
MEAN	537	382	133	433	393	233	266	504	1494	1250	923	310
AC-FT	33040	22750	8200	26640	21800	14320	15820	30990	88870	76880	56780	18440
MAX	720	722	195	626	480	433	402	1490	2210	2250	1570	995
MIN	365	82	108	200	215	45	95	91	815	827	356	159

CAL YR 1990 TOTAL 214189.3 MEAN 587 MAX MIN AC-FT 424800
WTR YR 1991 TOTAL 208994 MEAN 573 MAX 2250 MIN 45 AC-FT 414500

NO PEAK DATA AVAILABLE

ARKANSAS RIVER BASIN

07123000 ARKANSAS RIVER AT LA JUNTA, CO

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

DRAINAGE AREA.--12,210 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Dec. 20-22, 1990 when clock stopped and orifice iced up; Dec. 28-30, 1990 Jan. 2-4, 9-15, 26-28, 1991 when orifice was freezing over; Dec. 31, 1990 Jan. 1, 5-8, 1991 when orifice was frozen shut; Dec. 19, 23-27, 1990 Jan. 2-4, 1991 when stage-discharge relation was affected by ice. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, groundwater withdrawals and diversions for irrigation. Station maintained and records developed by William F. Howland.

RATING TABLE.--ARKLAJCO36 USED FROM 01-OCT-1990 TO 30-FEB-1991

RATING TABLE.--ARKLAJCO37 USED FROM 01-MAR-1991 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	393	57	110	90	203	219	51	44	630	455	287	155
2	318	43	109	85	199	182	64	31	606	719	283	122
3	244	44	90	80	141	169	49	36	716	1100	322	135
4	266	52	89	80	113	158	36	44	604	655	329	145
5	442	38	110	90	110	140	45	35	603	535	358	414
6	397	24	109	90	110	123	64	37	621	707	135	429
7	287	27	97	90	130	113	63	34	607	605	232	392
8	250	28	105	90	140	101	53	32	663	848	452	372
9	250	29	117	100	137	92	53	37	614	443	433	275
10	316	26	114	110	146	94	43	30	597	424	227	226
11	398	25	113	115	156	94	47	23	671	250	109	187
12	348	25	112	120	159	98	55	23	890	431	263	151
13	308	26	108	120	162	99	47	49	769	634	416	152
14	310	37	104	120	265	88	51	38	700	596	399	126
15	320	462	99	82	312	61	43	29	914	393	586	116
16	307	224	102	75	314	36	48	31	843	243	482	139
17	328	173	107	72	301	32	45	35	580	105	521	119
18	405	150	87	72	322	25	37	49	594	64	424	95
19	421	135	100	72	314	31	48	43	647	95	370	89
20	446	127	80	66	313	58	39	61	739	150	479	93
21	487	117	52	68	305	32	38	89	764	442	597	76
22	454	111	60	70	285	50	65	118	653	520	409	74
23	434	108	65	92	291	57	42	97	671	570	488	71
24	432	116	70	75	274	51	30	138	678	546	494	64
25	418	115	70	80	217	43	29	211	592	578	496	68
26	423	118	70	85	217	37	32	415	615	517	413	102
27	411	106	80	120	195	56	26	441	604	532	393	99
28	438	103	85	155	188	61	26	442	597	485	356	90
29	448	96	85	195	---	60	31	443	607	438	284	92
30	417	110	95	195	---	81	44	542	562	429	181	66
31	196	---	90	191	---	65	---	578	---	338	150	---
TOTAL	11312	2852	2884	3145	6019	2606	1344	4255	19951	14847	11368	4734
MEAN	365	95.1	93.0	101	215	84.1	44.8	137	665	479	367	158
AC-FT	22440	5660	5720	6240	11940	5170	2670	8440	39570	29450	22550	9390
MAX	487	462	117	195	322	219	65	578	914	1100	597	429
MIN	196	24	52	66	110	25	26	23	562	64	109	64

CAL YR 1990 TOTAL 84048 MEAN 230 MAX 1980 MIN 22 AC-FT 166700
WTR YR 1991 TOTAL 85317 MEAN 234 MAX 1100 MIN 23 AC-FT 169200

MAX DISCH 2960 CFS AT 1345 31-DEC-1990 GH 9.51 FT. SHIFT -0.00 FT. MAX GH 9.51 FT. AT 2300
02-JUL-1991

ARKANSAS RIVER BASIN

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

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

DRAINAGE AREA.--2,752 mi².

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

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

RATING TABLE.--PURNINCO16 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	9.7	12	6.1	13	8.8	24	3.4	0.0	9.3	14	9.6
2	13	11	14	4.1	14	26	26	5.8	0.0	123	8.9	7.8
3	1.7	12	7.3	4.4	17	25	30	3.4	0.0	16	7.3	5.0
4	0.0	11	6.5	9.5	19	22	28	0.21	0.0	21	56	5.3
5	4.1	17	7.8	10	20	18	25	4.0	0.0	24	570	3.9
6	19	20	6.9	10	22	15	38	0.0	0.0	28	86	2.9
7	17	17	9.4	10	20	15	46	0.0	0.0	40	214	0.69
8	15	28	13	10	24	8.2	42	0.0	0.0	292	222	0.0
9	15	18	6.0	10	27	17	34	10	0.0	30	411	0.0
10	17	9.7	7.7	10	29	19	23	12	0.0	24	155	0.0
11	18	11	7.6	8.7	23	19	26	11	0.0	12	297	4.5
12	19	13	9.0	8.2	12	19	21	12	68	8.8	44	31
13	19	7.8	9.8	11	14	17	19	7.5	34	43	39	27
14	17	9.5	9.7	11	11	19	20	0.0	19	30	87	26
15	19	9.6	11	10	11	20	21	0.0	15	21	38	24
16	22	8.5	11	13	16	18	14	0.0	9.8	16	30	30
17	17	11	10	10	14	9.9	15	0.0	4.0	9.6	207	32
18	17	8.2	8.8	12	9.1	20	14	0.0	0.75	6.2	119	28
19	16	8.2	6.9	11	9.1	23	16	0.0	2.7	4.1	60	28
20	15	9.9	3.4	13	5.4	19	12	0.0	3.7	0.98	29	23
21	17	11	4.1	7.0	0.0	19	12	0.0	3.7	0.0	92	22
22	22	12	0.0	4.9	0.0	17	9.2	0.0	4.7	24	132	14
23	21	11	0.0	6.6	0.0	27	7.9	0.0	15	65	70	13
24	8.5	11	0.0	9.3	0.0	25	9.1	0.0	19	106	28	10
25	9.7	11	0.0	2.2	0.0	21	8.4	0.0	23	61	25	9.5
26	11	8.8	0.0	2.4	0.0	16	6.6	0.0	9.2	28	19	10
27	10	8.2	0.0	10	0.0	13	0.0	0.0	16	66	19	9.1
28	11	9.5	2.7	7.7	0.0	8.9	0.0	0.0	11	147	16	8.8
29	9.1	15	2.4	5.2	---	13	0.0	0.0	10	85	14	7.9
30	10	13	0.12	8.8	---	23	0.0	0.0	13	28	12	7.5
31	10	---	0.55	13	---	25	---	0.0	---	18	9.8	---
TOTAL	474.1	360.6	187.67	269.1	329.6	565.8	547.2	69.31	281.55	1386.98	3131.0	400.49
MEAN	15.3	12.0	6.05	8.68	11.8	18.3	18.2	2.24	9.39	44.7	101	13.3
AC-FT	940	715	372	534	654	1120	1090	137	558	2750	6210	794
MAX	54	28	14	13	29	27	46	12	68	292	570	32
MIN	0.0	7.8	0.0	2.2	0.0	8.2	0.0	0.0	0.0	0.0	7.3	0.0
CAL YR 1990 TOTAL	10784.77	MEAN	29.5	MAX	958	MIN	0.00	AC-FT	21390			
WTR YR 1991 TOTAL	8003.40	MEAN	21.9	MAX	570	MIN	0.00	AC-FT	15870			
MAX DISCH	1460 CFS	AT 0245	02-JUL-1991	GH	4.68 FT.	SHIFT	0.00 FT.	MAX GH	4.68 FT.	AT 0245		
02-JUL-1991												

ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO.

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec.7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

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

REMARKS.--Record considered poor to fair without a continuous stage record. Maintained by William F. Howland.

RATING TABLE.--STD06FTPF USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	8.0	9.4	0.0	1.8	1.7	0.0	0.0	0.0
2	5.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	15	0.0	0.0	0.0	8.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0
4	18	0.0	0.0	0.0	8.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0
5	15	0.0	0.0	0.0	8.0	0.0	3.5	7.9	0.0	0.0	70	0.0
6	0.0	0.0	0.0	0.0	8.0	0.0	0.0	7.9	0.0	9.8	18	0.0
7	0.0	0.0	0.0	0.0	8.0	0.0	12	7.9	0.93	3.7	69	3.7
8	0.0	0.0	0.0	0.0	8.0	6.3	18	6.7	0.0	38	41	3.7
9	0.0	0.0	0.0	0.0	8.0	4.0	17	4.3	0.0	4.9	18	3.5
10	0.0	0.0	0.0	0.0	8.0	1.0	18	0.0	0.0	3.5	18	4.1
11	0.0	0.0	0.0	0.0	8.0	0.0	5.6	0.0	0.82	1.7	18	4.7
12	0.0	0.0	0.0	0.0	8.0	2.3	0.0	0.0	38	0.0	18	18
13	0.0	0.0	0.0	0.0	8.0	4.8	0.0	0.71	16	38	0.0	11
14	0.0	0.0	0.0	0.0	8.0	0.0	0.0	7.0	11	3.0	0.0	18
15	0.0	0.0	0.0	0.0	8.0	0.0	0.0	6.5	0.0	0.0	18	16
16	0.0	0.0	0.0	0.0	8.0	0.0	0.0	5.8	0.0	0.0	17	0.0
17	0.0	0.0	0.0	0.0	8.0	0.0	0.0	5.4	0.0	0.0	18	0.0
18	0.0	0.0	0.0	0.0	8.0	0.0	0.0	5.1	0.0	0.0	18	0.0
19	0.0	0.0	0.0	0.0	8.0	0.0	0.0	4.7	0.0	0.0	18	0.0
20	0.0	0.0	5.0	0.0	26	0.0	0.0	4.3	0.0	3.5	16	0.0
21	0.0	0.0	4.1	3.0	31	0.0	0.0	3.5	0.0	3.0	0.0	0.0
22	0.0	0.0	8.0	7.0	32	0.0	0.0	3.5	0.0	18	18	0.0
23	0.0	0.0	8.0	6.0	32	0.0	0.0	3.0	0.0	18	18	0.0
24	0.0	0.0	8.0	4.1	32	0.0	0.0	2.5	0.0	18	10	0.0
25	0.0	0.0	8.0	10	30	0.0	0.0	2.1	0.0	18	0.0	0.0
26	0.0	0.0	8.0	10	27	0.0	0.0	1.8	0.0	15	0.0	0.0
27	0.0	0.0	8.0	3.0	27	0.0	7.0	1.3	0.0	0.0	0.0	0.0
28	0.0	0.0	8.0	4.9	25	1.8	7.0	3.2	0.0	18	0.0	0.0
29	0.0	0.0	8.0	7.0	---	2.5	6.5	3.3	0.0	18	0.0	0.0
30	0.0	0.0	8.0	4.1	---	0.0	5.6	3.0	0.0	17	0.0	0.0
31	0.0	---	6.0	7.9	---	0.0	---	2.6	---	0.0	0.0	---
TOTAL	53.0	0.0	87.1	67.0	414.0	32.1	100.2	112.91	68.45	249.1	421	82.7
MEAN	1.71	0.0	2.81	2.16	14.8	1.04	3.34	3.64	2.28	8.04	13.6	2.76
AC-FT	105	0.0	173	133	821	64	199	224	136	494	835	164
MAX	18	0.0	8.0	10	32	9.4	18	7.9	38	38	70	18
MIN	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1990 TOTAL	1520.2	MEAN	4.16	MAX	52	MIN	0.00	AC-FT	3020
WTR YR 1991 TOTAL	1682.56	MEAN	4.61	MAX	70	MIN	0.00	AC-FT	3340

NO PEAK DATA AVAILABLE

ARKANSAS RIVER BASIN

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

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

DRAINAGE AREA.--2,752 mi².

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

REMARKS.--Discharge computed by combining discharge of river below Ninemile Dam and Ninemile canal. The peak discharge for the water year was approximately 1460 cfs, July 2, 1991. The combined record is considered fair. Station maintained by William F. Howland.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	9.7	12	6.1	21	18	24	5.2	1.7	9.3	14	9.6
2	18	11	14	4.1	22	26	26	5.8	0.0	123	8.9	7.8
3	17	12	7.3	4.4	25	25	30	5.1	0.0	16	7.3	5.0
4	18	11	6.5	9.5	27	22	28	5.6	0.0	21	56	5.3
5	19	17	7.8	10	28	18	28	12	0.0	24	640	3.9
6	19	20	6.9	10	30	15	38	7.9	0.0	38	104	2.9
7	17	17	9.4	10	28	15	58	7.9	0.93	44	283	4.4
8	15	28	13	10	32	14	60	6.7	0.0	330	263	3.7
9	15	18	6.0	10	35	21	51	14	0.0	35	429	3.5
10	17	9.7	7.7	10	37	20	41	12	0.0	28	173	4.1
11	18	11	7.6	8.7	31	19	32	11	0.82	14	315	9.2
12	19	13	9.0	8.2	20	21	21	12	106	8.8	62	49
13	19	7.8	9.8	11	22	22	19	8.2	50	81	39	38
14	17	9.5	9.7	11	19	19	20	7.0	30	33	87	44
15	19	9.6	11	10	19	20	21	6.5	15	21	56	40
16	22	8.5	11	13	24	18	14	5.8	9.8	16	47	30
17	17	11	10	10	22	9.9	15	5.4	4.0	9.6	225	32
18	17	8.2	8.8	12	17	20	14	5.1	0.75	6.2	137	28
19	16	8.2	6.9	11	17	23	16	4.7	2.7	4.1	78	28
20	15	9.9	8.4	13	31	19	12	4.3	3.7	4.5	45	23
21	17	11	8.2	10	31	19	12	3.5	3.7	3.0	92	22
22	22	12	8.0	12	32	17	9.2	3.5	4.7	42	150	14
23	21	11	8.0	13	32	27	7.9	3.0	15	83	88	13
24	8.5	11	8.0	13	32	25	9.1	2.5	19	124	38	10
25	9.7	11	8.0	12	30	21	8.4	2.1	23	79	25	9.5
26	11	8.8	8.0	12	27	16	6.6	1.8	9.2	43	19	10
27	10	8.2	8.0	13	27	13	7.0	1.3	16	66	19	9.1
28	11	9.5	11	13	25	11	7.0	3.2	11	165	16	8.8
29	9.1	15	10	12	---	16	6.5	3.3	10	103	14	7.9
30	10	13	8.1	13	---	23	5.6	3.0	13	45	12	7.5
31	10	---	6.6	21	---	25	---	2.6	---	18	9.8	---
TOTAL	527.3	360.6	274.7	336.0	743	597.9	647.3	182.0	350.00	1637.5	3552.0	483.2
MEAN	17.0	12.0	8.86	10.8	26.5	19.3	21.6	5.87	11.7	52.8	115	16.1
AC-FT	1050	715	545	666	1470	1190	1280	361	694	3250	7050	958
MAX	54	28	14	21	37	27	60	14	106	330	640	49
MIN	8.5	7.8	6.0	4.1	17	9.9	5.6	1.3	0.0	3.0	7.3	2.9
CAL YR 1990 TOTAL	12307.97		MEAN	33.7	MAX	961	MIN	0.0	AC-FT	24410		
WTR YR 1991 TOTAL	9691.50		MEAN	26.6	MAX	640	MIN	0.00	AC-FT	19220		

NO PEAK DATA AVAILABLE

TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO.

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

DRAINAGE AREA.--N/A

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

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

RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	5.6	1.4	0.37
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	5.1	1.3	0.38
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	4.7	2.0	0.32
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	4.3	1.9	0.28
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	3.8	1.3	0.26
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	3.8	2.1	0.27
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	3.8	1.8	0.34
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	4.1	1.3	0.36
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	4.0	1.1	0.31
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	3.7	1.0	0.33
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	3.4	0.61	0.36
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	2.9	1.2	0.41
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	2.5	1.6	0.38
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	2.4	0.92	0.36
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	2.2	0.80	0.50
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	2.3	0.80	0.43
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	2.2	0.65	0.39
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	2.3	0.58	0.32
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	17	2.1	0.83	0.28
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	17	2.1	0.75	0.26
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	14	2.3	0.63	0.23
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	13	3.0	0.50	0.11
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	11	2.1	0.39	0.00
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	10	3.1	0.46	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	8.5	2.4	0.54	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	7.2	2.4	0.51	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	6.5	2.7	0.43	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	6.8	1.7	0.43	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	22	7.0	1.4	0.39	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	20	6.6	1.2	0.35	0.0
31	0.0	---	0.0	0.0	---	0.0	---	17	---	1.2	0.35	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175.6	502.1	90.8	28.91	7.26
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.66	16.7	2.93	0.93	0.24
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	348	996	180	57	14
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	35	5.6	2.1	0.50
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	1.2	0.35	0.0

CAL YR 1990 TOTAL 746.43 MEAN 2.05 MAX 46 MIN 0.00 AC-FT 1480
WTR YR 1991 TOTAL 804.67 MEAN 2.20 MAX 35 MIN 0.00 AC-FT 1600

MAX DISCH 68 CFS AT 1815 11-JUN-1991 GH 1.88 FT. SHIFT 0.02 FT. MAX GH 1.88 FT. AT 1815
11-JUN-1991

TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO

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

DRAINAGE AREA.--N/A

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

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

RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	3.4	1.3	0.78
2	0.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	3.2	1.3	0.77
3	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	3.1	1.6	0.73
4	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	2.9	1.5	0.72
5	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	2.8	1.3	0.72
6	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	2.7	1.4	0.74
7	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	2.6	1.3	0.72
8	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	2.6	1.2	0.72
9	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	2.5	1.2	0.69
10	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	2.4	1.1	0.72
11	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	2.2	1.1	0.74
12	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	2.1	1.2	0.75
13	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	2.0	1.2	0.72
14	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	1.9	1.0	0.73
15	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.80	8.7	1.8	1.0	0.76
16	0.40	0.0	0.0	0.0	0.0	0.0	0.0	1.7	8.3	1.8	1.0	0.72
17	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.9	7.9	1.7	0.94	0.69
18	0.30	0.0	0.0	0.0	0.0	0.0	0.0	3.6	7.4	1.8	0.94	0.64
19	0.40	0.0	0.0	0.0	0.0	0.0	0.0	5.4	6.9	1.7	1.00	0.64
20	0.30	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.5	1.7	0.98	0.64
21	0.30	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.0	1.6	0.91	0.63
22	0.40	0.0	0.0	0.0	0.0	0.0	0.0	6.9	5.6	1.7	0.85	0.61
23	0.40	0.0	0.0	0.0	0.0	0.0	0.0	6.3	5.2	1.6	0.85	0.60
24	0.30	0.0	0.0	0.0	0.0	0.0	0.0	5.7	5.0	2.0	0.85	0.26
25	0.10	0.0	0.0	0.0	0.0	0.0	0.0	6.7	4.7	1.8	1.1	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	4.4	1.8	0.98	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	4.2	1.7	0.86	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	4.0	1.5	0.85	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	9.0	3.9	1.3	0.78	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	9.0	3.6	1.3	0.77	0.0
31	0.0	---	0.0	0.0	---	0.0	---	8.4	---	1.3	0.77	---
TOTAL	11.01	0.0	0.0	0.0	0.0	0.0	0.0	104.50	210.1	64.5	33.14	16.43
MEAN	0.36	0.0	0.0	0.0	0.0	0.0	0.0	3.37	7.00	2.08	1.07	0.55
AC-FT	22	0.0	0.0	0.0	0.0	0.0	0.0	207	417	128	66	33
MAX	0.89	0.0	0.0	0.0	0.0	0.0	0.0	9.1	9.0	3.4	1.6	0.78
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.3	0.77	0.0
CAL YR 1990 TOTAL		407.49	MEAN	1.12	MAX	10	MIN	0.00	AC-FT	808		
WTR YR 1991 TOTAL		439.68	MEAN	1.20	MAX	9.1	MIN	0.00	AC-FT	872		
MAX DISCH		14 CFS AT 1845	26-MAY-1991	GH		0.99 FT.	SHIFT		-0.05 FT.	MAX GH		0.99 FT. AT 1845
26-MAY-1991												

TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO

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

DRAINAGE AREA.--N/A

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

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

RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1990 TO 31-OCT-1990

RATING TABLE.--WURDITCO02 USED FROM 01-NOV-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	6.5	1.3	0.35
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	5.7	1.5	0.54
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	5.3	1.7	0.51
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	4.3	3.2	0.43
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	4.5	1.6	0.43
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	4.3	1.4	0.51
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	4.3	1.7	0.68
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	4.6	1.1	0.75
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	4.5	1.1	0.55
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	3.9	0.91	0.64
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	28	3.4	0.80	0.89
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	27	3.0	0.94	0.97
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	27	2.8	1.6	0.93
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	31	2.5	0.88	0.83
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	29	2.4	0.70	1.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	23	2.5	0.81	1.2
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	21	2.7	0.70	0.93
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	19	3.0	0.61	0.71
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	17	2.5	0.74	0.62
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	16	2.8	1.00	0.61
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	15	3.0	0.78	0.59
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	14	3.2	0.58	0.52
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	12	2.6	0.52	0.38
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	11	4.4	0.44	0.21
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	10	4.4	0.60	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	8.7	3.4	0.61	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	7.8	3.9	0.65	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	7.5	2.1	0.55	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	29	7.8	1.5	0.55	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	29	7.8	1.3	0.43	0.0
31	0.0	---	0.0	0.0	---	0.0	---	25	---	1.3	0.43	---

TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	390.1	597.6	106.6	30.41	15.98
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	19.9	3.44	0.98	0.53
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	774	1190	211	60	32
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	33	6.5	3.2	1.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	1.3	0.43	0.0

CAL YR 1990 TOTAL	793.7	MEAN	2.17	MAX	35	MIN	0.00	AC-FT	1570
WTR YR 1991 TOTAL	1140.69	MEAN	3.13	MAX	33	MIN	0.00	AC-FT	2260

MAX DISCH 45 CFS AT 2045 27-MAY-1991 GH 1.45 FT. SHIFT 0.03 FT. MAX GH 1.45 FT. AT 2045

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS

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

DRAINAGE AREA.--N/A

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

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

RATING TABLE.--WUREXD001 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.7	0.61	0.35
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	1.7	0.61	0.52
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.6	0.82	0.35
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.6	0.93	0.35
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	1.4	0.61	0.27
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	1.4	0.71	0.27
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	1.3	0.71	0.35
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	1.4	0.52	0.35
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	1.4	0.52	0.35
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	1.3	0.52	0.35
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	1.2	0.52	0.43
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.0	0.52	0.43
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.0	0.52	0.43
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.93	0.52	0.35
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.82	0.52	0.35
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.82	0.52	0.30
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.93	0.52	0.27
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.93	0.52	0.27
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.5	0.82	0.61	0.27
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.9	0.82	0.71	0.27
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.5	0.93	0.61	0.20
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.2	0.82	0.52	0.14
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.9	0.82	0.43	0.14
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.7	1.3	0.43	0.08
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.5	1.4	0.43	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.3	1.2	0.52	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	2.1	1.0	0.52	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.1	0.82	0.43	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	7.0	2.0	0.71	0.43	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	7.4	1.8	0.71	0.35	0.0
31	0.0	---	0.0	0.0	---	0.0	---	7.2	---	0.61	0.35	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.4	156.1	34.39	17.06	7.44
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.21	5.20	1.11	0.55	0.25
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136	310	68	34	15
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	8.7	1.7	0.93	0.52
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.61	0.35	0.0

CAL YR 1990 TOTAL 63.88 MEAN 0.18 MAX 5.80 MIN 0.00 AC-FT 127
WTR YR 1991 TOTAL 283.39 MEAN 0.78 MAX 8.7 MIN 0.00 AC-FT 562

MAX DISCH 10 CFS AT 1900 06-JUN-1991 GH 0.59 FT. SHIFT 0.00 FT. MAX GH 0.59 FT. AT 1900
06-JUN-1991

TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09063700 HOMESTAKE TUNNEL NEAR GOLD PARK, CO

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

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

REMARKS.--Record is complete and reliable except for the period July 28 to Aug. 4, 1991, when stage record was missing. Record good, except for period of missing gage-height record, which is poor. Station maintained and records developed by L. R. Schultz.

RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.3	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.3	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	3.3	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	3.3	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	3.3	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.3	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.3	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.3	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.3	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.3	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.3	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.3	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.3	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.3	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.3	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.3	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	3.6	3.3	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	3.6	3.3	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	3.6	3.3	---
TOTAL	101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.7	104.4	25.6
MEAN	3.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.93	3.37	0.85
AC-FT	200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180	207	51
MAX	101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.6	3.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0

CAL YR 1990 TOTAL 13331 MEAN 36.5 MAX 304 MIN 0.00 AC-FT 26440
WTR YR 1991 TOTAL 321.7 MEAN 0.88 MAX 101 MIN 0.00 AC-FT 638

MAX DISCH 257 CFS AT 0045 01-OCT-1990 GH 2.85 FT. SHIFT 0.05 FT. MAX GH 2.85 FT. AT 0045
01-OCT-1990

TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record good and reliable with use of satellite monitoring system as backup for verification. Station maintained and records developed by L. R. Schultz.

RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.4	1.4	2.2	2.2	2.0	1.6	0.98	254	323	31	30
2	1.4	1.4	1.4	2.2	2.2	2.0	1.6	1.0	208	277	30	40
3	1.4	1.4	1.5	40	2.2	2.0	1.6	1.1	169	260	32	9.0
4	1.4	1.4	1.6	19	2.2	2.0	1.6	1.2	165	246	41	1.1
5	1.4	1.6	1.6	1.2	2.2	2.0	1.6	1.2	230	230	35	1.3
6	1.5	1.6	1.8	1.2	2.2	1.5	1.6	1.2	287	212	31	1.4
7	1.6	1.7	1.8	1.4	2.3	1.4	1.8	1.2	293	169	28	1.4
8	1.6	1.8	18	1.4	2.2	1.4	1.8	1.4	373	203	25	1.8
9	1.6	1.9	46	1.4	2.2	1.4	1.8	47	471	211	23	1.9
10	18	2.1	1.4	1.4	2.2	1.4	2.0	47	476	185	22	2.0
11	40	13	1.4	1.4	2.2	1.4	2.0	1.1	523	158	21	1.8
12	19	51	1.4	1.6	2.2	1.4	2.0	44	574	125	24	1.8
13	0.99	36	1.4	1.6	2.2	1.4	2.0	96	566	86	20	1.2
14	0.99	1.4	1.4	1.6	2.2	1.4	2.0	92	568	83	29	3.5
15	1.0	1.4	1.4	1.6	2.0	1.4	2.0	106	570	76	22	2.3
16	1.1	1.5	1.4	1.6	1.8	1.4	2.1	98	554	69	16	2.2
17	1.1	1.6	1.4	1.6	1.8	1.4	1.2	83	521	83	7.3	8.6
18	1.1	1.8	1.6	1.7	1.8	1.4	2.5	21	525	78	11	1.4
19	1.2	1.9	1.6	1.8	1.8	1.4	0.99	85	463	70	11	1.8
20	1.2	49	1.6	1.8	2.0	1.4	0.99	167	472	65	26	7.4
21	1.2	17	1.6	1.8	1.9	1.4	0.99	224	493	60	22	2.9
22	1.2	1.4	1.8	1.9	1.9	1.4	2.0	281	485	66	8.6	2.3
23	1.2	1.5	1.8	2.0	2.0	1.4	2.6	257	455	65	6.0	1.0
24	1.2	1.6	1.8	2.0	2.0	1.4	1.3	200	432	60	8.2	9.8
25	1.2	1.7	1.8	2.0	2.0	1.4	4.2	168	387	62	17	1.2
26	1.2	1.8	2.0	2.0	2.0	1.5	0.82	221	340	55	17	1.8
27	1.2	21	2.0	2.0	2.0	1.5	0.97	283	229	48	15	1.9
28	1.2	52	2.0	2.2	2.0	1.4	0.99	415	315	43	9.3	1.4
29	1.2	1.8	2.0	2.2	---	1.4	0.99	336	368	39	2.0	9.2
30	1.2	1.3	2.0	2.2	---	1.4	0.98	352	353	35	2.3	2.0
31	1.2	---	2.1	2.2	---	1.6	---	345	---	33	2.7	---
TOTAL	112.18	276.0	112.0	110.2	57.9	46.9	137.02	3978.38	12119	3775	595.4	350.7
MEAN	3.62	9.20	3.61	3.55	2.07	1.51	4.57	128	404	122	19.2	11.7
AC-FT	223	547	222	219	115	93	272	7890	24040	7490	1180	696
MAX	40	52	46	40	2.3	2.0	26	415	574	323	41	40
MIN	0.99	1.3	1.4	1.2	1.8	1.4	0.82	0.98	165	33	2.0	1.1
CAL YR 1990 TOTAL	21248.29		MEAN	58.2	MAX	625	MIN	0.66	AC-FT	42150		
WTR YR 1991 TOTAL	21670.69		MEAN	59.4	MAX	574	MIN	0.82	AC-FT	42980		
MAX DISCH	584 CFS AT 0930		12-JUN-1991	GH	4.86 FT.		SHIFT	-0.01 FT.		MAX GH	4.86 FT. AT 0930	
12-JUN-1991												

TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE, CO

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

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

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

RATING TABLE.--BOUTUNCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	2.3	2.3	2.3	1.7	2.3	1.7	1.7	470	438	9.3	2.5
2	2.3	2.3	2.3	2.0	1.7	2.3	1.7	1.7	397	369	12	1.8
3	2.3	2.3	2.3	2.0	1.7	2.3	1.7	1.7	317	321	8.8	0.87
4	2.3	2.3	2.3	2.0	2.2	2.3	1.7	1.7	340	282	13	0.87
5	2.3	2.3	2.3	2.0	2.3	2.3	1.6	1.7	472	261	15	0.87
6	2.3	2.3	2.3	2.0	2.3	2.3	1.4	1.7	634	237	18	0.87
7	2.3	2.3	2.3	2.0	2.3	2.3	1.4	1.7	589	224	13	0.87
8	2.3	2.3	2.3	2.0	2.3	2.1	1.4	1.6	661	246	9.1	0.87
9	2.3	2.3	2.3	2.0	2.3	2.0	1.4	6.4	769	259	3.5	0.87
10	2.3	2.3	2.3	2.0	2.3	2.0	1.4	25	750	193	3.2	0.87
11	2.3	2.3	2.3	2.0	2.3	2.0	1.5	66	796	152	3.4	0.87
12	2.3	2.3	2.3	2.0	2.3	2.0	1.7	82	797	129	8.1	0.87
13	2.3	2.3	2.3	2.0	2.3	2.0	1.7	96	790	114	13	0.87
14	2.3	2.3	2.3	2.0	2.3	2.0	1.7	199	839	97	5.7	0.87
15	2.3	2.3	2.3	2.0	2.3	2.0	1.7	208	859	86	4.7	0.87
16	2.3	2.3	2.3	2.0	2.5	2.0	1.7	111	815	102	7.6	0.87
17	2.3	2.3	2.3	2.0	2.3	1.9	1.7	84	777	125	5.0	0.87
18	2.3	2.3	2.3	2.0	2.3	1.7	1.8	168	738	112	3.6	0.87
19	2.3	2.3	2.3	2.0	2.3	1.7	1.9	300	702	84	4.1	0.87
20	2.3	2.3	2.3	2.0	2.3	1.9	1.9	384	719	98	4.3	0.87
21	2.3	2.3	2.3	2.0	2.3	2.0	1.7	499	693	91	3.2	0.87
22	2.3	2.3	2.3	2.0	2.3	2.0	1.7	545	677	88	3.2	0.87
23	2.3	2.3	2.3	1.9	2.3	2.0	1.7	471	605	58	3.2	1.8
24	2.3	2.3	2.3	1.7	2.3	2.0	1.7	340	555	54	3.2	3.2
25	2.3	2.3	2.3	1.7	2.3	2.0	1.7	316	496	59	3.4	3.2
26	2.3	2.3	2.3	1.7	2.3	2.0	1.7	471	463	53	3.6	3.2
27	2.3	2.3	2.3	1.7	2.3	2.0	1.7	585	390	43	3.7	3.2
28	2.3	2.3	2.3	1.7	2.3	2.0	1.7	598	447	31	3.2	3.2
29	2.3	2.3	2.3	1.7	---	2.0	1.7	572	443	15	3.2	3.4
30	2.3	2.2	2.3	1.7	---	1.7	1.9	576	452	4.7	2.3	3.5
31	2.3	---	2.3	1.7	---	1.7	---	532	---	5.5	0.81	---
TOTAL	71.3	68.9	71.3	59.8	62.7	62.8	49.9	7247.9	18452	4431.2	197.41	46.40
MEAN	2.30	2.30	2.30	1.93	2.24	2.03	1.66	234	615	143	6.37	1.55
AC-FT	141	137	141	119	124	125	99	14380	36600	8790	392	92
MAX	2.3	2.3	2.3	2.3	2.5	2.3	1.9	598	859	438	18	3.5
MIN	2.3	2.2	2.3	1.7	1.7	1.7	1.4	1.6	317	4.7	0.81	0.87

CAL YR 1990 TOTAL 24042.90 MEAN 65.9 MAX 924 MIN 0.00 AC-FT 47690
WTR YR 1991 TOTAL 30821.62 MEAN 84.4 MAX 859 MIN 0.81 AC-FT 61130

MAX DISCH 939 CFS AT 2100 15-JUN-1991 GH 5.71 FT. SHIFT 0.00 FT. MAX GH 5.71 FT. AT 2100
15-JUN-1991

TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

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

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

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

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

RATING TABLE.--BUSTUNCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	6.2	3.7	1.5
2	0.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	18	3.7	1.4
3	0.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	57	4.0	1.3
4	0.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	39	5.1	1.2
5	0.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	26	4.7	1.2
6	0.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	19	4.0	1.2
7	0.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	16	3.9	1.3
8	0.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65	14	3.6	1.8
9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71	14	3.3	2.0
10	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74	12	3.0	1.9
11	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	11	2.8	1.9
12	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	9.6	2.9	2.0
13	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	8.7	3.8	2.1
14	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	7.9	3.6	2.4
15	2.4	0.0	0.0	0.0	0.0	0.0	0.0	7.7	89	7.0	3.2	2.9
16	2.4	0.0	0.0	0.0	0.0	0.0	0.0	16	91	6.5	3.1	3.1
17	1.8	0.0	0.0	0.0	0.0	0.0	0.0	16	94	7.2	2.8	3.1
18	2.0	0.0	0.0	0.0	0.0	0.0	0.0	16	93	7.7	2.6	2.8
19	1.9	0.0	0.0	0.0	0.0	0.0	0.0	21	91	7.5	2.4	2.4
20	2.1	0.0	0.0	0.0	0.0	0.0	0.0	26	88	8.7	2.4	2.2
21	1.9	0.0	0.0	0.0	0.0	0.0	0.0	30	87	9.3	2.3	2.0
22	1.6	0.0	0.0	0.0	0.0	0.0	0.0	47	45	8.3	2.1	1.9
23	1.4	0.0	0.0	0.0	0.0	0.0	0.0	59	4.7	8.2	2.0	1.7
24	1.3	0.0	0.0	0.0	0.0	0.0	0.0	51	12	7.6	1.8	1.4
25	0.95	0.0	0.0	0.0	0.0	0.0	0.0	41	32	7.5	1.8	1.3
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	12	7.0	1.7	1.3
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	12	6.7	2.0	1.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	10	6.0	2.0	1.2
29	0.0	0.0	0.0	0.0	---	0.0	0.0	59	8.8	5.1	2.0	1.2
30	0.0	0.0	0.0	0.0	---	0.0	0.0	59	7.8	4.5	1.8	1.2
31	0.0	---	0.0	0.0	---	0.0	---	60	---	4.0	1.6	---
TOTAL	42.01	0.0	0.0	0.0	0.0	0.0	0.0	661.7	1630.3	377.2	89.7	54.1
MEAN	1.36	0.0	0.0	0.0	0.0	0.0	0.0	21.3	54.3	12.2	2.89	1.80
AC-FT	83	0.0	0.0	0.0	0.0	0.0	0.0	1310	3230	748	178	107
MAX	3.0	0.0	0.0	0.0	0.0	0.0	0.0	60	94	57	5.1	3.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.0	1.6	1.2
CAL YR 1990 TOTAL	2600.67	MEAN	7.13	MAX	102	MIN	0.00	AC-FT	5160			
WTR YR 1991 TOTAL	2855.01	MEAN	7.82	MAX	94	MIN	0.00	AC-FT	5660			
MAX DISCH	94 CFS AT 1030	17-JUN-1991	GH	1.93 FT.	SHIFT	0.03 FT.	MAX GH	1.93 FT.	AT 1030			
17-JUN-1991												

TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record poor. Discharges estimated based on 4 gage height readings taken during season. Recorder not maintained during 1991 water year. Records developed by F. P. Kipple.

RATING TABLE.--LARDITCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.80	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.60	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.50	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.30	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.20	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.20	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.20	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.10	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.10	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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	1.6	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.90	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.80	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	44.80	3.00	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.49	0.10	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	6.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.80	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
CAL YR 1990 TOTAL		4.06	MEAN	0.01	MAX	0.82	MIN	0.00	AC-FT	8.0		
WTR YR 1991 TOTAL		47.80	MEAN	0.13	MAX	2.6	MIN	0.00	AC-FT	95		

NO PEAK DATA AVAILABLE

RIO GRANDE BASIN

08213500 RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE, CO

LOCATION.--Lat 37°43'29", long 107°15'18", in NE¼ sec.13, T.40 N., R.4 W., Hinsdale County, Hydrologic Unit 13010001, on right bank 70 ft downstream from bridge, 500 ft upstream from Squaw Creek, 0.8 mi downstream from Rio Grande Reservoir, and 20 mi southwest of Creede.

DRAINAGE AREA.--163 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,300 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by Rio Grande Reservoir, capacity, 51,110 acre-ft, since 1912. Natural flow of stream affected by transmountain diversions from Colorado River basin to drainage area upstream from station through Weminuche Pass and Pine River-Weminuche Pass ditches. Record is complete and reliable except for Oct. 31-Nov. 6, 1990 and Apr. 13-18, 1991 when the station was isolated, and Nov. 7, 1990 to Apr. 12, 1991 when the station was closed for the winter. Record good except for periods of no gage-height record which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--RIOMILCO11 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	0.90	1.6	2.7	3.7	4.6	5.7	86	1160	930	62	50
2	214	0.90	1.7	2.7	3.7	4.7	5.7	86	831	849	62	50
3	214	0.90	1.7	2.7	3.8	4.7	5.7	86	584	604	62	50
4	211	0.90	1.7	2.8	3.8	4.7	5.8	100	274	423	62	50
5	211	0.90	1.8	2.8	3.8	4.8	5.8	151	225	417	63	50
6	206	0.90	1.8	2.8	3.9	4.8	5.8	191	775	413	65	61
7	199	0.90	1.8	2.9	3.9	4.8	5.9	238	1180	411	83	196
8	201	0.90	1.9	2.9	3.9	4.9	5.9	289	1620	440	102	266
9	201	0.90	1.9	2.9	4.0	4.9	5.9	406	1950	455	126	264
10	196	0.90	1.9	3.0	4.0	4.9	6.0	532	1230	452	138	263
11	192	1.0	2.0	3.0	4.0	5.0	6.0	568	856	444	135	263
12	183	1.0	2.0	3.0	4.1	5.0	6.0	452	1020	437	111	265
13	172	1.0	2.0	3.1	4.1	5.0	6.0	437	1020	431	88	266
14	163	1.1	2.1	3.1	4.1	5.1	6.0	604	996	423	82	266
15	153	1.1	2.1	3.1	4.2	5.1	6.0	713	996	415	55	266
16	144	1.1	2.1	3.2	4.2	5.1	6.0	745	988	408	56	263
17	135	1.2	2.2	3.2	4.2	5.2	6.0	746	906	398	56	257
18	122	1.2	2.2	3.2	4.3	5.2	99	844	943	390	55	140
19	131	1.2	2.2	3.3	4.3	5.2	162	1010	982	369	73	104
20	144	1.3	2.3	3.3	4.3	5.3	162	1140	889	306	82	144
21	116	1.3	2.3	3.3	4.4	5.3	162	1160	704	301	83	172
22	122	1.3	2.3	3.4	4.4	5.3	162	1010	562	295	83	196
23	124	1.4	2.4	3.4	4.4	5.4	207	712	692	290	83	207
24	154	1.4	2.4	3.4	4.5	5.4	227	401	926	286	71	137
25	139	1.4	2.4	3.5	4.5	5.4	229	274	980	277	66	97
26	136	1.5	2.5	3.5	4.5	5.5	229	313	968	267	66	97
27	130	1.5	2.5	3.5	4.6	5.5	229	417	1090	258	66	97
28	128	1.5	2.5	3.6	4.6	5.5	184	604	1150	247	58	98
29	125	1.6	2.6	3.6	---	5.6	160	859	1130	234	50	99
30	119	1.6	2.6	3.6	---	5.6	115	1050	1110	153	50	99
31	66	---	2.6	3.7	---	5.6	---	1410	---	80	50	---
TOTAL	4950	34.70	66.1	98.2	116.2	159.1	2427.2	17634	28737	12103	2344	4833
MEAN	160	1.16	2.13	3.17	4.15	5.13	80.9	569	958	390	75.6	161
AC-FT	9820	69	131	195	230	316	4810	34980	57000	24010	4650	9590
MAX	214	1.6	2.6	3.7	4.6	5.6	229	1410	1950	930	138	266
MIN	66	0.90	1.6	2.7	3.7	4.6	5.7	86	225	80	50	50
CAL YR 1990 TOTAL	61358.22	MEAN	168	MAX	1510	MIN	0.81	AC-FT	121700			
WTR YR 1991 TOTAL	73502.51	MEAN	201	MAX	1950	MIN	0.90	AC-FT	145800			
MAX DISCH	2050 CFS	AT 0815	09-JUN-1991	GH	4.34 FT.	SHIFT	-0.13 FT.	MAX GH	4.34 FT.	AT 0815		
09-JUN-1991												

RIO GRANDE BASIN

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO

LOCATION.--Lat 37°53'18", long 107°12'10", in NE¼SW¼ sec.21, T.42 N., R.3 W., Hinsdale County, Hydrologic Unit 13010001, on left bank 100 ft downstream from bridge, 1,000 ft downstream from Continental Reservoir, and 15 mi west of Creede.

DRAINAGE AREA.--51.7 mi².

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 10,200 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by Continental Reservoir, Capacity, 26,720 acre-ft. Record is complete and reliable except for the following periods: Nov. 7, 1990 to May 15, 1991, when station was closed for the winter and June 16 to July 5, 1991, when the recorder pen was not working. Record is good, except for periods of no gage-height record, which is fair to poor due to quality of records kept by reservoir company. Station maintained and records developed by Div. III staff.

RATING TABLE.--NCLCONCO20 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	0.05	0.12	0.14	0.17	0.19	0.21	0.24	99	19	23	43
2	57	0.05	0.12	0.15	0.17	0.19	0.21	0.24	88	19	24	50
3	31	0.15	0.12	0.15	0.17	0.19	0.21	0.24	85	19	23	51
4	27	0.15	0.12	0.15	0.17	0.19	0.21	0.24	53	13	25	51
5	26	0.15	0.13	0.15	0.17	0.19	0.22	0.24	77	14	26	51
6	23	0.15	0.13	0.15	0.17	0.19	0.22	0.24	166	25	28	51
7	23	0.11	0.13	0.15	0.17	0.19	0.22	0.24	247	23	30	50
8	30	0.11	0.13	0.15	0.17	0.19	0.22	0.24	257	25	27	50
9	26	0.11	0.13	0.15	0.17	0.19	0.22	0.24	255	28	26	50
10	23	0.11	0.13	0.15	0.17	0.20	0.22	0.24	212	29	26	49
11	23	0.11	0.13	0.15	0.17	0.20	0.22	0.24	93	29	21	47
12	22	0.11	0.13	0.15	0.18	0.20	0.22	0.24	11	29	17	47
13	21	0.11	0.13	0.15	0.18	0.20	0.22	94	41	30	17	50
14	19	0.11	0.13	0.15	0.18	0.20	0.22	197	137	33	17	50
15	19	0.11	0.13	0.15	0.18	0.20	0.22	225	239	50	17	50
16	19	0.11	0.13	0.16	0.18	0.20	0.22	223	243	46	17	50
17	8.1	0.11	0.13	0.16	0.18	0.20	0.22	225	185	32	16	50
18	0.15	0.11	0.13	0.16	0.18	0.20	0.23	208	125	23	15	50
19	0.15	0.11	0.14	0.16	0.18	0.20	0.23	158	92	20	14	49
20	0.15	0.11	0.14	0.16	0.18	0.20	0.23	47	60	20	15	46
21	0.15	0.12	0.14	0.16	0.18	0.20	0.23	16	59	26	14	46
22	0.15	0.12	0.14	0.16	0.18	0.20	0.23	67	50	60	14	46
23	0.15	0.12	0.14	0.16	0.18	0.21	0.23	138	41	82	14	45
24	0.15	0.12	0.14	0.16	0.18	0.21	0.23	144	53	60	14	84
25	0.05	0.12	0.14	0.16	0.19	0.21	0.23	112	65	52	13	112
26	0.05	0.12	0.14	0.16	0.19	0.21	0.23	82	65	52	12	142
27	0.05	0.12	0.14	0.16	0.19	0.21	0.23	97	65	50	12	188
28	0.05	0.12	0.14	0.16	0.19	0.21	0.23	117	65	34	12	220
29	0.05	0.12	0.14	0.16	---	0.21	0.23	117	42	27	20	227
30	0.05	0.12	0.14	0.17	---	0.21	0.24	117	19	18	41	222
31	0.05	---	0.14	0.17	---	0.21	---	119	---	19	41	---
TOTAL	534.50	3.44	4.12	4.82	4.97	6.20	6.70	2505.88	3289	1006	631	2317
MEAN	17.2	0.11	0.13	0.16	0.18	0.20	0.22	80.8	110	32.5	20.4	77.2
AC-FT	1060	6.8	8.2	9.6	9.9	12	13	4970	6520	2000	1250	4600
MAX	136	0.15	0.14	0.17	0.19	0.21	0.24	225	257	82	41	227
MIN	0.05	0.05	0.12	0.14	0.17	0.19	0.21	0.24	11	13	12	43
CAL YR 1990 TOTAL	8748.50	MEAN	24.0	MAX	212	MIN	0.00	AC-FT	17,350			
WTR YR 1991 TOTAL	10313.63	MEAN	28.3	MAX	257	MIN	0.05	AC-FT	20460			
MAX DISCH	262 CFS	AT 1145	08-JUN-1991	GH	2.45 FT.	SHIFT	0.00 FT.	MAX GH	2.45 FT.	AT 1145		

RIO GRANDE BASIN

08218500 GOOSE CREEK AT WAGONWHEEL GAP, CO

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

DRAINAGE AREA.--90 mi².

GAGE.--Water-stage recorder. Elevation of gage is 8,460 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 8, 1990 and Mar. 12-Apr. 6, 13, 1991 when the float was frozen; Nov. 9, 1990 to Mar. 11, 1991 when station was closed for the winter; Apr. 7-12, 14-30, 1991 when the float sank. Records are good except for periods of no gage-height record which are fair. As of the end of the 1991 water year, the Colorado Division of Water Resources will not be responsible for the generation of stream flow records at this gage. Station maintained and records developed by Div. III staff.

RATING TABLE.--GOOWAGCO09 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	54	35	22	17	16	22	40	54	242	108	40	24			
2	52	36	19	17	16	20	44	61	232	99	52	24			
3	61	30	17	17	16	18	44	64	190	90	49	29			
4	63	29	19	22	16	20	47	72	175	83	66	26			
5	61	29	20	20	15	24	54	68	208	76	52	26			
6	49	29	21	18	15	20	66	81	225	68	51	52			
7	41	28	20	16	17	17	78	87	214	70	49	74			
8	48	30	20	16	18	15	76	116	242	83	44	77			
9	52	35	22	17	17	15	68	169	242	76	45	61			
10	51	36	22	16	15	21	68	157	218	70	45	56			
11	45	36	22	16	16	21	62	149	225	63	41	56			
12	42	37	28	17	19	20	52	146	250	59	42	83			
13	41	37	26	20	21	19	50	157	246	56	42	77			
14	37	38	18	21	21	22	47	178	253	52	42	68			
15	37	38	15	17	20	21	47	169	236	49	39	59			
16	36	40	23	16	24	24	54	146	222	48	39	52			
17	31	40	21	16	21	22	70	144	228	48	35	49			
18	31	39	18	16	17	24	86	178	222	46	34	46			
19	35	39	18	17	15	25	90	250	208	46	42	45			
20	37	41	23	16	18	25	100	276	194	48	35	46			
21	35	32	19	17	18	25	140	284	187	66	31	46			
22	35	28	13	15	18	29	110	253	175	58	29	40			
23	35	28	11	15	20	27	100	242	163	56	31	37			
24	35	29	12	14	20	33	90	232	155	49	30	35			
25	35	29	15	15	16	33	96	232	144	51	31	34			
26	35	30	15	15	16	32	88	253	133	46	35	32			
27	35	21	15	17	16	29	76	292	116	45	34	30			
28	35	17	17	15	21	27	64	292	126	41	29	30			
29	34	17	24	16	---	30	58	288	118	41	30	31			
30	34	20	17	15	---	32	54	284	118	42	26	30			
31	34	---	16	15	---	36	---	260	---	40	25	---			
TOTAL	1286	953	588	517	498	748	2119	5634	5907	1873	1215	1375			
MEAN	41.5	31.8	19.0	16.7	17.8	24.1	70.6	182	197	60.4	39.2	45.8			
AC-FT	2550	1890	1170	1030	988	1480	4200	11180	11720	3720	2410	2730			
MAX	63	41	28	22	24	36	140	292	253	108	66	83			
MIN	31	17	11	14	15	15	40	54	116	40	25	24			
CAL YR 1990 TOTAL		19604.6	MEAN	53.7	MAX	358	MIN	9.6	AC-FT	38890					
WTR YR 1991 TOTAL		22713	MEAN	62.2	MAX	292	MIN	11	AC-FT	45050					
MAX DISCH		345	CFS	AT 2330	27-MAY-1991	GH	3.61	FT.	SHIFT	-0.01	FT.	MAX GH	3.61	FT.	AT 2330
27-MAY-1991															

RIO GRANDE BASIN

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK, CO

LOCATION.--Lat 37°39'25", long 106°38'55", in SW¼NE¼ sec.3, T.39 N., R.3 E., Rio Grande County, Hydrologic Unit 13010001, on left bank near U.S. Highway 160, 700 ft downstream from Church Creek, 0.8 mi southwest of village of South Fork, and 1.4 mi upstream from mouth.

DRAINAGE AREA.--216 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,221.79 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Transmountain diversions from Colorado River basin to drainage area upstream from station through Treasure Pass ditch. Natural flow of stream affected by a few small diversions for irrigation, slight regulation by Beaver Creek Reservoir, Capacity, 4,760 acre-ft. and several smaller storage reservoirs. Record is complete and reliable except for Dec. 4,5, 1990 when the float was frozen and Dec. 6, 1990 to Mar. 13, 1991 when the station was closed for the winter. Stage-discharge relation ice affected Nov. 29,30, Dec. 1-3, 1990 and Mar. 14-16, 1991. Record good except for periods of no gage-height record and ice affect which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--RIOSFK008 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	90	76	46	38	64	92	211	1030	289	97	70
2	201	115	70	47	37	62	102	244	963	250	130	67
3	199	138	64	46	37	60	105	259	801	230	154	70
4	161	126	68	54	38	64	119	277	752	214	173	64
5	142	125	72	50	36	70	162	271	817	200	158	69
6	127	104	73	48	37	64	235	316	850	183	143	106
7	123	77	72	45	39	60	313	348	817	172	153	178
8	187	79	72	44	41	56	304	443	854	183	131	186
9	152	81	76	46	40	54	264	718	918	169	126	138
10	143	80	76	44	38	66	266	900	858	157	131	129
11	141	81	76	44	40	66	243	1020	840	138	117	135
12	130	83	80	46	46	64	199	980	832	128	111	230
13	120	83	78	50	50	58	182	1000	850	120	104	233
14	113	84	66	52	52	60	159	1110	920	117	107	196
15	108	85	60	47	50	56	163	1070	840	106	109	173
16	103	84	70	42	58	58	210	918	755	98	155	156
17	98	82	66	42	56	58	285	855	748	105	119	149
18	91	82	62	42	50	65	344	1110	727	99	110	136
19	101	80	62	44	46	73	359	1280	693	98	146	125
20	122	82	68	41	50	80	395	1360	646	104	121	120
21	102	76	62	43	50	70	479	1410	596	115	106	116
22	101	79	45	38	52	62	433	1310	536	181	98	106
23	108	83	38	38	56	61	398	1330	476	164	102	99
24	104	79	39	36	56	68	358	1230	427	159	99	94
25	108	76	44	37	52	71	379	1230	391	163	94	91
26	108	80	43	37	50	68	351	1370	359	153	88	87
27	106	79	44	40	52	69	290	1440	328	144	81	84
28	105	72	46	37	62	68	258	1390	330	122	73	85
29	101	65	54	38	---	65	231	1330	320	108	71	90
30	97	72	46	36	---	67	215	1260	340	104	70	84
31	94	---	43	36	---	73	---	1140	---	96	75	---
TOTAL	3869	2602	1911	1336	1309	2000	7893	29130	20614	4669	3552	3666
MEAN	125	86.7	61.6	43.1	46.8	64.5	263	940	687	151	115	122
AC-FT	7670	5160	3790	2650	2600	3970	15660	57780	40890	9260	7050	7270
MAX	201	138	80	54	62	80	479	1440	1030	289	173	233
MIN	91	65	38	36	36	54	92	211	320	96	70	64

CAL YR 1990 TOTAL 58011 MEAN 159 MAX 1200 MIN 22 AC-FT 115100
WTR YR 1991 TOTAL 82551 MEAN 226 MAX 1440 MIN 36 AC-FT 163700

MAX DISCH 1610 CFS AT 2215 26-MAY-1991 GH 5.10 FT. SHIFT -0.02 FT. MAX GH 5.10 FT. AT 2215
26-MAY-1991

RIO GRANDE BASIN

08220000 RIO GRANDE NEAR DEL NORTE, CO

LOCATION.--Lat 37°41'22", long 106°27'38", in NW¼ sec.29, T.40 N., R.5 E., Rio Grande County, Hydrologic Unit 13010001, on right bank 20 ft downstream from county highway bridge, 6.0 mi west of Del Norte, and 18 mi upstream from Pinos Creek.

DRAINAGE AREA.--1,320 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,980.25 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Small diversions upstream from station for irrigation. Flow regulated by Beaver Creek Reservoir since 1910, Santa Maria Reservoir since 1912, Rio Grande Reservoir since 1912, and Continental Reservoir since 1925, combined capacity, 126,100 acre-ft, and by several smaller reservoirs. Transmountain diversions to drainage area upstream from station from Colorado River basin. Record is complete and reliable. Stage-discharge relation ice affected Nov. 23, 28-30, Dec. 1-31, 1990; Jan. 1-Mar. 9, 1991. Record is good except for ice affected periods which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--RIODELCO03 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	813	514	220	170	170	240	273	741	4010	1910	505	324
2	983	444	190	180	170	240	347	860	3380	1640	533	315
3	1030	477	180	190	170	240	362	905	2830	1560	589	337
4	924	434	200	200	190	250	380	955	2310	1250	665	334
5	857	406	210	190	180	260	513	945	2170	1150	622	334
6	803	408	220	190	180	230	741	1190	2480	1090	593	395
7	750	359	210	190	190	210	1030	1280	3260	1010	722	794
8	856	309	210	160	190	200	1080	1650	3730	1040	666	1080
9	834	311	230	170	190	200	817	2670	4340	1080	626	891
10	790	343	230	170	180	220	835	3170	4130	1070	648	815
11	764	343	240	190	190	220	778	3230	3160	956	625	910
12	729	336	260	180	210	205	620	2840	3040	1040	607	1040
13	698	339	250	190	220	207	520	2810	3160	1010	577	1050
14	667	340	200	200	190	224	485	3320	3270	993	538	975
15	635	350	170	190	200	212	494	3440	3290	951	512	886
16	613	351	210	180	220	224	574	3140	3120	943	575	817
17	589	350	200	180	210	192	739	2950	3120	946	497	765
18	557	355	180	180	200	214	911	3510	2990	888	459	726
19	555	340	180	170	190	231	1120	4050	2970	877	523	621
20	674	358	220	160	200	238	1220	4330	2860	853	508	572
21	613	337	190	170	210	223	1480	4540	2590	864	472	589
22	555	265	170	150	220	207	1490	4300	2110	967	440	572
23	585	250	150	150	220	201	1410	4010	1860	984	443	581
24	569	300	140	150	200	223	1290	3570	1960	920	432	563
25	596	301	160	160	180	251	1330	3180	2070	940	414	484
26	583	316	160	160	200	256	1260	3380	1970	871	416	433
27	568	315	160	180	210	217	1060	3750	1860	845	430	425
28	557	212	170	170	220	218	1000	3840	2030	763	391	426
29	555	182	200	160	---	214	875	3940	2010	709	373	428
30	569	205	160	160	---	208	812	4090	2040	684	342	410
31	577	---	160	170	---	224	---	4080	---	580	335	---
TOTAL	21448	10150	6030	5410	5500	6899	25846	90666	84120	31384	16078	18892
MEAN	692	338	195	175	196	223	862	2925	2804	1012	519	630
AC-FT	42540	20130	11960	10730	10910	13680	51270	179800	166900	62250	31890	37470
MAX	1030	514	260	200	220	260	1490	4540	4340	1910	722	1080
MIN	555	182	140	150	170	192	273	741	1860	580	335	315
CAL YR 1990 TOTAL		265165	MEAN	726	MAX	4850	MIN	86	AC-FT	526000		
WTR YR 1991 TOTAL		322423	MEAN	883	MAX	4540	MIN	140	AC-FT	639500		
MAX DISCH		4758 CFS AT 0430	21-MAY-1991	GH		4.19 FT.	SHIFT		0.05 FT.	MAX GH		4.19 FT. AT 0430
21-MAY-1991												

RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO

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

DRAINAGE AREA.--53 mi².

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

REMARKS.--One small diversion above station. Record is complete and reliable except for the following periods: Nov.9, 1990-Mar.13, 1991 when the station was closed for the winter; Mar.15-Apr.6, 1991 when the float was frozen; Nov.8,1990 when the stage-discharge relation was ice affected. Record good except for periods of no gage-height record, and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--PINDELCO14 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	12	9.8	8.6	5.2	7.8	29	31	158	49	20	15
2	13	12	8.6	9.0	5.2	7.6	29	38	144	45	29	15
3	12	12	8.6	9.4	5.2	8.0	31	42	130	42	32	15
4	10	11	8.8	9.8	5.4	7.6	31	44	125	36	34	14
5	10	12	8.8	9.4	5.2	9.0	35	41	130	34	28	15
6	9.6	12	9.2	9.4	5.2	7.6	36	48	124	33	30	23
7	10	9.1	8.8	9.2	5.4	6.8	33	50	118	31	28	24
8	19	9.0	8.8	8.2	5.4	6.2	33	68	120	35	23	21
9	13	12	10	8.4	5.4	6.4	29	110	116	33	24	18
10	12	13	10	8.6	5.2	7.0	29	138	117	30	23	18
11	12	14	11	9.6	5.4	7.8	27	146	121	29	21	18
12	11	14	13	8.6	6.4	7.0	21	143	117	29	21	35
13	10	14	12	9.8	7.6	6.8	19	146	118	26	26	30
14	10	14	9.0	10	6.2	6.4	19	154	129	23	31	26
15	9.6	13	8.0	9.4	6.4	6.6	19	150	114	23	27	23
16	9.6	14	10	9.0	7.6	8.0	24	136	110	23	26	21
17	9.1	12	9.0	9.0	7.2	9.0	36	129	105	23	21	17
18	8.7	13	8.4	9.0	6.4	12	43	154	101	23	25	16
19	10	12	8.2	8.0	5.8	14	44	168	98	23	31	16
20	14	14	10	6.8	6.0	16	49	186	90	26	28	17
21	11	13	8.2	6.8	6.6	16	59	191	83	30	26	18
22	12	11	8.0	5.6	7.2	17	58	184	77	30	21	15
23	14	11	6.4	5.0	7.2	19	58	186	72	28	21	14
24	12	12	6.2	5.0	6.8	23	53	177	66	32	20	14
25	12	12	7.2	5.0	5.6	23	59	177	62	27	19	14
26	12	11	7.0	5.2	6.6	21	57	197	57	28	21	14
27	12	9.4	7.4	5.4	6.8	19	43	200	58	25	22	13
28	12	9.0	7.2	5.2	6.8	18	39	194	55	19	20	13
29	12	9.0	10	5.2	---	20	34	186	55	18	17	14
30	12	9.0	8.2	5.2	---	19	31	177	54	19	16	14
31	12	---	7.6	5.2	---	25	---	165	---	19	18	---
TOTAL	359.6	354.5	273.4	238.0	171.4	387.6	1107	4156	3024	891	749	540
MEAN	11.6	11.8	8.82	7.68	6.12	12.5	36.9	134	101	28.7	24.2	18.0
AC-FT	713	703	542	472	340	769	2200	8240	6000	1770	1490	1070
MAX	19	14	13	10	7.6	25	59	200	158	49	34	35
MIN	8.7	9.0	6.2	5.0	5.2	6.2	19	31	54	18	16	13

CAL YR 1990 TOTAL 5559.1 MEAN 15.2 MAX 122 MIN 0.60 AC-FT 11030
WTR YR 1991 TOTAL 12251.5 MEAN 33.6 MAX 200 MIN 5.0 AC-FT 24300

MAX DISCH 235 CFS AT 2215 26-MAY-1991 GH 2.38 FT. SHIFT -0.05 FT. MAX GH 2.38 FT. AT 2215

RIO GRANDE BASIN

082215000 RIO GRANDE NEAR MONTE VISTA, CO

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

DRAINAGE AREA.--1,590 mi².

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

REMARKS.--Diversions above station for irrigation of about 90,000 acres. Flow regulated by Beaver Creek, Santa Maria, Rio Grande, and Continental Reservoirs, combined capacity 126,100 acre-ft, and by several smaller reservoirs. Transmountain diversions to drainage area above station from Colorado River basin. Record is complete and reliable except for the following periods: Dec.4, 1990-Mar.22, 1991 when the stage-discharge relation was ice affected. Record is good except for periods of ice affected record which is fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--RIOMONCO17 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	268	70	171	175	170	250	271	164	1710	581	117	84			
2	280	97	187	170	170	255	341	161	1580	396	124	82			
3	328	146	144	180	165	250	374	168	1290	314	163	81			
4	158	149	160	185	165	250	406	198	962	191	182	81			
5	147	131	180	200	180	255	466	205	856	281	155	73			
6	137	91	190	195	175	260	604	340	1070	429	119	91			
7	116	97	195	190	175	235	867	496	1340	398	112	141			
8	119	198	200	190	180	225	1030	672	1340	415	116	324			
9	182	307	215	165	180	220	852	1150	1690	464	100	324			
10	208	346	260	175	180	225	801	1260	1610	493	100	244			
11	205	354	240	175	180	250	776	1080	864	426	106	264			
12	179	352	230	190	180	255	652	843	796	451	98	326			
13	164	320	265	185	200	245	541	872	996	441	93	443			
14	158	265	240	185	210	260	482	1120	960	436	90	370			
15	155	241	190	190	195	255	272	1110	946	404	87	274			
16	158	228	170	185	200	260	170	887	830	380	94	219			
17	153	239	195	180	215	260	206	869	869	375	78	190			
18	129	240	180	180	210	250	332	1370	810	304	71	171			
19	107	189	175	180	210	265	475	1560	781	276	87	153			
20	145	137	180	175	200	275	508	1540	727	281	111	122			
21	274	137	205	165	200	270	594	1850	617	261	106	127			
22	318	145	190	165	190	250	553	1640	473	304	102	131			
23	117	165	170	155	230	234	469	1430	528	289	104	123			
24	100	218	155	150	225	243	481	1400	648	259	104	117			
25	79	235	155	150	205	268	576	1300	697	208	105	109			
26	69	235	175	160	200	285	585	1260	620	186	104	84			
27	65	224	170	165	215	252	441	1350	536	189	111	78			
28	62	197	160	175	220	239	368	1300	616	196	112	83			
29	66	163	180	165	---	248	271	1270	632	165	109	81			
30	66	141	195	160	---	240	180	1330	658	144	103	82			
31	64	---	170	160	---	241	---	1300	---	137	89	---			
TOTAL	4776	6057	5892	5420	5425	7770	14944	31495	28052	10074	3352	5072			
MEAN	154	202	190	175	194	251	498	1016	935	325	108	169			
AC-FT	9470	12010	11690	10750	10760	15410	29640	62470	55640	19980	6650	10060			
MAX	328	354	265	200	230	285	1030	1850	1710	581	182	443			
MIN	62	70	144	150	165	220	170	161	473	137	71	73			
CAL YR 1990 TOTAL		106591	MEAN		292	MAX		1950	MIN	52	AC-FT	211400			
WTR YR 1991 TOTAL		128329	MEAN		352	MAX		1850	MIN	62	AC-FT	254500			
MAX DISCH		2123	CFS AT 0900		19-MAY-1991	GH		5.63	FT. SHIFT		0.00	FT. MAX GH		5.63	FT. AT 0900
19-MAY-1991															

RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO

LOCATION.--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec.4, T. 37 N., R. 10 E., Alamosa County, Hydrologic Unit 13010002, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

DRAINAGE AREA.--1,710 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,532.66 ft.

REMARKS.--Record is complete and reliable except for Oct. 29-30, 1990 due to recorder clock stopping and missing satellite record; Dec. 24, 1990 to Feb. 5, 1991 due to well freezing; Feb. 6-Mar. 12, 1991 when station was closed for winter; and June 25, Aug. 10-12, 1991 when the inlet was plugged. Stage-discharge relation was ice affected Nov. 29, Dec. 7-23, 1990, Mar. 13-17, 1991. Record is good except for periods of no gage-height and ice affected record which is fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--RIOALACO21 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	235	45	148	175	160	225	292	96	428	202	104	27
2	168	55	127	185	165	280	334	86	765	127	86	25
3	261	76	112	175	165	270	414	82	793	72	88	23
4	270	115	122	180	165	255	438	90	612	52	146	22
5	111	119	159	185	160	255	455	106	335	63	188	20
6	76	97	179	195	170	260	560	120	324	47	169	17
7	60	76	195	195	170	265	752	154	536	81	112	16
8	51	80	210	190	170	240	1020	191	687	61	92	28
9	49	152	240	190	170	245	1160	225	641	58	92	201
10	88	219	250	170	170	245	1010	458	861	85	90	226
11	157	260	275	180	175	255	979	405	792	106	87	193
12	184	307	225	180	175	285	937	226	260	75	84	150
13	177	341	200	190	175	295	803	85	199	79	82	252
14	150	287	245	190	195	280	687	78	366	77	69	369
15	124	214	205	180	205	310	605	194	367	70	62	255
16	111	183	155	185	195	285	282	136	270	57	54	121
17	126	168	145	180	205	306	166	39	181	44	51	103
18	123	169	165	185	210	291	158	56	181	76	48	143
19	103	172	135	180	210	304	209	142	175	131	48	180
20	94	117	145	185	215	313	178	272	193	143	46	169
21	126	77	155	180	205	319	144	368	154	154	44	130
22	298	71	170	170	205	300	215	529	93	156	44	141
23	307	79	170	165	175	275	160	528	44	246	40	150
24	115	97	150	155	240	268	93	515	46	246	36	127
25	90	151	140	150	230	279	100	519	176	189	37	111
26	72	164	150	150	215	313	202	478	199	179	37	91
27	63	143	170	160	215	330	154	460	133	178	37	72
28	56	120	160	165	225	287	140	438	97	156	42	64
29	52	165	145	170	---	281	133	405	173	160	49	62
30	50	138	175	165	---	282	113	364	211	140	34	59
31	42	---	195	160	---	279	---	394	---	113	30	---
TOTAL	3989	4457	5417	5465	5335	8677	12893	8239	10292	3623	2228	3547
MEAN	129	149	175	176	191	280	430	266	343	117	71.9	118
AC-FT	7910	8840	10740	10840	10580	17210	25570	16340	20410	7190	4420	7040
MAX	307	341	275	195	240	330	1160	529	861	246	188	369
MIN	42	45	112	150	160	225	93	39	44	44	30	16

CAL YR 1990 TOTAL 58853 MEAN 161 MAX 1040 MIN 25 AC-FT 116700
WTR YR 1991 TOTAL 74162 MEAN 203 MAX 1160 MIN 16 AC-FT 147100

MAX DISCH 1200 CFS AT 1030 09-APR-1991 GH 4.84 FT. SHIFT 0.08 FT. MAX GH 4.84 FT. AT 1030
09-APR-1991

RIO GRANDE BASIN

CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO

RIO GRANDE COMPACT STATION

LOCATION.--Lat 37°28'33", long 105°45'58", SW¼SW¼, sec.3, T.37 N., R.11 E., Alamosa County, Hydrologic Unit 13010002, 400 ft north of State Highway 160, 5.5 mi east of Alamosa, Co. on right bank of Closed Basin Project Canal.

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable. Stage-discharge relation affected by submergence from backwater created by check structure below flume Jan. 7-13, Feb. 1-5, Jun. 11 and Jul. 17, 1991. Record is good except for periods of backwater affected record which is fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--CBPALACO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	21	30	4.6	26	40	42	33	17	21	22	18	24			
2	25	30	4.1	27	41	42	26	14	20	20	16	23			
3	30	33	4.4	30	40	39	22	15	29	22	19	24			
4	32	34	4.6	33	45	45	19	16	25	25	21	22			
5	29	29	4.8	34	38	40	19	16	19	23	18	21			
6	27	29	7.4	32	41	38	20	16	29	20	19	21			
7	26	30	7.2	32	39	39	19	19	27	21	23	21			
8	26	27	7.3	38	40	47	19	20	24	24	27	23			
9	28	27	6.8	37	38	45	22	19	23	21	27	25			
10	29	26	6.6	37	41	41	22	18	21	22	27	19			
11	29	26	5.8	36	43	38	23	18	28	19	26	20			
12	26	24	5.4	38	41	36	22	20	26	20	26	24			
13	26	24	5.4	37	45	34	22	20	25	19	26	27			
14	30	23	5.6	36	48	28	24	24	23	17	23	23			
15	29	17	6.1	39	43	27	26	25	25	18	19	20			
16	28	6.5	6.4	39	42	28	23	19	24	19	26	21			
17	30	4.7	6.4	36	44	28	23	16	24	21	29	26			
18	30	4.5	6.4	41	42	30	26	14	24	22	22	27			
19	29	4.4	6.0	43	42	26	29	15	28	23	21	26			
20	33	5.1	6.1	40	40	32	24	18	26	24	22	25			
21	35	5.4	6.2	38	40	34	22	18	27	25	21	20			
22	33	6.5	6.3	38	39	36	23	21	22	25	20	19			
23	34	10	6.2	40	35	37	20	26	21	25	23	23			
24	31	9.5	8.1	37	30	35	19	25	22	26	21	24			
25	37	8.7	15	37	37	34	17	22	20	26	24	20			
26	35	8.0	14	37	34	34	20	24	20	26	21	17			
27	33	6.5	13	37	37	39	21	26	21	26	26	17			
28	31	6.1	12	39	40	37	20	26	20	25	28	21			
29	30	5.9	13	41	---	38	20	25	21	23	29	24			
30	31	5.6	15	43	---	36	18	25	19	23	31	24			
31	30	---	21	41	---	36	---	23	---	23	27	---			
TOTAL	923	506.4	247.2	1139	1125	1121	663	620	704	695	726	671			
MEAN	29.8	16.9	7.97	36.7	40.2	36.2	22.1	20.0	23.5	22.4	23.4	22.4			
AC-FT	1830	1000	490	2260	2230	2220	1320	1230	1400	1380	1440	1330			
MAX	37	34	21	43	48	47	33	26	29	26	31	27			
MIN	21	4.4	4.1	26	30	26	17	14	19	17	16	17			
CAL YR 1990 TOTAL		9733.6	MEAN	26.7	MAX	65	MIN	4.1	AC-FT	19310					
WTR YR 1991 TOTAL		9140.6	MEAN	25.0	MAX	48	MIN	4.1	AC-FT	18130					
MAX DISCH		66 CFS	AT 0545	08-MAR-1991	GH	1.21	FT.	SHIFT	0.03	FT.	MAX	GH	1.21	FT.	AT 0545
08-MAR-1991															

RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO

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

DRAINAGE AREA.--595 mi².

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

REMARKS.--Natural flow affected by Tarbell Ditch Transmountain Diversion and irrigation diversions above the station. Record is complete and reliable except for Oct. 29,30, Dec.27, 1990 and Jan. 7, 1991 when the clock stopped and satellite record was incomplete. Stage-discharge relation ice affected Nov. 26,27,29,30; Dec. 1-26, 28-31, 1990; Jan. 1-6, 8-31; Feb. 1-28; Mar. 1-4, 7-10,22, 1991. Record good except for periods of ice affect and no gage-height record which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--SAGSAGCO15 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	60	47	27	23	23	27	39	47	145	74	55	37			
2	61	48	27	23	24	28	51	56	138	70	61	35			
3	68	55	26	23	24	29	56	67	140	65	66	38			
4	60	50	25	26	25	28	61	65	130	57	88	39			
5	54	48	26	25	24	30	71	59	121	52	76	39			
6	51	48	28	23	25	28	101	62	145	51	65	40			
7	50	46	26	23	26	26	116	71	160	54	81	48			
8	68	36	26	23	27	27	88	83	148	61	78	56			
9	66	45	28	23	26	27	53	120	141	78	65	50			
10	58	46	27	23	25	30	47	130	140	78	67	44			
11	56	46	28	24	25	32	44	125	143	70	60	48			
12	54	44	31	25	26	28	38	117	144	72	60	50			
13	53	45	32	29	29	27	29	109	152	73	60	54			
14	50	44	27	26	29	27	30	120	155	64	60	50			
15	50	45	24	25	26	25	36	130	169	55	54	44			
16	49	48	29	24	28	26	41	118	152	52	54	40			
17	49	47	28	25	28	26	59	107	136	57	49	38			
18	47	49	27	24	25	25	81	108	125	60	45	35			
19	48	44	26	23	25	29	78	138	118	62	49	35			
20	60	47	28	23	28	32	80	179	112	63	46	35			
21	57	40	22	21	27	25	94	189	108	69	42	36			
22	49	27	20	21	27	26	86	180	100	96	40	33			
23	59	26	20	20	28	28	77	162	92	112	40	32			
24	57	32	20	21	26	34	65	156	86	102	38	32			
25	55	33	22	21	25	35	66	138	80	103	40	31			
26	54	31	22	21	25	39	76	150	72	84	44	31			
27	52	27	22	24	25	31	59	161	71	75	44	32			
28	50	24	22	21	26	28	51	165	67	64	50	31			
29	49	24	24	22	---	27	48	164	66	58	59	33			
30	48	26	22	24	---	28	44	158	73	56	43	35			
31	47	---	21	24	---	28	---	154	---	57	41	---			
TOTAL	1689	1218	783	723	727	886	1865	3788	3629	2144	1720	1181			
MEAN	54.5	40.6	25.3	23.3	26.0	28.6	62.2	122	121	69.2	55.5	39.4			
AC-FT	3350	2420	1550	1430	1440	1760	3700	7510	7200	4250	3410	2340			
MAX	68	55	32	29	29	39	116	189	169	112	88	56			
MIN	47	24	20	20	23	25	29	47	66	51	38	31			
CAL YR 1990 TOTAL		19560	MEAN	53.6	MAX	256	MIN	12	AC-FT	38800					
WTR YR 1991 TOTAL		20353	MEAN	55.8	MAX	189	MIN	20	AC-FT	40370					
MAX DISCH		195	CFS AT 2200	20-MAY-1991	GH	2.53	FT.	SHIFT	-0.07	FT.	MAX	GH	2.53	FT.	AT 2200
20-MAY-1991															

RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO

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

DRAINAGE AREA--10.7 mi².

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

REMARKS--Record is complete and reliable except for the following periods: Nov 29, 1990-Mar.26, 1991 when station was closed for the winter; Apr.3-16, May 1-5, 22-26, June 7-14, when clock stopped. Stage-discharge relation was ice-affected Nov.27,28, 1990. Record is good except for periods of no gage-height record and ice affected record which is fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE--NOCRES009 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	25	15	6.2	3.5	2.9	3.1	4.2	5.2	32	25	20	10			
2	28	14	6.6	3.6	2.8	3.1	4.8	5.6	28	21	20	9.8			
3	31	13	4.8	3.7	2.9	2.9	4.7	6.4	26	21	27	9.4			
4	27	14	5.0	4.5	3.2	3.1	4.7	7.4	25	19	45	9.1			
5	26	13	5.4	4.5	3.0	3.6	4.9	8.0	35	18	80	9.1			
6	24	12	5.4	4.5	3.0	3.1	5.0	9.1	41	17	66	9.4			
7	22	12	5.2	3.6	3.1	2.7	5.2	10	40	16	48	10			
8	22	12	5.6	4.0	3.3	2.5	5.4	16	42	18	38	9.4			
9	21	11	6.2	3.7	3.2	2.4	4.7	26	44	18	34	8.8			
10	20	10	6.2	3.8	2.9	3.3	5.4	24	42	17	32	9.4			
11	19	10	6.4	3.4	2.9	3.6	5.8	27	41	15	30	8.8			
12	18	10	6.6	3.4	3.0	2.7	5.6	28	41	18	30	10			
13	18	10	7.2	4.0	3.0	2.7	4.9	30	41	18	28	10			
14	17	10	6.0	3.9	3.1	3.3	5.4	30	41	18	28	9.8			
15	16	10	4.4	3.5	3.2	2.9	5.8	28	40	15	25	9.4			
16	15	10	5.4	3.7	3.6	3.2	6.6	23	40	14	22	9.1			
17	14	10	5.6	3.4	3.5	2.9	7.7	22	38	12	20	8.8			
18	13	10	4.6	3.2	2.6	3.4	9.1	27	40	11	22	8.4			
19	13	10	4.8	3.2	2.3	3.7	9.1	35	38	12	24	8.0			
20	13	10	5.6	3.3	2.6	3.3	10	46	38	10	23	8.0			
21	13	9.4	4.0	3.4	2.8	3.3	12	49	37	10	20	7.7			
22	13	9.4	3.6	2.5	2.9	3.2	10	46	35	11	18	7.4			
23	13	9.8	3.2	2.6	2.9	3.2	9.1	46	31	15	18	7.0			
24	13	8.8	3.5	2.7	2.8	3.2	8.8	46	28	18	17	7.0			
25	14	8.0	3.7	3.2	2.4	3.7	8.4	45	26	18	16	6.7			
26	15	7.7	3.5	2.8	2.6	3.6	7.7	45	25	27	14	6.4			
27	15	6.8	3.5	3.2	2.7	3.6	6.7	45	22	33	14	6.4			
28	15	5.6	3.8	2.8	3.1	3.4	6.4	45	23	31	13	6.4			
29	16	5.0	4.8	2.8	---	3.2	5.9	41	24	26	13	6.4			
30	15	5.4	3.5	2.7	---	3.6	5.4	37	28	22	12	6.2			
31	15	---	3.3	2.7	---	3.8	---	33	---	20	10	---			
TOTAL	559	301.9	153.6	105.8	82.3	99.3	199.4	891.7	1032	564	827	252.3			
MEAN	18.0	10.1	4.95	3.41	2.94	3.20	6.65	28.8	34.4	18.2	26.7	8.41			
AC-FT	1110	599	305	210	163	197	396	1770	2050	1120	1640	500			
MAX	31	15	7.2	4.5	3.6	3.8	12	49	44	33	80	10			
MIN	13	5.0	3.2	2.5	2.3	2.4	4.2	5.2	22	10	10	6.2			
CAL YR 1990 TOTAL		5279.2	MEAN	14.5	MAX	134	MIN	0.90	AC-FT	10470					
WTR YR 1991 TOTAL		5068.3	MEAN	13.9	MAX	80	MIN	2.3	AC-FT	10050					
MAX DISCH		82 CFS	AT 2145	05-AUG-1991	GH	2.06	FT.	SHIFT	-0.02	FT.	MAX	GH	2.06	FT.	AT 2145
05-AUG-1991															

RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO

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

DRAINAGE AREA.--117 mi².

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

REMARKS.--Natural flow of stream affected by diversions above station for irrigation. Record is complete and reliable except for the following periods: Nov.9, 28-31, 1990 when the float was frozen; Dec.1,1990-Mar.25,1991 when station was closed for winter; Mar.26-31, Apr.1, 13, 1991 when float was frozen. Stage-discharge relation was ice-affected Nov.4-8, 10-22,25-27, 1990, and Apr.2-10, 14, 15, 1991. Record is good except for periods of no gage-height record and ice affected record which is fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--CARLAGCO14 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	6.0	4.1	0.98	0.66	3.9	9.0	8.2	15	4.0	5.0	2.6
2	9.0	6.2	4.0	1.0	0.72	4.3	10	10	15	3.5	5.5	2.6
3	10	7.9	3.9	1.0	0.72	4.6	12	10	14	4.0	6.8	3.2
4	8.6	6.2	3.8	1.2	0.80	4.3	13	10	14	3.8	10	2.8
5	7.6	5.2	3.8	1.0	0.78	5.4	17	9.0	14	3.8	8.2	3.8
6	7.2	6.0	4.1	0.88	0.82	4.7	23	10	13	2.8	6.0	4.0
7	6.8	5.2	3.7	0.86	0.86	4.4	23	11	14	2.4	5.2	4.2
8	7.9	4.7	3.6	0.86	0.92	4.5	16	12	15	3.0	5.2	4.0
9	7.6	5.6	3.9	0.86	0.90	4.2	10	18	13	7.9	4.5	2.8
10	7.2	5.0	3.7	0.84	0.88	5.6	8.2	19	12	9.6	4.8	2.6
11	6.5	5.2	3.8	0.86	0.90	5.2	9.3	19	12	6.5	7.2	3.0
12	6.2	5.0	4.2	0.88	0.96	6.2	6.0	17	12	7.2	5.8	3.5
13	6.2	5.0	4.2	1.0	1.6	5.6	4.6	16	13	6.0	6.2	4.2
14	6.2	4.9	3.2	0.86	1.6	5.4	4.9	17	14	5.0	6.8	4.2
15	5.8	4.8	2.4	0.78	1.3	5.2	5.2	17	16	3.5	6.2	3.8
16	6.0	5.2	3.1	0.72	2.1	7.0	10	16	15	3.5	5.5	3.0
17	5.5	5.0	2.9	0.74	2.0	6.4	16	15	12	5.8	4.2	3.0
18	5.2	4.8	2.6	0.70	1.7	6.0	15	16	10	3.8	3.8	2.6
19	5.2	4.2	2.3	0.66	1.7	6.4	13	16	9.3	3.8	3.8	2.6
20	7.6	5.0	2.8	0.68	2.7	7.2	14	23	9.3	5.2	3.5	2.4
21	6.0	4.0	1.5	0.62	2.8	7.0	14	27	9.0	6.5	2.6	2.8
22	6.5	4.1	1.1	0.60	2.8	8.0	13	24	7.2	9.0	2.4	2.3
23	6.5	4.2	1.1	0.58	3.4	7.8	11	23	6.2	12	2.3	2.0
24	6.8	4.8	1.0	0.60	3.3	7.6	10	21	5.8	9.6	2.2	1.9
25	6.2	4.6	1.2	0.62	3.2	8.0	11	20	5.5	11	2.3	1.9
26	7.6	4.6	1.1	0.62	3.2	8.6	12	20	4.2	9.6	3.0	2.0
27	6.5	4.6	1.1	0.72	3.2	9.0	7.9	20	4.2	8.6	2.4	2.0
28	6.5	4.2	1.1	0.62	3.5	8.0	7.9	18	4.0	6.2	2.3	1.9
29	6.0	3.9	1.2	0.64	---	8.6	7.9	18	4.2	5.2	2.6	2.2
30	6.0	4.0	1.0	0.68	---	8.2	8.2	16	4.2	4.8	2.8	3.2
31	6.0	---	0.94	0.68	---	8.6	---	16	---	5.2	2.4	---
TOTAL	212.5	150.1	82.44	24.34	50.02	195.9	342.1	512.2	316.1	182.8	141.5	87.1
MEAN	6.85	5.00	2.66	0.79	1.79	6.32	11.4	16.5	10.5	5.90	4.56	2.90
AC-FT	421	298	164	48	99	389	679	1020	627	363	281	173
MAX	10	7.9	4.2	1.2	3.5	9.0	23	27	16	12	10	4.2
MIN	5.2	3.9	0.94	0.58	0.66	3.9	4.6	8.2	4.0	2.4	2.2	1.9

CAL YR 1990 TOTAL 3038.74 MEAN 8.33 MAX 48 MIN 0.00 AC-FT 6030
WTR YR 1991 TOTAL 2297.10 MEAN 6.29 MAX 27 MIN 0.58 AC-FT 4560

MAX DISCH 38 CFS AT 2230 05-APR-1991 GH 2.59 FT. SHIFT -0.13 FT. MAX GH 2.63 FT. AT 0745
12-NOV-1990

RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO

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

DRAINAGE AREA.--61 mi².

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

REMARKS.--Diversions above station for irrigation. Record is complete and reliable except for the following periods: Nov.29, 1990-Mar.26,1991 when station was closed for the winter. Stage-discharge relation was ice-affected Nov.5-13, 22-28, 1990; Mar.27, 28, 30, 1991; Apr.14, 1991. Stage-discharge relation was affected by backwater due to bio-activity Aug.3-8, 11, 12, 1991. Record is good except for periods of no gage-height, ice-affected record and backwater affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--LAGLAGC012 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	7.3	5.4	2.5	2.8	3.6	6.2	9.5	23	7.0	7.0	4.7
2	12	7.7	5.2	2.6	2.9	3.8	9.0	18	21	7.0	7.0	5.9
3	13	9.0	5.0	2.6	2.9	4.0	10	29	21	7.7	7.0	7.7
4	12	7.0	4.8	3.0	3.1	3.6	10	22	20	7.3	7.0	6.2
5	10	7.0	4.8	2.9	2.9	4.2	13	13	19	7.0	7.0	5.9
6	9.0	7.7	5.2	2.7	3.0	3.6	24	18	18	6.2	7.3	7.0
7	9.0	7.4	4.8	2.6	3.1	3.3	25	20	22	6.2	7.3	10
8	10	7.2	4.8	2.6	3.2	3.3	18	22	23	7.7	7.3	7.7
9	10	8.2	5.0	2.7	3.1	3.0	9.5	40	19	10	7.3	5.9
10	10	8.0	4.9	2.6	3.0	3.9	12	40	18	9.0	8.5	5.3
11	9.5	8.2	5.0	2.8	3.0	3.7	9.0	34	18	7.0	8.5	5.6
12	9.0	8.0	5.6	3.0	3.2	4.1	6.2	30	18	9.0	7.7	6.2
13	8.5	8.1	5.8	3.6	3.8	3.8	4.7	25	18	7.3	10	7.0
14	8.1	8.1	4.2	3.3	3.7	3.7	6.0	33	23	6.2	10	5.9
15	7.7	8.1	3.3	3.0	3.2	3.6	6.2	30	25	5.9	9.0	5.3
16	7.3	9.0	3.9	2.8	3.5	4.3	10	20	19	12	9.5	5.0
17	7.3	9.5	3.7	3.0	3.5	4.0	16	21	16	8.5	7.7	4.7
18	7.0	8.1	3.5	2.9	3.1	3.8	18	25	14	6.2	6.6	3.8
19	7.7	7.7	3.3	2.8	3.1	3.9	17	29	13	7.7	7.0	4.1
20	10	9.0	3.6	2.8	3.5	4.1	19	38	13	10	6.6	4.1
21	8.1	7.0	2.4	2.5	3.4	4.0	32	43	12	11	5.6	4.1
22	8.1	7.4	2.1	2.4	3.4	4.3	29	38	11	13	5.0	3.8
23	10	6.4	2.1	2.2	3.5	4.2	23	38	10	13	5.9	3.6
24	10	6.8	2.1	2.3	3.3	4.1	18	34	9.0	9.5	5.3	3.4
25	8.5	6.6	2.3	2.4	3.1	4.3	24	32	7.7	9.5	5.3	3.4
26	9.0	6.6	2.3	2.4	3.1	4.4	26	32	7.3	12	5.9	3.4
27	8.5	6.6	2.4	2.8	3.1	4.5	15	32	7.3	10	6.6	3.4
28	8.1	5.6	2.4	2.5	3.3	4.2	12	30	7.0	7.7	5.6	3.6
29	7.3	4.8	2.6	2.6	---	4.4	10	30	7.0	7.0	5.3	3.6
30	7.3	5.0	2.4	2.9	---	4.7	9.5	26	7.3	7.0	4.7	4.1
31	7.0	---	2.2	2.9	---	5.0	---	25	---	7.0	5.3	---
TOTAL	284.0	223.1	117.1	84.7	89.8	123.4	447.3	876.5	466.6	261.6	215.8	154.4
MEAN	9.16	7.44	3.78	2.73	3.21	3.98	14.9	28.3	15.6	8.44	6.96	5.15
AC-FT	563	443	232	168	178	245	887	1740	926	519	428	306
MAX	15	9.5	5.8	3.6	3.8	5.0	32	43	25	13	10	10
MIN	7.0	4.8	2.1	2.2	2.8	3.0	4.7	9.5	7.0	5.9	4.7	3.4
CAL YR 1990 TOTAL		3968.1	MEAN	10.90	MAX	60	MIN	0.80	AC-FT	7870		
WTR YR 1991 TOTAL		3344.3	MEAN	9.16	MAX	43	MIN	2.1	AC-FT	6630		
MAX DISCH		60 CFS AT 0300	09-MAY-1991	GH		2.75 FT.	SHIFT		0.04 FT.	MAX GH		2.75 FT. AT 0300
09-MAY-1991												

RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO

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

DRAINAGE AREA.--107 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Oct.26, 29, 30, 1990 when the cable slipped off chart recorder wheel; Nov.30, Dec.22-30, 1990 when the clock stopped; Dec.31, 1990-Jan.23, 1991 when the well was frozen; Jan.23-Mar.19,1991 when the station was closed for the winter; Nov.6-10, 22-29, Dec.1-21, Mar.20-23, 28-30, when the stage-discharge relation was ice-affected. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--ALATERCO14 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	61	30	22	26	24	29	99	537	224	75	49
2	103	60	26	23	26	22	37	108	493	184	125	47
3	97	60	25	24	26	21	40	116	377	166	152	46
4	87	50	27	31	27	22	42	121	368	150	167	43
5	82	49	29	30	26	24	68	116	434	137	157	48
6	76	47	28	30	26	22	114	139	438	129	149	80
7	75	42	27	28	28	19	149	161	423	117	167	91
8	119	40	29	30	28	17	135	216	495	122	122	110
9	95	41	30	28	26	18	115	388	512	133	113	76
10	90	42	31	28	24	20	118	497	463	110	112	69
11	97	43	31	26	25	21	110	585	472	101	97	81
12	91	44	32	26	26	20	89	555	477	94	93	194
13	84	44	32	29	24	19	72	575	506	88	103	193
14	77	44	27	30	23	19	64	669	544	84	115	151
15	73	43	25	27	24	19	63	608	468	75	94	123
16	68	43	29	27	26	20	76	510	432	73	112	104
17	62	42	26	26	24	18	125	479	447	71	91	92
18	55	41	25	29	23	19	161	657	434	74	91	82
19	59	39	28	29	20	20	172	744	405	86	154	74
20	66	40	29	29	21	20	196	707	378	79	102	72
21	58	29	27	27	22	20	248	671	364	82	88	74
22	57	27	21	27	23	20	241	600	333	110	78	64
23	63	29	18	27	23	21	221	613	303	110	76	58
24	62	31	16	26	24	24	202	565	283	123	74	54
25	64	32	19	27	21	27	225	614	263	117	70	50
26	67	31	19	26	21	27	206	720	237	97	69	45
27	67	29	19	26	20	25	157	787	213	84	73	44
28	67	26	21	26	22	24	134	758	246	71	71	44
29	66	25	27	28	---	24	115	730	240	66	60	47
30	64	28	23	26	---	24	108	682	283	68	57	45
31	60	---	21	27	---	24	---	611	---	66	59	---
TOTAL	2348	1202	797	845	675	664	3832	15401	11868	3291	3166	2350
MEAN	75.7	40.1	25.7	27.3	24.1	21.4	128	497	396	106	102	78.3
AC-FT	4660	2380	1580	1680	1340	1320	7600	30550	23540	6530	6280	4660
MAX	119	61	32	31	28	27	248	787	544	224	167	194
MIN	55	25	16	22	20	17	29	99	213	66	57	43
CAL YR 1990 TOTAL		28389.0	MEAN	77.8	MAX	592	MIN	5.5	AC-FT	56310		
WTR YR 1991 TOTAL		46439	MEAN	127	MAX	787	MIN	16	AC-FT	92110		
MAX DISCH		960 CFS	AT 2245	26-MAY-1991	GH	2.94 FT.	SHIFT	0.06 FT.	MAX GH	2.94 FT.	AT 2245	
26-MAY-1991												

RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO

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

DRAINAGE AREA.--116 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Jan.23, 1991 when pen stopped inking; Jan. 26-Mar.19, Apr.8, 9, 1991 when the clock stopped. Record is good except for periods of no gage-height record which is fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--ALABELC011 USED FROM 01-OCT-1990 TO 31-JUL-1991

RATING TABLE.--ALABELC012 USED FROM 01-AUG-1991 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	40	57	1.9	2.4	3.8	4.7	6.5	104	644	271	107	76		
2	40	24	1.9	2.4	3.8	4.7	6.5	106	575	271	107	76		
3	41	0.90	1.9	2.4	3.9	4.8	6.8	106	438	271	118	76		
4	68	0.80	1.9	2.4	3.9	4.8	7.9	106	380	271	126	76		
5	83	0.80	1.9	2.4	3.9	4.8	9.1	120	455	224	148	76		
6	83	0.80	1.9	2.4	4.0	4.8	9.1	132	500	190	162	76		
7	83	0.80	1.9	2.4	4.0	4.9	8.8	132	442	190	179	76		
8	83	0.80	1.9	2.4	4.1	4.9	8.4	162	460	190	192	76		
9	83	0.80	1.9	2.7	4.1	4.9	8.4	251	486	190	192	76		
10	83	0.80	1.9	2.7	4.1	4.9	8.2	384	491	197	190	89		
11	104	0.80	1.9	2.7	4.2	5.0	8.2	575	486	205	187	99		
12	120	0.80	1.9	2.7	4.2	5.0	8.2	686	451	205	143	99		
13	118	0.90	2.0	2.7	4.3	5.0	4.9	650	425	203	118	137		
14	117	0.90	2.2	2.7	4.3	5.1	107	698	425	187	118	182		
15	117	1.0	2.2	2.7	4.3	5.1	107	740	429	172	118	190		
16	115	1.0	2.2	2.7	4.4	5.1	107	644	451	155	118	190		
17	115	1.2	2.2	2.7	4.4	5.2	107	536	473	146	118	113		
18	76	1.2	2.2	2.7	4.4	5.2	122	513	473	143	118	74		
19	53	1.2	2.0	3.3	4.4	5.2	190	518	446	155	118	74		
20	54	1.3	2.0	3.3	4.5	5.5	211	668	408	164	118	74		
21	54	1.4	2.0	3.3	4.5	5.5	195	770	388	164	118	74		
22	54	1.4	2.0	3.3	4.5	5.5	248	746	360	177	118	74		
23	65	1.4	2.0	3.3	4.5	5.8	288	740	332	184	104	74		
24	80	1.6	2.0	3.5	4.6	6.0	219	692	296	200	95	74		
25	80	1.6	2.0	3.5	4.6	6.0	184	644	271	211	95	74		
26	80	1.8	2.0	3.5	4.6	6.2	184	639	271	197	95	74		
27	80	1.8	2.0	3.6	4.7	6.2	184	770	271	172	94	74		
28	80	1.8	2.0	3.6	4.7	6.2	184	886	271	148	94	73		
29	65	1.8	2.0	3.7	---	6.2	157	788	271	120	83	73		
30	57	1.8	2.4	3.7	---	6.2	117	722	271	107	76	64		
31	57	---	2.4	3.7	---	6.2	---	704	---	107	76	---		
TOTAL	2428	114.20	62.6	91.5	119.7	165.6	3056.1	15932	12340	5787	3843	2733		
MEAN	78.3	3.81	2.02	2.95	4.27	5.34	102	514	411	187	124	91.1		
AC-FT	4820	227	124	181	237	328	6060	31600	24480	11480	7620	5420		
MAX	120	57	2.4	3.7	4.7	6.2	288	886	644	271	192	190		
MIN	40	0.80	1.9	2.4	3.8	4.7	6.5	104	271	107	76	64		
CAL YR 1990 TOTAL	27321.10	MEAN	74.9	MAX	698	MIN	0.80	AC-FT	54190					
WTR YR 1991 TOTAL	46672.70	MEAN	128	MAX	886	MIN	0.80	AC-FT	92580					
MAX DISCH	900 CFS	AT 1130	28-MAY-1991	GH	4.99	FT.	SHIFT	0.01	FT.	MAX	GH	4.99	FT.	AT 1130
28-MAY-1991														

RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO

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

DRAINAGE AREA.--98 mi².

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

REMARKS.--Flow regulated by La Jara Reservoir. Small diversions above station for irrigation. Record is complete and reliable except for the following periods: Nov.9, 1990-Mar.19, 1991 when station was closed for the winter; Mar.20, 21,25,26, 1991 when float was frozen. Stage-discharge relation was ice affected Nov.4-8, 1990, Mar.22-24, 27-31, 1991. Record is good except for periods of no gage-height record, ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--LAJCAPCO16 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	9.7	6.6	4.4	6.0	12	9.8	31	29	11	8.2	8.5
2	7.0	7.4	5.4	4.5	6.0	9.6	12	34	28	10	8.8	8.2
3	7.0	7.7	5.0	4.6	6.2	9.0	15	34	29	10	10	8.6
4	6.9	7.6	5.4	6.0	6.8	9.4	21	34	25	10	18	8.5
5	9.7	6.8	6.0	5.8	6.4	11	47	34	23	9.8	17	9.1
6	12	6.4	5.4	5.8	6.6	9.4	103	34	22	9.4	14	15
7	13	6.4	5.2	5.4	7.4	8.4	111	38	18	9.5	16	16
8	15	6.8	5.8	6.2	7.4	8.0	87	38	17	9.2	11	12
9	14	8.0	6.0	5.4	7.2	8.2	63	47	16	10	11	10
10	13	8.4	6.2	5.4	6.8	9.0	70	49	26	9.2	12	9.5
11	18	8.6	6.2	4.9	7.4	9.4	56	49	26	8.4	9.3	9.5
12	17	8.6	6.4	4.9	8.0	9.0	53	50	26	8.4	8.8	11
13	18	8.6	6.4	6.0	7.6	8.6	41	47	28	8.0	10	14
14	18	8.6	4.9	6.6	7.6	8.6	37	55	31	7.7	14	12
15	18	8.8	4.5	5.2	8.2	8.6	54	55	28	7.6	27	9.9
16	18	9.0	5.6	5.2	9.2	8.8	68	55	26	7.5	18	8.9
17	18	8.6	4.8	5.0	8.6	8.2	68	55	24	7.9	14	8.6
18	17	8.6	4.6	5.6	8.4	8.8	63	54	23	8.3	13	8.1
19	18	8.6	5.2	5.6	7.6	9.2	56	55	23	7.5	14	8.5
20	25	8.6	5.8	6.8	8.2	8.4	54	62	22	7.2	14	8.2
21	23	8.0	4.9	6.0	8.8	8.2	59	71	18	8.9	11	8.6
22	22	7.0	4.1	5.4	9.2	8.4	53	63	17	11	9.8	8.2
23	22	7.4	3.7	5.4	9.2	8.8	48	57	16	12	9.6	7.8
24	22	7.6	3.5	5.0	9.6	9.8	45	46	16	12	9.2	7.8
25	12	7.8	4.0	5.2	8.8	10	46	42	16	12	9.8	7.4
26	9.9	7.4	4.0	5.2	9.0	9.4	44	38	16	12	9.4	7.8
27	9.3	6.8	4.0	5.6	8.8	9.0	36	34	15	14	9.7	7.5
28	11	5.6	4.2	5.6	9.6	8.8	34	31	12	10	9.6	7.7
29	12	5.6	6.0	6.8	---	8.8	32	28	12	8.4	9.1	7.9
30	10	6.2	4.6	5.6	---	8.8	32	26	12	7.9	9.1	7.8
31	8.5	---	4.2	6.2	---	9.2	---	30	---	7.5	9.0	---
TOTAL	452.4	231.2	158.6	171.3	220.6	280.8	1517.8	1376	640	292.3	373.4	282.6
MEAN	14.6	7.71	5.12	5.53	7.88	9.06	50.6	44.4	21.3	9.43	12.0	9.42
AC-FT	897	459	315	340	438	557	3010	2730	1270	580	741	561
MAX	25	9.7	6.6	6.8	9.6	12	111	71	31	14	27	16
MIN	6.9	5.6	3.5	4.4	6.0	8.0	9.8	26	12	7.2	8.2	7.4

CAL YR 1990 TOTAL 3531.1 MEAN 9.67 MAX 39 MIN 3.5 AC-FT 7000
WTR YR 1991 TOTAL 5997.0 MEAN 16.4 MAX 111 MIN 3.5 AC-FT 11900

MAX DISCH 228 CFS AT 2145 06-APR-1991 GH 4.60 FT. SHIFT -0.43 FT. MAX GH 4.60 FT. AT 2145
06-APR-1991

RIO GRANDE BASIN

SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO

LOCATION.--Lat 37°17'54", long 105°51'00, SW¼SW¼ sec.2, T.35 N., R.10 E., Conejos County, Hydrologic Unit 13100002, on right bank of ditch.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder.

REMARKS.--Record is complete and reliable except for the following periods: Dec.21-26, 1990 when the float was frozen; Dec.27, 1990-Mar.22,1991 when the station was closed for the winter; Nov.6-8, 29,30, Dec.3-11, 14,-20, 1990 when the stage-discharge relation was ice affected; Oct.1-31, Nov.1-5, 9,-28, Dec.1, 2, 12, 13, 1990, June 22-30, Jul.1-28, 1991 when the parshall flume was submerged. Record is good except for periods of no gage-height record, submerged record, and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--NORDSCCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	3.5	3.6	1.5	1.7	2.9	4.2	10	14	5.1	1.8	2.9
2	2.9	3.1	3.4	1.6	1.8	2.8	4.2	8.3	13	5.1	1.7	3.8
3	4.0	3.4	3.1	1.6	1.8	2.7	4.2	8.5	14	3.0	3.3	5.2
4	3.8	3.2	3.0	2.2	2.1	2.8	4.3	10	15	3.3	2.2	4.0
5	4.8	3.5	3.0	2.1	2.0	3.5	4.3	11	13	3.2	4.8	3.3
6	4.4	3.8	3.1	2.1	2.1	3.0	4.2	9.8	15	3.0	13	3.3
7	4.2	3.2	3.1	2.0	2.4	2.7	4.3	7.8	15	4.0	8.3	3.3
8	4.1	3.0	3.1	2.1	2.5	2.6	4.3	7.6	17	3.1	4.8	3.1
9	4.1	3.4	3.1	1.9	2.6	2.6	4.3	5.7	12	2.6	3.8	6.3
10	4.6	3.6	3.2	1.9	2.5	3.2	4.3	4.8	12	3.6	3.4	6.6
11	4.7	3.7	3.2	1.6	2.6	3.1	4.3	4.4	10	4.2	3.3	9.0
12	4.7	3.7	3.4	1.6	2.6	3.0	4.3	4.6	10	4.7	3.2	11
13	4.7	3.7	3.4	1.9	2.7	3.0	4.2	5.1	15	4.8	3.1	11
14	4.2	3.7	3.3	2.0	2.7	3.3	4.2	6.6	16	4.3	4.0	9.5
15	3.1	3.7	3.1	1.6	2.7	3.2	4.0	7.8	17	4.3	3.7	8.3
16	3.5	4.0	3.3	1.6	2.8	3.5	3.9	11	16	5.0	5.0	8.6
17	4.7	4.4	3.1	1.5	2.8	3.3	3.8	13	20	5.0	7.8	5.2
18	5.2	3.8	3.0	1.6	2.7	3.3	3.8	11	15	4.0	10	3.3
19	5.4	4.0	2.6	1.6	2.6	3.6	3.9	11	14	3.1	15	3.1
20	5.6	4.7	3.1	1.9	2.7	4.1	4.4	12	14	2.4	18	2.8
21	5.2	4.0	2.9	1.8	2.7	3.9	5.2	12	13	2.0	17	3.2
22	5.0	3.5	2.0	1.6	2.7	4.0	6.1	9.5	9.0	1.9	17	2.1
23	4.9	3.6	1.2	1.6	2.8	3.9	6.7	9.0	7.0	1.9	18	1.7
24	4.7	3.7	0.60	1.3	2.7	4.0	6.1	9.5	6.3	2.6	16	1.7
25	4.7	4.4	0.80	1.5	2.5	4.0	5.5	14	7.0	3.7	17	1.7
26	5.4	4.4	0.80	1.5	2.7	4.2	5.4	12	9.3	4.3	16	1.9
27	5.6	4.4	0.80	1.6	2.8	4.3	6.9	14	7.2	3.8	8.6	1.8
28	4.9	3.4	1.2	1.6	2.9	4.2	6.9	14	3.8	3.8	4.7	1.9
29	4.4	3.4	2.4	1.9	---	4.2	10	18	4.6	2.4	3.6	2.1
30	4.0	3.6	1.6	1.7	---	4.2	13	20	5.2	1.9	2.8	3.7
31	3.7	---	1.4	1.8	---	4.2	---	14	---	1.9	3.0	---
TOTAL	138.1	111.5	78.90	53.8	70.2	107.3	155.2	316.0	359.4	108.0	243.9	135.4
MEAN	4.45	3.72	2.55	1.74	2.51	3.46	5.17	10.2	12.0	3.48	7.87	4.51
AC-FT	274	221	156	107	139	213	308	627	713	214	484	269
MAX	5.6	4.7	3.6	2.2	2.9	4.3	13	20	20	5.1	18	11
MIN	2.9	3.0	0.60	1.3	1.7	2.6	3.8	4.4	3.8	1.9	1.7	1.7
CAL YR 1990 TOTAL	1340.15		MEAN	3.67	MAX	15	MIN	0.60	AC-FT	2660		
WTR YR 1991 TOTAL	1877.70		MEAN	5.14	MAX	20	MIN	0.60	AC-FT	3720		
MAX DISCH	23 CFS AT 1910		14-JUN-1991	GH	1.54 FT.		SHIFT	-0.03 FT.		MAX GH	1.61 FT. AT 0430	
07-NOV-1990												

RIO GRANDE BASIN
NORTON DRAIN NEAR LA SAUSES, CO

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

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder.

REMARKS.--Record is complete and reliable except for the following periods: Nov.9-26, 1990 when the float was frozen; Dec.23-26, 1990, Mar.23, 1991 when the clock stopped; Dec.27-Mar.22, 1991 when the station was closed for the winter; Apr.15-May 7, 1991 when the pen was not working. Stage-discharge relation was ice affected Nov.7, 8, 28-30, 1990, Dec.1, 1990. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--NORDLSCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	4.6	4.6	2.1	2.3	5.8	5.1	18	21	25	3.4	5.1
2	3.7	3.9	4.4	2.2	2.4	5.4	5.1	10	33	18	3.2	5.1
3	5.9	4.4	4.0	2.2	2.5	4.9	5.1	9.5	28	12	3.4	6.2
4	5.7	4.1	3.8	2.8	2.9	5.2	5.1	10	26	6.5	4.1	5.7
5	6.8	4.6	3.8	2.7	2.7	6.2	5.1	12	21	5.4	3.7	5.1
6	5.4	5.1	4.0	2.7	2.8	5.4	5.1	11	21	4.9	4.9	4.6
7	4.9	4.2	4.0	2.5	3.4	4.7	5.1	9.5	27	4.9	5.7	4.6
8	4.6	3.8	4.0	2.7	3.6	4.4	4.9	9.8	26	4.9	5.1	4.4
9	4.4	4.4	4.0	2.4	3.9	4.4	4.9	14	23	4.9	4.9	5.7
10	5.7	4.8	4.2	2.4	3.6	5.8	4.9	15	21	4.9	4.4	7.6
11	6.5	5.0	4.2	2.2	3.9	5.6	4.9	16	17	6.5	4.1	8.2
12	6.2	5.0	4.6	2.2	3.9	5.0	4.6	15	21	7.6	4.1	12
13	6.2	5.0	5.0	2.5	4.2	5.0	4.9	16	18	10	4.1	11
14	5.1	5.0	4.4	2.6	4.3	5.4	4.6	17	21	7.9	4.4	10
15	3.9	5.0	4.0	2.2	4.3	5.2	4.6	16	38	6.2	4.4	8.6
16	4.4	5.4	4.2	2.2	4.8	5.6	4.4	18	41	6.2	4.4	8.6
17	6.2	5.8	4.0	2.1	4.8	5.0	4.6	21	42	6.5	11	6.5
18	7.3	5.2	3.8	2.2	4.5	5.0	5.1	19	32	6.5	12	4.4
19	7.6	5.4	3.2	2.2	4.1	5.2	5.4	17	24	6.5	13	3.4
20	7.9	6.2	4.0	2.5	4.4	5.8	5.9	18	25	5.7	18	2.8
21	7.3	5.4	3.6	2.3	4.4	5.2	8.0	21	22	4.9	16	2.8
22	7.0	4.6	2.6	2.1	4.4	5.6	11	36	23	4.1	16	2.8
23	6.8	4.8	1.8	2.1	5.2	5.2	14	31	11	3.9	17	2.1
24	6.2	5.0	1.2	1.9	4.7	5.4	16	32	12	3.7	16	2.0
25	6.2	5.8	1.4	2.0	4.1	5.4	14	25	12	4.1	17	2.2
26	7.6	5.6	1.4	2.0	4.5	5.7	14	18	13	5.7	16	2.0
27	8.2	5.7	1.4	2.1	4.7	5.9	17	18	9.5	5.7	16	2.2
28	6.8	4.4	1.8	2.1	5.8	5.7	17	21	9.5	4.9	7.9	2.2
29	5.9	4.4	3.0	2.5	---	5.4	18	34	14	4.4	6.8	2.4
30	5.4	4.6	2.2	2.2	---	5.1	19	35	17	3.7	5.4	3.4
31	5.1	---	2.0	2.4	---	5.1	---	22	---	3.4	5.4	---
TOTAL	184.6	147.2	104.6	71.3	111.1	164.7	247.4	584.8	669.0	209.5	261.8	153.7
MEAN	5.95	4.91	3.37	2.30	3.97	5.31	8.25	18.9	22.3	6.76	8.45	5.12
AC-FT	366	292	207	141	220	327	491	1160	1330	416	519	305
MAX	8.2	6.2	5.0	2.8	5.8	6.2	19	36	42	25	18	12
MIN	3.7	3.8	1.2	1.9	2.3	4.4	4.4	9.5	9.5	3.4	3.2	2.0
CAL YR 1990 TOTAL	1862.8		MEAN	5.10	MAX	19	MIN	1.2	AC-FT	3690		
WTR YR 1991 TOTAL	2909.7		MEAN	7.97	MAX	42	MIN	1.2	AC-FT	5770		
MAX DISCH	44 CFS AT 1230		17-JUN-1991 GH				1.24 FT. SHIFT		-0.03 FT. MAX GH		1.24 FT. AT 1230	
17-JUN-1991												

RIO GRANDE BASIN

08240000 RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK, NEAR LASAUSES, CO

LOCATION.--Lat 37°18'58", long 105°44'32", in sec.35, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank 0.2 mi upstream from Trinchera Creek, 3.2 mi north of Lasauses, and 13 mi southeast of Alamosa.

DRAINAGE AREA.--5,740 mi², approximately, includes 2,940 mi² in closed basin in northern part of San Luis Valley, Co.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,500 ft, estimated from nearby level lines.

REMARKS.--Natural flow of stream affected by transmountain diversions, storage reservoirs, ground-water withdrawals and diversions for irrigation. Record is complete and reliable except for Jan. 7,1991 due to recorder clock stopping and missing satellite record, Jan. 11-31, Feb. 1-3, 1991 due to satellite system float frozen and recorder clock stopping; Aug. 24-31, Sep. 1-2, 1991 when the inlet was plugged. Stage-discharge relation was affected by ice Dec. 2-31, 1990; Jan. 1-6, 8-10, Feb. 4-28, Mar. 1-12, 1991. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--RIOTRICO11 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	122	174	210	200	280	323	175	435	299	137	80
2	118	137	170	210	200	275	329	154	534	262	127	75
3	111	160	180	225	205	350	358	146	792	218	121	71
4	156	177	225	205	205	325	400	145	760	171	126	71
5	132	203	210	210	205	310	433	148	564	153	156	72
6	93	201	220	215	195	305	467	160	379	146	170	69
7	79	188	230	225	200	305	565	169	452	132	157	68
8	73	176	240	230	205	305	763	192	639	141	135	66
9	70	190	255	230	205	295	972	212	672	136	125	67
10	84	271	285	225	200	305	1060	317	702	128	124	177
11	114	334	310	210	200	305	959	436	840	136	114	185
12	140	371	320	220	210	320	956	375	634	152	111	181
13	152	377	240	225	215	350	886	259	330	139	109	168
14	149	364	195	225	210	366	743	202	368	142	110	241
15	145	311	255	230	235	347	635	198	449	136	97	263
16	139	270	200	215	240	388	468	265	459	130	88	186
17	135	264	155	215	240	344	275	202	395	120	94	145
18	143	263	155	210	250	352	224	153	382	117	97	128
19	141	262	155	225	245	337	243	207	369	129	93	147
20	141	258	120	225	255	342	248	457	385	155	92	151
21	142	205	145	225	265	350	253	480	377	159	89	135
22	183	184	160	220	255	359	250	638	334	167	88	123
23	290	180	160	210	245	349	266	692	262	179	89	125
24	214	184	175	200	190	338	232	591	216	205	85	121
25	154	214	160	195	280	334	184	549	205	214	80	108
26	141	241	160	185	270	350	181	572	281	184	80	96
27	132	242	180	190	255	373	220	520	278	184	85	83
28	129	218	195	200	270	368	211	494	240	172	75	70
29	125	207	185	210	---	346	201	501	223	166	75	65
30	122	192	160	205	---	337	199	471	271	162	75	63
31	121	---	200	205	---	330	---	421	---	150	70	---
TOTAL	4208	6966	6174	6630	6350	10340	13504	10501	13227	5084	3274	3600
MEAN	136	232	199	214	227	334	450	339	441	164	106	120
AC-FT	8350	13820	12250	13150	12600	20510	26790	20830	26240	10080	6490	7140
MAX	290	377	320	230	280	388	1060	692	840	299	170	263
MIN	70	122	120	185	190	275	181	145	205	117	70	63

CAL YR 1990 TOTAL 69597 MEAN 191 MAX 1090 MIN 25 AC-FT 138000
WTR YR 1991 TOTAL 89858 MEAN 246 MAX 1060 MIN 63 AC-FT 178200

MAX DISCH 1070 CFS AT 0445 10-APR-1991 GH 4.63 FT. SHIFT 0.04 FT. MAX GH 4.63 FT. AT 0445
10-APR-1991

RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO

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

DRAINAGE AREA.--45 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Dec.23-25, 1990 when the well was frozen; Dec.26, 1990-Mar.25, 1991 when the station was closed for the winter; Apr.9-12, 1991 when the pen was not working. Stage-discharge relation was ice-affected Nov.30, Dec.1, 2, 4-10, 15, 16, 18, 21, 22, 1990. Stage-discharge relation was off Oct.7, 8, 1990 due to bio-activity, and may 16, 17, 1991 when the inlet pipe was broken. Record is good except for periods of no gage-height record and periods when stage-discharge relation was affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--TRITURCO12 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	9.0	6.6	6.6	7.2	9.6	10	19	113	38	17	14
2	9.8	9.4	7.2	7.0	7.4	9.4	11	18	103	36	17	13
3	12	9.0	6.5	7.4	7.6	9.0	9.8	20	97	36	18	14
4	11	8.0	5.6	7.2	8.0	9.0	11	20	88	35	20	14
5	9.8	8.3	6.4	9.0	8.4	9.2	14	20	80	31	19	14
6	9.8	8.6	6.6	9.2	8.4	9.0	19	20	85	29	20	14
7	11	8.3	6.6	8.0	8.2	8.4	23	22	77	28	21	13
8	11	8.3	6.6	8.0	8.8	7.4	19	27	74	28	19	12
9	11	8.0	7.0	8.0	9.6	7.0	16	36	72	28	19	12
10	10	8.3	7.0	7.6	8.8	7.4	16	52	74	26	18	13
11	9.8	8.3	7.1	7.2	9.0	8.4	15	70	74	26	19	12
12	9.8	8.3	7.1	6.8	9.2	7.6	15	77	71	23	18	12
13	9.8	8.0	7.1	7.2	9.8	7.2	13	77	68	22	20	13
14	9.4	8.3	6.5	7.4	9.8	7.2	13	80	74	21	20	11
15	9.0	8.3	6.0	8.0	9.8	7.2	13	81	68	21	18	11
16	9.0	8.0	6.2	6.6	9.8	7.2	14	83	65	21	17	11
17	9.0	8.0	7.1	7.2	12	6.0	17	83	63	21	17	11
18	9.0	8.0	7.1	7.2	9.2	6.8	22	86	62	19	21	10
19	9.4	8.0	6.8	7.4	9.2	6.8	22	101	62	19	21	10
20	11	8.0	7.1	7.8	9.2	6.8	23	125	60	19	17	11
21	8.3	7.4	6.6	8.0	9.2	6.6	26	139	57	19	17	11
22	9.4	6.0	6.6	7.2	9.6	6.6	26	141	54	22	17	9.4
23	10	6.0	6.0	6.6	9.6	6.4	23	143	52	23	17	9.0
24	10	6.8	5.4	6.6	9.6	6.8	23	143	50	23	16	9.0
25	9.8	7.1	5.6	6.8	7.8	7.2	23	135	46	22	16	9.0
26	10	8.0	6.6	7.0	7.8	7.1	24	133	45	21	16	9.0
27	10	7.4	6.6	7.0	8.4	6.0	21	133	45	19	16	9.0
28	9.8	6.8	6.6	7.2	8.8	7.7	22	135	41	18	16	9.0
29	9.8	6.2	7.6	7.6	---	7.7	20	135	45	18	14	9.0
30	9.4	6.4	7.8	7.6	---	7.4	19	131	41	18	14	8.6
31	9.0	---	6.6	7.2	---	8.0	---	123	---	17	14	---
TOTAL	305.5	234.5	206.2	229.6	250.2	234.1	542.8	2608	2006	747	549	337.0
MEAN	9.85	7.82	6.65	7.41	8.94	7.55	18.1	84.1	66.9	24.1	17.7	11.2
AC-FT	606	465	409	455	496	464	1080	5170	3980	1480	1090	668
MAX	12	9.4	7.8	9.2	12	9.6	26	143	113	38	21	14
MIN	8.3	6.0	5.4	6.6	7.2	6.0	9.8	18	41	17	14	8.6

CAL YR 1990 TOTAL 4287.9 MEAN 11.7 MAX 40 MIN 4.7 AC-FT 8510
WTR YR 1991 TOTAL 8249.9 MEAN 22.6 MAX 143 MIN 5.4 AC-FT 16360

MAX DISCH 158 CFS AT 0215 23-MAY-1991 GH 2.37 FT. SHIFT -0.06 FT. MAX GH 2.37 FT. AT 0215

RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec.31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi².

GAGE.--Graphic water-stage recorder.

REMARKS.--Small diversions above station for irrigation. Record is complete and reliable except for the following periods: Nov.3-23, 1990, Dec.3-25, 1990, Apr.19-22, 26-29, 1991, Sept.5-9, 27-30, 1991 when the clock stopped; Dec.26, 1990-Mar.25, 1991 when the station was closed for the winter; Mar.27-30, Apr.1, 4, 6-9, May 16, 18, 23-25, 1991 when the pen was not inking. Record is good except for periods of no gage-height which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--TRIMTNC006 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	7.0	7.8	5.6	6.6	6.2	7.6	7.8	14	84	26	9.0	12	
2	7.0	8.6	4.9	7.0	6.4	7.4	9.4	12	81	23	9.0	12	
3	8.2	7.2	4.2	7.4	6.4	7.2	8.6	14	73	23	10	12	
4	7.8	6.6	3.5	7.2	6.8	7.2	9.0	16	71	23	12	12	
5	7.4	6.6	4.4	9.0	7.0	7.4	9.8	16	67	21	12	12	
6	7.0	6.6	4.7	9.2	7.0	7.2	12	15	68	18	12	12	
7	6.6	6.4	4.7	7.8	6.8	6.6	16	14	67	16	17	12	
8	7.8	5.8	4.7	7.8	7.4	5.6	14	15	62	20	12	11	
9	7.8	6.0	5.0	7.8	8.0	5.4	14	18	62	23	12	11	
10	8.2	6.2	5.0	7.4	7.2	6.0	14	22	61	20	12	11	
11	8.2	6.2	5.2	7.0	7.2	7.0	14	35	62	20	12	12	
12	7.8	6.4	5.6	6.4	7.4	6.2	13	47	61	20	13	12	
13	7.8	6.4	7.8	7.0	7.8	6.0	12	40	57	18	16	13	
14	7.4	6.4	7.6	7.2	7.8	6.0	12	42	57	18	16	12	
15	7.4	6.4	5.4	7.8	7.8	6.0	11	44	54	18	14	11	
16	7.4	6.4	5.8	6.2	7.8	6.0	12	46	52	17	14	10	
17	7.0	6.8	7.6	7.0	8.6	5.0	14	47	52	17	12	10	
18	7.0	6.2	6.4	6.8	7.0	5.8	17	48	51	17	17	9.8	
19	7.4	6.2	6.4	7.0	7.0	5.8	17	57	51	16	18	8.2	
20	10	6.2	7.2	7.4	7.2	5.8	18	68	47	12	14	7.8	
21	7.8	5.6	6.6	7.6	7.2	5.8	23	78	43	14	15	7.8	
22	7.8	4.9	6.6	6.6	7.6	5.8	23	88	41	16	16	7.8	
23	8.2	4.0	6.0	6.0	7.6	5.4	23	93	39	16	16	7.4	
24	8.6	4.6	5.2	6.0	7.6	5.8	21	92	37	15	15	7.4	
25	8.2	5.2	5.4	6.0	5.8	6.6	21	92	33	18	14	7.8	
26	8.2	6.0	6.4	6.2	5.8	7.0	23	90	32	17	14	7.8	
27	8.2	6.0	6.4	6.2	6.4	5.6	21	93	30	16	14	7.8	
28	7.8	4.9	6.4	6.4	6.8	5.2	20	92	28	14	16	7.8	
29	7.8	3.5	7.8	6.6	---	6.3	19	93	29	11	14	7.8	
30	8.2	4.2	8.2	6.6	---	6.0	18	92	29	12	12	7.8	
31	7.8	---	6.6	6.2	---	6.6	---	90	---	9.0	12	---	
TOTAL	240.8	180.3	183.3	217.4	199.6	193.3	466.6	1623	1581	544.0	421.0	300.0	
MEAN	7.77	6.01	5.91	7.01	7.13	6.24	15.6	52.4	52.7	17.5	13.6	10.00	
AC-FT	478	358	364	431	396	383	926	3220	3140	1080	835	595	
MAX	10	8.6	8.2	9.2	8.6	7.6	23	93	84	26	18	13	
MIN	6.6	3.5	3.5	6.0	5.8	5.0	7.8	12	28	9.0	9.0	7.4	
CAL YR 1990 TOTAL	2977.6		MEAN	8.16	MAX	22	MIN	3.2	AC-FT	5910			
WTR YR 1991 TOTAL	6150.3		MEAN	16.9	MAX	93	MIN	3.5	AC-FT	12200			
MAX DISCH	102 CFS		AT 0950	02-JUN-1991	GH	1.51 FT.		SHIFT	0.13 FT.		MAX GH	1.52 FT. AT 1615	
24-MAY-1991													

RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO

LOCATION.--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

DRAINAGE AREA.--190 mi².

GAGE.--Graphic water-stage recorder. Altitude of gage is 7,900 ft, from topographic map.

REMARKS.--Diversion above station by Sangre de Cristo-Trinchera canal for irrigation below station. Diversion above station from West Indian Creek to Mountain Home Reservoir on Trinchera Creek. Record is complete and reliable except for the following periods: Dec.2, 3, 18, 20-22, 1990, Jan.10-12, 15, 17, 19, 23-30, Feb.5-8, 10-15, 18-23, 25-27, Mar.3, 7-9, Apr.13, 14, 1991 when the stage-discharge relation was ice affected, and Oct. 11, 12, 1990 when the stage-discharge was affected due to bio-activity, and Oct. 16-19, 1990 when the stage-discharge relation was affected by trash catching on weir. Record is good except for periods when stage-discharge relation was off which is fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--SANFTGCO18 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	8.9	7.7	7.0	6.6	12	18	24	6.2	0.45	0.40	1.2
2	4.4	8.9	6.6	6.2	6.6	10	28	21	5.9	0.55	0.40	1.0
3	5.0	10	7.0	5.9	7.0	11	24	20	5.6	0.45	0.45	0.90
4	4.4	8.5	6.2	6.2	6.6	12	29	20	5.3	0.55	0.55	1.5
5	3.8	9.3	6.2	6.6	6.6	16	36	21	5.0	0.45	0.90	1.9
6	3.4	10	6.2	7.0	7.3	13	48	22	5.0	0.45	0.55	2.9
7	3.4	8.5	5.6	7.7	7.3	12	71	22	4.7	0.55	0.40	2.9
8	3.6	9.3	5.9	7.7	7.3	10	65	21	4.4	0.65	0.30	2.7
9	4.4	9.3	5.9	7.7	7.3	9.7	48	23	3.8	0.90	0.30	2.1
10	6.2	9.3	5.3	7.3	7.3	12	48	26	3.6	0.55	0.90	1.7
11	5.6	10	5.6	6.9	7.3	14	47	31	3.4	0.45	1.7	2.3
12	5.3	10	6.6	6.4	7.3	11	44	31	3.4	0.45	1.9	3.4
13	5.0	10	7.3	6.6	8.1	12	34	30	3.1	0.45	2.1	3.4
14	4.7	10	6.6	7.0	8.1	13	30	28	3.1	0.45	3.1	4.1
15	4.4	10	4.7	7.4	9.3	12	32	27	2.9	1.0	3.4	3.1
16	4.4	10	6.6	7.0	10	12	27	27	2.7	0.45	2.7	2.3
17	4.1	10	7.7	7.2	12	11	29	26	2.5	0.40	1.9	2.1
18	4.1	10	6.2	7.0	9.3	12	30	25	2.3	0.30	10	1.9
19	4.7	10	7.3	7.2	9.3	13	31	24	2.3	0.35	7.7	1.9
20	11	10	7.3	7.3	9.5	15	28	29	2.3	0.25	5.6	2.1
21	13	10	7.3	7.3	9.5	14	30	33	1.9	0.30	3.4	2.3
22	10	9.3	7.3	7.0	11	10	30	33	1.9	8.9	2.9	2.1
23	12	6.6	7.3	6.6	12	13	28	30	1.5	1.2	2.5	1.7
24	11	7.3	7.3	6.8	10	14	26	25	1.2	1.9	2.1	1.0
25	10	7.7	6.6	7.0	8.6	16	26	21	0.90	9.7	1.5	1.0
26	9.7	8.5	5.9	7.0	8.2	20	26	19	0.75	1.7	1.4	1.0
27	9.7	9.7	5.9	7.0	9.0	16	25	18	0.75	1.2	1.5	1.0
28	9.3	6.2	5.9	6.6	10	16	27	18	0.45	0.75	1.4	1.0
29	8.9	5.6	6.2	6.6	---	15	25	18	0.65	0.45	1.2	1.0
30	11	6.2	6.6	6.6	---	13	25	14	0.55	4.4	1.2	1.2
31	9.7	---	7.0	6.2	---	15	---	6.2	---	0.90	1.4	---
TOTAL	211.2	269.1	201.8	214.0	238.4	404.7	1015	733.2	88.05	41.50	65.75	58.70
MEAN	6.81	8.97	6.51	6.90	8.51	13.1	33.8	23.7	2.94	1.34	2.12	1.96
AC-FT	419	534	400	424	473	803	2010	1450	175	82	130	116
MAX	13	10	7.7	7.7	12	20	71	33	6.2	9.7	10	4.1
MIN	3.4	5.6	4.7	5.9	6.6	9.7	18	6.2	0.45	0.25	0.30	0.90

CAL YR 1990 TOTAL 2783.62 MEAN 7.63 MAX 45 MIN 0.21 AC-FT 5520
WTR YR 1991 TOTAL 3541.40 MEAN 9.70 MAX 71 MIN 0.25 AC-FT 7020

MAX DISCH 89 CFS AT 0800 07-APR-1991 GH 2.41 FT. SHIFT 0.05 FT. MAX GH 2.46 FT. AT 0200
03-DEC-1990

RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO

LOCATION.--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

DRAINAGE AREA.--32 mi².

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,045 ft, from topographic map.

REMARKS.--A few diversions above station for irrigation. Record is complete and reliable except for the following periods: Dec.7-22, 1990, Feb.20-Mar.25, 1991 when inlet pipes were frozen; Dec.23, 1990-Jan.22, 1991 when the clock stopped; Jan.23-Feb.19, June 17, 19, 21, 22, Aug.5-7, 12, 16, when the pen was not inking; Nov.28-30, 1990 when the stage-discharge relation was ice affected. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--UTEFTGCO17 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	14	4.9	11	6.2	5.0	9.6	18	61	32	26	7.5
2	22	14	5.0	12	6.2	5.0	12	16	52	24	25	8.4
3	23	11	4.7	13	6.0	4.9	11	17	43	22	24	11
4	20	19	4.5	12	6.2	4.9	15	18	45	21	29	9.6
5	18	16	5.6	15	6.2	5.2	19	19	56	19	28	15
6	16	11	6.2	15	6.0	5.0	24	19	65	22	25	16
7	16	9.9	6.2	12	5.4	4.8	27	21	56	20	23	16
8	18	11	6.4	12	5.8	4.5	24	23	56	20	21	13
9	16	9.0	7.0	12	6.2	4.4	20	28	56	22	21	12
10	16	9.6	7.2	11	5.0	4.9	21	35	48	16	22	18
11	16	9.3	7.6	10	4.9	6.0	21	45	52	14	32	18
12	15	9.3	8.2	9.4	4.9	5.6	20	46	50	10	26	18
13	14	9.3	12	10	5.2	5.6	15	45	50	11	33	18
14	13	9.3	12	11	5.0	5.6	16	48	57	10	25	15
15	12	9.6	8.6	12	4.8	5.6	17	46	46	10	22	13
16	12	9.3	8.8	8.8	4.7	5.8	18	42	44	10	22	12
17	11	9.3	12	9.4	5.0	5.4	20	42	41	16	18	10
18	10	9.3	9.6	9.0	3.9	6.2	23	57	42	16	26	9.9
19	11	9.0	9.6	9.2	3.8	6.4	25	61	46	17	35	9.9
20	16	9.3	11	9.6	3.7	6.6	30	71	48	16	25	10
21	14	8.1	9.4	9.8	3.7	6.6	33	77	44	29	23	9.3
22	15	5.9	9.4	8.6	4.1	6.8	32	61	40	60	23	8.7
23	16	6.6	9.0	8.0	4.2	6.6	29	73	37	78	21	9.3
24	16	6.6	8.2	7.8	4.3	7.6	27	71	36	61	18	10
25	16	6.6	9.0	7.6	3.6	9.4	27	66	35	70	18	8.4
26	16	6.8	11	7.6	3.6	9.3	25	70	35	53	17	7.3
27	16	6.1	11	7.6	4.1	7.8	22	70	32	43	16	6.8
28	16	5.0	11	7.6	4.5	7.8	22	66	34	34	14	6.8
29	16	4.7	13	7.6	---	7.3	21	62	38	37	11	7.3
30	15	4.8	14	7.4	---	7.8	22	65	38	37	10	7.0
31	14	---	11	6.4	---	8.1	---	62	---	28	8.1	---
TOTAL	485	278.7	273.1	309.4	137.2	192.5	647.6	1460	1383	878	687.1	341.2
MEAN	15.6	9.29	8.81	9.98	4.90	6.21	21.6	47.1	46.1	28.3	22.2	11.4
AC-FT	962	553	542	614	272	382	1280	2900	2740	1740	1360	677
MAX	23	19	14	15	6.2	9.4	33	77	65	78	35	18
MIN	10	4.7	4.5	6.4	3.6	4.4	9.6	16	32	10	8.1	6.8
CAL YR 1990 TOTAL		6793.4	MEAN	18.6	MAX	147	MIN	2.2	AC-FT	13470		
WTR YR 1991 TOTAL		7072.8	MEAN	19.4	MAX	78	MIN	3.6	AC-FT	14030		
MAX DISCH		212 CFS	AT 1830	21-JUL-1991	GH	3.06 FT.	SHIFT	0.09 FT.	MAX GH	3.06 FT.	AT 1830	
21-JUL-1991												

RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO

LOCATION.--Lat 37°23'10", long 105°33'02", in sec.4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

DRAINAGE AREA.--396 mi².

GAGE.--Graphic water-stage recorder. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

REMARKS.--Flows regulated by Smith Reservoir. Record is complete and reliable except for the following period: Dec.24-26, 1990 when the clock stopped. Record is good except for periods of no gage-height record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--TRISMIC011 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.71	0.71	0.40	0.91	1.0	1.1	8.9	14	31	10	8.6	9.2
2	0.81	0.71	0.40	0.91	1.0	1.1	9.2	10	30	11	8.6	9.2
3	0.71	0.60	0.40	0.91	1.0	1.0	8.6	6.4	30	11	8.6	9.2
4	0.62	0.50	0.40	0.91	1.0	1.1	7.9	5.1	30	12	8.6	8.9
5	0.62	0.40	0.40	0.91	1.0	1.1	7.9	6.9	25	12	8.6	9.2
6	0.62	0.33	0.40	0.91	1.0	1.3	7.7	10	16	12	8.2	9.2
7	0.71	0.27	0.47	0.91	1.0	1.3	7.4	13	9.2	12	8.2	9.2
8	0.71	0.21	0.40	0.91	1.0	1.1	13	11	6.1	12	8.2	9.2
9	0.62	0.21	0.40	0.91	1.0	1.1	29	8.6	7.2	13	7.9	6.0
10	0.62	0.21	0.81	0.91	1.0	1.1	32	8.6	7.2	13	7.4	2.5
11	0.62	0.27	1.1	0.91	1.0	1.1	39	8.9	7.2	13	7.2	1.7
12	0.54	0.21	1.1	0.91	1.0	1.0	47	8.9	7.2	13	7.2	1.7
13	0.54	0.21	0.91	0.91	1.0	1.0	47	8.9	7.2	13	7.2	9.7
14	0.54	0.21	0.91	0.91	1.0	1.0	45	8.9	7.2	13	7.2	18
15	0.47	0.27	0.81	1.3	1.0	1.0	42	8.9	7.2	12	7.4	17
16	0.47	0.33	0.81	1.3	1.0	0.91	36	7.7	17	11	7.9	17
17	0.47	0.33	0.81	1.3	1.0	0.91	33	5.9	16	11	7.9	23
18	0.54	0.33	0.81	1.3	1.0	0.91	31	7.9	15	11	7.9	26
19	0.54	0.40	0.81	1.3	1.0	0.91	31	7.9	12	11	8.2	27
20	0.81	0.40	0.81	1.3	1.1	0.81	25	8.9	8.2	11	8.6	27
21	0.62	0.47	0.81	1.3	1.3	0.71	20	12	8.2	11	8.9	11
22	0.71	0.47	0.91	1.3	1.3	0.81	19	13	8.9	11	8.9	1.8
23	0.71	0.40	0.81	1.4	1.3	0.81	24	21	11	11	8.9	1.3
24	0.71	0.40	0.81	1.4	1.3	0.81	24	25	16	11	9.2	0.91
25	0.71	0.40	0.81	1.3	1.1	0.81	20	25	15	11	9.2	0.81
26	0.81	0.40	0.81	1.3	1.1	0.81	18	25	15	11	9.2	0.71
27	0.71	0.40	0.91	1.3	1.1	0.81	18	25	12	10	9.2	0.91
28	0.81	0.40	0.91	1.3	1.1	5.2	18	25	9.6	8.9	9.2	0.91
29	0.81	0.40	0.91	1.3	---	8.6	18	27	9.6	8.9	9.2	0.81
30	0.81	0.40	0.91	1.3	---	8.9	18	30	9.6	8.9	9.2	0.71
31	0.71	---	0.91	1.0	---	8.6	---	31	---	8.9	9.2	---
TOTAL	20.41	11.25	22.87	34.74	29.7	57.72	704.6	435.4	410.8	348.6	259.9	269.77
MEAN	0.66	0.37	0.74	1.12	1.06	1.86	23.5	14.0	13.7	11.2	8.38	8.99
AC-FT	40	22	45	69	59	114	1400	864	815	691	516	535
MAX	0.81	0.71	1.1	1.4	1.3	8.9	47	31	31	13	9.2	27
MIN	0.47	0.21	0.40	0.91	1.0	0.71	7.4	5.1	6.1	8.9	7.2	0.71

CAL YR 1990 TOTAL 1309.66 MEAN 3.59 MAX 12 MIN 0.21 AC-FT 2600
WTR YR 1991 TOTAL 2605.76 MEAN 7.14 MAX 47 MIN 0.21 AC-FT 5170

MAX DISCH 50 CFS AT 1815 11-APR-1991 GH 3.75 FT. SHIFT -0.03 FT. MAX GH 3.75 FT. AT 1815
11-APR-1991

RIO GRANDE BASIN

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR, CO

LOCATION.--Lat 37°21'18", long 106°32'37", Conejos County, Hydrologic Unit 13010005, on left bank 1,100 ft downstream from valvehouse for Platoro Reservoir and 0.7 mi northwest of Platoro.

DRAINAGE AREA.--40 mi².

GAGE.--Water-stage recorder with satellite telemetry on concrete control. Datum of gage is 9,866.60 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow completely regulated by Platoro Reservoir (station 08244500). Record is complete and reliable except for Nov. 7, 1990 when the station was closed for the winter, and Oct. 1-3, 1990 and Sep. 20, 30, 1991 when the clock stopped and satellite record was incomplete. Record is good except for periods of no gage-height record which are fair. Station maintained and records developed by Div. III staff

RATING TABLE.--CONPLACO11 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	15	3.2	3.2	3.2	3.2	3.2	86	105	334	212	96
2	142	9.4	3.2	3.2	3.2	3.2	3.2	86	106	398	223	95
3	142	9.3	3.2	3.2	3.2	3.2	3.2	68	106	311	238	96
4	152	9.6	3.2	3.2	3.2	3.2	3.2	40	106	226	238	96
5	171	9.7	3.2	3.2	3.2	3.2	3.2	41	163	237	260	96
6	176	9.7	3.2	3.2	3.2	3.2	3.2	56	233	246	295	84
7	176	9.8	3.2	3.2	3.2	3.2	3.2	69	271	246	294	69
8	177	9.8	3.2	3.2	3.2	3.2	3.2	109	305	246	267	68
9	135	5.9	3.2	3.2	3.2	3.2	3.2	164	576	289	182	98
10	88	4.0	3.2	3.2	3.2	3.2	3.2	193	536	346	149	124
11	88	4.0	3.2	3.2	3.2	3.2	3.2	193	459	300	150	128
12	88	4.0	3.2	3.2	3.2	3.2	3.2	193	343	219	178	147
13	88	4.0	3.2	3.2	3.2	3.2	3.2	193	80	247	216	157
14	88	4.0	3.2	3.2	3.2	3.2	3.2	349	41	247	204	166
15	89	3.4	3.2	3.2	3.2	3.2	3.2	573	43	248	189	166
16	81	3.2	3.2	3.2	3.2	3.2	3.2	629	43	237	170	178
17	64	3.2	3.2	3.2	3.2	3.2	3.2	523	44	224	159	202
18	54	3.2	3.2	3.2	3.2	3.2	3.2	419	44	224	155	200
19	46	3.2	3.2	3.2	3.2	3.2	21	420	44	234	117	204
20	42	3.2	3.2	3.2	3.2	3.2	60	422	44	242	97	177
21	42	3.2	3.2	3.2	3.2	3.2	60	423	108	242	105	112
22	42	3.2	3.2	3.2	3.2	3.2	60	375	257	286	89	112
23	43	3.2	3.2	3.2	3.2	3.2	81	192	307	340	81	112
24	43	3.2	3.2	3.2	3.2	3.2	106	97	243	341	65	124
25	73	3.2	3.2	3.2	3.2	3.2	108	98	244	286	65	140
26	146	3.2	3.2	3.2	3.2	3.2	94	99	297	178	64	148
27	185	3.2	3.2	3.2	3.2	3.2	87	99	243	140	83	171
28	112	3.2	3.2	3.2	3.2	3.2	87	102	243	140	105	189
29	61	3.2	3.2	3.2	---	3.2	86	103	260	152	107	189
30	33	3.2	3.2	3.2	---	3.2	86	103	261	196	106	132
31	18	---	3.2	3.2	---	3.2	---	103	---	220	96	---
TOTAL	2977	159.6	99.2	99.2	89.6	99.2	993.6	6620	6155	7822	4959	4076
MEAN	96.0	5.32	3.20	3.20	3.20	3.20	33.1	214	205	252	160	136
AC-FT	5900	317	197	197	178	197	1970	13130	12210	15510	9840	8080
MAX	185	15	3.2	3.2	3.2	3.2	108	629	576	398	295	204
MIN	18	3.2	3.2	3.2	3.2	3.2	3.2	40	41	140	64	68
CAL YR 1990 TOTAL		30560.1	MEAN	83.7	MAX	676	MIN	3.2	AC-FT	60620		
WTR YR 1991 TOTAL		34149.4	MEAN	93.6	MAX	629	MIN	3.2	AC-FT	67740		
MAX DISCH		696 CFS	AT 1015	09-JUN-1991	GH		3.29 FT.	SHIFT	-0.03 FT.	MAX GH		3.29 FT. AT 1015
09-JUN-1991												

RIO GRANDE BASIN

08246500 CONEJOS RIVER NEAR MOGOTE, CO

LOCATION.--Lat 37°03'14", long 106°11'13", in SE¼SE¼ sec.34, T.33 N., R.7 E., Conejos County, Hydrologic Unit 13010005, on left bank 25 ft downstream from bridge on State Highway 17, 0.4 mi downstream from Fox Creek, 5.3 mi west of Mogote, and 10 mi west of Antonito.

DRAINAGE AREA.--282 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,271.54 ft, Colorado State Highway datum.

REMARKS.--Diversions for irrigation upstream from station and some regulation by Platoro Reservoir (station 08244500). Record is complete and reliable except for Dec. 21-Jan. 11, due to clock stopping and float freezing. Stage-discharge was ice affected Nov. 9, 30; Dec. 1-20, 1990; Jan. 12-31, Feb. 1-19, Mar. 7-9, 1991. Record is good, except for the periods of no gage-height and ice affected record which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--CONMOGCO12 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	121	58	52	43	61	77	362	1030	684	369	188
2	264	124	56	52	43	53	100	405	995	729	365	186
3	287	122	45	54	45	53	123	437	811	702	475	181
4	266	106	48	60	47	60	144	400	700	527	530	180
5	273	100	52	58	45	73	207	382	846	494	540	185
6	280	106	56	58	47	58	296	431	1060	507	595	283
7	283	95	52	54	50	55	421	512	1010	478	642	253
8	341	83	54	56	49	54	409	618	1190	476	530	244
9	313	90	54	52	48	56	316	944	1380	499	426	204
10	239	94	54	50	46	62	392	1110	1540	556	347	231
11	216	90	54	45	49	65	338	1240	1440	546	316	250
12	203	90	58	43	52	55	269	1250	1450	414	309	370
13	194	88	60	50	49	61	211	1200	1170	413	369	411
14	187	85	56	52	49	66	190	1350	1200	401	405	365
15	183	84	41	45	52	73	197	1640	1020	389	455	327
16	177	82	52	43	58	65	256	1600	884	381	376	302
17	162	81	50	42	56	59	354	1500	845	364	336	310
18	145	78	47	43	54	65	446	1500	829	378	307	315
19	148	76	44	43	52	76	460	1720	786	386	343	289
20	193	79	56	42	55	72	539	1750	742	374	252	328
21	151	66	50	40	57	68	653	1840	705	397	243	242
22	149	62	44	40	57	67	654	1710	792	489	224	212
23	160	69	40	40	59	64	640	1660	851	560	234	204
24	155	76	40	39	58	67	663	1260	796	654	205	197
25	152	72	42	40	59	75	702	1250	650	591	199	212
26	192	80	42	40	54	83	648	1400	755	514	191	214
27	271	66	42	41	55	67	507	1500	671	367	192	225
28	277	50	46	41	58	67	445	1450	654	300	208	259
29	182	45	60	42	---	65	397	1390	689	278	207	269
30	164	55	56	41	---	69	377	1290	733	297	211	265
31	134	---	52	42	---	65	---	1170	---	340	201	---
TOTAL	6548	2515	1561	1440	1446	1999	11431	36271	28224	14485	10602	7701
MEAN	211	83.8	50.4	46.5	51.6	64.5	381	1170	941	467	342	257
AC-FT	12990	4990	3100	2860	2870	3970	22670	71940	55980	28730	21030	15270
MAX	341	124	60	60	59	83	702	1840	1540	729	642	411
MIN	134	45	40	39	43	53	77	362	650	278	191	180

CAL YR 1990 TOTAL 82338 MEAN 226 MAX 1530 MIN 25 AC-FT 163300
WTR YR 1991 TOTAL 124223 MEAN 340 MAX 1840 MIN 39 AC-FT 246400

MAX DISCH 1928 CFS AT 0515 21-MAY-1991 GH 5.18 FT. SHIFT -0.06 FT. MAX GH 5.18 FT. AT 1130
28-JAN-1991

RIO GRANDE BASIN

08247500 SAN ANTONIO RIVER AT ORTIZ, CO

LOCATION.--Lat 36°59'35", long 106°02'17", in NE¼SE¼ sec.24, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 800 ft south of Colorado-New Mexico State line, 0.4 mi southeast of Ortiz, and 0.4 mi upstream from Los Pinos River.

DRAINAGE AREA.--110 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,970 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--A few small diversions upstream from station for irrigation. Record is complete and reliable except for the periods Dec. 5-13, 16-18, 21-31, 1990; Jan. 1, 1991 when the float was frozen; and Jan. 2-Mar. 14, 1991 when the station was closed for the winter and Nov. 2-16, 21, 22, 24-30, Dec. 1-4,14-15, 19-20, 1990; Mar. 15-25, 27-31; Apr. 1, 1991 when the stage-discharge relation was affected by ice; and Sep. 28-30, 1991 when the stage-discharge relation was affected by backwater. There was no flow July 15-20, 1991. Record is good except for periods of no gage-height and ice affected record which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--SANORTCO12 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	6.2	4.0	4.5	2.0	1.5	3.5	70	76	35	1.3	1.6	0.91	
2	4.0	4.3	3.5	2.0	1.5	3.0	91	96	31	1.9	1.3	0.67	
3	2.5	5.8	2.0	2.0	2.0	2.5	118	130	29	1.1	9.1	0.65	
4	2.2	5.4	2.0	3.5	2.5	3.5	187	139	26	0.62	22	0.43	
5	1.9	5.8	2.0	3.5	2.0	6.0	284	131	24	0.45	15	0.45	
6	1.5	5.4	3.0	3.5	2.0	4.5	425	157	22	0.97	7.1	0.51	
7	1.2	3.0	2.0	3.0	3.0	3.5	460	181	22	0.63	23	5.8	
8	5.1	3.0	2.0	3.5	3.0	3.0	338	206	19	0.30	6.4	4.7	
9	10	4.3	2.0	3.0	2.5	4.0	192	284	16	0.10	3.7	2.9	
10	6.2	4.0	2.0	3.0	2.0	8.0	176	255	16	0.26	2.6	2.2	
11	4.1	4.3	2.0	2.5	2.5	11	158	267	15	0.25	2.4	1.9	
12	2.9	4.3	2.5	2.5	3.0	10	142	223	15	0.25	2.0	2.3	
13	2.4	4.3	3.0	3.0	2.5	10	90	166	18	0.16	2.1	3.0	
14	2.1	4.3	2.5	3.0	2.5	10	76	154	16	0.06	3.4	4.5	
15	2.0	4.6	2.0	2.5	3.0	11	87	135	17	0.0	4.2	2.8	
16	1.8	4.6	2.5	2.5	3.5	10	154	114	15	0.0	3.5	2.0	
17	1.7	4.4	2.0	2.0	3.0	11	205	104	11	0.0	3.8	1.6	
18	1.5	4.2	2.0	2.5	2.5	12	237	99	9.1	0.0	2.9	1.4	
19	1.7	3.8	1.5	2.5	1.5	13	233	93	7.1	0.0	2.6	1.4	
20	4.7	3.6	2.5	3.0	2.0	13	222	104	6.5	0.0	2.3	1.3	
21	13	3.2	2.0	3.0	2.5	12	306	153	6.3	0.30	1.6	1.7	
22	8.1	2.0	1.0	2.5	3.0	13	277	123	4.7	0.70	1.4	1.8	
23	7.1	2.5	1.0	2.0	3.0	18	260	117	3.9	1.7	1.2	1.7	
24	7.7	3.6	1.0	1.5	3.0	26	250	97	3.1	9.7	0.86	1.4	
25	7.2	3.6	1.0	1.5	2.0	48	271	82	2.5	10	2.5	1.4	
26	6.6	3.6	1.0	1.5	2.0	46	221	71	2.0	8.6	1.6	1.4	
27	6.5	2.8	1.0	1.5	2.0	37	139	63	1.5	6.3	1.5	2.0	
28	5.4	2.0	1.5	1.5	2.5	33	109	56	1.1	3.7	3.4	2.2	
29	5.1	2.5	3.0	2.5	---	33	88	50	0.97	2.1	3.9	2.0	
30	5.0	3.5	2.0	1.5	---	33	84	44	1.3	1.5	2.0	2.2	
31	4.5	---	1.5	2.0	---	37	---	39	---	1.1	1.3	---	
TOTAL	141.9	116.7	63.5	76.0	68.0	488.5	5950	4009	397.07	54.05	142.26	59.22	
MEAN	4.58	3.89	2.05	2.45	2.43	15.8	198	129	13.2	1.74	4.59	1.97	
AC-FT	281	231	126	151	135	969	11800	7950	788	107	282	117	
MAX	13	5.8	4.5	3.5	3.5	48	460	284	35	10	23	5.8	
MIN	1.2	2.0	1.0	1.5	1.5	2.5	70	39	0.97	0.0	0.86	0.43	
CAL YR 1990 TOTAL		2957.95	MEAN	8.10	MAX	102	MIN	0.00	AC-FT	5870			
WTR YR 1991 TOTAL		11566.19	MEAN	31.7	MAX	460	MIN	0.00	AC-FT	22940			
MAX DISCH		994 CFS	AT	2200	06-APR-1991	GH	4.92 FT.	SHIFT	0.07 FT.	MAX GH	4.92 FT.	AT	2200
06-APR-1991													

RIO GRANDE BASIN

08248000 LOS PINOS RIVER NEAR ORTIZ, CO

LOCATION.--Lat 36°58'56", long 106°04'23", on line between secs.26 and 27, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 0.9 mi south of Colorado-New Mexico State line, 2.1 mi southwest of Ortiz, and 2.9 mi upstream from mouth.

DRAINAGE AREA.--167 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,040 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Diversions upstream from station for irrigation. Record is complete and reliable except for Dec. 21-31, 1990 and Jan. 1, 1991 when float was frozen and Jan. 2-Mar.14, 1991 when station was closed for winter. Stage-discharge relation affected by ice Nov. 8-10, 22-30, Dec. 1-20, 1990 and Mar. 15-24, 27-31, 1991. Record is good except for periods of no gage-height and ice affected record which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--LOSORTCO12 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
1	33	46	33	23	12	24	41	234	446	119	70	25				
2	30	50	29	24	12	23	49	299	421	103	54	25				
3	33	55	24	25	13	22	61	363	379	93	67	22				
4	29	46	25	29	15	24	79	376	332	93	101	22				
5	24	42	26	29	14	26	113	377	353	86	110	26				
6	21	43	26	29	14	24	196	470	366	87	88	76				
7	21	36	24	28	16	22	269	548	341	72	90	82				
8	46	37	25	30	16	22	262	706	339	68	64	61				
9	47	38	25	27	15	23	206	943	342	68	54	45				
10	35	40	25	27	14	27	262	1010	326	60	50	41				
11	31	41	24	26	15	28	267	1170	370	53	47	41				
12	28	39	24	26	16	27	244	1060	335	52	52	59				
13	25	37	24	27	15	26	184	954	427	48	48	77				
14	24	38	24	28	15	26	161	992	463	42	62	54				
15	22	37	23	27	16	27	180	883	398	38	66	44				
16	21	36	24	27	18	29	263	720	341	33	79	39				
17	20	37	23	26	17	25	370	692	301	61	57	36				
18	19	34	23	26	16	27	454	782	277	41	45	33				
19	20	34	22	26	14	28	477	823	265	46	44	31				
20	48	37	25	27	15	29	537	810	252	42	42	31				
21	43	29	24	24	17	27	647	912	227	39	39	31				
22	38	28	20	19	18	29	635	851	204	62	38	29				
23	40	29	19	18	18	26	603	913	182	114	38	27				
24	40	34	18	13	18	30	623	739	163	101	35	25				
25	42	35	20	14	16	35	674	679	151	104	39	24				
26	46	34	20	14	16	34	566	675	144	133	35	23				
27	50	30	20	14	16	26	415	674	134	91	32	22				
28	51	26	22	13	18	26	333	628	128	66	39	23				
29	51	26	25	14	---	26	277	590	122	57	30	24				
30	50	30	24	12	---	26	249	542	150	57	28	24				
31	46	---	22	13	---	29	---	493	---	50	27	---				
TOTAL	1074	1104	732	705	435	823	9697	21908	8679	2179	1670	1122				
MEAN	34.6	36.8	23.6	22.7	15.5	26.5	323	707	289	70.3	53.9	37.4				
AC-FT	2130	2190	1450	1400	863	1630	19230	43450	17210	4320	3310	2230				
MAX	51	55	33	30	18	35	674	1170	463	133	110	82				
MIN	19	26	18	12	12	22	41	234	122	33	27	22				
CAL YR 1990 TOTAL		22166.0	MEAN	60.7	MAX	403	MIN	4.0	AC-FT	43970						
WTR YR 1991 TOTAL		50128	MEAN	137	MAX	1170	MIN	12	AC-FT	99430						
MAX DISCH		1468	CFS AT	0015	11-MAY-1991	GH	5.69	FT.	SHIFT	-0.15	FT.	MAX GH	5.69	FT.	AT	0015
11-MAY-1991																

RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO

LOCATION.--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec.21, T34 N., R10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

DRAINAGE AREA.--348 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 7,650 ft. from topographic map.

REMARKS.--Natural flow in stream affected by diversions to Cove Lake Reservoir, Cap. 9,700 acre-ft., and diversions for irrigation above station. Record is complete and reliable except for the following periods: Nov.8-26, 1990 when the clock stopped; Dec.2, 1990-Mar.21,1991 when the station was closed for the winter; Nov.27-29, 1990 when the stage-discharge relation was ice affected. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--SANMANCO18 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	23	4.2	2.8	7.8	20	44	166	340	97	15	0.74
2	0.0	25	3.9	3.0	8.0	19	108	205	321	73	19	0.08
3	0.0	36	3.5	3.2	8.2	18	99	296	307	56	16	0.0
4	0.0	37	3.6	4.0	9.2	20	168	333	262	34	52	0.0
5	0.0	32	3.7	3.9	8.6	25	244	328	252	26	79	0.0
6	0.0	26	3.9	3.9	8.8	22	374	384	274	31	70	4.3
7	0.0	26	3.4	3.7	10	18	611	430	290	39	81	53
8	0.0	23	3.5	4.2	11	15	650	405	274	30	66	56
9	0.0	26	3.5	3.9	12	15	418	653	266	32	41	43
10	0.0	28	3.6	3.9	10	25	418	874	264	32	32	34
11	0.0	29	3.6	3.7	11	24	428	968	285	27	23	30
12	0.0	29	4.1	3.7	11	21	412	1020	248	24	18	28
13	0.0	29	4.5	4.4	13	21	294	880	264	22	18	51
14	0.0	29	3.8	4.9	13	25	238	810	301	15	19	40
15	0.0	28	3.1	4.4	13	24	212	790	312	8.9	24	17
16	0.0	29	3.7	4.4	15	27	252	662	260	6.4	30	8.9
17	0.0	31	3.1	4.3	15	24	376	557	208	5.0	34	4.0
18	0.0	27	3.0	4.8	14	25	512	578	166	4.2	22	2.0
19	0.0	27	2.8	4.9	13	27	629	602	138	4.2	15	2.0
20	0.0	32	3.9	6.4	14	32	629	677	131	3.4	13	4.0
21	5.9	26	3.3	6.0	14	27	689	842	110	3.7	12	1.2
22	22	22	2.3	5.6	14	24	689	980	95	3.4	8.9	0.21
23	9.2	22	1.9	5.6	17	24	623	891	92	5.8	6.4	0.0
24	11	22	1.7	6.0	15	25	557	821	97	45	4.4	0.0
25	11	27	2.2	6.4	13	40	590	650	99	76	4.4	0.0
26	13	24	2.2	6.4	15	62	593	575	91	76	4.7	0.0
27	17	16	2.2	6.8	16	44	396	530	87	73	5.5	0.0
28	20	8.6	2.4	6.8	20	37	279	485	88	49	6.1	0.0
29	20	4.5	3.6	8.2	---	39	201	442	90	30	8.9	0.0
30	22	4.2	2.8	7.2	---	40	181	412	100	23	6.1	0.0
31	24	---	2.6	8.0	---	37	---	369	---	22	2.4	---
TOTAL	175.1	748.3	99.6	155.4	349.6	846	11914	18615	6112	977.0	756.8	379.43
MEAN	5.65	24.9	3.21	5.01	12.5	27.3	397	600	204	31.5	24.4	12.6
AC-FT	347	1480	198	308	693	1680	23630	36920	12120	1940	1500	753
MAX	24	37	4.5	8.2	20	62	689	1020	340	97	81	56
MIN	0.0	4.2	1.7	2.8	7.8	15	44	166	87	3.4	2.4	0.0
CAL YR 1990 TOTAL	7708.42	MEAN	21.1	MAX	393	MIN	0.00	AC-FT	15290			
WTR YR 1991 TOTAL	41128.23	MEAN	113	MAX	1020	MIN	0.00	AC-FT	81580			
MAX DISCH	1140 CFS	AT 1645	11-MAY-1991	GH	6.40 FT.	SHIFT	-0.20 FT.	MAX GH	6.40 FT.	AT 1645		
11-MAY-1991												

RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO

CONEJOS RIVER NEAR LASAUSES, CO

MAIN (NORTH) CHANNEL

LOCATION.--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, T. 35 N., R. 11 E., Conejos County, on left bank of main channel 125 ft downstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of LaSausés, and 13 mi southeast of Alamosa.

DRAINAGE.--887 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,495.02 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 1, 1937.

REMARKS.--Record is complete and reliable except for Jan. 29, 1991 when the float was frozen. Stage-discharge relation ice affected Nov. 29, Dec. 2-5, 7, 8, 15, 18-31, 1990; Jan. 1-7, 13, 23-25, 1991. Record good except for periods of ice affected record which is fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--NORLASCO12 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	135	51	39	58	108	127	252	408	330	107	37
2	25	136	49	41	59	114	170	268	491	268	111	29
3	65	153	47	42	58	103	195	355	464	265	115	32
4	74	152	45	66	58	109	256	417	387	187	171	42
5	71	141	44	64	58	123	346	419	315	129	253	45
6	78	133	44	64	60	129	422	418	357	132	288	45
7	79	136	44	62	60	121	576	481	496	190	348	124
8	114	121	45	64	62	107	693	445	472	185	334	140
9	156	109	49	61	65	105	627	520	518	195	240	134
10	175	117	51	62	66	108	638	863	568	180	174	116
11	133	120	53	64	69	118	742	991	492	186	124	116
12	118	119	64	64	71	111	673	1190	346	176	110	122
13	107	118	73	61	75	111	558	1040	293	119	104	232
14	98	112	70	61	78	111	417	857	289	127	120	255
15	91	91	50	61	82	110	368	900	298	132	143	213
16	86	75	56	65	86	119	298	1070	241	106	157	179
17	83	74	57	66	93	113	400	850	172	68	133	148
18	73	75	52	65	93	105	561	760	122	72	100	136
19	72	73	40	61	92	109	665	860	85	68	88	113
20	87	73	58	60	89	109	654	1100	66	72	115	116
21	115	74	48	60	88	118	668	1230	55	70	87	133
22	89	68	32	57	90	109	803	1450	46	89	72	96
23	93	61	29	56	96	105	662	1210	53	144	61	83
24	96	61	27	62	98	105	533	911	105	209	73	81
25	70	70	30	64	102	112	520	624	150	273	63	63
26	53	74	30	70	101	133	631	505	171	284	64	63
27	48	71	30	64	101	140	511	464	172	230	64	54
28	52	61	34	62	102	123	350	423	190	137	54	49
29	56	51	52	56	---	122	264	401	256	95	54	47
30	60	50	42	62	---	125	236	386	327	77	54	43
31	113	---	38	60	---	125	---	363	---	83	47	---
TOTAL	2654	2904	1434	1866	2210	3560	14564	22023	8405	4878	4028	3086
MEAN	85.6	96.8	46.3	60.2	78.9	115	485	710	280	157	130	103
AC-FT	5260	5760	2840	3700	4380	7060	28890	43680	16670	9680	7990	6120
MAX	175	153	73	70	102	140	803	1450	568	330	348	255
MIN	24	50	27	39	58	103	127	252	46	68	47	29

CAL YR 1990 TOTAL 15517.75 MEAN 42.5 MAX 700 MIN 0.00 AC-FT 30780
WTR YR 1991 TOTAL 71612 MEAN 196 MAX 1450 MIN 24 AC-FT 142000

MAX DISCH 1481 CFS AT 2215 22-MAY-1991 GH 5.86 FT. SHIFT -0.03 FT. MAX GH 5.86 FT. AT 2215
22-MAY-1991

RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO

CONEJOS RIVER NEAR LASAUSES, CO

SECONDARY (SOUTH) CHANNEL

LOCATION--Lat 37°18'01", long 105°44'47", in SE¼NE¼ sec. 10, T. 35 N., R. 11 E., Conejos County, on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.0 mi north of LaSauses, and 13 mi southeast of Alamosa.

DRAINAGE--887 mi².

GAGE--Water-stage recorder with satellite telemetry. Datum of gage is 7,496.89 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 14, 1965.

REMARKS--Record is complete and reliable except for Dec. 26, 1990-Jan.1, 1991 when the float was frozen and Jan. 2-Mar. 22, 1991 when the station was closed. Stage-discharge relation affected by ice Dec. 15-25, 1990. Stage-discharge relation affected by backwater due to beaver dams below gage Oct. 13-23, 1990 and June 27-July 11, 1991. The beaver dams were removed Oct. 23, 1990 and July 11, 1991. Stage-discharge relation affected by backwater due to trash hung up on the fence Apr. 7-10, 1991. The chart recorder clock stopped May 28-June 3, 1991. There was no flow Oct. 1, 1990, Aug. 24,26-28, 30, 31 and Sep. 1-6, 26-30, 1991. Record is good except for periods of no gage-height, ice affected record, and backwater affected record which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE--SOULASCO06 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.28	0.32	0.10	0.20	0.50	0.38	3.6	5.3	4.0	0.46	0.0
2	0.03	0.46	0.33	0.10	0.20	0.45	0.44	3.8	8.1	3.7	1.5	0.0
3	0.33	0.93	0.32	0.10	0.20	0.40	0.53	5.5	6.8	3.6	0.68	0.0
4	0.32	0.43	0.35	0.30	0.25	0.45	0.58	7.5	4.6	3.2	3.9	0.0
5	0.35	0.46	0.37	0.30	0.20	0.55	0.85	6.9	2.4	2.5	12	0.0
6	0.24	0.50	0.32	0.30	0.20	0.45	66	6.3	3.3	2.6	15	0.0
7	0.28	0.54	0.33	0.25	0.30	0.40	143	8.5	7.6	3.3	24	0.87
8	0.28	0.44	0.34	0.30	0.30	0.35	203	7.0	7.1	3.0	28	3.0
9	0.27	0.41	0.34	0.25	0.35	0.40	179	12	7.9	4.2	12	2.6
10	0.25	0.41	0.26	0.25	0.30	0.50	64	36	10	3.4	6.2	1.5
11	0.31	0.50	0.18	0.20	0.35	0.50	30	48	7.3	6.0	3.0	1.3
12	0.31	0.48	2.3	0.20	0.35	0.45	21	59	4.8	5.5	1.7	1.9
13	0.30	0.48	0.80	0.25	0.40	0.45	14	38	4.8	1.8	1.7	1.5
14	0.30	0.48	0.57	0.25	0.40	0.45	6.5	22	5.3	2.4	1.6	2.1
15	0.30	0.37	0.20	0.20	0.40	0.40	4.3	23	5.1	3.8	3.3	1.4
16	0.30	0.36	0.30	0.15	0.50	0.40	1.9	34	5.3	2.7	4.7	9.0
17	0.29	0.37	0.20	0.15	0.50	0.45	5.5	19	3.1	0.21	2.2	5.1
18	0.29	0.38	0.20	0.20	0.40	0.50	14	12	1.2	0.23	0.73	4.1
19	0.29	0.38	0.20	0.20	0.30	0.50	20	15	1.00	0.23	0.23	2.3
20	0.29	0.37	0.50	0.25	0.35	0.45	19	33	0.80	0.21	1.00	1.6
21	0.29	0.33	0.30	0.20	0.35	0.45	20	46	0.71	0.39	0.73	3.1
22	0.29	0.34	0.10	0.15	0.35	0.45	29	95	0.69	1.7	0.10	1.4
23	0.21	0.34	0.10	0.15	0.50	0.42	20	61	0.87	6.9	0.03	0.43
24	0.12	0.31	0.10	0.15	0.35	0.40	13	28	1.1	11	0.0	0.15
25	0.11	0.37	0.10	0.15	0.25	0.33	13	12	1.6	17	0.02	0.02
26	0.11	0.44	0.10	0.15	0.30	0.99	19	9.1	2.2	16	0.0	0.0
27	0.08	0.48	0.10	0.15	0.35	1.0	14	5.1	2.2	12	0.0	0.0
28	0.05	0.31	0.10	0.15	0.50	0.47	7.1	4.2	2.8	4.2	0.0	0.0
29	0.04	0.28	0.40	0.25	---	0.40	4.5	3.9	3.8	1.5	0.01	0.0
30	0.07	0.26	0.10	0.15	---	0.44	4.3	4.2	4.8	0.17	0.0	0.0
31	0.17	---	0.10	0.20	---	0.42	---	4.5	---	0.08	0.0	---
TOTAL	6.88	12.49	10.34	6.15	9.40	14.76	937.88	673.1	122.57	127.52	124.79	88.38
MEAN	0.22	0.42	0.33	0.20	0.34	0.48	31.3	21.7	4.09	4.11	4.03	2.95
AC-FT	14	25	21	12	19	29	1860	1340	243	253	248	175
MAX	0.35	0.93	2.3	0.30	0.50	1.0	203	95	10	17	28	21
MIN	0.0	0.26	0.10	0.10	0.20	0.33	0.38	3.6	0.69	0.08	0.0	0.0

CAL YR 1990 TOTAL 397.57 MEAN 1.09 MAX 55 MIN 0.00 AC-FT 789
WTR YR 1991 TOTAL 2134.25 MEAN 5.85 MAX 203 MIN 0.00 AC-FT 4230

MAX DISCH 258 CFS AT 2245 08-APR-1991 GH 3.82 FT. SHIFT -0.58 FT. MAX GH 3.82 FT. AT 2245
08-APR-1991

RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO (COMBINED)

LOCATION.--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec.2, and SE¼NE¼ sec.10 (two channels), T.35 N., R.11 E., Conejos County, Hydrologic Unit 13010005, on left bank of main channel 125 ft downstream from bridge on State Highway 158 and on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of Lasausas, and 13 mi southeast of Alamosa.

DRAINAGE AREA.--887 mi².

GAGE.--Two water-stage recorders with satellite telemetry. Datum of gage on main (north) channel is 7,495.02 ft above National Geodetic Vertical Datum of 1929, and on secondary (south) channel is 7,496.89 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Diversions for irrigation of about 75,000 acres upstream from station. Records should be good except for periods affected by ice and backwater, which should be fair. Stations maintained and records developed by Div. III staff.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	135	51	39	58	108	127	256	413	334	107	37
2	25	136	49	41	59	114	170	272	499	272	112	29
3	65	154	47	42	58	103	196	360	471	269	116	32
4	74	152	45	66	58	109	257	424	392	190	175	42
5	71	141	44	64	58	124	347	426	317	132	265	45
6	78	134	44	64	60	129	488	424	360	135	303	45
7	79	137	44	62	60	121	719	490	504	193	372	125
8	114	121	45	64	62	107	896	452	479	188	362	143
9	156	109	49	61	65	105	806	532	526	199	252	137
10	175	117	51	62	66	108	702	899	578	183	180	118
11	133	120	53	64	69	118	772	1040	499	192	127	117
12	118	119	66	64	71	111	694	1250	351	182	112	124
13	107	118	74	61	75	111	572	1080	298	121	106	247
14	98	112	71	61	78	111	424	879	294	129	122	276
15	91	91	50	61	82	110	372	923	303	136	146	227
16	86	75	56	65	86	119	300	1100	246	109	162	188
17	83	74	57	66	94	113	406	869	175	68	135	153
18	73	75	52	65	93	106	575	772	123	72	101	140
19	72	73	40	61	92	110	685	875	86	68	88	115
20	87	73	58	60	89	109	673	1130	67	72	116	118
21	115	74	48	60	88	118	688	1280	56	70	88	136
22	89	68	32	57	90	109	832	1540	47	91	72	97
23	93	61	29	56	96	105	682	1270	54	151	61	83
24	96	61	27	62	98	105	546	939	106	220	73	81
25	70	70	30	64	102	112	533	636	152	290	63	63
26	53	74	30	70	101	134	650	514	173	300	64	63
27	48	71	30	64	101	141	525	469	174	242	64	54
28	52	61	34	62	102	123	357	427	193	141	54	49
29	56	51	52	56	---	122	268	405	260	96	54	47
30	60	50	42	62	---	125	240	390	332	77	54	43
31	113	---	38	60	---	125	---	368	---	83	47	---
TOTAL	2654	2907	1438	1866	2211	3565	15502	22691	8528	5005	4153	3174
MEAN	85.6	96.9	46.4	60.2	79.0	115	517	732	284	161	134	106
AC-FT	5260	5770	2850	3700	4390	7070	30750	45010	16920	9930	8240	6300
MAX	175	154	74	70	102	141	896	1540	578	334	372	276
MIN	24	50	27	39	58	103	127	256	47	68	47	29

CAL YR 1990 TOTAL 15874.92 MEAN 43.5 MAX 745 MIN 0.00 AC-FT 31490
WTR YR 1991 TOTAL 73694 MEAN 202 MAX 1540 MIN 24 AC-FT 146200

NO PEAK DATA AVAILABLE

RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO

LOCATION.--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

DRAINAGE AREA.--220 mi².

GAGE.--Graphic water-stage recorder and concrete control. Altitude of gage is 8,000 ft from topographic map.

REMARKS.--Diversions above station for irrigation. Flow regulated by Sanchez Reservoir on Ventero Creek. Record is complete and reliable except for the following periods: Dec.23-26, 1990 when clock stopped; July 19-23, 25-30, Aug.1-4, 6-21, 23-26, 29, Sep.2-5, 7, 8, 18-22, 24-29, 1991. Record lost due to station being vandalized. July 18, 24, 31, Aug.5, 22, 27, 28, 30, 31, Sep.1, 6, 9-17, 23, 30, 1991. Discharge computed from once daily gage reading. Record is good except for periods of no gage-height record, and computed discharges from once daily gage readings which is fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--CULSANCO05 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	48	18	20	21	28	26	20	22	111	75	70	75			
2	51	22	17	20	27	26	26	21	120	72	90	75			
3	50	29	16	21	27	25	23	20	116	70	65	75			
4	46	25	18	23	28	26	23	22	118	64	46	84			
5	39	23	20	26	28	31	22	21	111	58	46	86			
6	38	23	20	26	28	25	20	18	117	57	46	87			
7	39	23	19	25	29	22	18	16	118	66	46	58			
8	38	22	21	25	29	20	18	15	107	86	46	50			
9	29	23	20	25	31	20	18	14	113	100	46	44			
10	25	23	21	28	29	23	18	16	130	96	56	65			
11	24	23	21	26	30	22	16	23	130	94	61	35			
12	23	22	22	25	30	20	17	25	128	92	66	35			
13	22	20	23	28	31	20	17	34	120	87	76	37			
14	22	20	22	28	32	19	17	44	112	83	76	36			
15	22	20	19	26	32	20	17	51	99	83	73	35			
16	22	20	23	27	34	20	16	61	100	88	70	35			
17	20	20	22	27	36	20	16	63	93	93	67	37			
18	20	19	20	28	31	21	16	60	84	33	65	37			
19	22	19	20	28	26	22	15	62	85	56	64	37			
20	40	18	18	29	26	20	16	72	74	116	88	36			
21	29	17	17	29	28	22	16	73	60	126	88	36			
22	29	16	20	28	29	22	19	62	57	126	99	35			
23	28	16	19	26	30	20	22	56	57	126	125	35			
24	19	17	19	27	29	20	19	52	58	126	123	34			
25	22	16	19	28	27	20	17	52	57	122	120	33			
26	19	19	19	27	26	23	19	55	64	119	95	31			
27	18	16	19	28	26	21	19	63	69	118	70	29			
28	18	16	19	28	26	20	20	83	80	117	73	27			
29	17	14	20	26	---	19	18	99	86	116	76	25			
30	17	18	20	27	---	17	20	104	88	114	73	23			
31	18	---	19	27	---	20	---	104	---	78	74	---			
TOTAL	874	597	612	813	813	672	558	1483	2862	2857	2279	1367			
MEAN	28.2	19.9	19.7	26.2	29.0	21.7	18.6	47.8	95.4	92.2	73.5	45.6			
AC-FT	1730	1180	1210	1610	1610	1330	1110	2940	5680	5670	4520	2710			
MAX	51	29	23	29	36	31	26	104	130	126	125	87			
MIN	17	14	16	20	26	17	15	14	57	33	46	23			
CAL YR 1990 TOTAL		13989	MEAN	38.3	MAX	144	MIN	12	AC-FT	27750					
WTR YR 1991 TOTAL		15787	MEAN	43.3	MAX	130	MIN	14	AC-FT	31310					
MAX DISCH		137	CFS	AT 1415	10-JUN-1991	GH	1.80	FT.	SHIFT	-0.01	FT.	MAX GH	1.80	FT.	AT 1415
10-JUN-1991															

RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO

LOCATION.--Lat 37°04'43", long 105°45'23", in NE¼NW¼ sec.27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.

DRAINAGE AREA.--7,700 mi² approximately, includes 2,940 mi² in closed basin in northern part of San Luis Valley, Colo.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,427.63 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Natural flow of stream affected by transmountain diversions, storage reservoirs, ground-water withdrawals and diversions for irrigation. Record is complete and reliable except for Feb. 1-21, 1991 when the float was frozen. Stage-discharge relation ice affected Nov. 8-9, 28-30; Dec. 1-31, 1990; Jan. 1-31; Feb.22-28, 1991. Record is good except for periods of no gage-height and ice affected record which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--RIOLOBCO03 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	62	238	220	250	280	390	463	466	812	649	224	82	
2	205	264	160	260	275	410	466	427	945	567	232	68	
3	182	302	150	260	275	410	546	457	1190	507	212	55	
4	222	337	240	275	280	475	596	551	1200	426	249	53	
5	276	368	285	285	280	455	715	575	988	297	356	65	
6	214	375	270	290	280	460	832	560	786	264	435	68	
7	181	345	280	295	270	450	1040	631	865	284	501	66	
8	171	315	290	300	280	440	1440	668	1030	310	541	171	
9	202	306	300	310	285	425	1660	661	1190	332	434	162	
10	241	364	320	305	290	415	1630	962	1240	318	357	190	
11	262	451	350	300	285	430	1640	1290	1330	302	279	291	
12	280	506	380	290	290	440	1580	1500	1210	329	226	291	
13	295	528	400	300	300	445	1470	1350	759	295	230	325	
14	293	516	330	300	310	450	1190	1080	659	244	206	466	
15	276	475	280	300	310	450	1020	1060	805	269	228	519	
16	266	390	320	305	335	495	833	1210	785	248	245	443	
17	252	368	270	295	345	483	664	1150	678	200	232	336	
18	248	361	225	295	355	455	719	904	577	163	208	273	
19	247	363	220	290	365	452	838	961	525	162	179	266	
20	256	360	210	300	355	470	910	1360	498	189	175	266	
21	267	328	195	300	365	479	879	1610	490	217	184	279	
22	278	274	210	300	375	490	999	1890	451	233	148	252	
23	351	249	200	290	365	466	996	2010	388	293	132	215	
24	399	243	200	280	360	455	853	1630	345	392	129	209	
25	292	259	210	275	310	452	731	1290	366	488	136	193	
26	223	308	200	275	400	481	798	1120	437	516	124	157	
27	198	328	200	270	390	537	816	1030	493	481	125	146	
28	183	310	220	270	375	520	652	960	453	389	128	123	
29	181	258	240	275	---	490	541	912	464	286	94	108	
30	174	226	245	280	---	475	472	899	560	242	95	98	
31	191	---	210	280	---	471	---	812	---	222	95	---	
TOTAL	7368	10315	7830	8900	8985	14216	27989	31986	22519	10114	7139	6236	
MEAN	238	344	253	287	321	459	933	1032	751	326	230	208	
AC-FT	14610	20460	15530	17650	17820	28200	55520	63440	44670	20060	14160	12370	
MAX	399	528	400	310	400	537	1660	2010	1330	649	541	519	
MIN	62	226	150	250	270	390	463	427	345	162	94	53	
CAL YR 1990 TOTAL		88514	MEAN	243	MAX	1790	MIN	28	AC-FT	175600			
WTR YR 1991 TOTAL		163597	MEAN	448	MAX	2010	MIN	53	AC-FT	324500			
MAX DISCH		2128	CFS AT 0715	23-MAY-1991	GH	3.63	FT.	SHIFT	0.03	FT.	MAX GH	3.63	FT. AT 0715
23-MAY-1991													

TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO

LOCATION.--Tarbell ditch diverts water from Lake Fork Cochetopa Creek (tributary to Cochetopa Creek), in NW¼ sec.18, T.43 N., R.2 E., in Gunnison River basin, to Lake Fork Saguache Creek (tributary to Middle Fork Saguache Creek) in NE¼ sec.18, T.43 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--TARBELCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	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 1990 TOTAL		39.7	MEAN	0.11	MAX	4.4	MIN	0.00	AC-FT	79		
WTR YR 1991 TOTAL		0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		

NO PEAK DATA AVAILABLE

TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO

LOCATION.--Lat 37°56'30", long 107°09'00"; Tabor ditch diverts water from tributaries of Cebolla Creek in secs, 29 and 36, T.43 N., R.3 W., in Gunnison River basin, to Big Spring Creek (tributary to North Clear Creek) in sec.35, T.43 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry at 3 ft Parshall flume.

REMARKS.--Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	3.0	1.6	0.96
2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	2.7	1.6	0.96
3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.5	1.6	0.89
4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	2.4	1.6	0.89
5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	2.3	1.6	0.94
6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	2.2	2.1	1.1
7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	2.2	2.0	1.0
8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.8	1.8	1.0
9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	2.7	1.8	0.89
10	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	2.3	1.9	1.1
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	9.1	2.4	1.7	1.1
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	8.5	2.8	1.8	1.1
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.7	2.6	1.6	1.1
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	6.1	2.3	1.6	1.1
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	6.3	2.2	1.6	1.1
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	7.2	2.1	1.5	1.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	6.5	2.0	1.3	1.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	5.8	2.0	1.4	1.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	5.7	2.0	1.3	0.96
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	5.7	1.8	1.2	0.96
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	5.4	1.9	1.2	0.96
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	4.9	1.9	1.1	0.89
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	4.6	1.8	1.2	0.89
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	4.3	1.9	1.1	0.89
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	4.0	1.9	1.1	0.80
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.8	1.7	1.1	0.80
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.5	1.6	1.0	0.89
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.4	1.6	1.0	0.88
29	0.0	0.0	0.0	0.0	---	0.0	0.0	13	3.3	1.5	1.0	0.89
30	0.0	0.0	0.0	0.0	---	0.0	0.0	13	3.2	1.6	1.0	0.83
31	0.0	---	0.0	0.0	---	0.0	---	10	---	1.5	0.96	---

TOTAL	10.65	0.0	0.0	0.0	0.0	0.0	0.0	162.1	190.5	66.2	44.36	28.87
MEAN	0.34	0.0	0.0	0.0	0.0	0.0	0.0	5.23	6.35	2.14	1.43	0.96
AC-FT	21	0.0	0.0	0.0	0.0	0.0	0.0	322	378	131	88	57
MAX	1.2	0.0	0.0	0.0	0.0	0.0	0.0	14	11	3.0	2.1	1.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.5	0.96	0.80

CAL YR 1990 TOTAL	326.60	MEAN	0.89	MAX	1.5	MIN	0.00	AC-FT	648
WTR YR 1991 TOTAL	502.68	MEAN	1.38	MAX	14	MIN	0.00	AC-FT	997

MAX DISCH 22 CFS AT 1930 08-JUN-1991 GH 1.44 FT. SHIFT 0.02 FT. MAX GH 1.44 FT. AT 1930 08-JUN-1991

TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO

LOCATION.--Treasure Pass diversion ditch diverts water from tributaries of Wolf Creek in San Juan River basin, to tributary of South Fork Rio Grande in sec.31, T.38 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	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	0.62	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.20	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	4.61	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	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 1990 TOTAL 26.66 MEAN 0.07 MAX 2.3 MIN 0.00 AC-FT 53
WTR YR 1991 TOTAL 4.61 MEAN 0.01 MAX 0.88 MIN 0.00 AC-FT 9.1

MAX DISCH 1.1 CFS AT 1530 22-JUN-1991 GH 0.26 FT. SHIFT 0.02 FT. MAX GH 0.26 FT. AT 1530

TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO

LOCATION.--NW¼ sec.4, T.38 N., R.1 W., at Piedra Pass, Co.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 9 in. Parshall flume.

REMARKS.--Diversion is from tributaries of Piedra River in San Juan River Basin to South River in Rio Grande River Basin.
Record is good for all periods. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--DLFDT1CO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.09	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.08	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.06	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.05	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.09	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.05	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.03	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.03	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.01	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.01	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.01	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.01	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.01	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.97	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.37	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.26	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.24	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	30.18	1.00	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.01	0.03	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	2.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.20	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 1990 TOTAL	16.11	MEAN	0.044	MAX	1.80	MIN	0.00	AC-FT	32
WTR YR 1991 TOTAL	31.18	MEAN	0.09	MAX	2.5	MIN	0.00	AC-FT	62
MAX DISCH	4.1 CFS AT 1330	08-JUN-1991	GH	1.25 FT.	SHIFT	-0.05 FT.	MAX	GH	1.25 FT. AT 1330
08-JUN-1991									

TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO

LOCATION.--SW¼ sec.33, T.39 N., R.1 W., at Piedra Pass, Co.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 1.5 ft Parshall flume.

REMARKS.--Diversion is from tributaries of Piedra River in San Juan River Basin to South River in Rio Grande River Basin.
Record is complete and reliable except for the following periods: Sep.10-17, 1991 when the chart ran out.
Record is good except for no gage-height record which is fair. Station maintained and records developed by
Division III Hydrographic staff.

RATING TABLE.--DLFDT2C002 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.72	0.55
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.94	0.78
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.3	0.76
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.4	1.5	0.90
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.3	1.5	0.99
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.1	2.0	3.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.99	1.8	4.4
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	1.5	1.5	4.3
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	1.1	1.4	3.3
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.90	1.2	3.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.80	1.2	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.76	1.1	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.67	0.99	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.59	0.85	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.51	0.85	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.59	0.85	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.55	0.76	2.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.47	0.90	1.9
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.59	0.99	1.7
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.59	0.80	1.7
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.63	0.71	1.5
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.1	0.85	1.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.80	0.76	1.1
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.76	0.67	0.54
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.67	0.67	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.63	0.76	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.55	0.67	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.47	0.76	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.4	0.63	0.67	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.7	0.67	0.59	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.67	0.55	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.8	27.39	30.81	34.12
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.83	0.88	0.99	1.14
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	228	54	61	68
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	2.1	2.0	4.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.55	0.0
CAL YR 1990 TOTAL	53.65		MEAN	0.15	MAX	2.4	MIN	0.00	AC-FT	106		
WTR YR 1991 TOTAL	207.12		MEAN	0.57	MAX	6.6	MIN	0.00	AC-FT	411		
MAX DISCH	11 CFS AT 1750		08-JUN-1991		GH	1.45 FT. SHIFT		-0.01 FT. MAX GH		1.45 FT. AT 1750		
08-JUN-1991												

TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO

LOCATION.--Don La Font ditches 1 and 2 divert water from tributaries of Piedra River between headgates in NW¼ sec.4, T.38 N., R.1 W., and SW¼ sec.33, T.39 N., R.1 W., and Piedra pass, in San Juan River basin, to South River in sec.4, T.38 N., R.1 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorders.

REMARKS.--Records combined to obtain this record.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.72	0.55
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.94	0.78
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.3	0.76
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.5	1.5	0.90
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	1.4	1.5	0.99
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	1.2	2.0	3.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.0	1.8	4.4
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	1.6	1.5	4.3
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	1.2	1.4	3.3
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.93	1.2	3.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.83	1.2	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.77	1.1	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.68	0.99	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.60	0.85	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.52	0.85	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.60	0.85	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.55	0.76	2.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.47	0.90	1.9
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.59	0.99	1.7
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.59	0.80	1.7
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.63	0.71	1.5
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	1.1	0.85	1.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.80	0.76	1.1
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.76	0.67	0.54
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.67	0.67	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.63	0.76	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.55	0.67	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.47	0.76	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.7	0.63	0.67	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.9	0.67	0.59	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.67	0.55	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145.0	28.51	30.81	34.12
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.83	0.92	0.99	1.14
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	288	57	61	68
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	2.3	2.0	4.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.55	0.0
CAL YR 1990 TOTAL		69.81	MEAN	0.19	MAX	2.4	MIN	0.00	AC-FT	138		
WTR YR 1991 TOTAL		238.44	MEAN	0.65	MAX	9.1	MIN	0.00	AC-FT	473		

NO PEAK DATA AVAILABLE

TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAMS CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO

LOCATION.--Williams Creek-Squaw Pass ditch diverts water from Williams Creek (tributary to Piedra River) in sec.13, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec.10, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder.

REMARKS.--Record is complete and reliable except for the following periods: June 2, 3, 8, 9, 16, 17, 1991 when the chart ran out. Record is good except for periods of no gage-height record which is fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--WCSGITCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.96	1.6	0.56	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.4	0.56	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.2	0.66	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.2	0.41	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.2	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.2	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.2	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.1	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.99	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.93	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.93	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.93	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.88	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.93	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.88	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.93	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.88	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.88	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.93	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.88	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.82	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.93	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.82	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.82	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.77	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.66	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.9	0.61	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.9	0.61	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	86.76	29.72	2.19	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.89	0.96	0.07	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	59	4.3	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.6	0.66	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.61	0.0	0.0
CAL YR 1990 TOTAL		103.20	MEAN	0.28	MAX	6.6	MIN	0.00	AC-FT	205		
WTR YR 1991 TOTAL		118.67	MEAN	0.33	MAX	4.8	MIN	0.00	AC-FT	235		
MAX DISCH		6.1 CFS AT 1430	08-JUN-1991	GH		0.77 FT.	SHIFT		0.07 FT.	MAX GH		0.77 FT. AT 1430
08-JUN-1991												

TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Weminuche Pass ditch diverts water from left bank of Rincon la vaca Creek (tributary to Los Pinos River) in sec.5, T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec.33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--PRWDITCO04 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	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	1.4	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	1.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	3.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	2.8
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	2.4
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	2.3
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	2.3
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.3
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	2.1
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	2.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	1.9
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	2.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	2.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	2.1
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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	93.2	0.0	0.0	36.5
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.11	0.0	0.0	1.22
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	185	0.0	0.0	72
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	3.0
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 1990 TOTAL	227.32	MEAN	0.62	MAX	6.6	MIN	0.00	AC-FT	451
WTR YR 1991 TOTAL	129.7	MEAN	0.36	MAX	5.2	MIN	0.00	AC-FT	257

MAX DISCH 6.0 CFS AT 1715 07-JUN-1991 GH 0.67 FT. SHIFT -0.03 FT. MAX GH 0.67 FT. AT 1715
07-JUN-1991

TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Weminuche Pass ditch diverts water from left bank of Rincon la Vaca Creek (tributary to Los Pinos River) in sec.5., T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec.33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--WEMDITC005 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	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	1.2	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	2.8	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	2.1	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	339.28	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	11.3	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	673	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	19	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 1990 TOTAL	484.10	MEAN	1.33	MAX	12	MIN	0.00	AC-FT	960
WTR YR 1991 TOTAL	345.38	MEAN	0.95	MAX	19	MIN	0.00	AC-FT	685

MAX DISCH 22 CFS AT 2200 08-JUN-1991 GH 1.20 FT. SHIFT -0.13 FT. MAX GH 1.20 FT. AT 2200
08-JUN-1991

GUNNISON RIVER BASIN
MUDDY CREEK ABOVE PAONIA RESERVOIR

LOCATION.--Lat 38°59'15", long 107°20'53", in the NE¼SE¼NW¼ sec 28, T.12S., R.89W. in Gunnison County on the right bank 700 ft. downstream from county bridge and 1400 ft. upstream from high water line of Paonia Reservoir.

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

REMARKS.--Estimated daily discharge: November 22 to March 5, when stage-discharge relationship was ice affected. Records complete, reliable and good except for period of estimated record which is poor. Station maintained and records developed by Charles G. David.

RATING TABLE.--MUDAPRC004 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	23	22	22	19	24	40	122	361	77	30	5.3
2	47	35	22	22	19	24	64	167	354	70	41	6.1
3	52	30	22	23	20	25	67	179	342	65	43	4.1
4	31	23	22	23	20	26	85	192	331	60	44	2.2
5	25	30	22	23	20	27	116	181	312	55	23	5.4
6	23	25	22	23	20	29	145	238	334	51	19	7.7
7	22	19	22	22	20	19	162	320	361	47	22	21
8	24	17	21	22	20	15	162	479	331	46	21	38
9	22	14	21	22	20	19	130	723	314	62	18	36
10	22	11	21	22	20	20	126	886	288	58	17	33
11	22	11	22	22	20	24	110	950	268	57	20	34
12	22	10	23	22	21	20	88	782	257	50	24	29
13	20	11	24	22	21	17	75	708	240	42	28	31
14	19	12	24	22	21	17	68	881	232	35	29	31
15	18	12	24	22	21	15	67	756	273	30	28	21
16	18	15	25	22	21	15	86	559	274	27	37	18
17	18	15	25	22	22	16	124	480	255	27	31	15
18	18	15	24	22	22	23	151	599	255	28	25	23
19	25	19	24	22	22	28	154	844	244	31	28	23
20	42	25	24	21	22	27	159	908	219	31	29	22
21	29	22	23	20	22	23	180	874	191	30	25	22
22	22	22	23	20	22	20	175	812	170	25	22	22
23	19	22	23	20	22	20	181	753	149	23	19	20
24	17	22	23	19	22	28	171	663	134	37	12	18
25	17	22	22	19	23	31	192	598	117	36	12	16
26	17	23	22	19	23	27	192	585	103	32	9.9	16
27	16	22	22	19	23	24	151	633	90	32	8.3	17
28	15	22	22	19	24	22	136	604	83	30	8.6	19
29	13	22	21	19	---	22	128	497	80	29	15	20
30	15	23	21	19	---	17	123	459	79	27	11	21
31	19	---	21	19	---	27	---	406	---	28	7.8	---
TOTAL	732	594	699	655	592	691	3808	17838	7041	1278	707.6	596.8
MEAN	23.6	19.8	22.5	21.1	21.1	22.3	127	575	235	41.2	22.8	19.9
AC-FT	1450	1180	1390	1300	1170	1370	7550	35380	13970	2530	1400	1180
MAX	52	35	25	23	24	31	192	950	361	77	44	38
MIN	13	10	21	19	19	15	40	122	79	23	7.8	2.2

CAL YR 1990 TOTAL N/A MEAN N/A MAX N/A MIN N/A AC-FT N/A
WTR YR 1991 TOTAL 35232.4 MEAN 96.5 MAX 950 MIN 2.2 AC-FT 69880

MAX DISCH 1237 CFS AT 2215 10-MAY-1991 GH 8.01 FT. SHIFT 0.02 FT. MAX GH 8.01 FT. AT 2215

GUNNISON RIVER BASIN

ABC LATERAL NEAR MONTROSE, COLO

LOCATION.--Lat 38°29'06", long 107°44'57", in SE¼NE¼NE¼ sec. 27, T.49N., R.8W., Montrose County, on left bank of canal 270 ft. below takeout from South Canal, such takeout being 1700 ft. below the west portal of the Gunnison Tunnel.

GAGE.--Satellite telemetry with graphic water-stage recorder.

REMARKS.--Estimated daily discharges: Nov. 11 to Mar. 24, when canal off and only a small seepage flow present. Records fair except for period of estimated discharge which are poor. Station maintained and records developed by Charles G. David.

RATING TABLE.--ABCLATCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	4.3	3.0	3.0	3.0	3.0	11	54	79	149	153	154
2	47	4.2	3.0	3.0	3.0	3.0	11	65	80	149	153	151
3	19	4.2	3.0	3.0	3.0	3.0	11	80	122	150	153	149
4	20	4.2	3.0	3.0	3.0	3.0	11	84	145	150	152	148
5	26	4.2	3.0	3.0	3.0	3.0	11	84	146	150	152	147
6	25	4.2	3.0	3.0	3.0	3.0	12	83	145	150	152	147
7	25	4.2	3.0	3.0	3.0	3.0	11	81	144	150	152	146
8	25	4.0	3.0	3.0	3.0	3.0	11	80	142	151	152	144
9	23	3.0	3.0	3.0	3.0	3.0	11	80	143	150	152	94
10	20	3.0	3.0	3.0	3.0	3.0	10	80	143	154	152	66
11	20	3.0	3.0	3.0	3.0	3.0	9.4	80	143	154	152	63
12	19	3.0	3.0	3.0	3.0	3.0	9.1	80	144	154	151	62
13	19	3.0	3.0	3.0	3.0	3.0	8.9	80	144	155	151	60
14	19	3.0	3.0	3.0	3.0	3.0	9.0	80	144	155	151	58
15	19	3.0	3.0	3.0	3.0	3.0	8.9	80	145	155	151	58
16	19	3.0	3.0	3.0	3.0	3.0	19	79	145	155	151	58
17	19	3.0	3.0	3.0	3.0	3.0	30	78	145	155	151	58
18	18	3.0	3.0	3.0	3.0	3.0	42	78	146	155	151	57
19	18	3.0	3.0	3.0	3.0	3.0	46	78	147	155	151	56
20	18	3.0	3.0	3.0	3.0	3.0	46	78	147	155	151	56
21	18	3.0	3.0	3.0	3.0	3.0	46	79	148	155	151	56
22	18	3.0	3.0	3.0	3.0	3.0	46	79	148	155	151	55
23	18	3.0	3.0	3.0	3.0	3.0	40	79	148	155	151	55
24	18	3.0	3.0	3.0	3.0	3.0	38	79	149	154	151	57
25	18	3.0	3.0	3.0	3.0	3.0	45	82	149	154	151	60
26	18	3.0	3.0	3.0	3.0	3.0	49	83	149	154	151	60
27	18	3.0	3.0	3.0	3.0	3.0	3.4	50	82	149	154	60
28	15	3.0	3.0	3.0	3.0	7.3	50	82	149	154	152	60
29	3.5	3.0	3.0	3.0	---	10	50	83	149	154	149	60
30	4.0	3.0	3.0	3.0	---	10	50	83	149	154	151	60
31	4.2	---	3.0	3.0	---	10	---	82	---	153	151	---
TOTAL	618.7	99.5	93.0	93.0	84.0	118.7	802.3	2455	4226	4747	4694	2515
MEAN	20.0	3.32	3.00	3.00	3.00	3.83	26.7	79.2	141	153	151	83.8
AC-FT	1230	197	184	184	167	235	1590	4870	8380	9420	9310	4990
MAX	48	4.3	3.0	3.0	3.0	10	50	84	149	155	153	154
MIN	3.5	3.0	3.0	3.0	3.0	3.0	8.9	54	79	149	149	55
CAL YR 1990 TOTAL		N/A	MEAN	N/A	MAX	N/A	MIN	N/A	AC-FT	N/A		
WTR YR 1991 TOTAL		20546.2	MEAN	56.3	MAX	155	MIN	3.0	AC-FT	40750		
MAX DISCH		167 CFS	AT 1330	01-SEP-1991	GH	3.59 FT.	SHIFT	-0.17 FT.	MAX	GH	3.59 FT.	AT 1330
01-SEP-1991												

GUNNISON RIVER BASIN
SOUTH CANAL NEAR MONTROSE, COLO

LOCATION.--Lat 38°29'01", long 107°45'20", in NE¼SW¼NE¼ sec 27, T.49N., R.8W., Montrose County, on right bank of canal approximately 3600 ft. below the west portal of the Gunnison Tunnel.

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

REMARKS.--No estimated discharges. Records considered fair due to insufficient measurements. Record is complete and reliable. Station maintained and records developed by Charles G. David.

RATING TABLE.--SOUCANCO11 USED FROM 01-OCT-1990 TO 31-OCT-1989
RATING TABLE.--SOUCANCO12 USED FROM 01-NOV-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	503	0.0	0.0	0.0	0.0	0.0	288	534	829	813	801	775	
2	472	0.0	0.0	0.0	0.0	0.0	310	520	830	814	801	775	
3	410	0.0	0.0	0.0	0.0	0.0	275	745	824	822	798	775	
4	385	0.0	0.0	0.0	0.0	0.0	275	856	845	822	797	777	
5	340	0.0	0.0	0.0	0.0	0.0	275	854	857	822	797	779	
6	293	0.0	0.0	0.0	0.0	0.0	277	814	863	819	798	781	
7	303	0.0	0.0	0.0	0.0	0.0	278	754	841	820	797	783	
8	313	0.0	0.0	0.0	0.0	0.0	276	755	826	821	796	763	
9	323	0.0	0.0	0.0	0.0	0.0	228	646	827	823	796	760	
10	337	0.0	0.0	0.0	0.0	0.0	197	590	827	819	795	751	
11	287	0.0	0.0	0.0	0.0	0.0	144	589	828	815	794	663	
12	260	0.0	0.0	0.0	0.0	0.0	144	589	830	811	793	596	
13	262	0.0	0.0	0.0	0.0	0.0	140	586	833	808	794	507	
14	262	0.0	0.0	0.0	0.0	0.0	140	592	833	809	791	466	
15	262	0.0	0.0	0.0	0.0	0.0	140	602	834	807	791	467	
16	263	0.0	0.0	0.0	0.0	0.0	52	572	832	809	789	471	
17	262	0.0	0.0	0.0	0.0	0.0	130	554	828	811	789	473	
18	262	0.0	0.0	0.0	0.0	0.0	274	553	825	810	786	439	
19	262	0.0	0.0	0.0	0.0	0.0	314	553	822	809	785	416	
20	261	0.0	0.0	0.0	0.0	0.0	315	552	821	809	784	419	
21	260	0.0	0.0	0.0	0.0	0.0	314	550	833	807	781	419	
22	260	0.0	0.0	0.0	0.0	0.0	314	551	824	807	781	409	
23	260	0.0	0.0	0.0	0.0	0.0	381	552	820	806	779	412	
24	259	0.0	0.0	0.0	0.0	0.0	423	550	822	805	782	532	
25	259	0.0	0.0	0.0	0.0	0.0	21	499	609	824	805	779	648
26	258	0.0	0.0	0.0	0.0	0.0	172	543	635	825	805	779	661
27	258	0.0	0.0	0.0	0.0	0.0	215	543	636	823	806	778	658
28	232	0.0	0.0	0.0	0.0	0.0	233	540	634	820	805	778	660
29	0.0	0.0	0.0	0.0	---	230	539	635	815	805	777	661	
30	0.0	0.0	0.0	0.0	---	230	538	634	816	803	776	657	
31	0.0	---	0.0	0.0	---	230	---	773	---	802	774	---	
TOTAL	8368	0.0	0.0	0.0	0.0	1331	9106	19569	24877	25149	24436	18353	
MEAN	270	0.0	0.0	0.0	0.0	42.9	304	631	829	811	788	612	
AC-FT	16600	0.0	0.0	0.0	0.0	2640	18060	38820	49340	49880	48470	36400	
MAX	503	0.0	0.0	0.0	0.0	233	543	856	863	823	801	783	
MIN	0.0	0.0	0.0	0.0	0.0	0.0	52	520	815	802	774	409	

CAL YR 1990 TOTAL N/A MEAN N/A MAX N/A MIN N/A AC-FT N/A
WTR YR 1991 TOTAL 131189 MEAN 359 MAX 863 MIN 0.00 AC-FT 260200

MAX DISCH 894 CFS AT 0900 09-JUL-1991 GH 3.03 FT. SHIFT -0.35 FT. MAX GH 3.12 FT. AT 2200
09-SEP-1991

GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, COLO

LOCATION.--Lat 39°01'49", long 108°33'51", in NW¼SW¼NW¼ sec 35, T.1S.,R.1W., Mesa County, on the Right bank of canal 650 ft. below the Redlands diversion dam.

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

REMARKS.--Record is complete and reliable except for the following periods: January 3 to January 29 when inlet pipes were frozen. Stage-discharge relation affected by ice December 23 to January 2; January 30 to February 3, February 10-12 and 15-17. Records good except for estimated periods which are fair. Station maintained and records developed by Charles G. David.

RATING TABLE.--RLCGRJCO03 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	811	0.0	792	650	750	807	802	726	796	805	741	759
2	815	0.0	797	422	725	816	810	798	795	804	732	759
3	817	0.0	789	0.0	700	816	832	800	794	805	703	757
4	817	0.0	788	0.0	726	808	830	805	793	804	706	760
5	813	304	797	0.0	737	811	597	805	795	805	681	761
6	816	770	805	0.0	704	829	0.0	806	794	805	701	763
7	817	789	809	0.0	725	795	0.0	809	793	808	711	763
8	820	796	814	0.0	755	771	367	809	790	805	711	763
9	821	800	814	0.0	765	765	741	810	788	809	717	764
10	820	796	818	0.0	775	766	724	809	786	808	714	764
11	822	821	820	0.0	800	795	798	808	784	807	683	766
12	825	760	814	0.0	775	813	811	807	788	809	681	766
13	825	792	799	0.0	784	808	805	805	787	807	725	766
14	826	786	793	0.0	816	795	792	799	786	807	742	764
15	829	785	768	0.0	775	793	569	780	781	807	733	766
16	827	785	740	0.0	750	797	788	803	780	806	754	766
17	828	785	761	400	750	796	795	804	773	804	763	766
18	829	789	766	750	753	793	806	804	795	802	761	770
19	834	790	754	750	751	796	806	803	793	795	767	770
20	833	791	752	700	805	797	807	802	792	797	761	770
21	832	792	672	720	828	805	807	802	784	799	755	770
22	828	787	427	730	820	804	807	802	805	770	752	772
23	827	796	550	700	803	802	808	802	803	759	752	768
24	828	795	600	700	829	796	807	800	805	758	750	768
25	828	798	650	650	823	797	807	800	804	754	752	770
26	828	803	650	730	812	799	807	799	803	754	753	772
27	828	828	650	740	806	792	809	798	802	751	755	775
28	827	817	650	740	803	808	806	793	801	751	757	776
29	827	801	650	740	---	799	805	788	803	748	757	776
30	829	788	650	720	---	806	743	788	804	742	758	775
31	497	---	650	740	---	798	---	796	---	739	757	---
TOTAL	25224	20144	22589	11582	21645	24773	21486	24760	23797	24424	22785	23005
MEAN	814	671	729	374	773	799	716	799	793	788	735	767
AC-FT	50030	39960	44810	22970	42930	49140	42620	49110	47200	48440	45190	45630
MAX	834	828	820	750	829	829	832	810	805	809	767	776
MIN	497	0.0	427	0.0	700	765	0.0	726	773	739	681	757
CAL YR 1990 TOTAL		N/A	MEAN		N/A	MAX		N/A	AC-FT		N/A	
WTR YR 1991 TOTAL		266214	MEAN		729	MAX	834	MIN	0.00	AC-FT	528000	
MAX DISCH		865 CFS	AT 2300	11-NOV-1990	GH		7.37 FT.	SHIFT	-0.63 FT.	MAX GH		7.44 FT. AT 1715
02-OCT-1990												

ROARING FORK RIVER BASIN

ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

LOCATION.--Lat 39°13'30", long 106°51'30", NW¼SW¼ sec.5, T.9 S., R.85 W., Pitkin County, on left bank at Aspen Consolidated Sanitation Plant 0.5 mi east of Aspen Airport and 0.8 mi downstream from confluence of Maroon Creek.

DRAINAGE AREA.--N/A

GAGE.--Continuous water-stage recorder with satellite telemetry in 4'x6' concrete shelter. Control is a natural section.

REMARKS.--Records are good except for periods of ice effect, which are fair. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--ROABMCCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	164	114	102	90	88	92	123	747	771	292	171
2	159	165	116	102	90	88	106	141	740	755	304	211
3	189	162	110	104	90	86	101	147	669	733	320	182
4	170	157	112	110	92	88	101	145	657	692	360	177
5	172	161	114	110	90	93	114	137	755	654	312	174
6	156	152	114	106	90	87	124	144	911	627	293	162
7	161	148	110	106	90	86	129	156	901	639	290	179
8	196	146	112	106	92	80	132	180	1040	695	268	213
9	177	146	115	106	91	71	113	243	1220	661	252	216
10	180	144	118	106	90	89	115	322	1240	599	245	205
11	194	141	116	106	90	93	111	394	1470	545	241	227
12	177	138	116	107	90	78	105	384	1770	523	254	237
13	175	136	117	104	92	88	97	374	1600	504	276	224
14	172	137	113	103	90	90	101	425	1750	513	255	219
15	175	136	104	100	91	85	102	453	1810	501	244	230
16	174	135	106	102	91	85	108	371	1580	493	252	231
17	179	134	113	102	94	83	120	335	1470	545	231	226
18	170	134	111	100	91	87	129	386	1430	514	208	206
19	200	133	112	98	88	88	124	492	1220	477	211	192
20	196	133	114	92	91	89	125	543	1150	467	220	187
21	180	129	102	94	89	85	132	633	1190	444	206	181
22	176	117	94	96	90	88	126	684	1150	448	192	174
23	189	118	92	96	89	85	136	688	1080	451	182	168
24	183	120	90	100	86	87	135	620	1020	419	174	164
25	180	121	96	98	77	88	145	601	914	410	172	158
26	178	124	100	96	76	88	156	693	818	381	170	156
27	175	125	100	98	74	88	136	769	745	365	179	152
28	176	113	100	98	88	82	133	808	826	346	177	150
29	174	106	104	98	---	86	126	764	881	327	173	152
30	168	110	96	88	---	82	124	803	854	315	162	149
31	168	---	98	90	---	84	---	797	---	305	162	---
TOTAL	5456	4085	3329	3124	2482	2665	3598	13755	33608	16119	7277	5673
MEAN	176	136	107	101	88.6	86.0	120	444	1120	520	235	189
AC-FT	10820	8100	6600	6200	4920	5290	7140	27280	66660	31970	14430	11250
MAX	200	165	118	110	94	93	156	808	1810	771	360	237
MIN	137	106	90	88	74	71	92	123	657	305	162	149

CAL YR 1990 TOTAL 86095 MEAN 236 MAX 2490 MIN 75 AC-FT 170800
WTR YR 1991 TOTAL 101171 MEAN 277 MAX 1810 MIN 71 AC-FT 200700

MAX DISCH 2513 CFS AT 0130 12-JUN-1991 GH 5.53 FT. SHIFT -0.02 FT. MAX GH 5.53 FT. AT 0130
12-JUN-1991

ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder at 10 ft concrete suppressed weir.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Transmountain diversion above station through Charles H. Boustead tunnel. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--FRYIVLCO08 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	12	9.2	8.4	7.6	7.6	7.6	7.6	14	13	22	14
2	15	12	9.2	8.4	7.6	7.6	7.6	8.0	13	12	22	15
3	16	12	9.0	8.4	7.6	7.6	7.6	8.4	13	14	28	15
4	14	12	9.0	8.2	7.6	7.6	7.6	8.0	13	19	28	14
5	14	11	8.8	8.2	7.6	7.6	8.0	8.0	13	22	18	14
6	13	11	8.8	8.0	7.6	7.6	8.4	8.6	14	21	17	14
7	14	11	8.8	8.0	7.6	7.6	8.4	9.4	14	18	16	14
8	15	11	8.8	8.0	7.6	7.6	8.0	11	14	16	19	17
9	14	10	8.8	8.0	7.6	7.6	7.8	15	14	14	23	16
10	14	10	8.8	8.0	7.6	7.6	7.6	15	14	12	22	15
11	14	10	8.8	8.0	7.6	7.6	7.6	16	14	17	21	15
12	13	10	8.8	8.0	7.6	7.6	7.6	15	14	22	24	16
13	13	10	8.6	8.0	7.6	7.6	7.6	16	14	22	26	16
14	13	10	8.6	8.0	7.6	7.6	7.6	15	14	21	23	17
15	13	9.8	8.6	8.0	7.6	7.4	7.6	14	14	21	22	20
16	12	9.8	8.6	8.0	7.6	7.4	7.6	13	14	20	23	18
17	13	9.8	8.6	8.0	7.6	7.4	8.0	13	14	16	21	17
18	12	9.8	8.6	8.0	7.6	7.4	8.0	14	14	16	19	15
19	13	9.8	8.6	8.0	7.6	7.4	7.6	14	14	18	21	15
20	13	9.8	8.6	7.8	7.6	7.4	7.6	14	14	18	21	14
21	12	9.6	8.6	7.8	7.6	7.4	7.6	14	14	15	18	14
22	12	9.6	8.6	7.8	7.6	7.4	7.6	15	13	21	18	14
23	13	9.6	8.6	7.8	7.6	7.4	7.6	14	13	29	17	13
24	12	9.6	8.6	7.6	7.6	7.4	7.6	14	13	36	17	13
25	12	9.6	8.4	7.6	7.6	7.4	7.8	14	13	27	16	13
26	12	9.4	8.4	7.6	7.6	7.4	8.0	14	18	29	17	12
27	12	9.4	8.4	7.6	7.6	7.4	7.6	14	31	19	17	12
28	12	9.2	8.4	7.6	7.6	7.4	7.6	14	36	21	18	12
29	12	9.2	8.4	7.6	---	7.4	7.6	14	37	30	17	12
30	12	9.2	8.4	7.6	---	7.4	7.6	14	33	32	16	12
31	12	---	8.4	7.6	---	7.4	---	14	---	31	15	---
TOTAL	403	305.2	268.8	245.6	212.8	232.2	232.0	398.0	497	642	622	438
MEAN	13.0	10.2	8.67	7.92	7.60	7.49	7.73	12.8	16.6	20.7	20.1	14.6
AC-FT	799	605	533	487	422	461	460	789	986	1270	1230	869
MAX	16	12	9.2	8.4	7.6	7.6	8.4	16	37	36	28	20
MIN	12	9.2	8.4	7.6	7.6	7.4	7.6	7.6	13	12	15	12
CAL YR 1990 TOTAL		4382.7	MEAN	12.0	MAX	38	MIN	6.6	AC-FT	8690		
WTR YR 1991 TOTAL		4496.6	MEAN	12.3	MAX	37	MIN	7.4	AC-FT	8920		
MAX DISCH		39 CFS	AT 2300	29-JUN-1991	GH	1.47 FT.	SHIFT	0.02 FT.	MAX GH	1.47 FT.	AT 2300	
29-JUN-1991												

ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, about 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.89 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder at v-notch, sharp-crested weir. Altitude of gage is 9,980 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Transmountain diversions above station through Busk-Ivanhoe and Charles H. Boustead tunnels to Arkansas River basin. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--IVCRNACO03 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.76	3.2	2.4	2.0	1.6	1.6	1.6	1.8	3.1	2.2	1.3	0.69
2	2.1	3.1	2.4	2.0	1.6	1.6	1.6	2.2	2.9	2.2	1.9	0.66
3	2.2	3.2	2.3	2.0	1.6	1.6	1.6	2.2	2.3	2.5	2.6	0.59
4	1.6	3.1	2.3	1.9	1.6	1.6	1.6	2.0	2.6	2.4	3.2	0.56
5	1.6	3.0	2.2	1.9	1.6	1.6	1.6	2.0	3.1	2.4	2.0	0.52
6	1.4	3.0	2.2	1.8	1.6	1.6	2.0	2.3	3.5	2.3	1.8	0.50
7	1.6	3.0	2.2	1.8	1.6	1.6	2.0	2.6	3.0	2.3	2.0	0.56
8	2.9	3.0	2.2	1.8	1.6	1.6	1.8	5.0	3.3	2.3	1.6	1.1
9	3.1	3.0	2.2	1.8	1.6	1.6	1.7	10	3.2	2.4	1.5	1.0
10	2.5	3.0	2.2	1.8	1.6	1.6	1.6	4.9	3.2	2.3	1.4	0.69
11	2.1	2.9	2.2	1.8	1.6	1.6	1.6	4.8	3.3	2.8	1.3	0.73
12	1.5	2.9	2.1	1.8	1.6	1.6	1.6	4.4	3.2	3.0	1.6	0.97
13	1.5	2.9	2.1	1.8	1.6	1.6	1.6	4.2	3.2	3.0	2.4	0.80
14	1.9	2.9	2.1	1.8	1.6	1.6	1.6	3.4	3.5	2.5	1.6	1.1
15	3.2	2.8	2.1	1.8	1.6	1.5	1.6	2.3	3.5	2.2	1.3	1.9
16	3.4	2.8	2.1	1.8	1.6	1.5	1.6	1.9	3.2	2.8	1.4	1.6
17	3.1	2.8	2.1	1.8	1.6	1.5	1.8	1.8	3.1	3.4	1.2	1.3
18	3.1	2.8	2.1	1.8	1.6	1.5	1.8	2.4	2.8	3.3	1.0	1.1
19	3.5	2.8	2.1	1.8	1.6	1.5	1.6	2.7	2.6	2.8	1.1	0.89
20	3.4	2.8	2.1	1.7	1.6	1.5	1.6	3.0	2.6	3.9	1.2	0.84
21	3.5	2.7	2.1	1.7	1.6	1.5	1.6	3.3	2.4	3.5	1.2	0.80
22	3.8	2.7	2.1	1.7	1.6	1.5	1.6	3.1	2.2	3.0	0.97	0.76
23	3.6	2.6	2.1	1.7	1.6	1.5	1.6	2.7	2.1	3.0	0.93	0.69
24	3.6	2.6	2.1	1.6	1.6	1.5	1.6	2.4	2.4	3.1	0.84	0.66
25	3.6	2.6	2.0	1.6	1.6	1.5	1.7	2.4	2.9	3.0	0.89	0.66
26	3.5	2.5	2.0	1.6	1.6	1.5	1.9	3.1	2.6	2.6	0.89	0.62
27	3.5	2.5	2.0	1.6	1.6	1.5	1.8	3.3	2.4	2.6	1.1	0.62
28	3.5	2.4	2.0	1.6	1.6	1.5	1.8	3.0	2.3	2.0	1.7	0.59
29	3.4	2.4	2.0	1.6	---	1.5	1.8	2.9	2.2	1.6	1.0	0.56
30	3.3	2.4	2.0	1.6	---	1.5	1.8	2.9	2.2	1.5	0.84	0.56
31	3.2	---	2.0	1.6	---	1.5	---	2.7	---	1.4	0.80	---
TOTAL	84.96	84.4	66.1	54.6	44.8	47.9	50.9	97.7	84.9	80.3	44.56	24.60
MEAN	2.74	2.81	2.13	1.76	1.60	1.55	1.70	3.15	2.83	2.59	1.44	0.82
AC-FT	169	167	131	108	89	95	101	194	168	159	88	49
MAX	3.8	3.2	2.4	2.0	1.6	1.6	2.0	10	3.5	3.9	3.2	1.9
MIN	0.76	2.4	2.0	1.6	1.6	1.5	1.6	1.8	2.1	1.4	0.80	0.50
CAL YR 1990 TOTAL		N/A	MEAN	N/A	MAX	N/A	MIN	N/A	AC-FT	N/A		
WTR YR 1991 TOTAL		765.73	MEAN	2.10	MAX	10	MIN	0.50	AC-FT	1520		
MAX DISCH		13 CFS	AT 1130	11-JUL-1991	GH		1.49 FT.	SHIFT	0.00 FT.	MAX GH		1.49 FT. AT 1130
11-JUL-1991												

ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO

LOCATION.--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder contained in small metal box mounted on a 4 in. steel pipe well. Control is 5 ft concrete suppressed weir.

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Transmountain diversion above station through Charles H. Boustead tunnel. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--FRYSFU006 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	7.4	5.2	4.4	3.8	3.8	3.8	3.8	6.0	7.8	16	17
2	11	7.0	5.2	4.4	3.8	3.8	3.8	4.6	6.0	7.6	15	20
3	11	7.4	5.2	4.4	3.8	3.8	3.8	4.6	5.8	9.8	18	15
4	11	7.2	5.0	4.3	3.8	3.8	3.8	4.2	5.8	13	20	13
5	10	7.0	5.0	4.3	3.8	3.8	4.1	4.2	7.1	13	12	13
6	8.9	6.8	4.8	4.2	3.8	3.8	4.4	4.6	7.6	13	12	12
7	9.6	6.8	4.8	4.2	3.8	3.8	4.4	5.0	6.7	13	14	12
8	11	6.8	4.8	4.2	3.8	3.8	4.1	6.0	6.7	13	12	16
9	10	6.6	4.8	4.2	3.8	3.8	4.0	8.0	6.0	13	12	13
10	10	6.6	4.8	4.2	3.8	3.8	3.8	8.0	7.1	13	12	12
11	10	6.4	4.8	4.2	3.8	3.8	3.8	5.8	14	12	12	12
12	10	6.4	4.6	4.2	3.8	3.8	3.8	5.8	13	15	12	12
13	9.6	6.2	4.6	4.2	3.8	3.8	3.8	5.8	12	17	13	12
14	8.4	6.2	4.6	4.2	3.8	3.8	3.8	6.0	13	17	13	13
15	8.6	6.0	4.6	4.2	3.8	3.7	3.8	6.0	15	14	13	15
16	8.4	6.0	4.6	4.2	3.8	3.7	3.8	6.0	9.1	9.6	13	15
17	7.8	6.0	4.6	4.2	3.8	3.7	4.1	5.8	9.1	9.6	12	14
18	8.2	6.0	4.6	4.2	3.8	3.7	4.1	6.0	7.3	9.6	12	12
19	8.4	6.0	4.6	4.2	3.8	3.7	3.8	6.2	6.9	12	12	12
20	8.2	6.0	4.6	4.0	3.8	3.7	3.8	6.4	6.7	11	12	11
21	7.8	5.8	4.6	4.0	3.8	3.7	3.8	6.7	6.4	8.2	12	11
22	7.8	5.8	4.6	4.0	3.8	3.7	3.8	6.9	6.2	14	12	10
23	7.6	5.6	4.6	4.0	3.8	3.7	3.8	6.9	6.0	19	12	9.8
24	7.6	5.6	4.6	4.0	3.8	3.7	3.8	6.7	12	19	11	9.4
25	7.6	5.6	4.4	3.8	3.8	3.7	4.0	6.4	16	11	12	8.9
26	7.6	5.4	4.4	3.8	3.8	3.7	4.1	6.2	16	13	12	8.4
27	7.4	5.4	4.4	3.8	3.8	3.7	3.8	6.2	22	18	12	8.4
28	7.4	5.2	4.4	3.8	3.8	3.7	3.8	6.0	26	17	12	8.2
29	7.4	5.2	4.4	3.8	---	3.7	3.8	6.0	21	17	11	8.2
30	7.2	5.2	4.4	3.8	---	3.7	3.8	6.0	11	18	9.8	8.2
31	7.2	---	4.4	3.8	---	3.7	---	6.0	---	17	9.4	---
TOTAL	270.5	185.6	145.0	127.2	106.4	116.1	117.1	182.8	313.5	414.2	392.2	361.5
MEAN	8.73	6.19	4.68	4.10	3.80	3.75	3.90	5.90	10.4	13.4	12.7	12.1
AC-FT	537	368	288	252	211	230	232	363	622	822	778	717
MAX	11	7.4	5.2	4.4	3.8	3.8	4.4	8.0	26	19	20	20
MIN	7.2	5.2	4.4	3.8	3.8	3.7	3.8	3.8	5.8	7.6	9.4	8.2
CAL YR 1990 TOTAL			N/A	MEAN	N/A	MAX	N/A	MIN	N/A	AC-FT	N/A	
WTR YR 1991 TOTAL		2732.1	MEAN		7.49	MAX	26	MIN	3.7	AC-FT	5420	
MAX DISCH		60 CFS	AT 2130	01-SEP-1991	GH		3.44 FT.	SHIFT		0.01 FT.	MAX GH	3.44 FT. AT 2130
01-SEP-1991												

ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO

LOCATION.--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on left bank 700 ft downstream from Chapman diversion tunnel, 2.5 mi northwest of Nast, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.96 mi².

GAGE.--Graphic water-stage recorder contained in wooden box mounted on 18" metal pipe well along right edge of channel. Control is v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

REMARKS.--Record is good except for periods when clock stopped. Stilling well and channel stay ice-free during winter. Transmountain diversion above station to Charles H. Boustead tunnel. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--CHAGULCO05 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	3.9	2.8	2.4	2.0	2.0	2.0	2.0	3.5	4.7	4.3	13
2	7.6	3.7	2.8	2.4	2.0	2.0	2.0	2.4	3.4	4.6	7.4	14
3	6.9	3.9	2.7	2.4	2.0	2.0	2.0	2.4	3.6	4.5	15	10
4	6.2	3.8	2.7	2.3	2.0	2.0	2.0	2.2	3.9	4.4	17	9.0
5	5.6	3.7	2.6	2.3	2.0	2.0	2.2	2.2	4.3	4.4	13	8.1
6	5.0	3.6	2.6	2.2	2.0	2.0	2.4	2.4	4.9	4.2	12	7.8
7	5.1	3.6	2.6	2.2	2.0	2.0	2.4	2.6	4.3	4.1	12	9.0
8	5.5	3.6	2.6	2.2	2.0	2.0	2.2	3.3	5.5	4.2	10	14
9	4.9	3.5	2.6	2.2	2.0	2.0	2.1	5.6	10	4.3	9.4	10
10	5.0	3.5	2.6	2.2	2.0	2.0	2.0	18	6.4	5.6	8.8	8.8
11	4.9	3.4	2.6	2.2	2.0	2.0	2.0	39	6.7	7.6	8.4	9.0
12	4.3	3.4	2.5	2.2	2.0	2.0	2.0	37	6.7	7.4	10	9.2
13	4.4	3.3	2.5	2.2	2.0	2.0	2.0	15	7.1	7.4	14	8.8
14	4.4	3.3	2.5	2.2	2.0	2.0	2.0	6.8	11	7.2	12	9.0
15	4.4	3.2	2.5	2.2	2.0	1.9	2.0	6.6	12	7.2	8.8	12
16	4.4	3.2	2.5	2.2	2.0	1.9	2.0	4.2	5.2	7.4	8.1	11
17	4.0	3.2	2.5	2.2	2.0	1.9	2.2	4.2	5.9	5.8	8.8	9.8
18	4.3	3.2	2.5	2.2	2.0	1.9	2.2	5.2	8.1	4.5	7.9	8.8
19	4.4	3.2	2.5	2.2	2.0	1.9	2.0	9.2	5.1	4.4	9.0	8.1
20	4.3	3.2	2.5	2.1	2.0	1.9	2.0	10	6.9	4.3	9.2	7.6
21	4.1	3.1	2.5	2.1	2.0	1.9	2.0	9.0	6.6	4.3	8.1	7.0
22	4.1	3.1	2.5	2.1	2.0	1.9	2.0	4.6	4.7	8.0	7.2	6.8
23	4.0	3.0	2.5	2.1	2.0	1.9	2.0	4.2	3.6	7.2	6.9	6.5
24	4.0	3.0	2.5	2.0	2.0	1.9	2.0	3.7	12	5.1	6.9	6.2
25	4.0	3.0	2.4	2.0	2.0	1.9	2.1	3.6	22	4.8	7.9	5.9
26	4.0	2.9	2.4	2.0	2.0	1.9	2.2	4.6	22	4.4	9.5	5.8
27	3.9	2.9	2.4	2.0	2.0	1.9	2.0	5.9	26	4.3	10	5.6
28	3.9	2.8	2.4	2.0	2.0	1.9	2.0	5.4	32	4.3	9.6	5.4
29	3.9	2.8	2.4	2.0	---	1.9	2.0	5.2	32	4.3	7.8	5.2
30	3.8	2.8	2.4	2.0	---	1.9	2.0	4.9	28	4.3	6.8	5.4
31	3.8	---	2.4	2.0	---	1.9	---	4.0	---	4.3	6.3	---
TOTAL	143.2	98.8	78.5	67.0	56.0	60.3	62.0	235.4	313.4	163.5	292.1	256.8
MEAN	4.62	3.29	2.53	2.16	2.00	1.95	2.07	7.59	10.4	5.27	9.42	8.56
AC-FT	284	196	156	133	111	120	123	467	622	324	579	509
MAX	7.6	3.9	2.8	2.4	2.0	2.0	2.4	39	32	8.0	17	14
MIN	3.8	2.8	2.4	2.0	2.0	1.9	2.0	2.0	3.4	4.1	4.3	5.2

CAL YR 1990 TOTAL 1628.2 MEAN 4.46 MAX 27 MIN 1.6 AC-FT 3230
WTR YR 1991 TOTAL 1827.0 MEAN 5.01 MAX 39 MIN 1.9 AC-FT 3620

MAX DISCH 49 CFS AT 0030 11-MAY-1991 GH 3.12 FT. SHIFT 0.05 FT. MAX GH 3.12 FT. AT 0030
11-MAY-1991

ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec.21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Altitude of gage is 8,330 ft, from topographic map.

REMARKS.--Record good, except for periods of no gage-height, which are poor. One small irrigation diversion above gage and low flow slightly regulated by small recreation reservoir. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--FRYNFNCO09 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	6.2	10	6.8	5.2	4.8	4.8	8.2	21	129	51	18	5.4			
2	9.0	9.8	6.6	5.2	4.8	4.8	10	28	142	41	20	5.5			
3	17	9.1	6.2	5.2	4.8	4.8	11	34	126	42	21	5.2			
4	12	8.7	6.2	5.2	4.8	5.2	12	34	120	39	26	4.8			
5	11	9.8	6.4	5.2	4.6	6.0	16	30	133	37	20	4.3			
6	9.3	8.8	6.4	5.2	4.8	5.2	23	33	164	37	17	4.3			
7	9.3	9.0	6.4	5.2	4.8	5.6	28	38	156	34	17	5.9			
8	15	9.2	6.4	5.2	4.8	5.8	29	49	167	39	15	8.9			
9	16	8.8	6.4	5.0	4.8	5.8	26	87	178	39	13	11			
10	17	8.6	6.2	5.0	4.8	5.8	21	131	164	34	12	8.7			
11	21	8.4	6.2	5.0	4.8	5.8	17	175	167	30	11	8.1			
12	16	8.8	6.2	5.0	4.8	5.8	14	149	159	27	13	8.7			
13	15	9.0	6.2	5.0	4.8	5.8	13	120	151	24	16	9.8			
14	14	9.2	6.2	5.0	5.0	5.8	12	131	187	25	12	11			
15	14	9.2	6.0	5.0	5.0	5.6	11	122	194	32	10	17			
16	15	9.2	6.2	5.0	4.8	5.6	12	91	154	37	13	19			
17	16	9.0	6.0	5.0	5.0	5.6	15	87	142	46	11	15			
18	14	8.8	5.8	5.0	5.0	5.6	26	120	126	47	9.3	12			
19	18	8.8	5.8	5.0	5.0	5.8	21	149	112	40	9.5	10			
20	18	8.6	6.0	5.0	5.0	6.0	21	151	109	45	11	9.1			
21	13	8.0	5.8	5.0	5.0	5.8	22	161	104	40	10	8.1			
22	14	7.2	5.6	5.0	5.0	6.0	20	164	95	28	9.1	7.3			
23	18	7.8	5.4	5.0	5.0	6.0	20	140	86	36	8.3	6.5			
24	16	7.8	5.2	5.0	5.0	6.2	24	124	80	37	7.7	5.9			
25	15	7.8	5.4	5.0	4.8	6.4	30	112	75	50	7.5	5.5			
26	14	8.0	5.4	5.0	4.8	6.2	32	129	67	39	6.7	5.2			
27	13	7.8	5.4	5.0	4.8	6.2	26	142	59	43	7.9	4.9			
28	13	7.4	5.4	4.8	4.8	6.2	23	149	58	32	9.3	4.8			
29	12	7.0	5.4	5.0	---	6.4	21	142	59	26	9.1	4.8			
30	11	6.8	5.4	4.8	---	6.2	20	140	58	23	7.3	4.6			
31	10	---	5.2	4.8	---	6.8	---	127	---	20	5.7	---			
TOTAL	431.8	256.4	184.2	156.0	136.2	179.6	584.2	3310	3721	1120	383.4	241.3			
MEAN	13.9	8.55	5.94	5.03	4.86	5.79	19.5	107	124	36.1	12.4	8.04			
AC-FT	856	509	365	309	270	356	1160	6570	7380	2220	760	479			
MAX	21	10	6.8	5.2	5.0	6.8	32	175	194	51	26	19			
MIN	6.2	6.8	5.2	4.8	4.6	4.8	8.2	21	58	20	5.7	4.3			
CAL YR 1990 TOTAL			N/A	MEAN		N/A	MAX		N/A	AC-FT		N/A			
WTR YR 1991 TOTAL		10704.1	MEAN		29.3	MAX		194	MIN	4.3	AC-FT	21230			
MAX DISCH		243 CFS	AT	2130	10-MAY-1991	GH		4.19 FT.	SHIFT		0.07 FT.	MAX GH	4.19 FT.	AT	2130
10-MAY-1991															

ROARING FORK RIVER BASIN

09078600 FRYINGPAN RIVER NEAR THOMASVILLE, CO

LOCATION.--Lat 39°20'41", long 106°40'23", in NW¼NW¼ sec.21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on right bank 400 ft upstream from private bridge, 400 ft downstream from North Fork, 1.6 mi southeast of Thomasville, and 1.7 mi northwest of Norrie.

DRAINAGE AREA.--134 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,210 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Transmountain diversions upstream from station to Arkansas River basin through Busk-Ivanhoe tunnel since June 1925 and Charles H. Boustead tunnel since May 16, 1972. Record is complete and reliable except for Nov. 30, and Dec. 1-10, 1990 when the gage height was ice affected. Record is good except for periods of no gage-height record which are fair. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--FRYTHOC001 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	42	49	31	22	19	19	29	54	293	135	95	49	
2	54	48	30	22	19	19	34	78	332	115	94	78	
3	75	46	28	22	19	19	35	91	292	110	118	63	
4	57	44	28	22	19	20	36	89	281	114	138	56	
5	58	46	29	22	18	22	49	79	296	114	107	53	
6	52	41	29	22	19	19	64	88	362	113	79	50	
7	52	43	29	22	19	20	78	102	338	107	90	58	
8	68	44	29	21	19	21	79	135	336	116	77	76	
9	63	42	29	21	19	21	66	238	366	110	79	74	
10	63	41	28	21	19	21	60	348	346	103	75	61	
11	69	39	28	21	19	21	53	428	355	106	73	60	
12	57	40	28	21	19	21	46	392	354	107	78	65	
13	56	41	28	21	19	21	43	336	325	108	97	63	
14	56	42	28	21	20	21	41	340	368	105	81	71	
15	57	42	27	21	20	20	40	293	404	109	73	88	
16	59	42	28	21	19	20	44	221	340	107	77	90	
17	59	41	27	21	20	20	58	221	287	112	73	77	
18	54	40	26	21	20	20	70	282	268	103	66	66	
19	65	40	26	21	20	21	61	349	247	105	67	59	
20	66	39	27	21	20	22	61	363	236	127	73	55	
21	55	36	26	20	20	21	64	387	227	110	67	52	
22	55	31	24	20	20	22	58	383	217	100	61	48	
23	65	35	23	20	20	22	58	335	215	126	60	45	
24	59	35	22	20	20	23	64	298	214	136	59	44	
25	57	35	23	20	19	24	74	270	225	142	62	42	
26	56	37	23	20	19	23	78	303	211	114	59	40	
27	55	36	23	20	19	23	66	324	216	132	68	40	
28	55	34	23	19	19	23	58	322	234	102	69	38	
29	53	32	23	20	---	24	54	307	232	105	64	38	
30	51	31	23	19	---	23	53	300	222	108	54	38	
31	49	---	22	19	---	25	---	277	---	105	49	---	
TOTAL	1792	1192	818	644	541	661	1674	8033	8639	3506	2382	1737	
MEAN	57.8	39.7	26.4	20.8	19.3	21.3	55.8	259	288	113	76.8	57.9	
AC-FT	3550	2360	1620	1280	1070	1310	3320	15930	17140	6950	4720	3450	
MAX	75	49	31	22	20	25	79	428	404	142	138	90	
MIN	42	31	22	19	18	19	29	54	211	100	49	38	
CAL YR 1990 TOTAL		27263	MEAN	74.7	MAX	461	MIN	14	AC-FT	54080			
WTR YR 1991 TOTAL		31619	MEAN	86.6	MAX	428	MIN	18	AC-FT	62720			
MAX DISCH		578	CFS AT 0330	15-JUN-1991	GH	3.33	FT.	SHIFT	0.01	FT.	MAX GH	3.33	FT. AT 0330
15-JUN-1991													

ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec.11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch metal pipe shelter and well and a natural channel control.

REMARKS.--Records are good, except for periods of no gage-height record and ice affect, which are fair. Diversions for irrigation above station along with transmountain diversions to Arkansas River basin through Busk-Ivanhoe tunnel. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	64	42	33	29	29	43	70	436	219	128	61
2	66	63	41	33	29	29	49	90	477	188	123	89
3	90	61	39	33	29	29	49	105	427	173	145	75
4	72	61	39	33	29	30	51	110	394	170	167	67
5	72	66	40	33	28	32	66	97	403	164	140	65
6	67	61	40	33	29	29	80	108	508	159	110	64
7	67	60	40	32	29	30	97	125	503	153	120	72
8	83	58	40	31	29	31	95	156	497	162	105	89
9	80	57	40	31	29	31	85	280	550	167	105	92
10	80	55	39	31	29	31	78	420	534	159	99	80
11	90	54	39	31	29	31	70	530	523	156	94	82
12	75	54	39	31	29	31	63	485	539	156	92	85
13	74	52	39	31	29	30	60	420	503	150	116	83
14	73	58	39	31	30	30	57	425	534	145	101	89
15	74	55	38	31	30	30	55	370	577	148	94	105
16	75	57	39	31	29	30	58	285	523	145	97	110
17	75	54	38	31	30	30	70	285	456	150	94	97
18	69	54	37	31	30	30	85	375	431	145	87	90
19	80	52	37	31	30	33	80	470	389	148	89	83
20	81	52	38	31	30	33	77	495	366	164	94	77
21	69	48	37	30	30	34	82	540	353	162	89	72
22	69	42	35	30	30	37	75	534	336	135	82	69
23	79	47	34	30	30	37	75	487	327	164	80	64
24	72	47	33	30	30	37	82	436	310	167	77	61
25	70	47	34	30	29	38	90	380	319	179	82	60
26	70	49	34	30	29	37	97	412	295	145	78	58
27	67	48	34	30	29	37	82	472	287	170	87	57
28	67	46	34	29	29	37	74	497	291	135	87	55
29	66	44	34	30	---	38	72	477	291	137	82	55
30	64	42	34	29	---	37	69	472	284	137	72	55
31	63	---	33	29	---	39	---	446	---	135	66	---
TOTAL	2256	1608	1159	960	821	1017	2166	10854	12663	4887	3082	2261
MEAN	72.8	53.6	37.4	31.0	29.3	32.8	72.2	350	422	158	99.4	75.4
AC-FT	4470	3190	2300	1900	1630	2020	4300	21530	25120	9690	6110	4480
MAX	90	66	42	33	30	39	97	540	577	219	167	110
MIN	57	42	33	29	28	29	43	70	284	135	66	55
CAL YR 1990 TOTAL		35569	MEAN	97.4	MAX	599	MIN	22	AC-FT	70550		
WTR YR 1991 TOTAL		43734	MEAN	120	MAX	577	MIN	28	AC-FT	86750		
MAX DISCH		704 CFS AT 0500	15-JUN-1991	GH		3.72 FT.	SHIFT	-0.03 FT.	MAX GH		3.72 FT.	AT 0500
15-JUN-1991												

ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec.18, T.8 S., R.84 W., Pitkin County, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway and auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry mounted of top of Ruedi Dam. Datum of gage is 7,494.50 ft. Control is sharp-crested v-notch weir.

REMARKS.--Record is poor due to malfunction of nitrogen bubbler during low and moderate flows. A stilling well was installed on October 3, 1991. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	3.4	3.2	2.5	2.2	2.2	2.1	2.7	5.0	41	19	7.1	4.7		
2	3.4	3.0	2.5	2.2	2.2	2.1	2.8	5.2	42	18	7.8	4.6		
3	3.6	3.0	2.4	2.2	2.2	2.1	3.0	5.5	40	16	8.8	4.5		
4	3.4	2.8	2.4	2.2	2.2	2.1	3.0	6.0	41	15	8.6	4.4		
5	3.4	2.8	2.5	2.2	2.2	2.1	3.2	5.8	44	14	8.4	4.4		
6	3.4	2.6	2.5	2.2	2.2	2.1	3.8	6.0	51	14	8.4	4.3		
7	3.6	2.6	2.5	2.2	2.2	2.1	4.1	6.0	54	14	8.4	4.4		
8	3.6	2.6	2.5	2.2	2.2	2.1	4.3	6.2	56	13	8.1	4.9		
9	3.6	2.6	2.5	2.2	2.2	2.1	4.0	6.4	58	14	7.5	5.0		
10	3.6	2.4	2.5	2.2	2.2	2.1	4.1	6.6	58	13	7.0	5.0		
11	3.6	2.4	2.5	2.2	2.2	2.1	4.1	10	58	12	6.8	5.5		
12	3.4	2.4	2.5	2.2	2.2	2.1	4.0	20	56	12	6.5	5.6		
13	3.4	2.4	2.5	2.2	2.2	2.1	3.8	23	55	11	6.6	5.5		
14	3.4	2.4	2.5	2.2	2.2	2.2	3.9	25	54	11	6.5	5.4		
15	3.4	2.4	2.3	2.2	2.2	2.2	4.0	31	54	10	6.2	5.7		
16	3.4	2.4	2.3	2.2	2.2	2.2	4.0	25	51	10	6.2	5.7		
17	3.4	2.4	2.3	2.2	2.2	2.2	5.0	21	49	10	5.9	5.6		
18	3.4	2.4	2.3	2.2	2.2	2.2	5.0	22	44	10	5.6	5.5		
19	3.4	2.4	2.3	2.2	2.2	2.4	4.5	30	43	9.8	5.7	5.2		
20	3.4	2.7	2.3	2.2	2.2	2.5	4.5	35	39	9.8	5.8	5.0		
21	3.4	2.5	2.3	2.2	2.2	2.5	4.8	37	35	9.8	5.3	4.9		
22	3.4	2.5	2.3	2.2	2.2	2.5	4.7	40	34	9.8	4.9	4.7		
23	3.2	2.5	2.2	2.2	2.2	2.5	4.7	40	32	9.5	4.7	4.6		
24	3.2	2.5	2.2	2.2	2.2	2.6	4.8	37	29	9.2	4.7	4.5		
25	3.2	2.5	2.2	2.2	2.1	2.6	5.2	34	26	9.0	4.7	4.3		
26	3.2	2.5	2.2	2.2	2.1	2.6	5.5	36	25	8.8	4.6	4.3		
27	3.2	2.5	2.2	2.2	2.1	2.6	5.3	40	23	8.8	4.7	4.1		
28	3.2	2.4	2.2	2.2	2.1	2.4	5.3	43	22	8.6	4.9	3.9		
29	3.2	2.4	2.2	2.2	---	2.4	5.2	42	21	8.4	5.0	3.8		
30	3.2	2.5	2.2	2.2	---	2.4	5.1	42	20	7.4	5.0	3.8		
31	3.2	---	2.2	2.2	---	2.5	---	40	---	7.3	4.9	---		
TOTAL	104.8	76.7	73.0	68.2	61.2	70.8	128.4	731.7	1255	352.2	195.3	143.8		
MEAN	3.38	2.56	2.35	2.20	2.19	2.28	4.28	23.6	41.8	11.4	6.30	4.79		
AC-FT	208	152	145	135	121	140	255	1450	2490	699	387	285		
MAX	3.6	3.2	2.5	2.2	2.2	2.6	5.5	43	58	19	8.8	5.7		
MIN	3.2	2.4	2.2	2.2	2.1	2.1	2.7	5.0	20	7.3	4.6	3.8		
CAL YR 1990 TOTAL		1853.9	MEAN	5.08	MAX	45	MIN	2.2	AC-FT	3680				
WTR YR 1991 TOTAL		3261.1	MEAN	8.93	MAX	58	MIN	2.1	AC-FT	6470				
MAX DISCH		69 CFS	AT 2200	09-JUN-1991	GH	1.49	FT.	SHIFT	0.00	FT.	MAX GH	1.49	FT.	AT 2200
09-JUN-1991														

DOLOROS RIVER BASIN

DOLOROS RIVER BELOW MCPHEE RESERVOIR NEAR DOLOROS, CO

LOCATION.--Lat 37°34'33", long 108°34'33", in SE¼SE¼ sec. 2, T.38 N., R.16 W., Montezuma County.

DRAINAGE AREA.--550 mi².

GAGE.--Satellite telemetry and 15 foot parshall flume with wing walls. Datum of gauge is 6,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Diversions for irrigation of up to 2000 acres upstream of gage in the Dolores River basin and diversions for irrigation of up to 4700 acres in the San Juan Basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-feet. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--DOLBMCC002 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	32	29	31	36	29	28	40	69	66	66	60
2	31	34	28	31	36	29	28	40	69	66	66	60
3	30	34	28	30	37	29	27	40	70	66	67	60
4	31	33	29	24	45	29	27	40	70	66	66	60
5	31	32	30	27	45	28	27	40	71	66	66	61
6	30	31	30	27	45	28	27	40	72	66	67	55
7	31	30	30	28	45	28	27	40	70	66	68	50
8	30	29	29	30	35	28	27	40	69	66	67	50
9	32	29	29	30	28	28	27	40	69	66	67	50
10	32	29	30	30	28	28	34	40	70	66	67	50
11	32	29	30	31	27	28	38	40	69	66	66	51
12	32	29	33	32	28	28	37	41	69	66	66	51
13	32	29	35	32	28	28	37	131	69	65	66	51
14	32	29	35	31	28	28	37	208	68	66	66	51
15	32	29	36	30	28	28	37	212	66	65	58	51
16	32	29	34	30	29	28	37	210	66	65	56	51
17	32	29	33	30	29	28	37	526	66	65	56	50
18	32	29	32	30	29	28	38	802	66	66	56	50
19	32	30	32	30	29	28	40	822	66	65	56	40
20	33	29	33	30	29	28	40	815	66	65	56	34
21	32	29	33	30	29	28	40	829	66	65	55	34
22	32	29	33	30	29	28	40	838	66	65	55	34
23	32	29	33	30	29	28	39	840	66	65	55	33
24	32	29	32	30	29	28	40	841	66	66	55	33
25	31	29	31	30	29	28	41	837	65	65	56	33
26	30	29	31	30	29	28	40	837	65	66	56	33
27	30	29	31	30	29	28	40	851	65	65	57	33
28	30	29	31	33	29	28	41	590	65	66	58	33
29	30	28	31	36	---	28	40	268	65	66	59	33
30	30	29	31	36	---	28	40	124	66	66	59	33
31	30	---	31	36	---	28	---	68	---	66	59	---
TOTAL	969	893	973	945	896	872	1058	11130	2025	2035	1893	1368
MEAN	31.3	29.8	31.4	30.5	32.0	28.1	35.3	359	67.5	65.6	61.1	45.6
AC-FT	1920	1770	1930	1870	1780	1730	2100	22080	4020	4040	3750	2710
MAX	33	34	36	36	45	29	41	851	72	66	68	61
MIN	30	28	28	24	27	28	27	40	65	65	55	33
CAL YR 1990 TOTAL		N/A	MEAN	N/A	MAX	N/A	MIN	N/A	AC-FT	N/A		
WTR YR 1991 TOTAL		25057	MEAN	68.6	MAX	851	MIN	24	AC-FT	49700		
MAX DISCH		860 CFS	AT 0300	27-MAY-1991	GH	4.49 FT.	SHIFT	-0.19 FT.	MAX	GH	4.49 FT.	AT 0300
27-MAY-1991												

SAN JUAN RIVER BASIN

09343300 RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°12'13", long 106°48'42", in NW¼ sec.11, T.34 N., R.1 E., Archuleta County, Hydrologic Unit 14080101, on left bank 250 ft downstream from Blanco Diversion Dam, 1.1 mi downstream from Leche Creek, and 12 mi southeast of Pagosa Springs.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,858.04 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Bureau of Reclamation).

REMARKS.--Flows controlled by diversion dam upstream. Record is complete and reliable except for the following periods: Oct. 17-Dec. 10, 1990; Aug. 21-Sep. 12, and Sep. 23-30, 1990 when the U.S.B.R. blocked off the flume, partially isolating the gage, resulting in an indefinite stage-discharge relationship. July 15-17, 1991 when the U.S.B.R. opened up the sluice gate to increase downstream releases and sluiced a large amount of gravel into the parshall flume, resulting in an indefinite stage-discharge relationship. Stage-discharge relationship ice affected Dec. 11, 15-19, 21-27, and 31, 1990; Jan. 1-6, 11-24, 28-29, and 31; Feb. 1-17, 19, 21, 22; Mar. 3-4, 8-10, 17-18, 23, 28, 1991. Record good except for the winter period and the period of indefinite stage-discharge relationship which is poor. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--RIOBLACO05 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	60	34	22	22	28	59	41	46	94	30	46
2	22	58	34	24	24	27	80	44	37	31	137	36
3	21	56	30	24	24	28	113	45	29	31	148	36
4	21	58	30	24	24	30	168	45	26	31	133	32
5	22	60	32	24	26	36	227	44	28	31	86	28
6	20	58	30	26	26	33	111	45	31	31	114	30
7	20	54	30	26	26	29	26	51	32	32	137	56
8	21	52	30	24	26	26	36	95	32	32	70	130
9	20	60	32	25	26	26	24	137	32	30	35	170
10	20	70	32	24	28	26	24	144	36	29	35	80
11	20	66	32	22	30	27	24	144	30	29	35	100
12	20	64	32	20	30	30	23	128	25	29	35	200
13	21	62	33	20	28	37	23	150	38	28	34	30
14	21	60	28	22	28	40	23	148	94	29	33	33
15	21	58	26	24	30	34	23	106	50	40	34	32
16	20	56	26	22	32	32	24	62	45	52	33	32
17	40	54	26	24	30	30	32	69	24	40	33	31
18	50	52	24	22	28	28	35	116	25	31	34	31
19	60	50	24	22	26	39	40	132	26	32	32	30
20	80	52	23	22	28	36	59	120	26	31	31	30
21	74	48	22	20	30	34	68	115	26	31	28	30
22	70	46	20	18	32	32	40	115	26	31	36	30
23	74	44	18	18	34	30	22	95	25	31	36	32
24	76	46	16	18	31	36	21	81	25	31	48	36
25	80	48	18	20	29	39	21	72	24	33	38	34
26	78	50	20	21	29	36	21	86	24	32	40	30
27	76	44	24	21	30	34	20	89	24	32	36	28
28	74	40	26	20	30	32	20	75	23	31	36	26
29	70	36	26	20	---	34	20	76	28	31	32	26
30	68	32	25	21	---	34	26	62	39	32	42	26
31	64	---	22	20	---	39	---	53	---	31	44	---
TOTAL	1366	1594	825	680	787	1002	1453	2785	976	1059	1675	1491
MEAN	44.1	53.1	26.6	21.9	28.1	32.3	48.4	89.8	32.5	34.2	54.0	49.7
AC-FT	2710	3160	1640	1350	1560	1990	2880	5520	1940	2100	3320	2960
MAX	80	70	34	26	34	40	227	150	94	94	148	200
MIN	20	32	16	18	22	26	20	41	23	28	28	26

CAL YR 1990 TOTAL 9885.9 MEAN 27.1 MAX 80 MIN 5.0 AC-FT 19610
WTR YR 1991 TOTAL 15693 MEAN 43.0 MAX 227 MIN 16 AC-FT 31130

NO PEAK DISCHARGE DATA AVAILABLE

SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 22 to Feb. 27. Records good to fair except for estimated daily discharges which are poor. Diversions for irrigation of about 3170 acres upstream from station. Highwater diversions upstream from station into Heron Reservoir through the Azotea Tunnel began in 1971. Station maintained and records developed by Richard E. (Val) Valentine and Scott D. Brinton.

RATING TABLE RIOMOU003 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	74	83	42	28	30	45	172	119	100	37	31	53		
2	62	78	44	30	32	43	225	132	93	33	141	44		
3	53	76	38	30	34	50	294	140	77	33	151	44		
4	53	76	36	30	34	62	412	144	68	32	147	39		
5	50	82	40	30	36	85	628	136	70	31	136	36		
6	45	76	40	34	36	85	574	149	72	33	69	38		
7	44	68	40	34	36	59	482	154	72	38	169	56		
8	56	77	40	32	36	55	326	229	72	32	94	139		
9	44	90	42	34	36	63	286	306	83	30	40	181		
10	40	93	44	32	38	59	286	326	82	30	39	86		
11	39	86	44	30	40	51	216	310	82	31	43	110		
12	36	80	44	26	40	64	163	290	76	30	41	316		
13	36	77	46	26	40	90	140	322	87	30	41	62		
14	35	76	38	28	40	68	132	314	144	30	40	58		
15	34	71	32	32	40	63	142	245	184	42	42	53		
16	34	70	32	28	44	50	163	181	98	60	41	47		
17	32	67	32	32	42	62	229	163	78	51	40	45		
18	44	64	30	30	40	80	252	229	68	33	42	43		
19	45	62	30	30	40	85	248	283	71	33	43	43		
20	59	63	30	30	42	72	269	269	63	33	33	41		
21	95	56	28	28	44	65	302	290	56	33	32	41		
22	92	54	24	24	46	56	248	286	54	39	42	39		
23	86	52	20	24	50	74	195	252	50	35	41	40		
24	121	54	16	24	48	93	170	216	53	36	54	47		
25	121	56	18	26	46	93	165	176	48	36	47	43		
26	110	58	22	28	46	88	158	187	47	36	48	38		
27	108	52	26	28	50	83	138	213	41	37	43	36		
28	102	48	30	28	56	95	121	189	38	32	43	34		
29	95	42	30	28	---	88	110	170	50	32	38	34		
30	92	38	30	28	---	78	104	138	113	34	49	33		
31	85	---	28	28	---	109	---	119	---	33	51	---		
TOTAL	2022	2025	1036	900	1142	2213	7350	6677	2290	1085	1911	1919		
MEAN	65.2	67.5	33.4	29.0	40.8	71.4	245	215	76.3	35.0	61.6	64.0		
AC-FT	4010	4020	2050	1790	2270	4390	14580	13240	4540	2150	3790	3810		
MAX	121	93	46	34	56	109	628	326	184	60	169	316		
MIN	32	38	16	24	30	43	104	119	38	30	31	33		
CAL YR 1990 TOTAL		N/A	MEAN	N/A	MAX	N/A	MIN	N/A	AC-FT	N/A				
WTR YR 1991 TOTAL		30570	MEAN	83.8	MAX	628	MIN	16	AC-FT	60640				
MAX DISCH		1037	CFS AT	0515	12-SEP-1991	GH	4.01	FT. SHIFT	0.02	FT. MAX	GH	4.01	FT. AT	0515
12-SEP-1991														

SAN JUAN RIVER BASIN

09344000 NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO, CO

LOCATION.--Lat 37°05'07", long 106°41'20", in SE¼NW¼ sec.24, T.33 N., R.2 E., Archuleta County, Hydrologic Unit 14080101, on left bank at downstream side of private bridge on Banded Peak Ranch, 0.5 mi downstream from Cutthroat Creek, 2.8 mi downstream from East Fork of the Navajo River, and 11.2 mi northeast of Chromo, Co.

DRAINAGE AREA.--69.8 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,939.3 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

REMARKS.--Diversions for irrigation of about 450 acres upstream from station. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Dec. 17-18, 1990; Dec. 4-9, 20-31, 1990; Jan. 1-31; Feb. 1-13, 1991, when float was frozen in ice in well; Oct. 22-24 and 31; Nov. 1-14, 1990, when clock was stopped. Record good to fair except for the winter period and period of no gage-height record which is poor. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--NAVBANCO21 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	66	39	32	24	41	55	133	362	211	66	56
2	133	72	38	34	26	39	68	154	330	177	120	54
3	114	72	31	34	24	39	84	166	261	151	135	51
4	89	68	32	34	28	41	124	166	238	142	132	52
5	79	66	34	36	30	50	168	158	276	135	159	55
6	76	64	34	38	32	47	228	184	298	129	146	99
7	79	62	34	40	34	42	272	205	310	120	165	79
8	98	56	34	40	36	41	225	276	366	126	116	74
9	82	62	36	38	36	40	194	370	374	122	107	65
10	78	66	38	36	38	41	200	410	370	114	104	71
11	73	62	38	32	40	40	184	460	397	107	95	93
12	67	62	39	30	40	41	154	451	392	98	89	156
13	61	62	41	30	40	43	131	451	460	93	89	123
14	60	60	35	32	41	48	129	485	668	84	82	104
15	58	57	35	34	42	46	151	446	505	82	79	91
16	57	54	34	32	43	44	197	354	442	82	75	80
17	55	54	34	34	44	43	248	338	428	81	71	72
18	54	53	34	32	41	44	283	424	409	79	71	65
19	61	53	35	30	41	46	276	500	388	74	78	62
20	68	54	34	28	41	46	306	470	358	74	71	59
21	64	52	32	26	43	44	338	485	338	81	67	56
22	68	47	28	24	44	43	306	490	310	100	66	52
23	80	46	22	22	44	43	268	465	279	102	69	49
24	82	47	18	22	43	44	248	410	258	100	68	47
25	84	47	24	24	43	46	248	410	243	95	66	46
26	84	48	26	24	42	44	219	475	219	91	63	44
27	79	46	30	24	42	39	186	515	205	79	61	44
28	76	41	32	24	42	47	168	510	222	71	61	44
29	73	41	34	24	---	46	149	480	232	73	62	44
30	68	38	32	26	---	46	140	451	258	70	60	43
31	66	---	30	24	---	48	---	397	---	68	58	---
TOTAL	2386	1678	1017	940	1064	1352	5947	11689	10196	3211	2751	2030
MEAN	77.0	55.9	32.8	30.3	38.0	43.6	198	377	340	104	88.7	67.7
AC-FT	4730	3330	2020	1860	2110	2680	11800	23190	20220	6370	5460	4030
MAX	133	72	41	40	44	50	338	515	668	211	165	156
MIN	54	38	18	22	24	39	55	133	205	68	58	43

CAL YR 1990 TOTAL 33247 MEAN 91.1 MAX 674 MIN 12 AC-FT 65950
WTR YR 1991 TOTAL 44261 MEAN 121 MAX 668 MIN 18 AC-FT 87790

MAX DISCH 796 CFS AT 0345 14-JUN-1991 GH 3.00 FT. SHIFT -0.02 FT. MAX GH 3.00 FT. AT 0345
14-JUN-1991

SAN JUAN RIVER BASIN

09344400 NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO, CO

LOCATION.--Lat 37°01'49", long 106°44'14", in NE¼NW¼ sec.9, T.34 N., R.2 E., Archuleta County, Hydrologic Unit 14080101, on left bank 600 ft downstream from Oso Diversion Dam, 5.8 mi east of Chromo, and 6.1 mi upstream from Little Navajo River.

DRAINAGE AREA.--100.5 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,665.30 ft above mean sea level

REMARKS.--Flows controlled by diversion dam upstream of diversions through the Oso Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Dec. 15-31, 1990; Jan. 1-31; Feb. 1-2, 4-9, 1991; Indefinite stage-discharge relationship June 14, 1991. Record good to fair except for the winter period and period of indefinite stage-discharge relationship, which is poor. Station maintained by U.S.B.R. Records developed by Scott D. Brinton.

RATING TABLE.--NAVOSOCO03 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	75	44	34	26	49	54	89	71	55	69	53
2	35	83	44	36	28	45	43	90	59	55	128	50
3	35	82	40	36	27	44	38	89	59	56	170	47
4	36	76	41	36	30	48	59	90	59	55	162	46
5	37	74	42	38	32	65	48	91	58	55	217	59
6	37	71	41	40	34	62	44	90	59	55	184	135
7	37	70	41	42	36	56	41	90	59	55	184	146
8	38	62	42	42	38	51	41	89	58	55	132	100
9	37	50	43	40	40	51	42	89	59	56	116	77
10	37	43	45	38	43	54	28	89	59	55	112	74
11	37	42	45	34	44	53	27	89	58	55	105	97
12	38	42	47	32	45	55	40	89	58	57	97	145
13	39	42	49	32	44	63	40	89	110	55	94	83
14	38	42	42	34	44	70	39	91	200	55	92	127
15	38	42	40	36	45	64	39	91	103	55	90	105
16	38	41	38	34	48	76	39	90	56	57	84	92
17	39	41	38	36	48	52	38	89	57	59	78	84
18	38	41	38	34	44	49	38	90	56	59	75	78
19	38	41	38	32	41	66	40	91	56	61	85	73
20	38	41	36	30	42	62	38	91	57	63	74	69
21	38	41	34	28	46	60	39	91	57	63	65	67
22	38	41	32	26	49	55	39	91	57	61	58	62
23	38	41	26	24	50	55	39	91	59	59	58	59
24	38	41	22	24	49	59	39	90	57	59	58	57
25	38	41	28	26	48	66	39	90	56	60	57	56
26	38	41	30	26	47	60	39	90	56	59	57	54
27	38	41	32	26	47	44	40	89	56	68	57	51
28	38	44	34	26	50	42	40	88	56	73	58	50
29	59	42	36	26	---	40	39	91	56	73	58	51
30	78	43	34	28	---	39	54	90	56	69	54	49
31	74	---	34	26	---	52	---	90	---	68	55	---
TOTAL	1273	1517	1176	1002	1165	1707	1223	2787	1977	1840	2983	2296
MEAN	41.1	50.6	37.9	32.3	41.6	55.1	40.8	89.9	65.9	59.4	96.2	76.5
AC-FT	2520	3010	2330	1990	2310	3390	2430	5530	3920	3650	5920	4550
MAX	78	83	49	42	50	76	59	91	200	73	217	146
MIN	35	41	22	24	26	39	27	88	56	55	54	46
CAL YR 1990 TOTAL		17459	MEAN	47.8	MAX	339	MIN	14	AC-FT	34630		
WTR YR 1991 TOTAL		20946	MEAN	57.4	MAX	217	MIN	22	AC-FT	41550		
MAX DISCH		490 CFS	AT 0500	14-JUN-1991	GH	3.82 FT.	SHIFT	-0.02 FT.	MAX GH	3.82 FT.	AT 0500	
14-JUN-1991												

SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 28-30; Dec. 2-8,15,19-28,30-31; Jan. 1-31,; Feb. 1-28; Mar. 1-13,17-19,22-23,28-31. Records good to fair except for estimated daily discharges which are poor. Diversions for irrigation of up to 80 acres upstream of gage. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--FLOALECO03 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	48	27	14	10	12	16	64	263	82	56	58
2	235	47	24	16	10	12	20	77	218	74	63	59
3	207	47	22	16	10	12	23	79	184	67	81	47
4	158	43	20	16	12	12	28	85	164	64	91	49
5	133	43	22	18	12	14	43	91	183	62	82	123
6	116	42	22	16	12	16	62	129	229	55	102	431
7	109	41	20	16	12	14	77	151	276	51	85	547
8	114	38	20	14	12	14	80	250	342	61	71	378
9	105	38	21	14	12	14	77	318	334	87	63	223
10	100	37	21	14	12	14	79	299	297	65	75	272
11	91	38	21	12	12	12	76	294	292	59	96	326
12	83	38	20	12	12	12	68	294	306	55	120	297
13	77	38	20	12	12	12	59	352	300	50	102	232
14	71	39	20	14	14	13	55	390	331	53	84	178
15	66	39	20	12	14	13	53	340	289	51	73	142
16	62	40	20	14	14	13	54	255	270	56	63	121
17	57	39	19	12	16	13	64	300	281	58	56	104
18	52	38	20	12	14	13	81	411	261	57	61	91
19	57	37	20	12	12	13	92	425	226	56	68	82
20	58	36	18	10	12	13	101	379	208	49	54	76
21	52	32	12	10	12	13	131	365	202	62	48	70
22	53	31	10	10	12	13	134	320	179	61	44	64
23	53	32	9.0	10	12	14	112	283	156	68	43	59
24	52	31	10	10	12	14	97	243	137	76	52	54
25	52	30	12	10	12	14	92	249	121	65	57	51
26	53	29	12	10	10	14	84	279	105	58	50	47
27	52	27	12	10	10	13	75	358	90	52	44	44
28	52	26	14	10	12	13	69	377	88	48	41	43
29	51	24	16	10	---	13	64	379	91	47	39	46
30	50	26	14	10	---	14	61	367	88	55	38	42
31	48	---	14	10	---	15	---	312	---	62	42	---
TOTAL	2685	1094	552.0	386	338	411	2127	8515	6511	1866	2044	4356
MEAN	86.6	36.5	17.8	12.5	12.1	13.3	70.9	275	217	60.2	65.9	145
AC-FT	5330	2170	1090	766	670	815	4220	16890	12910	3700	4050	8640
MAX	235	48	27	18	16	16	134	425	342	87	120	547
MIN	48	24	9.0	10	10	12	16	64	88	47	38	42
CAL YR 1990 TOTAL		27988.5	MEAN	76.7	MAX	710	MIN	2.5	AC-FT	55520		
WTR YR 1991 TOTAL		30885.0	MEAN	84.6	MAX	547	MIN	9.0	AC-FT	61260		
MAX DISCH		758 CFS AT 1500	07-SEP-1991	GH		3.43 FT.	SHIFT		0.03 FT.	MAX GH		3.43 FT. AT 1500
07-SEP-1991												

SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO
 FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with satellite telemetry and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Diversions for irrigation of up to 80 acres upstream of gage. Flow regulated by Lemon Reservoir, capacity 40,100 acre-feet. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	12	12	12	12	10	13	13	257	194	170	181
2	42	12	12	12	12	10	13	13	258	208	176	180
3	40	13	12	12	12	12	13	13	248	214	199	180
4	40	13	12	12	12	12	13	13	244	205	199	180
5	39	13	12	9.0	12	11	13	13	232	201	194	173
6	44	12	12	6.6	11	11	13	13	221	201	177	155
7	44	13	12	7.9	12	12	13	41	222	200	172	123
8	28	13	12	12	12	12	13	87	299	208	159	108
9	12	13	12	12	12	12	13	99	424	224	159	108
10	13	13	12	12	12	12	13	125	302	219	170	100
11	13	12	13	12	12	11	13	138	289	206	183	78
12	13	12	13	12	12	12	13	139	306	205	182	72
13	13	12	13	12	12	12	13	139	335	207	182	72
14	13	22	13	12	12	12	13	151	432	206	182	72
15	13	51	12	12	12	12	13	169	311	206	182	72
16	13	51	13	12	12	12	13	186	250	206	191	72
17	13	52	13	12	12	12	13	190	265	206	216	72
18	13	52	13	12	12	12	13	195	286	206	220	72
19	13	52	13	12	12	12	13	214	221	206	219	72
20	13	52	13	12	12	12	13	214	208	209	219	73
21	13	52	13	12	12	12	13	215	200	231	204	72
22	13	29	12	12	12	12	8.5	211	201	231	196	72
23	13	12	12	12	12	12	13	213	202	230	195	80
24	13	12	12	12	12	12	9.3	217	189	230	190	83
25	13	12	12	12	12	13	12	222	182	223	182	96
26	13	12	12	12	12	13	13	228	164	211	181	103
27	13	13	12	12	12	13	13	228	158	194	180	108
28	13	12	12	12	12	13	13	372	175	194	182	112
29	13	12	12	12	---	13	13	368	177	194	182	120
30	13	12	12	12	---	13	13	337	194	191	182	134
31	12	---	12	12	---	13	---	305	---	170	182	---
TOTAL	620	673	382	359.5	335	372	380.8	5081	7452	6436	5807	3195
MEAN	20.0	22.4	12.3	11.6	12.0	12.0	12.7	164	248	208	187	107
AC-FT	1230	1330	758	713	664	738	755	10080	14780	12770	11520	6340
MAX	46	52	13	12	12	13	13	372	432	231	220	181
MIN	12	12	12	6.6	11	10	8.5	13	158	170	159	72
CAL YR 1990 TOTAL	24840.9		MEAN	68.1	MAX	237	MIN	2.2	AC-FT	49270		
WTR YR 1991 TOTAL	31093.3		MEAN	85.2	MAX	432	MIN	6.6	AC-FT	61670		
MAX DISCH	532 CFS AT 0730		14-JUN-1991	GH	4.08 FT.		SHIFT	-0.03 FT.		MAX GH	4.08 FT. AT 0730	
14-JUN-1991												

SAN JUAN RIVER BASIN
09357500 ANIMAS RIVER AT HOWARDSVILLE, CO

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

REMARKS.--Estimated daily discharge: Nov. 1, 20-30; Dec. 1-11, 15-27, 30-31; Jan. 1-3, 7, 9-12, 15-20, 22-28, 30-31; Feb. 1-7, 9-12, 18-22, 25-27; Mar. 6-9, 12-13, 19, 26-31; Apr. 9, 13-14. Records good to fair except for estimated daily discharges which are poor. Diversions for Mineral Point transmountain diversion upstream of gage. Station maintained and records developed by David A. Nelson and Scott D. Brinton.

RATING TABLE.--ANIHOWCO07 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	52	38	22	20	16	17	49	451	297	69	52
2	104	59	32	22	19	15	17	52	370	276	67	55
3	97	55	30	22	19	15	20	51	272	255	69	50
4	91	46	26	22	19	15	26	51	241	234	70	52
5	89	43	28	22	19	16	38	51	365	224	67	69
6	89	44	28	22	19	16	54	58	465	211	84	88
7	99	44	26	22	18	16	60	69	523	189	79	135
8	95	39	26	22	18	16	54	113	605	207	69	157
9	86	40	26	22	18	16	44	199	610	230	64	123
10	84	40	26	22	18	16	42	228	540	184	65	135
11	84	46	26	22	18	16	36	214	575	173	64	140
12	80	47	25	22	17	16	31	202	595	158	61	137
13	76	50	25	22	17	16	31	264	535	150	59	137
14	72	52	25	21	17	16	30	314	505	142	56	132
15	70	52	25	21	17	15	30	288	445	130	62	121
16	67	52	24	21	17	15	30	283	505	123	59	110
17	61	52	24	21	17	15	40	314	575	119	55	99
18	56	51	24	21	17	15	52	432	535	137	56	91
19	62	49	24	21	17	16	54	470	460	119	65	86
20	61	48	24	21	17	16	67	486	475	116	58	79
21	50	46	24	21	17	16	80	392	480	123	54	72
22	56	46	24	21	17	16	80	311	440	126	51	65
23	59	46	24	21	16	16	75	304	401	119	51	59
24	65	46	24	21	16	16	69	279	359	110	51	55
25	65	44	24	21	16	16	76	276	322	101	52	52
26	65	42	23	21	16	16	72	341	269	97	56	51
27	67	40	23	21	16	16	62	438	245	88	55	47
28	66	38	22	20	16	16	55	475	322	82	54	46
29	65	36	22	20	---	16	51	490	329	77	54	46
30	64	38	22	20	---	16	49	520	322	72	51	45
31	61	---	22	20	---	16	---	480	---	70	50	---
TOTAL	2295	1383	786	660	488	489	1442	8494	13136	4739	1877	2586
MEAN	74.0	46.1	25.4	21.3	17.4	15.8	48.1	274	438	153	60.5	86.2
AC-FT	4550	2740	1560	1310	968	970	2860	16850	26060	9400	3720	5130
MAX	104	59	38	22	20	16	80	520	610	297	84	157
MIN	50	36	22	20	16	15	17	49	241	70	50	45
CAL YR 1990 TOTAL		30658	MEAN	84.0	MAX	715	MIN	11	AC-FT	60810		
WTR YR 1991 TOTAL		38375	MEAN	105	MAX	610	MIN	15	AC-FT	76120		
MAX DISCH		860 CFS	AT 1945	08-JUN-1991	GH	3.38	FT.	SHIFT	-0.08	FT.	MAX	GH
08-JUN-1991											3.38	FT.

SAN JUAN RIVER BASIN

09365500 LA PLATA RIVER AT HESPERUS, CO

LOCATION.--Lat 37°17'23", long 108°02'24", in NE¼SW¼ sec.14, T.35 N., R.11 W., La Plata County, Hydrologic Unit 14080105, on right bank at Hesperus 700 ft downstream from U.S. Highway 160.

DRAINAGE AREA.--37 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,104.71 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--La Plata River and Cherry Creek ditch and Pine Ridge ditch export water upstream from station for irrigation of up to 2000 acres in the Cherry Creek drainage and 300 acres in the Lightner and Basin Creek drainages. Record is complete and reliable except for the following periods: Float frozen in ice Dec. 24-31, 1990; Jan. 1-4, 16-22, 29 and 30; Mar. 18-22, 1991. Stage-discharge relationship ice affected Nov. 22, 27-30; Dec. 1-11, and 14-30, 1990; Jan. 5-15, 23-28, and 31; Feb. 1-15, 18-22, and 24-27; Mar. 1-4, 7-9, 12-13, 17, 23, and 28-31, 1991. Record good to fair except for the winter period and period of no gage-height record, which is poor. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--LAPHESCO31 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	27	13	10	8.0	7.0	12	12	40	83	32	17	13		
2	39	14	10	8.0	7.0	12	15	52	64	31	14	12		
3	43	14	9.0	9.0	7.0	12	17	54	42	34	16	11		
4	39	12	8.5	10	7.0	11	23	60	36	35	19	12		
5	33	11	8.5	9.0	7.0	15	38	61	46	32	16	28		
6	25	11	8.5	8.0	7.5	14	103	81	67	30	16	143		
7	22	12	8.5	8.0	7.5	12	165	97	84	28	15	187		
8	26	9.7	8.5	7.0	7.5	11	136	167	103	31	14	148		
9	22	10	9.0	7.0	7.5	11	114	200	105	41	15	86		
10	20	12	9.0	7.0	7.0	12	122	152	98	37	15	94		
11	20	13	9.0	6.5	7.0	12	112	170	101	29	16	103		
12	18	13	8.9	6.5	6.5	10	90	160	90	34	19	101		
13	17	14	9.0	6.5	7.0	11	73	173	87	37	15	89		
14	16	14	9.0	7.0	6.5	13	63	184	103	31	16	74		
15	14	15	8.5	6.5	7.0	12	61	167	98	30	15	60		
16	13	15	9.0	7.0	8.2	12	62	125	88	28	14	51		
17	12	15	9.0	6.5	8.3	11	76	149	81	27	13	45		
18	12	15	9.0	6.5	7.0	12	95	201	72	54	16	39		
19	15	15	9.0	6.5	7.0	13	103	216	62	50	31	35		
20	17	16	9.0	6.5	7.5	12	112	193	52	39	16	33		
21	12	14	8.0	6.0	8.0	11	143	185	51	38	14	30		
22	13	12	7.0	6.0	8.5	11	139	155	45	34	14	28		
23	14	12	5.0	6.0	9.3	11	116	143	39	33	15	25		
24	14	12	6.0	6.0	9.0	11	95	131	36	30	15	23		
25	15	12	6.5	6.0	8.5	11	89	135	38	28	14	21		
26	15	13	7.0	6.0	8.0	12	81	152	35	26	15	19		
27	15	12	7.0	6.0	9.0	13	67	166	31	23	13	20		
28	14	10	8.0	6.5	11	12	57	155	32	21	13	19		
29	13	10	9.0	7.0	---	12	50	136	35	17	13	18		
30	13	11	7.0	6.0	---	11	44	125	35	14	12	18		
31	13	---	7.5	6.5	---	11	---	102	---	14	12	---		
TOTAL	601	381.7	256.9	215.0	215.3	366	2473	4287	1939	968	478	1585		
MEAN	19.4	12.7	8.29	6.94	7.69	11.8	82.4	138	64.6	31.2	15.4	52.8		
AC-FT	1190	757	510	426	427	726	4910	8500	3850	1920	948	3140		
MAX	43	16	10	10	11	15	165	216	105	54	31	187		
MIN	12	9.7	5.0	6.0	6.5	10	12	40	31	14	12	11		
CAL YR 1990 TOTAL		8755.6	MEAN	24.0	MAX	168	MIN	2.0	AC-FT	17370				
WTR YR 1991 TOTAL		13765.9	MEAN	37.7	MAX	216	MIN	5.0	AC-FT	27300				
MAX DISCH		275 CFS	AT 2315	18-MAY-1991	GH	3.13	FT.	SHIFT	0.00	FT.	MAX GH	3.15	FT.	AT 2330
08-MAY-1991														

SAN JUAN RIVER BASIN
CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°07'03", long 108°11'53", in NW¼SW¼ sec. 7, T.33 N., R.12 W., La Plata County.

DRAINAGE AREA.--66 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Dec. 27-31; Jan. 1-31,; Feb. 1-22; Mar. 7-8. Records good to fair except for estimated daily discharges which are poor. Diversions for irrigation of up to 380 acres upstream of gage and for 2100 acres of irrigation with water imported from the La Plata River via the La Plata River and Cherry Creek ditch. Station maintained and records developed by J. Russell Kennedy and Scott D. Brinton.

RATING TABLE.--CHEREDCO02 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.21	0.92	0.62	0.0	0.0	2.8	17	18	3.8	6.0	0.84	0.0
2	0.22	1.5	1.2	0.0	0.0	1.9	25	21	3.9	4.5	0.90	0.0
3	0.43	2.6	0.87	0.0	0.0	3.4	25	23	4.5	3.6	0.60	0.0
4	1.2	2.1	0.93	0.0	0.0	2.9	24	24	6.7	3.2	3.2	0.41
5	0.75	2.0	0.61	0.0	0.0	3.8	43	21	5.3	2.3	1.7	0.01
6	2.1	1.4	0.87	0.0	0.0	7.4	50	22	5.9	1.7	0.75	0.75
7	2.3	1.6	1.1	0.0	0.50	6.0	31	24	6.2	1.8	0.50	5.8
8	2.9	1.9	0.37	0.0	0.50	5.0	33	26	6.2	2.0	0.27	5.7
9	3.3	1.7	0.89	0.0	1.0	3.7	21	33	7.0	3.4	0.24	3.2
10	2.8	1.3	0.42	0.0	1.0	3.7	23	29	7.2	5.1	0.09	28
11	2.6	1.1	0.13	0.0	1.0	2.8	21	26	7.1	3.5	0.02	14
12	2.2	1.1	0.04	0.0	1.5	2.1	13	25	9.7	3.0	0.02	18
13	2.2	1.0	0.01	0.0	1.5	3.4	9.7	25	10	3.4	0.12	8.2
14	2.1	0.94	0.0	0.0	2.0	9.1	17	24	13	2.8	0.04	6.0
15	1.8	0.94	0.0	0.0	2.0	6.3	17	23	17	2.4	0.00	5.0
16	1.7	0.98	0.0	0.0	2.0	4.3	16	20	10	2.3	0.0	4.3
17	1.6	0.98	0.0	0.0	2.5	2.9	16	16	8.0	2.5	0.0	3.9
18	2.9	1.0	0.0	0.0	2.5	3.0	19	14	10	1.8	0.0	2.7
19	2.2	0.95	0.0	0.0	2.5	4.5	27	11	15	1.2	0.0	2.1
20	2.4	0.90	0.0	0.0	3.0	5.6	30	11	15	1.3	0.0	1.8
21	2.8	1.1	0.0	0.0	3.0	4.5	31	17	13	2.9	0.0	1.4
22	2.6	0.97	0.0	0.0	3.5	3.7	48	16	13	2.1	0.0	1.1
23	2.5	0.85	0.0	0.0	3.8	2.8	49	12	13	1.3	0.0	0.94
24	1.9	0.68	0.0	0.0	3.8	3.6	39	9.1	12	1.2	0.0	0.88
25	1.3	0.64	0.0	0.0	4.1	6.9	35	6.3	11	1.5	0.0	0.64
26	0.88	0.69	0.0	0.0	4.6	6.4	33	5.1	7.8	1.6	0.0	0.33
27	0.71	1.1	0.0	0.0	4.8	4.7	28	3.7	7.1	1.0	0.0	0.40
28	0.72	1.0	0.0	0.0	3.5	5.1	24	3.8	8.1	0.63	0.0	0.23
29	0.84	0.74	0.0	0.0	---	5.4	23	3.9	6.6	0.50	0.0	0.17
30	0.90	0.89	0.0	0.0	---	4.9	21	2.8	7.5	0.36	0.0	0.29
31	0.91	---	0.0	0.0	---	6.9	---	2.9	---	0.42	0.0	---

TOTAL	53.98	35.58	8.06	0.0	54.60	139.5	808.7	518.6	270.6	71.32	9.28	116.24
MEAN	1.74	1.19	0.26	0.0	1.95	4.50	27.0	16.7	9.02	2.30	0.30	3.87
AC-FT	107	71	16	0.0	108	277	1600	1030	537	141	18	231
MAX	3.3	2.6	1.2	0.0	4.8	9.1	50	33	17	6.0	3.2	28
MIN	0.21	0.64	0.0	0.0	0.0	1.9	9.7	2.8	3.8	0.36	0.0	0.0

CAL YR 1990 TOTAL 707.41 MEAN 1.94 MAX 27 MIN 0.00 AC-FT 1400
WTR YR 1991 TOTAL 2086.46 MEAN 5.72 MAX 50 MIN 0.00 AC-FT 4140

MAX DISCH 335 CFS AT 1745 10-SEP-1991 GH 3.54 FT. SHIFT 0.05 FT. MAX GH 3.54 FT. AT 1745
10-SEP-1991

SAN JUAN RIVER BASIN

LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°03'02", long 108°10'23", in SE¼SW¼ sec. 32, T.33 N., R.12 W., La Plata County.

DRAINAGE AREA.-- 46.5 mi².

GAGE.--Water-stage recorder with satellite telemetry and a three foot parshall flume. Datum of gauge is 6,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 29-30; Dec. 3-10, 15, 18-24; Jan. 23-26, 30-31; Feb. 1. Records good except for estimated daily discharges which are poor. Diversions for irrigation of up to 85 acres upstream of gage. Station maintained and records developed by J. Russell Kennedy and Scott D. Brinton.

RATING TABLE.--LONREDCO01 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	5.2	5.8	5.7	5.8	7.1	10	5.6	4.7	2.5	2.6	1.9
2	5.7	6.9	5.4	5.7	5.9	7.8	9.2	5.5	5.1	2.4	2.7	1.9
3	6.2	6.1	5.4	5.8	6.0	7.3	8.6	5.3	6.4	2.3	2.7	1.9
4	5.0	5.5	5.4	7.2	6.2	7.3	7.1	5.4	4.9	2.3	2.8	2.1
5	4.9	5.5	5.4	7.4	6.2	7.7	9.0	5.3	4.7	2.1	2.7	2.9
6	4.8	5.5	5.4	6.8	6.5	8.3	11	5.3	4.7	2.1	2.8	3.5
7	4.8	6.0	5.4	6.5	7.0	7.3	9.0	5.3	4.6	2.1	2.7	3.4
8	4.9	6.1	5.4	6.1	6.5	6.7	7.1	5.2	4.2	2.2	2.7	5.7
9	4.8	5.9	5.6	6.0	6.8	6.6	6.1	5.2	4.0	2.4	2.6	3.2
10	4.9	5.7	5.6	5.8	7.4	6.6	5.3	5.2	4.4	2.5	2.7	8.4
11	4.9	5.6	5.7	5.6	7.8	6.4	5.2	4.6	4.6	2.5	2.7	9.0
12	4.8	5.5	5.5	5.5	7.1	6.1	5.8	4.4	4.4	2.4	2.8	5.0
13	4.9	5.6	5.7	5.5	8.4	6.2	7.3	4.5	4.3	2.4	2.7	4.3
14	4.9	5.6	5.7	5.6	7.3	6.7	6.4	4.5	4.3	3.8	2.6	3.9
15	4.8	5.6	5.4	5.5	7.1	7.0	5.1	5.3	4.1	2.7	2.6	3.7
16	4.8	5.6	5.7	5.5	7.7	7.2	4.8	5.2	3.7	2.3	2.5	3.6
17	4.7	5.6	5.7	5.4	8.1	6.9	4.5	4.9	3.5	2.3	2.5	3.7
18	4.8	5.6	5.6	5.4	6.8	6.6	4.7	4.7	3.4	2.4	2.5	3.6
19	5.1	5.6	5.6	5.5	6.3	6.9	5.3	4.6	3.7	2.3	2.6	3.8
20	8.0	5.6	5.4	5.5	6.3	6.9	7.1	4.7	3.6	2.3	2.5	3.8
21	6.0	5.6	4.8	5.7	6.3	7.1	7.6	5.0	3.4	2.3	2.5	3.8
22	5.4	5.5	4.4	5.3	6.2	7.0	9.0	5.1	3.2	2.3	2.4	3.8
23	5.2	5.5	4.2	5.2	6.3	6.5	9.1	4.7	3.1	2.2	2.3	3.8
24	5.2	5.5	4.0	5.2	6.1	6.7	8.3	4.8	3.0	2.4	2.3	3.8
25	5.1	5.5	4.2	5.2	5.9	7.3	6.5	4.7	3.0	2.6	2.4	3.8
26	5.1	5.7	4.9	5.4	5.8	7.3	6.4	4.6	2.9	2.5	2.3	3.9
27	5.1	6.2	5.0	5.5	5.8	7.3	6.2	4.7	3.0	2.4	2.0	3.8
28	5.1	5.4	5.3	5.7	6.3	7.2	6.1	4.4	2.9	2.4	2.0	3.8
29	5.0	5.4	6.0	5.7	---	7.2	5.8	4.4	2.8	2.5	2.1	3.8
30	5.1	5.4	5.9	5.6	---	7.4	5.7	4.4	2.7	2.4	2.0	3.9
31	5.1	---	5.7	5.6	---	8.2	---	4.3	---	2.5	1.9	---
TOTAL	160.5	170.0	165.2	178.1	185.9	218.8	209.3	151.8	117.3	74.8	77.2	117.5
MEAN	5.18	5.67	5.33	5.75	6.64	7.06	6.98	4.90	3.91	2.41	2.49	3.92
AC-FT	318	337	328	353	369	434	415	301	233	148	153	233
MAX	8.0	6.9	6.0	7.4	8.4	8.3	11	5.6	6.4	3.8	2.8	9.0
MIN	4.7	5.2	4.0	5.2	5.8	6.1	4.5	4.3	2.7	2.1	1.9	1.9
CAL YR 1990 TOTAL	2252.3		MEAN	6.17	MAX	11	MIN	2.8	AC-FT	4470		
WTR YR 1991 TOTAL	1826.4		MEAN	5.00	MAX	11	MIN	1.9	AC-FT	3620		
MAX DISCH	64 CFS AT 1845		10-SEP-1991 GH			2.40 FT. SHIFT		0.00 FT. MAX GH		2.40 FT. AT 1845		
10-SEP-1991												

SAN JUAN RIVER BASIN

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

LOCATION.--Lat 36°59'59", long 108°11'17", in NW¼SE¼ sec.10, T.32 N., R.13 W., La Plata County, CO, Hydrologic Unit 14080105, on right bank at Colorado-New Mexico State line, 0.5 mi downstream of Johnny Pond Arroyo, and 4.9 mi north of La Plata, NM.

DRAINAGE AREA.--331 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,975.15 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Diversions upstream from station for irrigation of about 10,000 acres. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Nov. 28-30; Dec. 1-13, 15-31, 1990; Jan. 1-31; Feb. 1-14, 1991. Record fair to good except for the winter period which is poor. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--LAPMEXCO25 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	6.2	4.5	4.0	8.0	18	27	22	66	18	3.4	0.99
2	9.0	9.7	4.0	4.5	8.0	18	35	22	61	12	3.5	1.0
3	6.6	9.3	4.0	5.0	9.0	18	39	28	53	12	2.9	0.94
4	17	7.9	4.5	5.5	9.0	18	36	28	39	15	5.2	1.2
5	21	7.3	4.5	6.0	9.0	19	48	24	31	15	3.4	2.6
6	20	7.2	4.0	6.0	10	23	68	24	37	11	3.2	4.7
7	16	8.4	4.5	5.0	12	20	144	34	45	8.8	2.8	34
8	18	8.5	5.0	4.5	12	19	143	53	48	7.8	1.9	66
9	15	7.3	5.0	4.5	12	17	104	78	49	14	1.2	43
10	13	5.8	5.0	4.5	13	16	78	51	55	23	1.5	95
11	11	5.3	5.5	4.0	14	14	61	84	80	15	2.3	134
12	10	5.2	6.0	3.5	14	13	39	80	68	8.6	2.6	106
13	9.7	4.0	5.0	3.5	15	13	30	88	70	14	2.5	58
14	11	3.8	4.1	4.5	16	18	26	82	70	14	2.1	41
15	8.9	3.9	3.5	4.0	17	20	26	68	71	11	2.0	38
16	9.1	3.2	3.5	4.5	19	18	24	67	45	9.4	1.8	28
17	8.6	3.4	3.5	4.0	25	16	25	62	47	7.3	1.7	25
18	9.7	3.7	3.0	4.0	21	14	32	65	47	11	1.8	19
19	10	3.8	3.5	4.0	18	15	37	73	54	22	2.6	14
20	16	3.3	3.5	3.0	17	17	39	93	42	14	1.8	14
21	10	3.1	2.0	2.5	16	17	45	101	37	16	1.5	15
22	8.6	3.0	1.5	2.5	16	16	52	77	33	13	1.4	14
23	8.2	3.2	1.0	3.0	16	14	46	68	29	12	1.4	12
24	6.8	3.4	1.5	3.0	15	14	38	76	27	32	1.5	9.9
25	5.9	3.7	2.0	3.0	14	17	36	73	27	15	1.4	8.1
26	6.4	3.6	2.0	3.0	13	18	49	75	26	14	1.2	5.9
27	6.2	3.8	2.0	3.0	13	17	47	77	19	9.6	1.2	4.5
28	6.1	3.5	3.0	3.0	16	17	37	77	20	5.4	1.2	4.2
29	6.1	3.5	3.5	3.5	---	18	31	66	19	5.0	1.4	4.9
30	6.0	4.0	2.5	3.5	---	18	26	76	20	4.1	1.1	5.2
31	6.0	---	3.0	6.0	---	19	---	71	---	3.0	0.98	---
TOTAL	321.4	152.0	110.1	124.5	397.0	529	1468	1963	1335	392.0	64.48	810.13
MEAN	10.4	5.07	3.55	4.02	14.2	17.1	48.9	63.3	44.5	12.6	2.08	27.0
AC-FT	637	301	218	247	787	1050	2910	3890	2650	778	128	1610
MAX	21	9.7	6.0	6.0	25	23	144	101	80	32	5.2	134
MIN	5.5	3.0	1.0	2.5	8.0	13	24	22	19	3.0	0.98	0.94

CAL YR 1990 TOTAL 4989.45 MEAN 13.7 MAX 135 MIN 0.78 AC-FT 9900
WTR YR 1991 TOTAL 7666.62 MEAN 21.0 MAX 144 MIN 0.94 AC-FT 15210

MAX DISCH 735 CFS AT 1630 02-FEB-1991 GH 5.79 FT. SHIFT 0.02 FT. MAX GH 5.79 FT. AT 1630
02-FEB-1991

SAN JUAN RIVER BASIN
MANCOS RIVER NEAR MANCOS, CO

LOCATION.--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., Montezuma County.

DRAINAGE AREA.--72.6 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 22, 25-28, 30; Dec. 1-31; Jan. 1-31,; Feb. 1-28; Mar. 1-13. Records good to fair except for estimated daily discharges which are poor. Diversions for irrigation of up to 4010 acres upstream of gage and for Jackson Gulch Reservoir, capacity of 9948 acre-feet. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--MANMANCO07 USED FROM 01-OCT-1990 TO 30-SEP-1991

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	10	4.9	5.0	5.0	7.0	12	21	11	9.6	12	5.2	5.5		
2	20	5.5	5.0	5.0	7.0	8.0	35	19	5.5	12	7.4	5.4		
3	18	5.3	5.0	6.0	7.0	8.0	47	17	5.3	11	8.1	4.1		
4	15	4.2	4.0	7.0	7.0	8.0	57	15	5.6	11	8.1	4.4		
5	12	3.9	4.0	6.0	7.0	10	66	11	5.4	7.1	6.9	9.3		
6	11	3.2	4.0	6.0	8.0	9.0	85	20	9.0	4.4	9.1	3.0		
7	11	3.0	4.0	6.0	8.0	8.0	92	23	14	4.3	10	4.3		
8	13	2.2	4.0	5.0	8.0	8.0	71	56	19	8.3	9.0	2.3		
9	8.1	2.6	5.0	5.0	8.0	8.0	63	84	21	10	7.5	6.7		
10	7.2	2.9	5.0	5.0	7.0	8.0	66	90	6.3	11	6.6	8.1		
11	9.3	3.0	5.0	5.0	7.0	8.0	57	110	8.7	9.7	7.2	1.6		
12	19	2.9	5.0	5.0	7.0	7.0	40	90	11	11	8.2	2.1		
13	18	2.7	5.0	5.0	7.0	7.0	35	85	14	14	8.1	1.6		
14	17	2.4	5.0	6.0	7.0	8.4	31	125	18	14	7.7	1.3		
15	16	2.5	5.0	6.0	7.0	8.0	26	142	18	15	7.3	1.2		
16	15	2.5	5.0	6.0	8.0	6.4	34	86	12	17	5.3	9.6		
17	14	2.8	5.0	6.0	8.0	7.4	55	98	11	17	3.6	6.7		
18	13	2.8	5.0	6.0	7.0	8.0	70	150	14	20	3.5	4.2		
19	15	2.8	5.0	6.0	7.0	8.0	73	170	11	18	7.9	3.0		
20	20	4.5	5.0	6.0	7.0	7.7	80	179	6.4	16	8.7	3.7		
21	14	3.9	5.0	6.0	8.0	7.4	89	172	8.7	16	9.0	5.3		
22	14	1.5	4.0	6.0	9.0	7.4	75	116	5.4	15	9.2	6.4		
23	13	1.8	3.0	6.0	10	8.0	56	88	4.7	15	8.4	6.0		
24	12	6.2	4.0	6.0	9.0	9.8	41	51	4.7	17	7.7	5.9		
25	11	6.0	4.0	6.0	8.0	11	39	44	9.2	17	7.7	6.7		
26	11	6.0	5.0	6.0	9.0	9.8	32	47	9.3	18	7.5	4.3		
27	11	5.0	5.0	6.0	10	8.7	23	62	9.9	16	7.7	1.9		
28	10	4.5	6.0	7.0	11	10	21	55	11	15	7.8	1.7		
29	9.8	4.9	7.0	8.0	---	9.6	15	35	11	15	7.5	1.4		
30	9.7	5.0	5.0	7.0	---	11	11	34	11	7.8	6.4	1.9		
31	10	---	5.0	7.0	---	12	---	22	---	2.6	5.5	---		
TOTAL	407.1	111.4	148.0	184.0	220.0	267.6	1506	2307	309.7	397.2	229.8	286.2		
MEAN	13.1	3.71	4.77	5.94	7.86	8.63	50.2	74.4	10.3	12.8	7.41	9.54		
AC-FT	807	221	294	365	436	531	2990	4580	614	788	456	568		
MAX	20	6.2	7.0	8.0	11	12	92	179	21	20	10	4.3		
MIN	7.2	1.5	3.0	5.0	7.0	6.4	11	11	4.7	2.6	3.5	1.4		
CAL YR 1990 TOTAL			N/A	MEAN		N/A	MAX		N/A	AC-FT		N/A		
WTR YR 1991 TOTAL		6374.0	MEAN		17.5	MAX	179	MIN	1.4	AC-FT	12640			
MAX DISCH		221 CFS	AT	2315	18-MAY-1991	GH	2.14 FT.	SHIFT	0.00 FT.	MAX	GH	2.14 FT.	AT	2315
18-MAY-1991														

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ARKANSAS RIVER AT PORTLAND, CO. 70

ARKANSAS RIVER AT SALIDA, CO. 66

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ARKANSAS RIVER NEAR WELLSVILLE, CO. 67

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DEADMAN DITCH NEAR DEADMAN PARK, CO. 58

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SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR, CO	2
SOUTH PLATTE RIVER AT BALZAC, CO	40
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1991 Water Year Stream Flow Data
on PC Compatible Diskettes

Mean daily flow values for gaging stations are available on a DOS compatible diskette with this report. Each station's data are in a file named by an eight-character station identification code, followed by the filename extension "H91." A list of the eight character codes follows. For example, the values for "Eureka Ditch" are in the file "EURDITCO.H91."

The files contain ASCII text information. There are two columns. The 1st column is the number of the day of the water year, and the second is that day's mean flow. October 1, 1990 is day number 1. September 31, 1991 is day 365.

Station Identification Codes
for Data on Diskette

DIV I

CODE	NAME
ADATUNCO	ALVA B. ADAMS TUNNEL AT EAST PORTAL, NEAR ESTES PARK
APGTUNCO	AUGUST P. GUMBLICK TUNNEL NEAR JONES PASS, CO.
BCRMORCO	BEAR CREEK AT MORRISON, COLORADO
BCRSHECO	BEAR CREEK AT SHERIDAN, COLORADO
BERDITCO	BERTHOUD PASS DITCH AT BERTHOUD PASS, CO
BIGLASCO	BIG THOMPSON AT MOUTH, NEAR LA SALLE, CO, WELD COUNT
BOCBGRCO	SOUTH BOULDER CREEK BELOW GROSS RESERVOIR, BOULDER C
BOCELSCO	SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, COLORADO
BOCMIDCO	MIDDLE BOULDER CREEK AT NEDERLAND, CO.
BOCOROCO	BOULDER CREEK NEAR ORODELL, CO, BOULDER COUNTY
BORDITCO	BOREAS PASS DITCH AT BOREAS PASS, CO
BOSDELCO	BOULDER CREEK, SOUTH DIVERSION NR ELDORADO SPRINGS,
BTABESCO	BIG THOMPSON RIVER ABOVE LAKE ESTES
BTBLESCO	BIG THOMPSON RIVER BELOW LAKE ESTES
BTCANYCO	BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE, C
BTNFDRCO	NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO.
CAPDCPCO	CAMERON PASS DITCH NEAR CAMERON PASS, CO.
CLAFTCO	CACHE LA POUDE AT CANYON MOUTH, NEAR FORT COLLINS
CLAGRECO	CACHE LA POUDE NEAR GREELEY, COLORADO, WELD COUNTY
CLEDERCO	CLEAR CREEK AT DERBY, COLORADO
DEADDP	DEADMAN DITCH NEAR DEADMAN PARK, CO.
DILTUNCO	DILLE TUNNEL NEAR DRAKE, CO.
EURDITCO	EUREKA DITCH
FISHESCO	FISH CREEK NEAR ESTES PARK, CO.
GRNDRDCO	GRAND RIVER DITCH AT LA POUDE PASS
HFCBBSCO	CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHO
HFCPPLCO	CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMP
HFCWASCO	CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON
HLDBBRCO	HALE DITCH BELOW BONNY RESERVOIR NEAR HALE, CO
HSPTUNCO	HOOSIER PASS TUNNEL AT MONTGOMERY RES., NEAR ALMA, C
LAPTUNCO	LARAMIE POUDE TUNNEL
MICDCPCO	MICHIGAN DITCH AT CAMERON PASS, CO.
MOFTUNCO	MOFFAT WATER TUNNEL, GILPIN COUNTY, COLORADO
MUNCANCO	MUNROE CANAL
OLYTUNCO	OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES
PIOHDGCO	PIONEER DITCH AT HEADGATE
PIOSTLCO	PIONEER DITCH AT CO/NE STATE LINE
PLAANTCO	SOUTH PLATTE RIVE BELOW ANTERO RESERVOIR
PLABALCO	SOUTH PLATTE RIVER AT COOPER BRIDGE, NEAR BALZAC, CO
PLACHACO	SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR
PLACHECO	SO. PLATTE RIVER BL. CHEESMAN RESERVOIR, COLORADO
PLADENCO	SO. PLATTE RIVER AT DENVER, COLORADO
PLAGEOCO	SOUTH PLATTE RIVER BELOW LAKE GEORGE
PLAGRACO	NO. FORK SO. PLATTE RIVER AT GRANT, COLORADO
PLAHARCO	SOUTH PLATTE RIVER ABOVE ELEVENMILE RESERVOIR, NEAR
PLAHENCO	SOUTH PLATTE RIVER AT HENDERSON, CO.
PLAJUCCO	SOUTH PLATTE RIVER AT JULESBURG, COLORADO. COMBINED
PLAJULCO	SOUTH PLATTE RIVER AT JULESBURG, CO. LEFT CHAN. #4
PLAJURCO	SOUTH PLATTE RIVER AT JULESBURG, CO. RIGHT CHAN. #2
PLAKERCO	SOUTH PLATTE RIVER NEAR KERSEY, CO
PLALUPCO	SOUTH PLATTE RIVER AT FORT LUPTON
PLASPICO	SOUTH PLATTE RIVER ABOVE SPINNEY RESERVOIR
PLASPLCO	SO. PLATTE RIVER AT SO. PLATTE, COLORADO
PLASTRCO	S. PLATTE RIVER BELOW STRONTIA SPRINGS
PLAWATCO	SOUTH PLATTE RIVER AT WATERTON, CO.
PLAWELCO	SOUTH PLATTE RIVER NEAR WELDONA, CO.
ROBTUNCO	ROBERTS TUNNEL AT EAST PORTAL NEAR GRANT, CO

SKYDCLCO SKYLINE DITCH AT CHAMBERS LAKE, CO.
 SVCLYOCO SAINT VRAIN CREEK AT LYONS, BOULDER COUNTY, COLORADO
 SVCPLACO ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE, CO
 VIDTUNCO VIDLER TUNNEL NEAR ARGENTINE PASS, CO
 WSDEARCO WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO.

DIV II

CODE	NAME
ARXCACCO	ARKANSAS RIVER AND CATLIN CANAL COMBINED
ARXCANCO	ARKANSAS RIVER AT CANYON CITY, CO.
ARXCATCO	ARKANSAS RIVER AT CATLIN DAM NEAR FOWLER, CO.
ARXGRNCO	ARKANSAS RIVER AT GRANITE, CO.
ARXLAJCO	ARKANSAS RIVER AT LA JUNTA, CO.
ARXNEPCO	ARKANSAS RIVER NEAR NEPESTA, CO.
ARXPORCO	ARKANSAS RIVER AT PORTLAND, CO.
ARXPUECO	ARKANSAS RIVER ABOVE PUEBLO, CO.
ARXSALCO	ARKANSAS RIVER AT SALIDA, CO.
ARXWELCO	ARKANSAS RIVER NEAR WELLSVILLE, CO.
BOUTUNCO	CHARLES H. BOUSTEAD TUNNEL, COLORADO
BUSTUNCO	BUSK-IVANHOE TUNNEL, COLORADO
CATCANCO	CATLIN CANAL AT CATLIN DAM, NEAR FOWLER, COLORADO
CCACCRCO	CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO.
	COLDITCO COLUMBINE DITCH, COLORADO
	EWIDITCO EWING DITCH, COLORADO
	GRAWESCO GRAPE CREEK NEAR WESTCLIFFE, CO
	HOMTUNCO HOMESTAKE TUNNEL
LAKATLCO	LAKE CREEK ABOVE TWIN LAKES RESERVOIR, CO
LARDITCO	LARKSPUR DITCH AT MARSHALL PASS, COLORADO
NMCHIGCO	NINEMILE CANAL AT NINEMILE DAM NEAR HIGBEE, CO.
PURNICCO	PURGATOIRE R AT NINEMILE DAM, NR HIGBEE, CO-COMBINED
PURNINCO	PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, COLOR
	TWITUNCO TWIN LAKES TUNNEL, COLORADO
	WURDITCO WURTZ DITCH NEAR TENNESSEE PASS, CO
WUREXDCO	WURTZ EXTENSION DITCH NEAR TENNESSEE PASS, CO.

DIV III

CODE	NAME
ALABELCO	ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO.
ALATERCO	ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO CONEJOS CTY
	CARLAGCO CARNERO CREEK NEAR LA GARITA, CO.
	CBPALACO CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO
	CONLASCO COMBINED CONEJOS RIVER (NORLASCO SOULASCO)
	CONMOGCO CONEJOS RIVER NEAR MOGOTE, CO.
CONPLACO	CONEJOS RIVER BELOW PLATORO RESERVOIR, CO CONEJOS CO
	CULSANCO CULEBRA CREEK AT SAN LUIS, CO.
DLFCMBCO	DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO.
DLFDT1CO	DON LA FONT DITCCH NO. 1 AT PIEDRA PASS, CO
DLFDT2CO	DON LA FONT DITCH NO. 2 AT PIEDRA PASS, CO
	GOOWAGCO GOOSE CREEK AT WAGONWHEEL GAP, CO.
	LAGLAGCO LA GARITA CREEK NEAR LA GARITA, CO.
LAJCAPCO	LAJARA CREEK AT GALLEGOS RANCH NEAR CAPULIN, CO.
	LOSORTCO LOS PINOS RIVER NEAR ORTIZ, CO.
NCLCONCO	NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO
	NOCRESCO CRESTONE CREEK, NORTH NEAR CRESTONE, CO.
	NORDLSCO NORTON DRAIN NEAR LA SAUSES, CO.
NORDSCCO	SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO
NORLASCO	NORTH CHANNEL CONEJOS RIVER NEAR LASAUSES, CO.
	PINDELCO PINOS CREEK NEAR DEL NORTE, CO
PRWDITCO	PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, C
	RIOALACO RIO GRANDE RIVER AT ALAMOSA, COLORADO
	RIODELCO RIO GRANDE NEAR DEL NORTE, CO.
	RIOLOBCO RIO GRANDE NEAR LOBATOS, CO.
	RIOMILCO RIO GRANDE AT THIRTY MILE BRIDGE
	RIOMONCO RIO GRANDE AT MONTE VISTA, CO
	RIOSFKCO SOUTH FORK RIO GRANDE RIVER AT SOUTH FORK
RIOTRICO	RIO GRANDE RIVER ABOVE THE MOUTH OF TRINCHERA CREEK
	SAGSAGCO SAGUACHE CREEK NEAR SAGUACHE, CO.
SANFTGCO	SANGRE DE CRISTO CREEK NEAR FT. GARLAND, CO.
	SANMANCO SAN ANTONIO RIVER NEAR MANASSA, CO
	SANORTCO SAN ANTONIO RIVER AT ORTIZ, CO.

SOULASCO	SOUTH CHANNEL CONEJOS RIVER NEAR LASAUSES, CO.
TABDITCO	TABOR DITCH AT SPRING CREEK PASS, CO
TARBELCO	TARBELL DITCH NEAR COCHETOPA PASS, CO
TREDITCO	TREASURE PASS DITCH AT WOLF CREEK PASS, CO
TRIMTNCO	TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO.
TRISMICO	TRINCHERA CREEK BELOW SMITH RESERVOIR, CO
TRITURCO	TRINCHERA CREEK AB. TURNER'S RANCH CO
UTEFTGCO	UTE CREEK NEAR FORT GARLAND CO
WCSDITCO	WILLIAMS CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO
WEMDITCO	WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

DIV IV

CODE	NAME
ABCLATCO	ABC LATERAL
MUDAPRCO	MUDDY CREEK ABOVE PAONIA RESERVOIR, CO - GUNNISON CO
RLCGRJCO	REDLANDS CANAL NR GRAND JUNCTION, CO
SOUCANCO	SOUTH CANAL NR MONTROSE, CO - MONTROSE COUNTY

DIV V

CODE	NAME
CHAGULCO	CHAPMAN GULCH NEAR NAST, CO.
FRYIVLCO	FRYINGPAN RIVER NEAR IVANHOE LAKE, CO.
FRYMERCO	FRYINGPAN RIVER AT MEREDITH, CO.
FRYNFNCO	FRYINGPAN RIVER, NORTH FORK NEAR NORRIE, CO.
FRYSFUCO	FRYINGPAN RIVER, SOUTH FORK AT UPPER STATION NEAR NOR
FRYTHOCO	FRYINGPAN RIVER NEAR THOMASVILLE, COLORADO
IVCRNACO	IVANHOE CREEK NEAR NAST, CO.
RFCMERCO	ROCKY FORK CREEK NEAR MEREDITH, CO.
ROABMCCO	ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

DIV VII

CODE	NAME
ANIHOWCO	ANIMAS RIVER NEAR HOWARDSVILLE, CO.
CHEREDCO	CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO.
DOLBMCCO	DOLORES RIVER BELOW MCPHEE RESERVOIR, CO.
FLOALECO	FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, COL
FLOBLECO	FLORIDA RIVER BELOW LEMON RESERVOIR, CO.
LAPHESCO	LA PLATA RIVER AT HESPERUS, CO LA PLATA COUNTY
LAPMEXCO	LA PLATA RIVER AT THE COLORADO/NEW MEXICO LINE
LONREDCO	LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO.
MANMANCO	MANCOS RIVER NEAR MANCOS, COLORADO
NAVBANCO	NAVAJO RIVER AT BANDED PEAKS RANCH NEAR CHROMO, CO.
NAVOSOCO	NAVAJO RIVER BELOW OSO DIVERSION DAM NEAR CHROMO, CO
RIOBLACO	RIO BLANCO BELOW BLANCO DIVERSION DAM NEAR PAGOSA
RIOMOUCO	RIO BLANCO AT THE MOUTH NEAR TRUJILLO, CO.