

# STREAM FLOW DATA for COLORADO

## 1992 WATER YEAR

(OCT 1, 1991 - SEPT 30, 1992)

Compiled by Dave Dzurovchin  
Edited by Jim McDanold

# OFFICE OF THE STATE ENGINEER DIVISION OF WATER RESOURCES

Roy Romer  
Governor



Harold D. Simpson  
State Engineer

## STATEWIDE HYDROGRAPHIC STAFF

### DENVER

J.C. McDanold  
Chuck Shaffer  
Dave Dzurovchin  
Greg Ibarra

### GREELEY

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Fred Renner  
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Robert Cooper  
Merlin Friedrichsen

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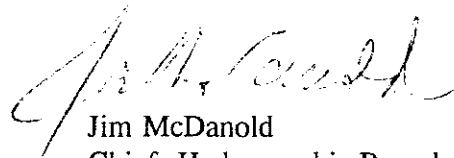
### STEAMBOAT SPRINGS

Kent Holt

### DURANGO

Scott Brinton  
David Nelson

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



Jim McDanold  
Chief, Hydrographic Branch

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## PLATTE RIVER BASIN

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is good. Primary record is taken from hourly satellite readings. Chart data was used Mar. 30-Apr.13; Sep. 16-30, 1992 when encoder failed to follow changes accurately. It is complete and reliable. Record is developed and satellite monitoring maintained by Robert Cooper.

RATING TABLE.--PLAANTCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	5.8	5.4	8.3	7.8	5.4	4.8	35	4.9	55	23	21	9.1		
2	5.8	5.4	8.3	7.9	5.4	5.1	44	5.0	55	24	21	9.1		
3	5.8	5.4	8.7	7.9	5.2	5.0	41	4.7	54	24	11	9.1		
4	5.7	5.4	8.7	7.9	5.1	4.6	39	4.2	44	23	7.1	9.1		
5	5.5	5.4	8.7	7.9	5.1	5.2	38	4.1	38	16	9.1	9.1		
6	5.4	5.4	8.7	7.3	5.1	5.8	37	4.2	33	18	9.4	5.4		
7	5.4	5.4	8.7	6.4	5.1	5.6	37	4.5	31	23	9.5	3.6		
8	5.4	5.4	8.7	6.0	5.1	5.5	31	4.2	31	24	9.5	3.3		
9	5.5	5.4	8.7	5.8	5.1	5.8	28	4.4	36	24	9.5	4.4		
10	5.5	5.4	8.7	5.8	5.1	5.6	28	4.3	66	24	9.5	4.9		
11	5.1	5.4	8.7	5.8	5.1	5.4	28	13	86	23	9.4	5.4		
12	5.1	5.4	8.7	5.8	5.1	5.4	28	18	87	23	9.2	5.4		
13	4.9	5.4	8.7	5.8	5.1	5.4	28	18	69	24	9.2	5.4		
14	4.8	5.4	8.7	5.8	5.0	4.9	27	18	46	23	9.4	5.8		
15	4.8	4.8	8.7	5.7	5.1	4.9	27	18	36	22	9.3	6.1		
16	4.8	4.8	8.7	5.4	5.1	6.6	27	18	22	22	9.1	5.4		
17	4.8	4.8	8.7	5.1	5.1	7.8	23	17	16	22	9.1	5.4		
18	4.8	7.1	8.7	5.1	5.1	7.9	20	17	16	22	9.1	5.4		
19	4.8	8.3	8.7	5.1	5.1	7.9	20	17	17	22	9.1	5.0		
20	4.8	8.3	8.7	5.2	5.1	7.7	11	31	17	15	9.1	5.1		
21	4.8	8.3	8.7	5.4	5.1	7.6	3.4	51	17	12	9.3	5.3		
22	4.9	8.3	8.0	5.4	5.0	7.8	4.4	45	27	12	9.4	5.8		
23	6.1	8.3	7.9	5.1	4.8	11	4.6	40	50	10	9.2	5.7		
24	6.2	8.3	7.9	5.3	5.0	15	3.5	40	69	11	59	5.8		
25	6.0	8.3	7.9	5.4	5.1	15	3.8	40	80	17	106	5.5		
26	5.6	8.3	7.9	5.1	5.0	15	3.1	51	79	21	106	5.3		
27	5.4	8.3	7.9	5.1	4.8	15	2.9	67	70	21	54	5.2		
28	5.4	8.3	7.9	5.2	4.7	15	3.2	72	57	21	15	5.9		
29	5.4	8.3	7.9	5.4	4.8	14	5.2	72	32	21	3.6	6.3		
30	5.4	8.3	7.9	5.1	---	19	5.0	60	23	21	3.7	6.1		
31	5.4	---	7.9	5.3	---	24	---	55	---	21	7.5	---		
TOTAL	165.1	196.7	261.0	183.3	146.9	275.3	636.1	822.5	1359	629	591.3	178.4		
MEAN	5.33	6.56	8.42	5.91	5.07	8.88	21.2	26.5	45.3	20.3	19.1	5.95		
AC-FT	327	390	518	364	291	546	1260	1630	2700	1250	1170	354		
MAX	6.2	8.3	8.7	7.9	5.4	24	44	72	87	24	106	9.1		
MIN	4.8	4.8	7.9	5.1	4.7	4.6	2.9	4.1	16	10	3.6	3.3		
CAL YR 1991 TOTAL		5309.8	MEAN	14.5	MAX	99	MIN	3.6	AC-FT	10530				
WTR YR 1992 TOTAL		5444.6	MEAN	14.9	MAX	106	MIN	2.9	AC-FT	10800				
MAX DISCH		111 CFS	AT 1600	24-AUG-1992	GH	1.74	FT.	SHIFT	-0.02	FT.	MAX GH	1.74	FT.	AT 1600



## PLATTE RIVER BASIN

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

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

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

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

**REMARKS.**--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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	78	53	87	55	51	95	124	73	60	158	87
2	107	78	54	88	54	51	103	113	57	65	164	116
3	81	77	58	90	54	51	162	105	54	69	155	116
4	81	77	64	88	54	52	192	93	54	53	144	123
5	76	76	73	88	54	52	192	72	54	42	148	131
6	68	81	73	88	56	51	192	72	54	81	151	132
7	68	87	72	87	54	51	189	72	55	157	153	129
8	69	87	71	87	54	52	189	72	52	167	152	132
9	69	87	74	87	54	52	165	72	45	179	152	136
10	69	87	75	87	54	52	151	72	45	210	152	126
11	69	86	74	87	54	51	151	72	45	201	152	113
12	69	96	74	87	54	51	151	68	45	187	151	103
13	69	113	75	89	54	51	151	65	47	181	141	96
14	68	114	74	87	53	51	151	65	50	149	116	98
15	68	113	76	89	54	51	126	64	54	144	114	109
16	68	113	76	87	54	50	64	64	53	166	112	117
17	88	113	75	87	53	50	77	64	54	151	125	121
18	102	115	75	87	55	72	77	65	54	136	120	126
19	102	95	75	93	54	96	77	65	54	117	110	130
20	102	62	80	86	52	96	72	65	54	110	127	148
21	77	56	88	86	52	96	59	65	63	110	136	141
22	61	56	87	86	52	96	59	88	61	108	139	130
23	60	56	87	86	52	96	59	98	51	107	141	130
24	60	58	88	86	53	96	59	85	52	108	162	130
25	84	60	87	86	52	95	59	105	118	99	153	130
26	104	58	87	86	53	94	59	110	203	101	78	126
27	108	57	88	86	52	95	59	97	158	120	63	123
28	107	52	90	74	52	94	59	78	108	101	52	127
29	98	52	87	55	51	95	73	75	86	73	52	127
30	77	55	88	55	---	95	120	78	61	99	51	127
31	77	---	87	55	---	95	---	85	---	134	51	---
TOTAL	2518	2395	2385	2597	1549	2181	3392	2488	2014	3785	3875	3680
MEAN	81.2	79.8	76.9	83.8	53.4	70.4	113	80.3	67.1	122	125	123
AC-FT	4990	4750	4730	5150	3070	4330	6730	4930	3990	7510	7690	7300
MAX	112	115	90	93	56	96	192	124	203	210	164	148
MIN	60	52	53	55	51	50	59	64	45	42	51	87

CAL YR 1991 TOTAL 28570 MEAN 78.3 MAX 210 MIN 28 AC-FT 56670  
WTR YR 1992 TOTAL 32859 MEAN 89.8 MAX 210 MIN 42 AC-FT 65180

MAX DISCH 337 CFS AT 1115 25-AUG-1992 GH 2.25 FT. SHIFT -0.04 FT. MAX GH 2.25 FT. AT 1115  
25-AUG-1992



















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

**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 Oct. 28-31; Nov. 1, 16-30; Dec. 1-4, 1991; Jan. 14-16, 19-21, 23, 1992. The satellite record is the primary record. 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	29	28	25	26	27	59	92	117	50	17	17
2	41	30	27	24	27	27	54	92	79	58	15	18
3	39	28	26	24	27	26	53	89	66	47	14	18
4	41	29	32	24	26	100	55	83	60	39	13	16
5	41	40	41	25	24	64	75	77	58	38	14	14
6	40	41	40	25	24	41	74	79	59	35	13	14
7	39	42	40	27	24	34	80	75	65	31	13	15
8	36	39	39	26	24	44	96	75	66	32	13	14
9	34	37	37	25	25	58	100	74	59	31	13	12
10	33	40	34	26	25	49	100	81	59	29	12	21
11	31	40	34	25	25	50	114	73	59	29	20	21
12	30	38	32	27	26	53	118	64	67	45	28	17
13	30	36	32	26	25	51	123	58	70	48	38	15
14	30	34	30	26	24	51	127	56	60	40	44	14
15	29	39	28	26	21	47	142	53	57	40	44	12
16	32	38	30	26	21	48	159	47	52	41	43	10
17	34	37	31	26	23	49	167	42	48	49	49	8.5
18	28	37	30	26	21	51	157	46	44	42	57	9.5
19	29	36	30	26	20	41	148	51	50	34	61	11
20	28	35	31	25	23	32	138	48	48	38	49	11
21	30	34	30	25	22	28	120	47	44	43	47	11
22	29	33	30	24	21	31	113	68	37	34	48	10
23	28	33	30	25	25	23	104	61	33	34	50	10
24	34	32	29	25	24	19	96	51	36	29	296	11
25	33	31	24	26	25	16	88	63	42	32	175	11
26	27	30	24	26	24	15	89	67	57	45	70	11
27	23	30	22	26	25	45	82	71	61	32	44	13
28	24	29	22	27	25	86	79	64	66	24	33	12
29	25	28	22	27	26	58	80	63	59	20	24	13
30	26	27	23	26	---	52	89	57	52	21	22	14
31	28	---	23	27	---	59	---	72	---	19	18	---
TOTAL	999	1032	931	794	698	1375	3079	2039	1730	1129	1397	404.0
MEAN	32.2	34.4	30.0	25.6	24.1	44.4	103	65.8	57.7	36.4	45.1	13.5
AC-FT	1980	2050	1850	1570	1380	2730	6110	4040	3430	2240	2770	801
MAX	47	42	41	27	27	100	167	92	117	58	296	21
MIN	23	27	22	24	20	15	53	42	33	19	12	8.5
CAL YR 1991 TOTAL	18745.7	MEAN	51.4	MAX	334	MIN	8.0	AC-FT	37180			
WTR YR 1992 TOTAL	15607.0	MEAN	42.6	MAX	296	MIN	8.5	AC-FT	30960			
MAX DISCH	490 CFS	AT 1630	24-AUG-1992	GH	4.37 FT.	SHIFT	-0.05 FT.	MAX GH	4.37 FT.	AT 1630		











PLATTE RIVER BASIN  
SOUTH ST. VRAIN NEAR WARD, CO

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1, 1991-May 14, 1992 when station was inactive; May 15, 1992 partial record when station was activated. Chart used on May 15-31; June 1-30; Jul. 1-7, 15-16, 21-23, 26-28, 30-31; Aug. 30-31; Sep. 1-6, 8, 10-14, 17-22, 24-29, 1992. On Jun. 10, 1992 DCP was installed, but had missing data due to incorrect data in MCF file and interference usually between 0500-0800 hours. Record is good except for period of no gage-height record which is fair. Station maintained and record developed by Fred Renner.

RATING TABLE.--SSVWARCO USED FROM 01-OCT-1991 TO 15-MAY-1992

RATING TABLE.--SSVWARCO08 USED FROM 16-MAY-1992 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	61	90	36	31
2	---	---	---	---	---	---	---	---	58	82	34	31
3	---	---	---	---	---	---	---	---	61	63	34	28
4	---	---	---	---	---	---	---	---	82	56	38	27
5	---	---	---	---	---	---	---	---	90	65	41	30
6	---	---	---	---	---	---	---	---	87	82	48	28
7	---	---	---	---	---	---	---	---	87	90	47	26
8	---	---	---	---	---	---	---	---	90	98	45	24
9	---	---	---	---	---	---	---	---	96	103	42	23
10	---	---	---	---	---	---	---	---	96	88	45	16
11	---	---	---	---	---	---	---	---	126	75	48	12
12	---	---	---	---	---	---	---	---	171	76	44	10
13	---	---	---	---	---	---	---	---	162	75	42	9.8
14	---	---	---	---	---	---	---	---	149	68	40	9.1
15	---	---	---	---	---	---	---	57	139	54	40	9.2
16	---	---	---	---	---	---	---	61	110	56	38	8.8
17	---	---	---	---	---	---	---	61	82	64	41	9.8
18	---	---	---	---	---	---	---	70	75	57	39	10
19	---	---	---	---	---	---	---	77	82	58	36	9.8
20	---	---	---	---	---	---	---	80	103	68	33	9.8
21	---	---	---	---	---	---	---	116	129	61	33	9.8
22	---	---	---	---	---	---	---	126	110	56	34	9.4
23	---	---	---	---	---	---	---	110	110	50	36	9.5
24	---	---	---	---	---	---	---	119	119	49	52	7.7
25	---	---	---	---	---	---	---	119	129	56	52	8.7
26	---	---	---	---	---	---	---	106	129	52	45	8.7
27	---	---	---	---	---	---	---	136	100	48	39	8.0
28	---	---	---	---	---	---	---	100	90	42	34	7.7
29	---	---	---	---	---	---	---	85	93	41	31	7.3
30	---	---	---	---	---	---	---	73	87	37	30	7.7
31	---	---	---	---	---	---	---	63	---	35	29	---
TOTAL									3103	1995	1226	446.8
MEAN									103	64.4	39.5	14.9
AC-FT									6150	3960	2430	886
MAX									171	103	52	31
MIN									58	35	29	7.3

CAL YR 1991 TOTAL MEAN MAX MIN AC-FT  
WTR YR 1992 TOTAL 6770.8 MEAN 18.5 MAX 171 MIN 7.3 AC-FT 13430

MAX DISCH 217 CFS AT 0315 12-JUN-1992 GH 2.88 FT. SHIFT 0.01 FT. MAX GH 2.88 FT. AT 0315  
12-JUN-1992

## PLATTE RIVER BASIN

LEFTHAND DIVERSION AT ST. VRAIN CREEK NEAR WARD, CO

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

DRAINAGE AREA.--

GAGE.--A-71 graphic water-stage recorder. Chart is the primary record.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1, 1991-May 20, 1992 when station was not active; partial record on May 21, 1992 when station was activated; Sep. 29-30, 1992 when ditch rider removed chart and recorder from shelter. The record is good, except for period of no gage-height record, which is fair. No discharges were estimated prior to gage activation. Station maintained and record developed by Fred Renner.

RATING TABLE.--LEFTHDCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	---	---	---	---	---	---	0.0	51	61	33	30
2	0.0	---	---	---	---	---	---	0.0	49	61	32	30
3	0.0	---	---	---	---	---	---	0.0	51	54	32	26
4	0.0	---	---	---	---	---	---	0.0	54	49	35	26
5	0.0	---	---	---	---	---	---	0.0	56	54	37	28
6	0.0	---	---	---	---	---	---	0.0	57	61	40	26
7	0.0	---	---	---	---	---	---	0.0	57	62	39	24
8	0.0	---	---	---	---	---	---	0.0	58	64	39	23
9	0.0	---	---	---	---	---	---	0.0	60	77	39	21
10	0.0	---	---	---	---	---	---	0.0	52	75	39	16
11	0.0	---	---	---	---	---	---	0.0	45	64	40	12
12	0.0	---	---	---	---	---	---	0.0	46	65	39	10
13	0.0	---	---	---	---	---	---	0.0	46	72	38	9.8
14	0.0	---	---	---	---	---	---	0.0	45	74	36	9.4
15	0.0	---	---	---	---	---	---	0.0	45	58	37	9.4
16	0.0	---	---	---	---	---	---	0.0	49	43	35	9.4
17	0.0	---	---	---	---	---	---	0.0	56	41	37	9.8
18	0.0	---	---	---	---	---	---	0.0	58	40	36	10
19	0.0	---	---	---	---	---	---	0.0	65	39	33	9.8
20	0.0	---	---	---	---	---	---	0.0	66	40	32	9.8
21	0.0	---	---	---	---	---	---	103	69	50	32	9.8
22	0.0	---	---	---	---	---	---	109	68	54	32	9.8
23	0.0	---	---	---	---	---	---	101	68	50	34	8.9
24	0.0	---	---	---	---	---	---	107	68	45	39	8.1
25	0.0	---	---	---	---	---	---	74	84	42	41	8.5
26	0.0	---	---	---	---	---	---	54	105	41	41	8.5
27	0.0	---	---	---	---	---	---	54	81	41	38	8.1
28	0.0	---	---	---	---	---	---	53	62	39	33	7.8
29	0.0	---	---	---	---	---	---	53	62	37	30	7.5
30	0.0	---	---	---	---	---	---	51	61	35	29	7.5
31	0.0	---	---	---	---	---	---	52	---	34	28	---
TOTAL	0.0							811	1794	1622	1105	433.9
MEAN	0.0							26.2	59.8	52.3	35.6	14.5
AC-FT	0.0							1610	3560	3220	2190	861
MAX	0.0							109	105	77	41	30
MIN	0.0							0.0	45	34	28	7.5

CAL YR 1991 TOTAL		MEAN		MAX		MIN		AC-FT	
WTR YR 1992 TOTAL	5765.9	MEAN	15.8	MAX	109	MIN	0.00	AC-FT	11440

NO PEAK DATA AVAILABLE

PLATTE RIVER BASIN  
BEAVER CREEK ABOVE BEAVER RESERVOIR

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1, 1991-May 20, 1992 when station was not active; partial record on May 21, 1992 when station was activated. The record is good, except for period of no gage-height record, which is fair. No flows were estimated prior to gage activation. Station maintained and record developed by Fred Renner.

RATING TABLE.--BEAVERCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	22	14	2.8	3.2
2	---	---	---	---	---	---	---	---	21	13	3.2	3.2
3	---	---	---	---	---	---	---	---	21	12	3.3	3.0
4	---	---	---	---	---	---	---	---	21	11	3.9	3.0
5	---	---	---	---	---	---	---	---	22	11	3.8	2.9
6	---	---	---	---	---	---	---	---	23	11	3.8	3.0
7	---	---	---	---	---	---	---	---	23	10	3.6	2.9
8	---	---	---	---	---	---	---	---	23	10	3.5	2.8
9	---	---	---	---	---	---	---	---	24	10	5.7	2.7
10	---	---	---	---	---	---	---	---	24	8.3	4.1	2.7
11	---	---	---	---	---	---	---	---	25	7.9	4.1	2.7
12	---	---	---	---	---	---	---	---	27	7.7	3.9	2.7
13	---	---	---	---	---	---	---	---	26	7.7	3.5	2.8
14	---	---	---	---	---	---	---	---	26	7.1	3.3	2.8
15	---	---	---	---	---	---	---	---	24	6.9	3.3	2.8
16	---	---	---	---	---	---	---	---	22	6.7	3.3	2.7
17	---	---	---	---	---	---	---	---	21	6.4	3.3	2.8
18	---	---	---	---	---	---	---	---	20	6.2	3.5	2.8
19	---	---	---	---	---	---	---	---	20	5.9	3.5	2.8
20	---	---	---	---	---	---	---	---	21	6.9	3.3	2.8
21	---	---	---	---	---	---	---	---	23	21	6.2	3.3
22	---	---	---	---	---	---	---	---	23	20	5.5	3.3
23	---	---	---	---	---	---	---	---	23	20	5.2	3.3
24	---	---	---	---	---	---	---	---	25	20	5.0	4.7
25	---	---	---	---	---	---	---	---	26	20	4.7	3.9
26	---	---	---	---	---	---	---	---	27	19	4.8	3.8
27	---	---	---	---	---	---	---	---	32	18	4.3	3.5
28	---	---	---	---	---	---	---	---	28	17	4.1	3.3
29	---	---	---	---	---	---	---	---	25	16	3.9	3.2
30	---	---	---	---	---	---	---	---	24	15	3.9	3.2
31	---	---	---	---	---	---	---	---	22	---	3.9	3.2
TOTAL									642	231.2	111.4	84.1
MEAN									21.4	7.46	3.59	2.80
AC-FT									1270	459	221	167
MAX									27	14	5.7	3.2
MIN									15	3.9	2.8	2.6

CAL YR 1991 TOTAL	MEAN	MAX	MIN	AC-FT
WTR YR 1992 TOTAL	1068.7	2.92	27	2120
	MEAN	MAX	MIN	AC-FT
				2.6

MAX DISCH 35 CFS AT 2400 26-MAY-1992 GH 2.58 FT. SHIFT 0.00 FT. MAX GH 2.58 FT. AT 2400  
26-MAY-1992

## PLATTE RIVER BASIN

06724000 ST VRAIN CREEK AT LYONS, CO

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

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

**GAGE.**--Water-stage recorder with satellite telemetry. Elevation of gage is 5,292 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Apr. 6, 1923, non-recording gages near present site at different datums. Apr. 6, 1923, to Sept. 30, 1956, water-stage recorder at same site at datum 1.00 ft. higher. 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. Data collection platform used as primary record. Graphic chart used on Oct. 4-7, 10-11, 28-30; Nov. 14, 17; Dec. 12, 1991; Jan 4-6; Mar. 9, 17, 27-30; Apr. 15; May 1; Jun 4-14, 16-17, 19-30; Jul. 1-4, 6-9, 12, 14-16, 21, 28; Aug. 4-5, 8-11, 15-16, 18, 22-23, 27-31; Sep. 1, 18-20, 1992. Record is good. Station maintained and records developed by Fred Renner.

**RATING TABLE.**--SVLYOCO20 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	42	20	18	21	17	12	86	159	159	290	82	56	
2	36	26	22	20	19	11	92	168	137	282	78	67	
3	30	27	22	20	18	17	73	144	130	230	80	65	
4	31	27	25	18	17	31	80	124	175	184	115	60	
5	31	30	26	19	17	36	91	124	266	180	110	62	
6	29	30	23	18	15	25	98	144	280	198	98	56	
7	25	31	23	18	15	21	103	186	278	230	96	48	
8	22	48	26	17	16	27	101	206	290	254	89	42	
9	21	36	24	15	17	34	104	213	330	266	89	37	
10	21	40	22	18	17	30	105	227	340	223	93	33	
11	15	33	25	17	17	37	123	200	385	198	112	32	
12	15	33	25	19	16	43	125	184	530	188	111	28	
13	19	31	21	15	16	50	119	163	500	185	107	28	
14	21	30	19	16	15	52	117	161	494	155	93	26	
15	23	34	24	13	15	53	115	163	452	153	80	30	
16	14	34	26	17	17	49	170	177	365	165	72	30	
17	14	39	20	17	16	50	172	203	290	177	85	30	
18	14	36	21	15	14	49	179	230	245	161	91	39	
19	17	34	23	17	15	43	156	270	298	148	82	51	
20	19	29	25	16	16	39	141	294	345	189	68	48	
21	17	31	24	11	15	42	125	326	390	181	62	39	
22	21	27	24	11	15	38	118	381	350	146	68	38	
23	17	20	23	15	15	36	110	371	365	140	80	32	
24	21	21	17	13	15	36	101	346	380	125	125	31	
25	26	25	20	15	15	37	96	348	385	131	142	30	
26	20	28	20	19	15	43	96	364	390	144	111	33	
27	24	25	19	17	15	41	91	418	330	126	82	30	
28	28	26	19	17	14	64	95	324	294	105	66	28	
29	25	24	24	18	12	78	104	265	310	93	54	26	
30	18	19	22	18	---	74	133	216	270	90	53	23	
31	18	---	19	18	---	87	---	183	---	86	43	---	
TOTAL	694	894	691	518	456	1285	3419	7282	9753	5423	2717	1178	
MEAN	22.4	29.8	22.3	16.7	15.7	41.5	114	235	325	175	87.6	39.3	
AC-FT	1380	1770	1370	1030	904	2550	6780	14440	19350	10760	5390	2340	
MAX	42	48	26	21	19	87	179	418	530	290	142	67	
MIN	14	19	17	11	12	11	73	124	130	86	43	23	
CAL YR 1991 TOTAL		40902.6	MEAN	112	MAX	898	MIN	9.6	AC-FT	81130			
WTR YR 1992 TOTAL		34310	MEAN	93.7	MAX	530	MIN	11	AC-FT	68050			
MAX DISCH		548 CFS	AT 0645	12-JUN-1992	GH	4.48	FT.	SHIFT	-0.05	FT.	MAX GH	4.48	FT. AT 0645



## PLATTE RIVER BASIN

06727000 BOULDER CREEK NEAR ORODELL, CO

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

**DRAINAGE AREA.**--102 mi<sup>2</sup>.

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

**REMARKS.**-- Flow regulated by Barker Reservoir, capacity, 11,500 acre-Ft. Low flow during non-irrigation season regulated by Orodell power-plant 1,500 ft upstream from station. Record is complete and reliable except for the following periods: Nov. 23-30; Dec. 1-3, 1991 when the recorder cable came out of pulley wheel causing float to be above water surface in well; May 11, 13, 16-17, 22, 1992 when pen was not inking or skipping and DCP had low values. The stage-discharge relation was affected by thin ice layer during part of day on Nov. 2-3, 20; Dec. 4-7, 9-12, 15-19, 21-23, 26, 30-31, 1991; Jan. 1-3, 9-11, 13-31; Feb. 1-10, 15-17, 20, 24, 26, 29; Mar. 10-11, 1992. Chart record was used on Oct. 4-8, 10-11, 16-17, 24, 28-29, 1991; Jan. 4-5; May 4-5, 18-21; Jun. 4; Jul. 7, 10, 16, 21; Sep. 15-16, 18-20, 27, 29-30, 1992. Record is good, except for periods of no gage-height record and ice affect, which is fair. Station maintained and records developed by Fred Renner.

**RATING TABLE.**--BOCOROC013 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	41	27	12	11	12	33	58	123	132	60	58
2	19	24	23	14	3.8	4.8	31	54	108	134	74	63
3	18	24	25	3.8	25	23	38	42	96	125	78	51
4	17	48	24	8.8	16	24	25	48	104	119	78	48
5	17	51	17	25	16	18	27	64	132	108	69	53
6	16	45	21	14	20	18	62	119	134	99	71	42
7	16	45	16	10	19	18	35	159	130	93	68	46
8	17	47	15	17	17	24	51	162	133	111	55	46
9	17	49	11	13	18	20	34	141	150	132	50	41
10	17	48	17	15	16	32	61	139	158	128	42	32
11	17	48	14	15	18	22	46	114	146	111	72	33
12	16	44	11	17	18	18	68	81	132	105	73	27
13	16	48	19	17	21	18	49	65	126	122	77	30
14	16	40	20	13	21	20	76	101	127	116	74	27
15	16	8.7	17	18	21	20	59	138	120	100	65	26
16	16	10	15	14	16	21	89	143	108	116	55	28
17	14	11	15	13	20	22	80	146	115	107	63	27
18	15	44	15	3.0	21	23	94	151	124	100	77	30
19	15	45	11	25	16	23	85	167	130	108	72	29
20	15	48	12	12	13	21	73	183	101	123	55	26
21	15	50	13	14	12	21	66	216	113	116	49	26
22	15	44	11	15	14	12	55	253	145	103	69	26
23	15	42	13	16	13	29	51	216	131	103	78	23
24	16	40	11	10	14	21	50	199	131	108	116	23
25	16	30	8.7	11	12	20	49	194	151	118	107	25
26	16	39	13	5.2	3.9	22	46	180	193	126	88	27
27	15	28	14	15	20	23	44	184	176	121	82	26
28	17	22	14	17	21	32	46	161	164	98	63	23
29	20	21	11	14	13	24	52	139	157	80	53	22
30	39	32	13	14	---	39	62	128	141	75	51	25
31	27	---	13	13	---	36	---	130	---	66	59	---
TOTAL	539	1116.7	479.7	423.8	469.7	680.8	1637	4275	3999	3403	2143	1009
MEAN	17.4	37.2	15.5	13.7	16.2	22.0	54.6	138	133	110	69.1	33.6
AC-FT	1070	2210	951	841	932	1350	3250	8480	7930	6750	4250	2000
MAX	39	51	27	25	25	39	94	253	193	134	116	63
MIN	14	8.7	8.7	3.0	3.8	4.8	25	42	96	66	42	22
CAL YR 1991 TOTAL		24233.7	MEAN	66.4	MAX	409	MIN	8.7	AC-FT	48070		
WTR YR 1992 TOTAL		20175.7	MEAN	55.1	MAX	253	MIN	3.0	AC-FT	40020		

MAX DISCH 266 CFS AT 2300 21-MAY-1992 GH 2.98 FT. SHIFT 0.00 FT. MAX GH 2.98 FT. AT 2300  
21-MAY-1992









## PLATTE RIVER BASIN

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

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

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

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

**REMARKS.**--Record is complete and reliable. DCP was the primary source of record. The chart was used on Oct. 6-7, 27, 1991; Jan. 4-5; Apr. 15; May 23-25; Sep. 19-21, 1992. Station maintained and records developed by George Sievers. Record is good.

**RATING TABLE.**--SVCPLACO23 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	129	165	123	123	113	267	201	307	295	263	246
2	161	140	168	118	121	110	251	199	280	308	253	229
3	148	140	172	125	115	110	241	194	236	281	254	222
4	145	148	171	114	122	194	233	179	224	262	331	217
5	157	157	171	112	117	328	218	159	227	258	300	212
6	146	157	168	132	118	195	227	138	229	268	295	211
7	140	155	165	132	119	164	248	168	287	220	298	204
8	141	147	156	132	116	168	231	207	403	240	296	191
9	133	148	150	129	114	253	225	172	697	243	297	187
10	138	166	147	127	112	276	202	159	621	289	278	182
11	117	166	151	132	113	265	198	178	588	291	281	182
12	113	165	152	131	114	308	181	153	632	308	313	179
13	103	155	149	129	116	369	190	137	667	307	318	180
14	105	165	142	133	118	443	224	128	617	288	296	171
15	103	169	141	110	115	407	244	124	617	275	288	169
16	103	156	144	129	113	400	322	136	528	295	287	149
17	96	178	144	156	112	358	383	147	416	305	291	149
18	96	193	142	153	116	321	370	177	290	296	311	142
19	101	239	148	137	112	304	362	179	202	280	294	148
20	102	222	139	158	114	292	352	170	181	323	270	157
21	105	208	135	157	112	259	352	171	224	333	262	138
22	103	221	135	155	115	252	317	229	255	307	281	139
23	99	199	133	126	115	246	272	259	251	299	327	147
24	102	194	131	126	112	244	251	256	253	295	610	148
25	100	192	129	125	119	240	231	304	364	315	797	139
26	104	191	123	121	117	225	213	388	472	339	440	139
27	115	191	125	115	113	213	199	347	509	342	311	140
28	113	180	126	124	112	270	205	320	454	321	262	132
29	125	173	126	129	117	327	190	275	438	285	242	143
30	123	172	121	124	---	266	179	244	379	279	243	142
31	129	---	121	125	---	264	---	242	---	283	246	---
TOTAL	3755	5216	4490	4039	3352	8184	7578	6340	11848	9030	9835	5134
MEAN	121	174	145	130	116	264	253	205	395	291	317	171
AC-FT	7450	10350	8910	8010	6650	16230	15030	12580	23500	17910	19510	10180
MAX	189	239	172	158	123	443	383	388	697	342	797	246
MIN	96	129	121	110	112	110	179	124	181	220	242	132

CAL YR 1991 TOTAL 75384 MEAN 207 MAX 1490 MIN 61 AC-FT 149500  
WTR YR 1992 TOTAL 78801 MEAN 215 MAX 797 MIN 96 AC-FT 156300

MAX DISCH 1019 CFS AT 0345 25-AUG-1992 GH 3.88 FT. SHIFT -0.07 FT. MAX GH 3.88 FT. AT 0345  
25-AUG-1992



## PLATTE RIVER BASIN

06734500 FISH CREEK NEAR ESTES PARK, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for Oct. 30-31; Nov. 1-30; Dec. 1-31, 1991; Jan. 1-31; Feb. 1-29; Mar. 1-31; Apr. 1-22, 1992, when station was closed. Record is fair. Station maintained and records developed by Jim Clark and Fred H. Renner.

RATING TABLE.--FISHESCO06 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	0.45	0.45	0.40	0.40	0.40	1.0	4.9	3.8	2.4	0.78	0.69
2	0.69	0.45	0.45	0.40	0.40	0.40	1.0	4.5	3.1	2.4	0.78	0.44
3	0.60	0.45	0.45	0.40	0.40	0.40	1.0	4.3	2.8	2.1	0.78	0.36
4	0.69	0.45	0.45	0.40	0.40	0.40	1.0	4.3	2.6	2.1	0.78	0.36
5	0.69	0.45	0.45	0.40	0.40	0.40	1.0	4.6	3.0	1.9	0.69	0.36
6	0.60	0.45	0.45	0.40	0.40	0.50	2.0	4.7	2.8	1.8	0.60	0.29
7	0.60	0.45	0.45	0.40	0.40	0.50	2.0	4.5	2.8	1.5	0.60	0.29
8	0.52	0.45	0.45	0.40	0.40	0.50	2.0	4.5	3.0	1.6	0.52	0.23
9	0.52	0.45	0.45	0.40	0.40	0.50	2.0	4.7	3.3	1.4	0.52	0.23
10	0.44	0.45	0.45	0.40	0.40	0.50	3.0	4.3	3.3	1.3	0.60	0.23
11	0.52	0.45	0.45	0.40	0.40	0.60	3.0	4.1	4.0	1.3	0.69	0.23
12	0.44	0.45	0.45	0.40	0.40	0.60	3.0	4.7	4.1	1.6	0.69	0.29
13	0.44	0.45	0.45	0.40	0.40	0.60	4.0	4.0	2.9	1.2	0.60	0.23
14	0.44	0.45	0.45	0.40	0.40	0.60	4.0	3.6	2.8	1.1	0.60	0.26
15	0.44	0.45	0.45	0.40	0.40	0.70	4.0	3.4	3.0	0.98	0.52	0.29
16	0.44	0.45	0.45	0.40	0.40	0.70	5.0	3.3	2.6	1.3	0.52	0.29
17	0.36	0.45	0.40	0.40	0.40	0.70	5.0	3.0	2.6	1.7	0.60	0.29
18	0.36	0.45	0.40	0.40	0.40	0.80	6.0	3.0	2.5	1.3	0.60	0.29
19	0.36	0.45	0.40	0.40	0.40	0.80	6.0	3.0	2.5	1.2	0.52	0.29
20	0.29	0.45	0.40	0.40	0.40	0.80	7.0	3.0	2.6	1.9	0.44	0.29
21	0.29	0.45	0.40	0.40	0.40	0.80	7.0	4.1	2.8	1.8	0.44	0.29
22	0.29	0.45	0.40	0.40	0.40	0.80	8.0	4.1	3.0	1.3	0.44	0.29
23	0.23	0.45	0.40	0.40	0.40	0.80	7.4	3.3	2.5	1.3	0.52	0.29
24	0.23	0.45	0.40	0.40	0.40	0.80	6.9	3.1	2.4	1.2	0.88	0.23
25	0.29	0.45	0.40	0.40	0.40	0.80	6.2	4.0	2.8	1.7	1.2	0.29
26	0.23	0.45	0.40	0.40	0.40	0.90	5.8	3.6	3.4	1.6	0.98	0.29
27	0.17	0.45	0.40	0.40	0.40	0.90	5.8	3.4	3.0	1.0	0.60	0.29
28	0.23	0.45	0.40	0.40	0.40	0.90	5.4	3.6	3.3	0.88	0.44	0.29
29	0.17	0.45	0.40	0.40	0.40	0.90	5.2	3.3	3.3	0.88	0.36	0.29
30	0.45	0.45	0.40	0.40	---	0.90	5.0	3.3	2.5	0.78	0.36	0.29
31	0.45	---	0.40	0.40	---	0.90	---	3.6	---	0.78	0.52	---
TOTAL	13.57	13.50	13.20	12.40	11.60	20.80	125.7	119.8	89.1	45.30	19.17	9.07
MEAN	0.44	0.45	0.43	0.40	0.40	0.67	4.19	3.86	2.97	1.46	0.62	0.30
AC-FT	27	27	26	25	23	41	249	238	177	90	38	18
MAX	1.1	0.45	0.45	0.40	0.40	0.90	8.0	4.9	4.1	2.4	1.2	0.69
MIN	0.17	0.45	0.40	0.40	0.40	0.40	1.0	3.0	2.4	0.78	0.36	0.23
CAL YR 1991 TOTAL		652.02	MEAN	1.79	MAX	22	MIN	0.17	AC-FT	1290		
WTR YR 1992 TOTAL		493.21	MEAN	1.35	MAX	8.0	MIN	0.17	AC-FT	978		

NO PEAK DATA AVAILABLE



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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	523	498	446	498	422	251	200	52	544	399	165	96
2	525	491	447	411	411	246	240	112	361	396	142	117
3	491	467	447	428	426	248	202	121	493	397	176	109
4	373	502	425	426	424	240	219	92	545	396	177	106
5	374	503	423	412	419	245	93	105	558	397	178	107
6	383	499	420	412	424	254	1.7	222	553	394	193	178
7	30	504	420	414	424	244	1.8	266	558	306	291	217
8	0.50	507	427	425	424	252	1.7	368	547	208	288	186
9	0.50	506	420	427	424	220	1.6	532	560	377	286	186
10	0.47	508	459	424	338	256	139	529	544	392	284	184
11	0.45	507	447	427	287	253	158	536	546	393	306	187
12	0.45	506	445	423	257	250	151	533	546	394	309	172
13	0.45	507	446	423	258	256	133	535	546	399	307	174
14	0.45	506	446	422	357	260	150	534	518	396	332	273
15	0.45	495	442	427	359	259	156	538	539	271	251	197
16	0.45	496	442	427	356	258	127	544	535	209	255	30
17	0.45	495	426	424	354	258	107	543	476	199	251	0.0
18	0.47	476	440	428	355	248	128	541	391	199	252	51
19	0.50	465	444	428	356	243	148	542	384	196	220	196
20	0.45	448	440	427	360	215	114	543	397	196	220	193
21	0.45	447	430	425	247	167	158	543	396	196	239	114
22	0.45	446	444	426	245	174	110	543	397	205	223	50
23	0.45	445	443	409	251	192	92	547	399	156	121	1.5
24	0.43	445	438	409	250	161	134	544	395	145	176	0.0
25	0.40	421	424	410	406	177	93	545	399	158	96	146
26	0.40	385	412	425	438	189	5.8	536	398	170	100	196
27	0.40	452	425	424	439	191	107	545	502	182	105	181
28	0.39	453	427	381	437	220	105	541	443	165	88	162
29	25	453	424	426	246	191	132	539	399	151	87	111
30	152	450	427	423	---	192	148	544	399	130	96	129
31	506	---	338	423	---	202	---	544	---	123	97	---
TOTAL	3391.42	14283	13384	13114	10394	7012	3556.6	13759	14268	8295	6311	4049.5
MEAN	109	476	432	423	358	226	119	444	476	268	204	135
AC-FT	6730	28330	26550	26010	20620	13910	7050	27290	28300	16450	12520	8030
MAX	525	508	459	498	439	260	240	547	560	399	332	273
MIN	0.39	385	338	381	245	161	1.6	52	361	123	87	0.0

CAL YR 1991 TOTAL 125619.86 MEAN 344 MAX 563 MIN 0.10 AC-FT 249200  
WTR YR 1992 TOTAL 111817.52 MEAN 306 MAX 560 MIN 0.00 AC-FT 221800

MAX DISCH 605 CFS AT 2000 09-JUN-1992 GH 8.51 FT. SHIFT -0.13 FT. MAX GH 8.51 FT. AT 2000  
09-JUN-1992













## 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 the following periods; May 2-7, 1992 when recorder pen did not ink and clock stopped; Oct. 1-4; Nov. 13-18, 1991; Apr. 17-Aug. 25, 27-28; Sep. 7-17, 23-30, 1992 chart trace was reading inaccurately. Record was computed using daily notations from Bureau of Reclamation personnel usually made at 0700 hours. This time slot represented cfs adjustments made in light of water available to Bureau for power generation. The chart records cubic feet per second not gage- heights. Station maintained by U.S. Bureau of Reclamation. Record is fair. Records developed by Fred H. Renner.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	0.0	0.0	0.0	0.0	0.0	0.0	119	235	400	150	0.0
2	185	0.0	0.0	0.0	0.0	0.0	0.0	147	223	400	162	0.0
3	157	0.0	0.0	0.0	0.0	0.0	0.0	170	176	340	182	0.0
4	42	0.0	0.0	0.0	0.0	0.0	0.0	150	243	265	189	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	270	212	148	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234	302	240	193	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	283	307	271	267	78
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	318	309	288	298	121
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	322	330	324	303	125
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	324	332	335	301	125
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	327	337	323	300	125
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	289	382	297	302	114
13	0.0	175	0.0	0.0	0.0	0.0	0.0	263	400	294	323	112
14	0.0	400	0.0	0.0	0.0	0.0	0.0	359	400	333	333	106
15	0.0	383	0.0	0.0	0.0	0.0	0.0	400	117	254	247	103
16	0.0	370	0.0	0.0	0.0	0.0	0.0	400	261	198	202	135
17	0.0	282	0.0	0.0	0.0	0.0	62	400	329	191	197	43
18	0.0	73	0.0	0.0	0.0	0.0	102	345	315	207	200	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	129	278	375	196	204	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	120	283	400	198	190	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	105	296	400	200	200	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	103	364	400	217	180	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	102	374	384	196	175	71
24	0.0	0.0	0.0	0.0	0.0	0.0	30	301	368	172	195	104
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312	379	178	84	111
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	329	396	208	0.0	109
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	338	400	208	91	107
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	383	400	174	38	106
29	0.0	0.0	0.0	0.0	0.0	0.0	71	358	400	151	0.0	99
30	0.0	0.0	0.0	0.0	---	0.0	113	297	400	133	0.0	29
31	0.0	---	0.0	0.0	---	0.0	---	255	---	122	0.0	---
TOTAL	569	1683	0.0	0.0	0.0	0.0	937	9164	9970	7525	5654	1923
MEAN	18.4	56.1	0.0	0.0	0.0	0.0	31.2	296	332	243	182	64.1
AC-FT	1130	3340	0.0	0.0	0.0	0.0	1860	18180	19780	14930	11210	3810
MAX	185	400	0.0	0.0	0.0	0.0	129	400	400	400	333	135
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119	117	122	0.0	0.0

CAL YR 1991 TOTAL 43668 MEAN 120 MAX 401 MIN 0.00 AC-FT 86620  
 WTR YR 1992 TOTAL 37425 MEAN 102 MAX 400 MIN 0.00 AC-FT 74230

NO PEAK DATA AVAILABLE

## PLATTE RIVER BASIN

BOULDER CREEK SUPPLY CANAL TO BOULDER CREEK NEAR BOULDER, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--BCSCBCC02 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	27	116	56	87
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	114	73	89
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133	92	88
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	89	87
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	70	75
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160	66	66
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	173	62	59
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180	49	53
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194	23	39
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	192	21	1.9
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	183	20	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167	26	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167	43	5.9
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169	35	18
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	173	11	20
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	15	18
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	170	23	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	170	22	19
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	22	14
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	21	11
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141	25	11
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133	41	11
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111	41	10
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	41	8.6
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	41	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	27	41	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	20	41	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78	11	41	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	98	11	41	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	109	19	41	0.0
31	0.0	---	0.0	0.0	---	0.0	---	8.4	---	44	53	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	381.7	3870	1286	808.4
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.13	12.7	125	41.5	26.9
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69	757	7680	2550	1600
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	109	194	92	89
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	11	0.0
CAL YR 1990 TOTAL		4732.1	MEAN	13.0	MAX	125	MIN	0.00	AC-FT	9390		
WTR YR 1991 TOTAL		6381.1	MEAN	17.5	MAX	194	MIN	0.00	AC-FT	12660		

NO PEAK DATA AVAILABLE

## PLATTE RIVER BASIN

BOULDER CREEK SUPPLY CANAL TO BOULDER CREEK NEAR BOULDER, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--BCSCBCC02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.99	1.2	16	114	130	4.8
2	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.99	15	114	147	5.7
3	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.99	15	128	148	9.1
4	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.5	15	174	151	11
5	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.0	15	174	148	16
6	0.0	0.0	0.0	0.0	0.0	0.0	1.5	21	23	158	144	16
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53	41	137	140	15
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	41	114	132	15
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	41	193	133	14
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	41	193	138	11
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	41	194	138	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	41	198	140	15
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	41	198	143	16
14	0.0	0.0	0.0	0.0	0.0	0.0	0.99	72	45	194	142	16
15	0.0	0.0	0.0	0.0	0.0	0.0	2.5	48	46	176	140	11
16	0.0	0.0	0.0	0.0	0.0	0.0	1.5	49	47	167	138	9.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	41	151	126	8.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	41	140	97	7.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	42	137	85	7.3
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55	47	131	65	6.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55	71	118	65	3.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.50	55	72	98	65	3.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	72	86	65	2.6
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	81	71	53	0.99
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90	108	77	25	1.3
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66	139	95	3.8	1.5
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	141	94	1.9	1.5
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	140	91	1.5	2.1
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	140	94	4.3	1.2
30	0.0	0.0	0.0	0.0	---	0.0	0.0	15	133	99	5.1	1.2
31	0.0	---	0.0	0.0	---	5.2	---	15	---	107	4.8	---
TOTAL	0.0	0.0	0.0	0.0	0.0	5.2	13.03	1360.68	1792	4215	2919.4	242.59
MEAN	0.0	0.0	0.0	0.0	0.0	0.17	0.43	43.9	59.7	136	94.2	8.09
AC-FT	0.0	0.0	0.0	0.0	0.0	10	26	2700	3550	8360	5790	481
MAX	0.0	0.0	0.0	0.0	0.0	5.2	2.5	90	141	198	151	16
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99	15	71	1.5	0.99

CAL YR 1991 TOTAL	6381.1	MEAN	17.5	MAX	194	MIN	0.00	AC-FT	12660
WTR YR 1992 TOTAL	10547.90	MEAN	28.8	MAX	198	MIN	0.00	AC-FT	20920

NO PEAK DATA AVAILABLE

## PLATTE RIVER BASIN

## BOULDER CREEK FEEDER CANAL NEAR LYONS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--BFCLYOCO02 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	26	0.0	0.0	0.0	0.0	0.0	0.60	34	14	133	27	71
2	16	0.0	0.0	0.0	0.0	0.0	1.0	41	17	122	57	71
3	6.5	0.0	0.0	0.0	0.0	0.0	0.57	48	11	132	72	72
4	6.2	0.0	0.0	0.0	0.0	0.0	1.4	47	0.12	127	63	68
5	6.2	0.0	0.0	0.0	0.0	0.0	3.3	46	4.5	133	56	62
6	6.5	0.0	0.0	0.0	0.0	0.0	4.7	45	7.5	132	45	57
7	6.8	0.0	0.0	0.0	0.0	0.0	5.0	71	6.2	126	26	49
8	7.5	0.0	0.0	0.0	0.0	0.0	5.9	94	6.8	127	22	51
9	9.0	0.0	0.0	0.0	0.0	0.0	9.3	87	6.8	129	23	42
10	9.0	0.0	0.0	0.0	0.0	0.0	13	84	6.5	128	20	29
11	9.3	0.0	0.0	0.0	0.0	0.0	16	81	6.5	125	10	29
12	9.3	0.0	0.0	0.0	0.0	0.0	18	78	6.5	128	6.2	21
13	9.3	0.0	0.0	0.0	0.0	0.0	17	80	6.8	127	7.9	61
14	9.7	0.0	0.0	0.0	0.0	0.0	17	98	6.8	130	11	103
15	9.3	0.0	0.0	0.0	0.0	0.0	17	118	6.8	155	10	104
16	9.7	0.0	0.0	0.0	0.0	0.0	55	121	6.2	171	9.3	113
17	13	0.0	0.0	0.0	0.0	0.0	69	118	7.5	182	6.5	115
18	17	0.0	0.0	0.0	0.0	0.0	50	114	12	194	2.2	118
19	11	0.0	0.0	0.0	0.0	0.0	50	111	8.2	196	10	120
20	0.0	0.0	0.0	0.0	0.0	0.0	58	111	7.5	192	24	124
21	0.0	0.0	0.0	0.0	0.0	0.0	65	77	12	186	27	121
22	0.0	0.0	0.0	0.0	0.0	0.0	65	40	16	185	30	122
23	0.0	0.0	0.0	0.0	0.0	0.0	65	31	12	186	51	124
24	0.0	0.0	0.0	0.0	0.0	0.0	65	37	12	190	67	127
25	0.0	0.0	0.0	0.0	0.0	0.0	86	39	12	186	64	98
26	0.0	0.0	0.0	0.0	0.0	0.0	103	39	12	158	65	42
27	0.0	0.0	0.0	0.0	0.0	0.0	100	37	30	108	72	20
28	0.0	0.0	0.0	0.0	0.0	0.0	99	24	61	88	75	18
29	0.0	0.0	0.0	0.0	---	0.0	71	14	118	54	67	22
30	0.0	0.0	0.0	0.0	---	0.0	40	13	143	20	59	30
31	0.0	---	0.0	0.0	---	0.0	---	13	---	15	71	---
TOTAL	197.3	0.0	0.0	0.0	0.0	0.0	1170.77	1991	583.22	4265	1156.1	2204
MEAN	6.36	0.0	0.0	0.0	0.0	0.0	39.0	64.2	19.4	138	37.3	73.5
AC-FT	391	0.0	0.0	0.0	0.0	0.0	2320	3950	1160	8460	2290	4370
MAX	26	0.0	0.0	0.0	0.0	0.0	103	121	143	196	75	127
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.57	13	0.12	15	2.2	18
CAL YR 1990 TOTAL	6765.4	MEAN	18.5	MAX	138	MIN	0.00	AC-FT	13420			
WTR YR 1991 TOTAL	11567.39	MEAN	31.7	MAX	196	MIN	0.00	AC-FT	22940			

NO PEAK DATA AVAILABLE

PLATTE RIVER BASIN  
BOULDER CREEK FEEDER CANAL NEAR LYONS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--BFCLYOCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	45	0.0	0.0	0.0	0.0	0.0	0.0	22	191	127	1.7
2	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	192	138	0.0
3	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	194	154	7.6
4	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	197	168	18
5	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	194	158	16
6	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	196	149	12
7	37	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.5	197	148	12
8	37	0.0	0.0	0.0	0.0	0.0	0.0	52	11	197	147	12
9	38	0.0	0.0	0.0	0.0	0.0	0.0	87	17	194	149	12
10	35	0.0	0.0	0.0	0.0	0.0	0.0	78	16	194	154	16
11	30	0.0	0.0	0.0	0.0	0.0	0.0	70	16	198	150	19
12	21	0.0	0.0	0.0	0.0	0.0	0.0	103	16	194	150	16
13	23	0.0	0.0	0.0	0.0	0.0	0.0	156	15	193	152	22
14	27	0.0	0.0	0.0	0.0	0.0	0.0	166	13	197	142	21
15	29	0.0	0.0	0.0	0.0	0.0	0.0	166	13	194	126	14
16	29	0.0	0.0	0.0	0.0	0.0	0.0	162	13	192	122	10
17	29	0.0	0.0	0.0	0.0	0.0	0.0	161	11	194	120	20
18	29	0.0	0.0	0.0	0.0	0.0	0.0	157	31	199	126	23
19	29	65	0.0	0.0	0.0	0.0	0.0	146	48	198	122	18
20	30	154	0.0	0.0	0.0	0.0	0.0	170	71	198	119	18
21	93	154	0.0	0.0	0.0	0.0	0.0	193	98	197	115	17
22	166	80	0.0	0.0	0.0	0.0	0.0	170	95	166	110	17
23	165	0.0	0.0	0.0	0.0	0.0	0.0	152	111	113	107	17
24	166	0.0	0.0	0.0	0.0	0.0	0.0	151	148	88	90	15
25	167	0.0	0.0	0.0	0.0	0.0	0.0	118	180	84	47	8.6
26	170	0.0	0.0	0.0	0.0	0.0	0.0	69	190	82	15	7.2
27	170	0.0	0.0	0.0	0.0	0.0	0.0	31	191	81	15	8.6
28	171	0.0	0.0	0.0	0.0	0.0	0.0	19	192	80	8.4	8.6
29	177	0.0	0.0	0.0	0.0	0.0	0.0	17	192	72	3.6	13
30	153	0.0	0.0	0.0	---	0.0	0.0	19	191	81	3.1	15
31	103	---	0.0	0.0	---	0.0	---	22	---	103	0.90	---
TOTAL	2303	498	0.0	0.0	0.0	0.0	0.0	2636.0	1934.7	5050	3336.00	415.3
MEAN	74.3	16.6	0.0	0.0	0.0	0.0	0.0	85.0	64.5	163	108	13.8
AC-FT	4570	988	0.0	0.0	0.0	0.0	0.0	5230	3840	10020	6620	824
MAX	177	154	0.0	0.0	0.0	0.0	0.0	193	192	199	168	23
MIN	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	72	0.90	0.0

CAL YR 1991 TOTAL 14171.09 MEAN 38.8 MAX 196 MIN 0.00 AC-FT 28110  
WTR YR 1992 TOTAL 16173.00 MEAN 44.2 MAX 199 MIN 0.00 AC-FT 32080

NO PEAK DATA AVAILABLE



## PLATTE RIVER BASIN

## BOULDER FEEDER CANAL TO LEFTHAND CREEK

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

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder at 4' Parshall Flume.

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--BFCLHCC02 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	22	0.0	19
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	7.1	17
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	8.1	20
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	5.7	15
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	2.1	11
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	11
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	12
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	12
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	25	0.0	8.7
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	20	0.0	4.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	16	0.0	1.1
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	12	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	14	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	16	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	14	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	16	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.7	0.0	18	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	3.3	7.5	0.0	17	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	1.1	9.3	0.0	16	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	13	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	13	5.5	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	11	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	12	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	14	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	15	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	15	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	22	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	23	0.0	22	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	25	0.0	21	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	22	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	6.6	101.6	60	437.9	201.5	131.2
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.22	3.28	2.00	14.1	6.50	4.37
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	13	202	119	869	400	260
MAX	0.0	0.0	0.0	0.0	0.0	0.0	3.3	16	25	25	22	20
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		674.8	MEAN	1.85	MAX	24	MIN	0.00	AC-FT	1340		
WTR YR 1991 TOTAL		938.8	MEAN	2.57	MAX	25	MIN	0.00	AC-FT	1860		

NO PEAK DATA AVAILABLE

PLATTE RIVER BASIN  
BOULDER FEEDER CANAL TO LEFTHAND CREEK

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

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder at 4' Parshall Flume.

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--BFCLHCC02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	7.5	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	10	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	12	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	12	12	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	11	12	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	11	12	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	12	10	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	14	9.7	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	14	9.3	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	12	7.3	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	8.1	6.2	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	8.5	3.5	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	9.5	3.1	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	10	3.5	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	10	3.9	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	10	10	5.5	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	16	11	4.9	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	17	12	4.2	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	20	12	1.4	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	12	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	10	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	5.2	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	6.2	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	254.9	92.4	264.7	181.8	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.22	3.08	8.54	5.86	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	506	183	525	361	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	22	16	12	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1991 TOTAL 938.8 MEAN 2.57 MAX 25 MIN 0.00 AC-FT 1860  
WTR YR 1992 TOTAL 793.8 MEAN 2.17 MAX 22 MIN 0.00 AC-FT 1570

NO PEAK DATA AVAILABLE



PLATTE RIVER BASIN  
 DRY CREEK TURNOUT NEAR NIWOT, CO

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

DRAINAGE AREA.--N/A

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

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

RATING TABLE.--DRYCRKCO2 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.0	6.2	3.2
2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	6.2	3.2
3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.2	6.2	3.2
4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.2	6.3	3.2
5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.9	6.3	3.2
6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	6.3	3.2
7	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.3	6.2	3.2
8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.5	6.3	3.2
9	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.7	6.2	3.2
10	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.0	6.3	3.2
11	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.3	3.2
12	2.2	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	6.3	6.3	3.2
13	2.1	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	6.3	6.2	3.4
14	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	6.2	6.2	3.4
15	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	6.0	6.3	3.2
16	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	6.3	6.3	3.2
17	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	6.4	6.3	3.2
18	1.9	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.89	6.6	6.3	3.4
19	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.0	6.6	6.2	3.4
20	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.3	6.4	6.2	3.4
21	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	6.0	6.3	6.2	3.2
22	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	6.0	6.2	6.2	3.2
23	2.1	0.0	0.0	0.0	0.0	0.0	0.0	4.2	6.2	6.2	6.2	2.8
24	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	6.3	6.2	6.2	3.0
25	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	6.3	6.2	5.3	4.7
26	2.2	0.0	0.0	0.0	0.0	0.0	0.0	4.0	6.2	6.2	3.5	6.3
27	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	6.2	6.0	3.6	6.4
28	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	6.2	6.2	3.5	6.3
29	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.2	6.2	3.5	6.3
30	2.0	0.0	0.0	0.0	---	0.0	0.0	2.2	6.2	6.2	3.2	6.2
31	1.1	---	0.0	0.0	---	0.0	---	2.1	---	6.2	3.2	---
TOTAL	64.9	0.0	0.0	0.0	0.0	0.0	0.0	71.9	87.59	184.8	175.7	113.4
MEAN	2.09	0.0	0.0	0.0	0.0	0.0	0.0	2.32	2.92	5.96	5.67	3.78
AC-FT	129	0.0	0.0	0.0	0.0	0.0	0.0	143	174	367	349	225
MAX	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.4	6.3	6.6	6.3	6.4
MIN	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.2	2.8

CAL YR 1991 TOTAL 610.59 MEAN 1.67 MAX 8.3 MIN 0.00 AC-FT 1210  
 WTR YR 1992 TOTAL 698.29 MEAN 1.91 MAX 6.6 MIN 0.00 AC-FT 1390

MAX DISCH 6.8 CFS AT 1420 28-SEP-1992 GH 0.77 FT. SHIFT 0.00 FT. MAX GH 0.77 FT. AT 1420

## PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--HFCCRCO01 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		0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1991 TOTAL		0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		

NO PEAK DATA AVAILABLE

## PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--HFCCRC001 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

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

CAL YR 1991 TOTAL	0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00
WTR YR 1992 TOTAL	0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00

NO PEAK DATA AVAILABLE

## PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder at 8' Parshall Flume.

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--SPSCFLCO02 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	37	28	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	42	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	24	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	9.6	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	17	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	18	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	5.7	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	5.8	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	11	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	26	18	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	23	16	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	5.6	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	207	953.4	144.3	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.90	30.8	4.65	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	411	1890	286	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70	76	42	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		1229.2	MEAN	3.37	MAX	72	MIN	0.00	AC-FT	2440		
WTR YR 1991 TOTAL		1304.7	MEAN	3.57	MAX	76	MIN	0.00	AC-FT	2590		

NO PEAK DATA AVAILABLE

## PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder at 8' Parshall Flume.

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--SPSCFLCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	3.9
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	3.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	30	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	43	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	43	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	45	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	42	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74	11	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	73	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	61	120	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	26	118	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	19	56	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	20	8.4	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	21	30	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	22	8.8	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	29	41	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	45	58	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	56	59	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	46	65	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	48	70	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	52	45	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	36	26	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	22	41	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	15	70	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	1.1	67	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	14	33	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	20	7.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	56	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	115	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	15	92	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	33	6.9	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	322.4	1371.1	1220.1	3.9
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	44.2	39.4	0.13
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	639	2720	2420	7.7
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	115	120	3.9
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0

CAL YR 1991 TOTAL	1304.7	MEAN	3.57	MAX	76	MIN	0.00	AC-FT	2590
WTR YR 1992 TOTAL	2917.5	MEAN	7.97	MAX	120	MIN	0.00	AC-FT	5790

NO PEAK DATA AVAILABLE









PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--SVSLT1CO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	6.4	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	10	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	20	10	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	20	10	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	20	5.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	20	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	10	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	115.6	354	41.4	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.85	11.4	1.34	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	229	702	82	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	20	10	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 1991 TOTAL 1022.2 MEAN 2.80 MAX 26 MIN 0.00 AC-FT 2030  
WTR YR 1992 TOTAL 511.0 MEAN 1.40 MAX 20 MIN 0.00 AC-FT 1010

MAX DISCH 25 CFS AT 0850 14-JUL-1992 GH 1.32 FT. SHIFT 0.00 FT. MAX GH 1.32 FT. AT 0850  
14-JUL-1992



PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--SVSLT2CO03 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	30	11
2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	31	11
3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	31	11
4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	38	11
5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	40	11
6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	39	11
7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	2.6	10	14	39	11
8	0.45	0.0	0.0	0.0	0.0	0.0	0.0	4.9	10	15	38	11
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	10	18	37	11
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	10	21	38	11
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	10	22	37	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	10	24	37	11
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	10	25	40	12
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	10	25	41	12
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	10	17	41	14
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	10	13	41	14
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	10	13	37	14
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	10	10	35	12
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	10	6.6	36	11
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	10	5.0	36	11
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	10	5.0	41	11
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	10	4.4	43	11
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	10	14	41	12
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	11	24	41	12
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	24	38	12
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	14	24	32	12
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	14	23	17	12
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	23	11	12
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	23	11	12
30	0.0	0.0	0.0	0.0	---	0.0	0.0	10	13	26	11	12
31	0.0	---	0.0	0.0	---	0.0	---	10	---	27	11	---
TOTAL	26.05	0.0	0.0	0.0	0.0	0.0	0.0	288.1	321	524.0	1039	350
MEAN	0.84	0.0	0.0	0.0	0.0	0.0	0.0	9.29	10.7	16.9	33.5	11.7
AC-FT	52	0.0	0.0	0.0	0.0	0.0	0.0	571	637	1040	2060	694
MAX	14	0.0	0.0	0.0	0.0	0.0	0.0	15	14	27	43	14
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	4.4	11	11

CAL YR 1991 TOTAL 2230.20 MEAN 6.11 MAX 39 MIN 0.00 AC-FT 4420  
WTR YR 1992 TOTAL 2548.15 MEAN 6.96 MAX 43 MIN 0.00 AC-FT 5050

MAX DISCH 47 CFS AT 1140 21-AUG-1992 GH 1.97 FT. SHIFT 0.00 FT. MAX GH 1.97 FT. AT 1140  
21-AUG-1992

## PLATTE RIVER BASIN

## ST. VRAIN SUPPLY CANAL TO HERTHA CREEK

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

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder at 4' Parshall Flume.

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--SVSHERCO01 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	20	0.0	20
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	20	0.0	20
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	20	0.0	20
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	20	0.0	20
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	20	0.0	20
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	20	0.0	20
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	20	0.0	20
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	20	0.0	20
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	20	0.0	20
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	20	0.0	20
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	20	0.0	20
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	20	0.0	20
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	18	0.0	20
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	20
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	11
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	10	11
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	10	0.0	10	11
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	17	0.0	10	11
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	16	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.5	33.2	263.4	52.8	468.7
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.82	1.11	8.50	1.70	15.6
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112	66	522	105	930
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	17	20	16	20
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4
CAL YR 1990 TOTAL		84.3	MEAN	0.23	MAX	10	MIN	0.00	AC-FT	167		
WTR YR 1991 TOTAL		874.6	MEAN	2.40	MAX	20	MIN	0.00	AC-FT	1730		

NO PEAK DATA AVAILABLE

## PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL TO HERTHA CREEK

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

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder at 4' Parshall Flume.

REMARKS.--Station maintained by NCWCD. Record developed by Fred Renner.

RATING TABLE.--SVSHERCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
2	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	10	0.0
3	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	10	0.0
4	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	10	0.0
5	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10	0.0
6	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10	0.0
7	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10	0.0
8	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10	0.0
9	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	10	0.0
10	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10	0.0
11	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	10	0.0
12	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	10	0.0
13	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	10	0.0
14	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	10	0.0
15	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	10	0.0
16	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	10	0.0
17	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10	0.0
18	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3.4	0.0
19	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0
20	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0
21	9.5	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	10	0.0	0.0
22	8.1	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	0.0	0.0
23	8.1	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	0.0	0.0
24	7.9	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	0.0	0.0
25	8.1	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	0.0	0.0
26	5.9	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	10	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.88	0.0	10	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	10	0.0	---
TOTAL	284.6	0.0	0.0	0.0	0.0	0.0	0.0	82.68	0.0	227.3	173.4	0.0
MEAN	9.18	0.0	0.0	0.0	0.0	0.0	0.0	2.67	0.0	7.33	5.59	0.0
AC-FT	565	0.0	0.0	0.0	0.0	0.0	0.0	164	0.0	451	344	0.0
MAX	12	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	10	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 1991 TOTAL	1159.2	MEAN	3.18	MAX	20	MIN	0.00	AC-FT	2300
WTR YR 1992 TOTAL	767.98	MEAN	2.10	MAX	12	MIN	0.00	AC-FT	1520

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. 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	70	72	59	65	58	97	19	87	32	86	82
2	74	76	68	60	62	55	93	18	62	35	83	75
3	68	72	67	60	62	56	92	17	52	34	80	87
4	64	71	64	59	61	81	89	16	56	36	79	87
5	67	79	63	61	61	103	86	16	61	35	80	85
6	62	79	63	59	61	80	85	62	67	36	92	73
7	67	78	65	64	62	72	83	53	59	45	93	76
8	68	78	65	67	61	73	63	52	41	59	164	81
9	66	79	65	66	59	66	53	66	89	61	183	76
10	66	87	65	64	60	103	51	43	47	57	180	61
11	62	82	66	59	59	92	50	32	39	65	187	51
12	65	78	67	59	57	95	48	25	33	78	197	46
13	58	79	65	60	56	109	42	22	30	76	202	47
14	59	174	66	60	54	123	44	21	27	73	192	49
15	59	203	66	46	55	132	44	27	99	78	195	47
16	59	214	64	82	57	135	51	32	32	98	120	46
17	59	207	65	74	55	135	62	34	20	101	110	44
18	58	129	64	60	54	125	49	33	19	95	145	41
19	60	102	63	56	53	128	43	34	14	90	130	43
20	60	83	64	62	53	116	41	41	27	159	116	46
21	63	77	62	65	54	108	40	43	30	150	117	50
22	64	73	63	66	55	102	39	40	19	115	119	40
23	65	70	62	64	57	96	40	104	18	115	114	40
24	67	70	63	64	54	93	37	138	23	111	249	40
25	68	71	63	63	54	91	36	88	26	116	338	39
26	70	69	63	61	54	87	37	70	33	148	192	36
27	70	72	62	63	56	86	32	63	38	86	124	32
28	64	71	63	61	54	140	26	57	38	94	96	31
29	65	69	64	61	55	131	25	53	35	106	72	33
30	67	69	63	61	---	111	24	47	32	92	65	29
31	69	---	63	63	---	102	---	64	---	92	80	---
TOTAL	2014	2831	1998	1929	1660	3084	1602	1430	1253	2568	4280	1613
MEAN	65.0	94.4	64.5	62.2	57.2	99.5	53.4	46.1	41.8	82.8	138	53.8
AC-FT	3990	5620	3960	3830	3290	6120	3180	2840	2490	5090	8490	3200
MAX	81	214	72	82	65	140	97	138	99	159	338	87
MIN	58	69	62	46	53	55	24	16	14	32	65	29

CAL YR 1991 TOTAL	23971.52	MEAN	65.7	MAX	582	MIN	0.92	AC-FT	47550
WTR YR 1992 TOTAL	26262	MEAN	71.8	MAX	338	MIN	14	AC-FT	52090

MAX DISCH	405 CFS	AT 0100	25-AUG-1992	GH	2.87 FT.	SHIFT	-0.02 FT.	MAX GH	2.87 FT.	AT 0100
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PLATTE RIVER BASIN  
MUNROE CANAL NEAR FORT COLLINS, CO

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

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

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

**REMARKS.**--Record is complete and reliable. Water run May 5-Sep. 24, 1992. Station maintained and records developed by George E. Sievers.

**RATING TABLE.**--MUNCANCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	107	47	38
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	109	49	38
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	108	50	38
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	106	51	39
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131	58	67	51	39
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	59	49	50	39
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	59	50	50	40
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194	59	97	50	41
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	208	60	117	50	39
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	212	60	116	51	38
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	208	60	138	51	39
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	216	60	149	51	38
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	216	60	150	51	38
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	217	59	147	50	38
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	204	59	146	50	38
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	58	147	50	38
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	59	148	50	39
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	59	147	50	41
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	171	59	148	49	42
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158	61	115	49	42
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	157	61	99	49	42
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130	60	86	49	41
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	60	78	50	41
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	93	80	50	13
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	108	80	49	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65	110	80	42	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	106	80	39	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	107	59	39	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	110	49	39	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	59	108	49	38	0.0
31	0.0	---	0.0	0.0	---	0.0	---	58	---	48	38	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4054	2108	3149	1482	919
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131	70.3	102	47.8	30.6
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8040	4180	6250	2940	1820
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	217	110	150	51	42
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	48	38	0.0

CAL YR 1991 TOTAL	10630.0	MEAN	29.1	MAX	212	MIN	0.00	AC-FT	21080
WTR YR 1992 TOTAL	11712	MEAN	32.0	MAX	217	MIN	0.00	AC-FT	23230

MAX DISCH 227 CFS AT 0630 15-MAY-1992 GH 2.99 FT. SHIFT 0.00 FT. MAX GH 2.99 FT. AT 0630  
15-MAY-1992



## PLATTE RIVER BASIN

06752500 CACHE LA POUFRE RIVER NEAR GREELEY, CO

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

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

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

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

**RATING TABLE.**--CLAGRECO25 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	88	83	91	101	128	164	35	64	223	40	71
2	70	86	88	90	99	138	164	27	70	112	41	74
3	69	83	90	93	102	129	150	22	64	90	47	71
4	71	90	92	95	103	197	134	83	52	70	51	77
5	73	90	93	85	101	248	119	31	44	50	57	78
6	65	91	93	93	101	187	127	21	31	40	56	69
7	73	87	90	94	98	163	127	24	37	26	61	64
8	72	86	87	80	95	181	135	23	34	26	45	71
9	77	84	89	94	91	192	135	25	35	27	41	76
10	82	88	94	91	93	213	137	21	40	26	50	75
11	81	90	96	90	94	206	129	25	35	26	55	86
12	81	91	97	90	93	215	125	17	36	28	56	80
13	77	90	94	88	96	222	128	21	33	29	62	77
14	90	91	87	94	110	227	70	28	31	39	60	69
15	92	92	90	77	135	214	50	31	208	42	53	63
16	93	99	91	88	126	207	90	25	150	41	44	58
17	90	114	95	91	129	204	76	31	90	44	46	57
18	83	109	92	92	129	199	54	23	70	43	64	58
19	78	131	96	88	128	205	45	23	60	40	62	60
20	77	108	92	92	128	198	39	22	48	94	56	52
21	73	107	88	90	136	188	34	18	44	205	54	58
22	69	106	84	93	132	184	38	24	42	128	62	63
23	73	101	89	94	132	183	43	21	33	118	72	63
24	82	98	86	99	137	179	42	17	59	104	302	64
25	86	100	80	99	134	171	34	19	570	88	342	67
26	83	100	88	101	131	170	29	22	758	137	187	64
27	84	99	94	101	127	170	29	37	623	107	151	64
28	88	93	90	100	131	242	29	71	336	90	110	66
29	92	93	87	102	132	207	28	96	240	65	96	60
30	90	83	90	103	---	177	28	49	264	40	85	56
31	87	---	90	104	---	168	---	88	---	41	80	---
TOTAL	2467	2868	2795	2882	3344	5912	2532	1020	4201	2239	2588	2011
MEAN	79.6	95.6	90.2	93.0	115	191	84.4	32.9	140	72.2	83.5	67.0
AC-FT	4890	5690	5540	5720	6630	11730	5020	2020	8330	4440	5130	3990
MAX	93	131	97	104	137	248	164	96	758	223	342	86
MIN	65	83	80	77	91	128	28	17	31	26	40	52

CAL YR 1991 TOTAL 41964 MEAN 115 MAX 1850 MIN 12 AC-FT 83240  
WTR YR 1992 TOTAL 34859 MEAN 95.2 MAX 758 MIN 17 AC-FT 69140

MAX DISCH 967 CFS AT 0100 26-JUN-1992 GH 5.46 FT. SHIFT -0.49 FT. MAX GH 5.46 FT. AT 0100  
26-JUN-1992



## PLATTE RIVER BASIN

06754000 SOUTH PLATTE RIVER NEAR KERSEY, CO

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

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

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

**REMARKS.**--The DCP is the primary record. Chart values were used Oct. 1, 19-22, 27, 1991; Jan. 4-5, 27-31; Feb. 1-9; Apr. 25-29; Aug. 3-4, 15-18; Sep. 2-3, 12-15, 18-20, 1992. This was done to avoid datum corrections needed for the DCP record. Record is complete and reliable, except for Oct. 2-8; Nov. 3-8, 1991 when the manometer orifice had a gas leak. Record is fair, because of frequent pen corrections. Station maintained and records developed by George Sievers.

**RATING TABLE.**--PLAKERCO21 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	628	842	900	781	889	737	1550	389	1010	886	314	888
2	670	809	887	757	889	746	1500	376	1790	705	310	823
3	610	800	915	763	871	734	1350	307	1260	744	305	726
4	600	790	892	790	871	872	1320	310	853	580	325	663
5	560	780	903	758	880	2420	1290	236	808	470	386	609
6	540	780	901	772	853	1730	1350	208	788	411	370	565
7	590	780	898	836	835	1210	1300	210	823	276	392	486
8	640	780	889	809	817	1120	1220	209	889	225	394	454
9	646	787	879	906	799	1340	1080	239	1270	217	425	451
10	664	818	870	941	816	1980	988	297	1680	217	410	433
11	633	814	880	969	838	1990	864	438	1130	243	453	460
12	664	802	872	1020	811	1940	796	459	958	289	473	537
13	691	795	847	987	814	2040	780	383	1030	347	544	558
14	671	857	828	953	831	2130	880	339	953	611	582	564
15	690	971	829	872	850	2070	1070	288	1190	401	580	544
16	708	991	833	881	818	1920	982	237	1070	329	572	497
17	720	1040	840	937	806	1800	1230	267	790	607	509	480
18	681	1180	825	947	805	1780	1380	291	598	632	558	495
19	703	1330	843	901	810	1720	1220	336	444	510	576	523
20	718	1360	836	889	799	1680	1160	287	340	513	418	523
21	718	1260	822	927	809	1570	1160	265	436	827	363	474
22	718	1240	815	933	817	1410	1130	365	442	956	450	472
23	705	1200	816	921	798	1480	993	621	427	912	462	472
24	704	1070	820	862	796	1320	815	729	420	764	1230	476
25	718	1020	798	867	798	1180	730	613	1320	817	7090	460
26	733	993	786	851	778	1170	693	896	2160	943	4970	452
27	724	985	776	903	753	1060	642	997	2600	853	2350	454
28	686	980	795	925	732	1270	607	1180	1840	734	1540	462
29	744	959	794	916	746	3060	502	1060	1390	443	1330	443
30	854	909	790	889	---	2070	468	883	1190	332	1110	462
31	809	---	792	889	---	1560	---	864	---	294	973	---
TOTAL	21140	28722	26171	27352	23729	49109	31050	14579	31899	17088	30764	15906
MEAN	682	957	844	882	818	1584	1035	470	1063	551	992	530
AC-FT	41930	56970	51910	54250	47070	97410	61590	28920	63270	33890	61020	31550
MAX	854	1360	915	1020	889	3060	1550	1180	2600	956	7090	888
MIN	540	780	776	757	732	734	468	208	340	217	305	433

CAL YR 1991 TOTAL 299792 MEAN 821 MAX 9090 MIN 121 AC-FT 594600  
WTR YR 1992 TOTAL 317509 MEAN 868 MAX 7090 MIN 208 AC-FT 629800

MAX DISCH 10043 CFS AT 2015 25-AUG-1992 GH 8.49 FT. SHIFT 0.00 FT. MAX GH 8.49 FT. AT 2015



## PLATTE RIVER BASIN

06759910 SOUTH PLATTE RIVER AT BALZAC, CO

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

**DRAINAGE AREA.**--16,852 mi<sup>2</sup>.

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

**REMARKS.**--Natural flow of stream affected by transmountain and transbasin diversions, storage reservoirs, ground-water withdrawals and diversions above station for irrigation. The DCP is the primary source of record. The chart was used Oct. 6, 27, 1991; Apr. 5; Aug. 6, 1992. Record is complete and reliable, except for the following periods: Nov. 10-12, 1991; May 24-26, 28-29; Jun. 1-6, 13, 25-27; Jul. 5-7, 10-11, 21-24; Aug. 14-16, 1992 when inlets were plugged. Record good for period of good record , and fair for the estimated periods of plugged inlets. Station maintained and records developed by George E. Sievers.

**RATING TABLE.**--PLALALCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	299	42	376	874	693	1310	194	420	131	152	767
2	141	193	142	404	813	687	1250	203	360	181	136	634
3	141	295	226	433	607	669	1230	239	320	178	144	519
4	198	307	159	454	587	624	1120	240	340	199	185	400
5	274	268	88	487	634	571	987	220	270	230	197	341
6	294	244	47	427	649	700	1040	219	320	170	206	382
7	314	227	44	423	644	1240	1070	207	385	120	214	473
8	150	118	42	533	596	950	1070	201	421	95	208	450
9	61	28	39	675	554	930	716	201	466	90	185	406
10	53	24	30	780	539	985	440	195	501	140	150	326
11	51	20	23	860	531	1180	384	208	515	160	164	317
12	45	16	23	950	696	1580	321	284	412	169	172	302
13	43	14	29	990	925	1690	250	346	360	165	199	307
14	47	14	62	970	910	1760	194	313	417	149	220	311
15	49	14	66	980	880	1690	174	290	591	150	260	336
16	47	15	71	978	832	1710	213	279	721	156	290	363
17	60	21	39	1010	824	1610	204	271	568	121	329	379
18	55	24	35	998	797	1520	222	257	432	111	355	370
19	47	28	35	984	761	1510	318	246	283	139	301	374
20	43	44	36	939	748	1460	324	248	214	177	291	365
21	50	71	49	906	719	1440	306	254	266	220	262	374
22	51	91	46	944	728	1320	278	287	274	290	223	408
23	53	74	44	918	745	1250	207	303	267	300	234	418
24	53	70	40	876	742	1290	131	330	253	230	374	426
25	62	44	91	889	739	1290	88	410	200	187	835	401
26	66	31	197	884	747	1190	81	480	180	217	1730	400
27	72	30	224	901	747	1090	76	502	300	376	3630	397
28	77	31	229	905	755	1030	92	610	300	417	2350	426
29	98	31	233	859	739	978	155	740	271	228	1460	437
30	139	29	251	822	---	1600	185	619	141	184	1080	452
31	208	---	305	862	---	1890	---	504	---	177	896	---
TOTAL	3203	2715	2987	24417	21062	38127	14436	9900	10768	5857	17432	12261
MEAN	103	90.5	96.4	788	726	1230	481	319	359	189	562	409
AC-FT	6350	5390	5920	48430	41780	75620	28630	19640	21360	11620	34580	24320
MAX	314	307	305	1010	925	1890	1310	740	721	417	3630	767
MIN	43	14	23	376	531	571	76	194	141	90	136	302

CAL YR 1991 TOTAL 126841 MEAN 348 MAX 3200 MIN 14 AC-FT 251600  
WTR YR 1992 TOTAL 163165 MEAN 446 MAX 3630 MIN 14 AC-FT 323600

MAX DISCH 4086 CFS AT 0900 27-AUG-1992 GH 5.52 FT. SHIFT -0.28 FT. MAX GH 5.52 FT. AT 0900

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

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

**REMARKS.**--Gage-height record is complete and reliable except for the following periods: Jun. 15-17, 1992 when DCP and chart record was missing some or all values; Jul. 1-9, 1992 when orifice was plugged; Jan. 12-16; Jul. 25, 28-30; Aug. 1-12, 18-28, 1992 when gage-heights were not representative of average for day due to manometer slow and erratic response. Chart gage-heights were used for the following periods: Oct. 3-11, 21-22, 29-31; Nov. 1-4, 7; Dec. 5-6, 1991; Jan. 4-7, 31; Feb. 3-4, 6, 8-10, 12, 14, 17-29; Mar. 1-7, 10-13, 16-20, 24-26, 31; Apr. 2-7, 10, 16-18, 23, 26-30; May 1, 4, 8; Jun. 1-5, 12, 15-30; Jul. 15, 21, 31; Aug. 13, 29-31; Sep. 1-30, 1992. Record is fair except for period of no gage-height record and special note record which is poor. This record is part of combined flow with channel Nos. 3 and 4. Station maintained and records developed by Fred Renner.

**RATING TABLE.**--PLAJURCO16 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169	95	73	337	1200	924	510	154	128	835	84	1600
2	195	85	82	338	1230	915	897	134	176	745	89	1290
3	204	100	74	356	1240	924	1110	117	161	670	73	1100
4	231	124	125	370	1140	960	1370	108	153	610	73	935
5	223	136	170	410	1110	1050	1340	104	148	560	71	818
6	229	180	230	466	1040	933	1210	83	136	510	72	709
7	235	175	235	582	889	960	1150	61	125	475	109	663
8	228	163	206	600	822	999	1190	54	114	430	124	586
9	219	138	198	596	790	1280	1290	47	135	370	120	552
10	215	121	224	623	758	1270	1230	38	118	298	97	512
11	210	113	248	744	751	1320	1120	32	101	184	84	514
12	181	110	255	938	752	1330	840	28	100	111	86	484
13	177	108	256	967	759	1530	716	27	134	110	83	443
14	190	104	267	853	790	1740	640	27	182	100	63	432
15	184	106	269	758	942	1730	616	27	446	77	70	442
16	171	103	284	334	982	1700	569	27	1330	109	74	454
17	148	107	288	310	1040	1670	502	27	1470	125	117	491
18	125	108	298	285	980	1770	461	25	801	86	175	533
19	112	104	310	429	897	1780	416	23	650	77	290	533
20	109	95	310	774	854	1820	383	23	598	67	290	521
21	104	92	308	779	942	1820	376	23	585	63	240	521
22	104	75	280	900	1020	1700	386	27	513	59	200	504
23	98	71	284	941	1070	1510	410	30	400	70	175	507
24	95	70	277	1020	1170	1320	448	33	269	269	215	515
25	91	75	295	1120	1170	1110	384	44	251	234	380	517
26	91	77	302	1350	1170	822	321	41	255	196	530	510
27	96	79	298	1430	1060	629	284	41	1160	165	710	510
28	100	79	327	1390	1020	605	262	43	1100	151	1010	503
29	97	80	346	1410	970	565	233	46	1040	135	2430	493
30	104	80	332	1410	---	504	181	48	960	86	2580	477
31	95	---	339	1360	---	460	---	53	---	68	2000	---
TOTAL	4830	3153	7790	24180	28558	37650	20845	1595	13739	8045	12714	18669
MEAN	156	105	251	780	985	1215	695	51.5	458	260	410	622
AC-FT	9580	6250	15450	47960	56640	74680	41350	3160	27250	15960	25220	37030
MAX	235	180	346	1430	1240	1820	1370	154	1470	835	2580	1600
MIN	91	70	73	285	751	460	181	23	100	59	63	432

CAL YR 1991 TOTAL 119313 MEAN 327 MAX 1750 MIN 21 AC-FT 236700  
WTR YR 1992 TOTAL 181768 MEAN 497 MAX 2580 MIN 23 AC-FT 360500

MAX DISCH 2870 CFS AT 1900 29-AUG-1992 GH 6.01 FT. SHIFT 0.14 FT. MAX GH 6.01 FT. AT 1900  
29-AUG-1992

## PLATTE RIVER BASIN

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

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

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

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

**REMARKS.**--Gage-height record is complete and reliable. The record at this site is difficult. Stage-shift curves are needed because of the highly fluctuating stage. This is the result of sudden rainstorms, return flows which fill the channel with mud and silt, run-off and effect the main channels (Nos. 1 and 2) have on channel four. The stage-discharge relationship was affected by ice Jan. 19-22, 1992. Chart record was used for the following periods: Oct. 4-7, 11, 28-31; Nov. 2-3, 1991; Jan. 4-6; Mar. 14; Apr. 2; Jun. 4; Jul. 7, 15, 21; Sep. 18-20, 1992. Record is good except for period of stage-fluctuation and ice affected period which is fair. Station maintained and records developed by Fred Renner.

**RATING TABLE.**--PLAJULCO20 USED FROM 01-OCT-1991 TO 18-JAN-1992  
PLAJULCO19 USED FROM 19-JAN-1992 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.31	0.40	0.37	0.76	45	20	12	0.64	1.3	21	19	77
2	0.32	0.15	0.38	0.44	37	20	28	0.43	0.51	17	18	44
3	0.36	0.15	0.38	0.30	34	20	34	0.35	0.47	11	25	33
4	0.90	0.28	0.30	0.45	32	23	47	0.30	0.45	6.4	19	22
5	0.45	0.50	0.33	0.45	26	25	53	0.31	0.50	5.4	18	14
6	0.52	0.32	0.39	0.60	20	21	50	0.33	0.56	3.9	18	7.6
7	0.60	0.32	0.46	3.7	16	16	48	0.44	0.76	3.0	22	4.4
8	0.60	0.41	0.45	7.0	15	16	47	0.49	0.54	2.5	16	2.7
9	0.61	0.42	0.32	2.8	14	43	50	0.79	0.50	3.3	14	1.7
10	0.62	0.34	0.38	3.6	13	43	45	0.98	0.75	12	15	4.6
11	0.45	0.52	0.41	4.2	12	45	35	0.65	0.92	14	18	13
12	0.43	0.46	0.50	8.2	12	50	20	0.47	0.91	16	20	7.6
13	0.51	0.46	0.51	12	11	63	13	0.52	1.0	14	19	3.5
14	0.50	0.50	0.47	15	13	86	10	0.53	1.6	14	14	6.2
15	0.46	0.46	0.47	17	21	95	7.7	0.46	53	14	8.2	3.6
16	0.27	0.90	0.47	1.7	24	101	3.9	0.52	72	18	10	4.2
17	0.26	1.2	0.51	1.1	24	102	1.9	0.45	46	16	19	1.8
18	0.22	0.54	0.51	0.92	22	103	1.4	0.45	12	17	5.9	1.4
19	0.23	0.46	0.55	4.2	20	99	1.2	0.46	8.5	18	3.4	1.5
20	0.22	0.45	0.55	10	19	95	1.1	0.43	6.9	20	0.43	1.8
21	0.20	0.46	0.60	20	17	92	1.1	0.61	6.5	24	1.4	1.6
22	0.19	0.50	0.55	30	16	83	1.0	0.76	5.3	22	3.0	0.90
23	0.18	0.50	0.55	37	18	66	1.1	1.0	3.9	31	3.0	1.0
24	0.17	0.47	0.55	40	20	56	1.1	0.70	1.8	27	8.1	1.2
25	0.16	0.38	0.55	45	21	45	0.97	1.4	2.7	3.6	3.1	1.0
26	0.18	0.40	0.60	57	21	32	0.82	0.44	22	3.0	4.9	1.5
27	0.16	0.45	0.60	57	20	21	0.75	0.43	115	6.0	14	1.5
28	0.15	0.50	0.61	52	20	17	0.68	0.51	70	17	34	1.4
29	0.19	0.60	0.67	50	19	13	0.75	0.39	32	17	143	1.9
30	0.30	0.46	0.67	52	---	11	0.67	0.38	26	19	165	1.1
31	0.30	---	0.70	54	---	7.6	---	1.3	---	17	105	---
TOTAL	11.03	13.95	15.34	588.42	602	1529.6	518.15	17.90	494.36	433.1	786.43	268.70
MEAN	0.36	0.47	0.49	19.0	20.8	49.3	17.3	0.58	16.5	14.0	25.4	8.96
AC-FT	22	28	30	1170	1190	3030	1030	36	981	859	1560	533
MAX	0.90	1.2	0.70	57	45	103	53	1.4	115	31	165	77
MIN	0.15	0.15	0.30	0.30	11	7.6	0.67	0.30	0.45	2.5	0.43	0.90

CAL YR 1991 TOTAL 5657.94 MEAN 15.5 MAX 132 MIN 0.00 AC-FT 11220  
WTR YR 1992 TOTAL 5278.99 MEAN 14.4 MAX 165 MIN 0.15 AC-FT 10470

MAX DISCH 366 CFS AT 0255 27-JUN-1992 GH 3.81 FT. SHIFT -0.27 FT. MAX GH 3.81 FT. AT 0255  
27-JUN-1992

## PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)

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

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

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

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

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169	95	73	338	1240	944	522	155	129	856	103	1680
2	195	85	82	338	1270	935	925	134	177	762	107	1330
3	204	100	74	356	1270	944	1140	117	161	681	98	1130
4	232	124	125	370	1170	983	1420	108	153	616	92	957
5	223	136	170	410	1140	1080	1390	104	149	565	89	832
6	230	180	230	467	1060	954	1260	83	137	514	90	717
7	236	175	235	586	905	976	1200	61	126	478	131	667
8	229	163	206	607	837	1020	1240	54	115	432	140	589
9	220	138	198	599	804	1320	1340	48	136	373	134	554
10	216	121	224	627	771	1310	1280	39	119	310	112	517
11	210	114	248	748	763	1360	1160	33	102	198	102	527
12	181	110	255	946	764	1380	860	28	101	127	106	492
13	178	108	257	979	770	1590	729	28	135	124	102	446
14	190	104	267	868	803	1830	650	28	184	114	77	438
15	184	106	269	775	963	1820	624	27	499	91	78	446
16	171	104	284	336	1010	1800	573	28	1400	127	84	458
17	148	108	289	311	1060	1770	504	27	1520	141	136	493
18	125	109	299	286	1000	1870	462	25	813	103	181	534
19	112	104	311	433	917	1880	417	23	658	95	293	534
20	109	95	311	784	873	1920	384	23	605	87	290	523
21	104	92	309	799	959	1910	377	24	592	87	241	523
22	104	76	281	930	1040	1780	387	28	518	81	203	505
23	98	71	285	978	1090	1580	411	31	404	101	178	508
24	95	70	278	1060	1190	1380	449	34	271	296	223	516
25	91	75	296	1160	1190	1160	385	45	254	238	383	518
26	91	77	303	1410	1190	854	322	41	277	199	535	512
27	96	79	299	1490	1080	650	285	41	1280	171	724	512
28	100	80	328	1440	1040	622	263	44	1170	168	1040	504
29	97	81	347	1460	989	578	234	46	1070	152	2570	495
30	104	80	333	1460	---	515	182	48	986	105	2740	478
31	95	---	340	1410	---	468	---	54	---	85	2100	---
TOTAL	4837	3160	7806	24761	29158	39183	21375	1609	14241	8477	13482	18935
MEAN	156	105	252	799	1005	1264	713	51.9	475	273	435	631
AC-FT	9590	6270	15480	49110	57830	77720	42400	3190	28250	16810	26740	37560
MAX	236	180	347	1490	1270	1920	1420	155	1520	856	2740	1680
MIN	91	70	73	286	763	468	182	23	101	81	77	438
CAL YR 1991 TOTAL		124948	MEAN	342	MAX	1880	MIN	31	AC-FT	247800		
WTR YR 1992 TOTAL		187024	MEAN	511	MAX	2740	MIN	23	AC-FT	371000		

NO PEAK DATA AVAILABLE



## 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.--BORDITCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.0	0.51	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.0	0.51	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	2.0	0.39	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	2.0	0.39	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	2.0	0.36	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	1.0	0.36	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	1.7	0.36	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.5	0.36	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.5	0.36	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.5	0.36	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.5	0.36	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.5	0.29	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.1	0.29	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.1	0.29	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.94	0.29	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.94	0.29	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.94	0.15	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.94	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.94	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.94	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	1.9	0.67	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.0	0.67	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.0	0.67	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.0	0.67	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.0	0.67	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.0	0.67	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.0	0.51	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.0	0.51	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.0	0.51	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.0	0.51	0.0	0.0
31	0.0	---	0.0	0.0	---	---	---	0.75	---	0.51	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.72	45.65	34.61	5.92	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	1.52	1.12	0.19	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	91	69	12	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.0	2.0	0.51	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.51	0.0	0.0

CAL YR 1991 TOTAL	41.31	MEAN	0.11	MAX	3.8	MIN	0.00	AC-FT	82
WTR YR 1992 TOTAL	93.90	MEAN	0.26	MAX	2.0	MIN	0.00	AC-FT	186

NO PEAK DATA AVAILABLE







## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09021500 BERTHOUD PASS DITCH AT BERTHOUD PASS, CO

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

**GAGE**--A-35 graphic water-stage recorder mounted on 30" cutthroat flume.

**REMARKS**--The record is considered good except for the periods of trash affect on May 23-27; June 3-8; July 6-8, 29-31; Aug.1-5, 12-19, 26-31; Sep. 1-2, 13-16, 1992. The record is good except for periods of trash affect which is fair. Station maintained by City of Northglenn and records developed by Rodger L. Burcher.

**RATING TABLE**--BERDITCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	8.5	3.1	0.86
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	8.7	3.0	0.73
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	7.9	2.9	0.68
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.1	2.8	0.63
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	6.8	2.6	0.59
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	7.0	2.7	0.59
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	7.5	2.6	0.49
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.9	2.4	0.49
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.3	2.4	0.54
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.8	2.8	0.54
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	6.7	2.6	0.49
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.4	2.3	0.49
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	6.3	2.1	0.49
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	5.7	1.8	0.54
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	5.5	1.7	0.54
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	4.8	1.5	0.54
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	4.4	1.4	0.73
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	4.1	1.1	0.73
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	4.2	0.99	0.68
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	4.5	0.99	0.44
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70	9.8	4.0	0.99	0.44
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	11	3.9	1.2	0.35
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	11	3.7	1.5	0.30
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	11	4.1	1.9	0.30
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	11	4.0	2.0	0.39
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	11	3.8	1.6	0.35
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	9.7	3.6	1.6	0.30
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	8.8	3.6	1.4	0.30
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	8.3	3.6	1.4	0.30
30	0.0	0.0	0.0	0.0	---	0.0	0.0	4.2	8.1	3.4	1.2	0.25
31	0.0	---	0.0	0.0	---	0.0	---	3.6	---	3.2	0.99	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.30	210.8	169.0	59.54	15.07
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.75	7.03	5.45	1.92	0.50
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108	418	335	118	30
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	11	8.7	3.1	0.86
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.2	0.99	0.25

CAL YR 1991 TOTAL 307.74 MEAN 0.84 MAX 9.0 MIN 0.00 AC-FT 610  
WTR YR 1992 TOTAL 508.71 MEAN 1.39 MAX 11 MIN 0.00 AC-FT 1010

MAX DISCH 13 CFS AT 0800 24-JUN-1992 GH 1.27 FT. SHIFT -0.02 FT. MAX GH 1.27 FT. AT 0800  
24-JUN-1992

## 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.**--No water diverted in 1992. Station maintained by Denver Water Board and records developed by Rodger L. Burcher.

**RATING TABLE.**--APGTUNCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1991 TOTAL	1618.89	MEAN	4.44	MAX	109	MIN	0.00	AC-FT	3210			
WTR YR 1992 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

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for the following period Dec. 1-5, 1991 when the float was frozen in the well. Graphic chart record was used on Oct. 10-11, 28-31; Nov. 1, 3, 29, 1991; Jan. 4-6; Feb. 25; Mar. 2, 4, 17, 23, 28; Apr. 15, 22; Jul. 7, 15-16; Aug. 11-19; Sep. 18-21, 1992. Record is good. Records developed by Fred H. Renner.

**RATING TABLE.**--MOFTUNCO02 USED FROM 09-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	0.0	14	17	11	7.8	6.8	6.9	142	316	163	93	78	
2	0.0	14	17	10	8.0	6.7	6.6	147	298	173	98	78	
3	0.0	11	17	10	8.0	6.7	6.9	151	307	161	97	69	
4	0.0	14	17	10	7.7	6.7	7.6	159	314	137	96	67	
5	0.0	17	17	9.8	7.6	6.6	8.2	161	305	135	92	70	
6	0.0	22	17	9.5	7.5	6.7	8.1	174	281	139	94	66	
7	0.0	21	17	10	7.5	6.4	8.6	198	245	142	92	63	
8	0.0	21	16	9.9	7.5	6.6	9.0	196	224	140	89	62	
9	7.8	22	15	9.8	7.5	6.3	9.3	216	208	132	86	60	
10	16	23	15	9.5	7.6	6.6	12	209	174	138	93	47	
11	20	22	16	9.6	7.5	6.6	15	189	157	170	91	30	
12	19	20	16	9.8	7.5	6.7	15	198	149	171	88	25	
13	18	20	15	9.6	7.3	6.5	21	210	143	166	84	26	
14	18	21	15	9.3	7.5	6.3	24	233	144	145	80	24	
15	19	19	15	9.1	7.8	6.4	26	238	142	142	74	28	
16	18	20	14	8.7	7.5	6.3	28	241	156	139	81	35	
17	17	19	14	8.7	7.9	6.3	25	257	169	136	92	36	
18	17	19	14	8.6	7.6	6.5	28	290	189	127	77	52	
19	17	17	14	8.3	7.3	6.3	24	327	215	135	72	42	
20	18	16	14	8.3	7.6	6.1	21	402	173	160	70	41	
21	18	19	13	8.2	7.6	6.2	22	434	119	86	69	39	
22	17	16	13	8.3	7.6	6.6	22	431	106	1.7	71	32	
23	18	15	13	8.7	7.9	6.3	21	434	95	1.3	76	1.3	
24	19	17	13	9.3	7.6	6.1	20	439	148	32	117	0.0	
25	19	19	12	9.0	7.1	5.8	23	437	163	122	96	0.0	
26	18	19	12	8.5	7.7	5.7	28	440	239	123	87	0.0	
27	20	18	12	8.1	7.2	6.0	38	452	243	108	77	0.0	
28	17	18	11	8.2	6.6	5.9	63	416	204	92	73	0.0	
29	11	18	11	8.7	6.7	6.5	90	373	169	88	70	0.0	
30	14	17	11	8.1	---	6.2	120	359	161	87	69	0.0	
31	15	---	11	7.9	---	6.2	---	335	---	90	73	---	
TOTAL	390.8	548	444	282.5	218.2	197.6	757.2	8888	5956	3782.0	2617	1071.3	
MEAN	12.6	18.3	14.3	9.11	7.52	6.37	25.2	287	199	122	84.4	35.7	
AC-FT	775	1090	881	560	433	392	1500	17630	11810	7500	5190	2120	
MAX	20	23	17	11	8.0	6.8	120	452	316	173	117	78	
MIN	0.0	11	11	7.9	6.6	5.7	6.6	142	95	1.3	69	0.0	
CAL YR 1991 TOTAL		31625.6	MEAN	86.6	MAX	697	MIN	0.00	AC-FT	62730			
WTR YR 1992 TOTAL		25152.6	MEAN	68.7	MAX	452	MIN	0.00	AC-FT	49890			
MAX DISCH		506 CFS	AT 2000	23-MAY-1992	GH	3.82	FT.	SHIFT	0.06	FT.	MAX	GH	
23-MAY-1992												3.82	FT. AT 2000

## 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. Hydrographer totals for the 1992 Water Year were calculated at 216 A.F.; City totals were 212.3 A.F.

**RATING TABLE.**--EURDITCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.10	0.20
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.10	0.20
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.10	0.20
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.20	0.20
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.20	0.20
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.20	0.20
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.20	0.20
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.20	0.20
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.20	0.20
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.20	0.20
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.20	0.20
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.20	0.20
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.20	0.20
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.20
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.20
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.20
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.20
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.20	0.20
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.20	0.20
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.20	0.20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.03	0.20	0.20
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.20	0.20
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.20	0.20	0.20
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.50	0.20	0.20
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.80	0.20	0.20
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.70	0.20	0.20
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.20	0.20	0.20
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.10	0.20	0.20
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.10	0.20	0.20
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.4	0.10	0.20	0.20
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.10	0.20	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.2	46.73	5.90	6.00
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.67	1.51	0.19	0.20
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	93	12	12
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	5.8	0.20	0.20
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.20
CAL YR 1991 TOTAL		18.60	MEAN	0.05	MAX	0.25	MIN	0.00	AC-FT	37		
WTR YR 1992 TOTAL		108.83	MEAN	0.30	MAX	6.5	MIN	0.00	AC-FT	216		

NO PEAK DATA AVAILABLE







## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06745500 CAMERON PASS DITCH AT CAMERON PASS, CO

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

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

**REMARKS.**--Record is complete and reliable. Water was run Jun. 4-Jul.14, 1992. Jun. 4-5, 7, 1992 were estimated due to pen not working. Records developed by George E. Sievers.

**RATING TABLE.**--CAPDCPC001 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.93	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.88	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.88	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.99	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.93	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.77	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.66	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.66	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.71	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.56	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.27	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.9	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.15	12.84	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.77	0.41	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	25	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.8	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1991 TOTAL	0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00
WTR YR 1992 TOTAL	65.99	MEAN	0.18	MAX	3.1	MIN	0.00	AC-FT	131

MAX DISCH 4.4 CFS AT 2230 25-JUN-1992 GH 0.68 FT. SHIFT 0.00 FT. MAX GH 0.68 FT. AT 2230



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE, CO

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

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

**REMARKS**--Record is complete and reliable. Water was run Jun. 15-Jun. 22, 1992. Station maintained and records developed by George E. Sievers.

**RATING TABLE**--SKYDCLCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	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	2.4	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.8	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.33	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	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 1991 TOTAL		0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00
WTR YR 1992 TOTAL		99.8	MEAN	0.27	MAX	26	MIN	0.00	AC-FT	198

MAX DISCH 28 CFS AT 0145 21-JUN-1992 GH 0.81 FT. SHIFT 0.00 FT. MAX GH 0.81 FT. AT 0145

## 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.--Record is complete and reliable. Water was run Apr. 30-Jul. 22, Jul. 26-30, 1992. Station maintained and records developed by George E. Sievers.

RATING TABLE.--LAPTUNCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	120	76	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	93	72	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	93	69	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	111	90	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	146	92	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	134	105	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	136	133	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70	139	129	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87	136	114	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	145	104	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68	150	112	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71	161	152	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	181	136	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	180	113	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	142	111	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	66	107	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	103	105	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109	109	91	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	103	95	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149	112	87	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	182	146	77	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187	177	24	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168	183	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	166	180	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169	194	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	130	3.9	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	191	82	14	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	139	79	14	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	82	14	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	12	131	82	9.8	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	126	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	12	3263	3895	2249.7	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.40	105	130	72.6	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	24	6470	7730	4460	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	12	191	194	152	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	66	0.0	0.0	0.0

CAL YR 1991 TOTAL 8335.4 MEAN 22.8 MAX 198 MIN 0.00 AC-FT 16530  
WTR YR 1992 TOTAL 9419.7 MEAN 25.7 MAX 194 MIN 0.00 AC-FT 18680

MAX DISCH 232 CFS AT 2000 21-MAY-1992 GH 3.03 FT. SHIFT 0.00 FT. MAX GH 3.03 FT. AT 2000  
21-MAY-1992

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

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

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

**REMARKS**--Record is complete and reliable. Water was run May 11-Jun. 25, 1992. Station maintained and records developed by George E. Sievers.

**RATING TABLE**--DEADDPC001 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	7.4	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	6.7	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	5.6	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	4.9	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	4.5	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	4.5	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.5	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	4.1	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.3	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.2	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	2.6	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.3	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	2.5	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	3.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	2.4	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	14	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	15	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	313.8	185.7	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	6.19	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	622	368	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	20	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 1991 TOTAL	420.84	MEAN	1.15	MAX	27	MIN	0.00	AC-FT	835
WTR YR 1992 TOTAL	499.5	MEAN	1.36	MAX	27	MIN	0.00	AC-FT	991

MAX DISCH 59 CFS AT 1700 21-MAY-1992 GH 1.76 FT. SHIFT 0.00 FT. MAX GH 1.76 FT. AT 1700

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO

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

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

REMARKS.--Record is complete and reliable. Water was run Apr. 30-Jun. 25, 1992. Station maintained and records developed by George E. Sievers.

RATING TABLE.--WSDEARCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	45	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	46	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	31	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	22	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	27	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	20	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	17	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	15	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	13	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	11	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	8.7	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	8.7	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	8.4	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	8.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	7.3	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	6.7	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	7.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	5.4	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	3.8	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	3.8	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	3.5	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	3.2	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	3.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	3.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	1.9	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	3.8	29	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	34	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	3.8	595.7	329.4	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.13	19.2	11.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	7.5	1180	653	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	3.8	38	46	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0

CAL YR 1991 TOTAL 1277.00 MEAN 3.50 MAX 87 MIN 0.00 AC-FT 2530  
WTR YR 1992 TOTAL 928.9 MEAN 2.54 MAX 46 MIN 0.00 AC-FT 1840

MAX DISCH 82 CFS AT 2000 01-JUN-1992 GH 1.58 FT. SHIFT 0.00 FT. MAX GH 1.58 FT. AT 2000  
01-JUN-1992



## REPUBLICAN RIVER BASIN

## PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE

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

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

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

**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 17, 1991-Apr. 17, 1992; Jun.10-12, 1992 when the ditch was off; Apr. 18-26; May 18-20; Jun. 14-19, 1992 when the clock on recorder was not working; Aug. 1-3, 1992 when pen not inking; Jul. 25-27; Aug 12, 24-25, 1992 when submergence data was insufficient to compute reliable discharge. The conditions at the gage makes record computation very difficult. Stage-shift curves were needed because of the fluctuation of submergence. This is the result of backwater from boards in canal, and sudden rain/hailstorms. Record is fair, except for period of no gage-height record and period of submergence, which is poor. Records developed by Fred H. Renner.

**RATING TABLE.**--PIOSTLCO01 USED FROM 01-OCT-1991 TO 16-OCT-1991  
PIOSTLCO02 USED FROM 17-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	0.0	0.0	0.0	0.0	0.0	0.0	22	9.7	19	19	12
2	12	0.0	0.0	0.0	0.0	0.0	0.0	22	7.3	15	20	12
3	7.8	0.0	0.0	0.0	0.0	0.0	0.0	24	7.2	18	14	11
4	9.6	0.0	0.0	0.0	0.0	0.0	0.0	23	7.2	19	15	4.5
5	14	0.0	0.0	0.0	0.0	0.0	0.0	23	8.5	19	18	3.6
6	16	0.0	0.0	0.0	0.0	0.0	0.0	20	9.3	18	18	3.3
7	15	0.0	0.0	0.0	0.0	0.0	0.0	13	10	20	19	3.9
8	11	0.0	0.0	0.0	0.0	0.0	0.0	13	11	19	16	3.6
9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	12	7.4	17	15	3.9
10	7.2	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	17	16	5.9
11	8.5	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	15	19	2.8
12	9.8	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	17	14	0.64
13	14	0.0	0.0	0.0	0.0	0.0	0.0	12	3.7	20	8.5	3.6
14	16	0.0	0.0	0.0	0.0	0.0	0.0	12	22	20	11	3.9
15	14	0.0	0.0	0.0	0.0	0.0	0.0	11	18	18	12	3.3
16	0.60	0.0	0.0	0.0	0.0	0.0	0.0	11	16	16	12	3.6
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	17	18	12	4.2
18	0.0	0.0	0.0	0.0	0.0	0.0	11	12	17	23	14	7.0
19	0.0	0.0	0.0	0.0	0.0	0.0	19	12	12	22	13	8.5
20	0.0	0.0	0.0	0.0	0.0	0.0	20	12	13	17	12	13
21	0.0	0.0	0.0	0.0	0.0	0.0	20	12	18	18	12	14
22	0.0	0.0	0.0	0.0	0.0	0.0	19	9.7	19	19	12	14
23	0.0	0.0	0.0	0.0	0.0	0.0	19	10	19	19	12	14
24	0.0	0.0	0.0	0.0	0.0	0.0	20	9.3	19	21	15	14
25	0.0	0.0	0.0	0.0	0.0	0.0	21	8.9	17	19	18	13
26	0.0	0.0	0.0	0.0	0.0	0.0	19	9.3	17	20	14	12
27	0.0	0.0	0.0	0.0	0.0	0.0	16	10	14	19	13	12
28	0.0	0.0	0.0	0.0	0.0	0.0	16	7.0	13	17	12	12
29	0.0	0.0	0.0	0.0	0.0	0.0	19	6.8	16	16	12	12
30	0.0	0.0	0.0	0.0	---	0.0	22	6.2	20	14	12	12
31	0.0	---	0.0	0.0	---	0.0	---	6.0	---	14	12	---
TOTAL	178.00	0.0	0.0	0.0	0.0	0.0	241	396.2	368.3	563	441.5	243.24
MEAN	5.74	0.0	0.0	0.0	0.0	0.0	8.03	12.8	12.3	18.2	14.2	8.11
AC-FT	353	0.0	0.0	0.0	0.0	0.0	478	786	731	1120	876	482
MAX	16	0.0	0.0	0.0	0.0	0.0	22	24	22	23	20	14
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	14	8.5	0.64
CAL YR 1991 TOTAL	2102.00	MEAN	5.76	MAX	28	MIN	0.00	AC-FT	4170			
WTR YR 1992 TOTAL	2431.24	MEAN	6.64	MAX	24	MIN	0.00	AC-FT	4820			

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.--HLDBBR002 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	12	16	16	16
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	12	16	16	16
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	1.2	16	16	16
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	16	16	7.4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	16	16	7.4
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	16	16	7.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	16	16	7.4
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	16	16	7.3
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	16	16	7.2
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	16	16	7.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	16	16	7.2
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	12	0.0	16	7.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	12	0.0	16	7.2
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	12	0.0	16	7.1
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	12	0.0	16	7.1
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	12	0.0	16	7.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	12	0.0	16	7.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	12	0.0	16	7.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	12	0.0	16	7.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	12	0.0	16	7.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	12	0.0	16	6.9
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	12	11	16	6.9
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	12	11	16	6.9
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	12	14	16	6.9
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	12	16	16	6.8
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	12	16	16	6.8
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	12	16	16	6.8
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	12	16	16	6.8
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	13	16	16	6.7
30	0.0	0.0	0.0	0.0	---	0.0	0.0	12	13	16	16	6.7
31	0.0	---	0.0	0.0	---	0.0	---	9.3	---	16	16	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	181.3	371.3	157.2	496	496	238.5
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	6.04	12.0	5.24	16.0	16.0	7.95
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	360	736	312	984	984	473
MAX	0.0	0.0	0.0	0.0	0.0	0.0	15	13	16	16	16	16
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0	16	16	6.7
CAL YR 1991 TOTAL		815.28	MEAN	2.23	MAX	17	MIN	0.00	AC-FT	1620		
WTR YR 1992 TOTAL		1940.3	MEAN	5.30	MAX	16	MIN	0.00	AC-FT	3850		

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 mi<sup>2</sup>.

**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: Oct. 29,-Nov. 8, 1991 when float was frozen in ice. Nov. 8, 1991-Apr. 7, 1992 when the station was closed for the winter. Apr. 7-15, 1992 when stage-discharge relation was affected by ice. Record good except for periods of no gage-height record and ice affect, which is poor. Discharge includes trans-mountain diversions through Twin Lakes Tunnel. Station maintained and records developed by L.R. Schultz.

**RATING TABLE.**--LAKATLCO18 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	18	16	12	12	8.8	13	182	296	487	154	73
2	26	18	15	11	11	9.0	14	213	282	400	147	70
3	26	17	15	11	10	9.1	14	232	314	350	124	65
4	25	18	14	11	10	9.5	14	313	384	346	138	63
5	24	19	15	10	10	9.4	14	318	440	386	85	60
6	25	20	16	10	9.8	9.4	14	350	440	392	90	55
7	24	21	16	10	9.8	9.4	16	377	438	408	88	52
8	24	22	16	10	9.9	9.6	13	374	410	526	78	50
9	23	23	17	10	10	10	14	364	420	475	72	47
10	22	24	16	11	10	10	16	321	431	383	75	45
11	22	25	16	11	9.8	10	17	285	491	346	83	43
12	21	43	16	12	9.6	9.8	18	294	523	338	79	42
13	20	85	15	11	9.4	10	19	302	668	316	76	43
14	20	28	14	10	9.2	10	34	347	680	287	73	42
15	19	18	14	10	8.9	11	65	378	598	286	68	44
16	19	18	28	9.8	8.6	12	61	411	532	289	64	42
17	18	19	77	9.6	8.2	12	52	457	468	251	69	43
18	18	18	51	9.4	7.9	12	36	544	534	225	64	42
19	18	18	14	9.6	7.8	12	25	598	610	222	57	42
20	18	18	14	10	7.8	12	21	619	642	222	54	44
21	18	17	15	10	8.0	12	21	671	639	225	53	46
22	17	17	14	10	8.2	12	22	625	624	207	56	44
23	18	17	14	10	8.0	12	21	567	678	206	65	39
24	18	16	14	9.8	7.8	12	21	587	736	244	84	37
25	18	16	14	9.6	8.0	12	23	528	689	316	93	41
26	19	16	14	9.7	8.2	12	50	534	651	371	97	38
27	19	16	14	10	8.4	12	52	538	563	294	90	37
28	19	17	13	10	8.5	12	67	469	532	248	83	35
29	19	17	13	10	8.6	12	89	401	576	208	77	34
30	19	16	12	11	---	12	154	363	538	203	74	32
31	19	---	12	11	---	13	---	329	---	172	72	---
TOTAL	642	655	564	319.5	263.4	338.0	1010	12891	15827	9629	2582	1390
MEAN	20.7	21.8	18.2	10.3	9.08	10.9	33.7	416	528	311	83.3	46.3
AC-FT	1270	1300	1120	634	522	670	2000	25570	31390	19100	5120	2760
MAX	27	85	77	12	12	13	154	671	736	526	154	73
MIN	17	16	12	9.4	7.8	8.8	13	182	282	172	53	32
CAL YR 1991 TOTAL	46241.9		MEAN	127	MAX	1040	MIN	8.6	AC-FT	91720		
WTR YR 1992 TOTAL	46110.9		MEAN	126	MAX	736	MIN	7.8	AC-FT	91460		
MAX DISCH	2976 CFS AT 1620		25-JUN-1992	GH	5.95 FT.		SHIFT	0.46 FT.		MAX GH	5.95 FT. AT 1620	

## ARKANSAS RIVER BASIN

07086000 ARKANSAS RIVER AT GRANITE, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 29-31; Nov. 1-4, 13-14, 19-20; Dec. 4-10, 12-13, 15-16, 23-24, 26-28, 30, 1991; Jan.3, 1992 when stage-discharge relationship was affected by ice. Record good except for periods of ice effect which is fair. Station maintained and records developed by L.R. Schultz.

**RATING TABLE.**--ARKGRNC010 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	119	220	269	269	269	216	301	697	830	524	194
2	94	120	227	269	269	271	213	305	598	778	525	181
3	95	123	241	269	271	269	216	305	541	659	531	190
4	97	129	240	269	270	273	220	391	560	565	541	190
5	95	160	215	269	271	268	227	524	642	524	528	192
6	95	166	218	269	268	269	231	560	727	527	516	187
7	93	169	205	272	267	269	234	596	819	530	524	185
8	96	160	207	272	265	273	203	636	764	590	536	176
9	97	163	212	267	265	273	183	616	748	727	542	168
10	97	163	210	264	265	269	183	603	631	724	554	146
11	99	163	209	267	267	265	196	548	625	612	556	126
12	99	163	209	273	268	268	193	536	748	615	527	125
13	95	155	240	273	265	263	199	554	798	612	509	122
14	97	151	265	273	265	265	199	566	836	520	494	116
15	97	196	261	273	266	261	196	622	965	506	423	109
16	97	253	250	273	265	249	199	715	1010	542	339	113
17	95	257	245	270	265	248	206	777	917	546	299	112
18	95	253	238	269	265	250	177	776	823	525	286	117
19	93	203	245	268	263	244	163	790	859	554	264	112
20	90	203	241	268	265	244	152	919	940	554	242	123
21	90	220	238	269	267	246	147	1020	982	554	260	125
22	91	213	231	273	262	245	147	1110	995	554	325	119
23	95	209	230	273	266	216	147	1170	981	566	330	113
24	100	209	230	271	265	199	144	1110	1010	566	334	108
25	119	216	231	269	270	203	149	1040	1030	549	334	114
26	117	216	230	269	271	199	152	966	1100	579	307	116
27	112	213	230	269	271	205	174	1010	1270	522	266	110
28	112	213	233	269	268	209	234	993	1170	507	219	110
29	104	213	227	269	272	209	269	900	1090	528	204	111
30	120	220	250	269	---	216	285	800	870	521	199	110
31	119	---	261	269	---	220	---	754	---	511	195	---
TOTAL	3088	5611	7189	8365	7746	7627	5854	22513	25746	17997	12233	4120
MEAN	99.6	187	232	270	267	246	195	726	858	581	395	137
AC-FT	6130	11130	14260	16590	15360	15130	11610	44650	51070	35700	24260	8170
MAX	120	257	265	273	272	273	285	1170	1270	830	556	194
MIN	90	119	205	264	262	199	144	301	541	506	195	108

CAL YR 1991 TOTAL 131408 MEAN 360 MAX 1740 MIN 80 AC-FT 260600  
WTR YR 1992 TOTAL 128089 MEAN 350 MAX 1270 MIN 90 AC-FT 254100

MAX DISCH 5795 CFS AT 0945 26-MAR-1992 GH 7.59 FT. SHIFT -0.06 FT. MAX GH 7.59 FT. AT 0945  
26-MAR-1992

## ARKANSAS RIVER BASIN

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO

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

**DRAINAGE AREA.**--67.1 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder in a 42-inch diameter metal pipe shelter and well. 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: Oct. 29; Nov. 1,12,13,19, 1991 when stage-discharge relationship was affected by ice. Nov. 20, 1991 to April 1, 1992 when the station was closed for the winter. Nov. 2-8, 1991 when ice formed in stilling well. 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.**--CCACRCO13 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	26	14	16	10	14	11	9.4	50	108	122	55	81		
2	26	14	16	10	13	11	9.8	55	98	104	52	81		
3	25	14	16	10	13	11	9.8	61	108	92	52	75		
4	24	15	17	10	12	11	9.8	66	134	92	47	75		
5	23	15	17	10	12	10	9.8	76	143	92	46	70		
6	22	16	17	11	11	10	11	87	124	92	50	65		
7	22	18	17	11	11	10	11	98	120	96	55	61		
8	22	20	18	10	11	10	13	104	110	122	51	58		
9	22	22	17	10	12	10	12	96	112	129	50	55		
10	21	22	16	10	12	10	14	83	114	98	47	52		
11	21	22	15	11	12	9.0	15	73	148	89	64	50		
12	20	19	14	11	12	8.4	15	75	148	85	65	48		
13	20	19	13	10	12	8.0	19	75	167	85	56	47		
14	20	19	12	10	11	8.0	21	81	173	75	56	46		
15	20	20	11	9.8	11	8.0	21	87	162	73	52	52		
16	18	19	11	9.6	11	8.0	22	96	131	89	50	52		
17	16	19	11	10	11	8.0	20	110	116	73	50	50		
18	15	20	12	9.6	11	8.4	24	120	136	66	47	50		
19	16	18	12	9.6	10	8.4	19	145	159	64	44	50		
20	15	18	12	10	10	8.0	16	162	165	62	41	48		
21	15	19	12	11	11	8.0	15	189	165	61	40	47		
22	15	18	12	12	11	8.2	15	176	162	59	40	44		
23	15	18	12	11	12	8.4	15	153	167	64	50	41		
24	16	17	12	11	11	8.6	14	167	170	98	59	38		
25	19	17	11	12	10	8.8	15	151	167	96	83	38		
26	19	16	11	12	10	8.4	15	153	162	96	91	38		
27	18	16	11	13	11	8.4	20	173	148	81	81	36		
28	19	17	11	13	11	8.6	26	153	131	71	80	35		
29	15	18	11	13	11	8.8	32	131	143	65	78	34		
30	14	18	11	14	---	9.0	42	124	129	64	75	32		
31	13	---	11	14	---	9.0	---	116	---	59	76	---		
TOTAL	592	537	415	338.6	330	280.4	510.6	3486	4220	2614	1783	1549		
MEAN	19.1	17.9	13.4	10.9	11.4	9.05	17.0	112	141	84.3	57.5	51.6		
AC-FT	1170	1070	823	672	655	556	1010	6910	8370	5180	3540	3070		
MAX	26	22	18	14	14	11	42	189	173	129	91	81		
MIN	13	14	11	9.6	10	8.0	9.4	50	98	59	40	32		
CAL YR 1991 TOTAL		18679.9	MEAN	51.2	MAX	345	MIN	7.0	AC-FT	37050				
WTR YR 1992 TOTAL		16655.6	MEAN	45.5	MAX	189	MIN	8.0	AC-FT	33040				
MAX DISCH		215 CFS	AT 0200	21-MAY-1992	GH	4.06	FT.	SHIFT	-0.03	FT.	MAX GH	4.06	FT.	AT 0200

## ARKANSAS RIVER BASIN

07091000 CHALK CREEK AT NATHROP, CO

CHALK CREEK AT NATHROP, CO

**LOCATION.**--Lat 38°44'30", long 106°04'57", in SW¼SE¼NE¼SW¼ sec.14, T.15 S., R.78 W., Chaffee County, on left bank, 640' north of the Junction of Hwy. 160 and 285 on the frontage rd. parallel to 285, ¼ mi. south of Nathrop, Co., and 1 mi. west of the confluence of Chalk Creek and the Arkansas River.

**DRAINAGE AREA.**--N\A

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

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 29; Dec. 3, 15, 20-30, 1990; Jan. 22-24, 26-27, 30-31; Feb. 1, 1991 when stage-relation discharge affected by ice. Record good, except for period of period of ice-effect, which is poor. Station maintained and records developed by L.R. Schultz.

**RATING TABLE.**--CHCRNAC005 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	34	27	23	22	19	18	0.76	2.2	134	104	35	34
2	35	30	24	19	19	19	0.92	2.2	121	94	35	28
3	39	31	22	19	19	20	0.92	2.6	94	92	56	28
4	34	30	22	19	17	20	0.92	4.4	80	83	74	27
5	32	31	22	18	17	21	1.1	4.4	121	76	66	30
6	28	32	23	17	17	22	1.2	4.9	155	68	58	31
7	28	31	22	17	17	21	2.9	4.9	144	60	70	35
8	32	30	22	17	18	22	2.2	5.3	199	70	56	41
9	28	36	22	17	18	23	0.92	5.3	286	90	53	38
10	31	38	22	17	17	23	1.1	13	273	72	53	36
11	38	39	23	17	17	24	1.4	25	286	78	48	36
12	35	39	25	17	17	21	1.2	34	310	74	45	39
13	34	38	27	19	17	19	1.2	31	329	76	48	45
14	34	38	26	19	17	17	1.2	41	267	66	53	46
15	34	36	25	19	17	15	1.4	58	336	56	44	42
16	34	35	25	19	17	16	1.4	58	323	55	36	41
17	32	35	25	19	17	15	1.4	36	279	55	32	36
18	32	36	25	19	17	14	1.2	56	273	50	30	34
19	32	36	25	20	17	9.5	1.4	94	241	50	32	30
20	39	36	25	20	17	7.7	1.6	118	207	51	31	25
21	38	34	24	20	17	8.1	2.0	127	221	51	28	25
22	41	27	24	19	17	7.7	2.2	121	203	53	27	26
23	41	27	25	19	16	7.7	2.2	159	166	64	26	27
24	38	28	25	19	16	5.3	2.4	101	152	62	23	27
25	38	32	26	17	15	4.9	2.4	90	130	80	27	28
26	41	36	25	18	17	2.4	2.6	130	104	64	28	26
27	39	35	24	18	17	1.2	2.6	170	80	58	30	23
28	36	27	25	18	17	0.92	2.6	226	96	44	31	24
29	30	22	24	18	---	0.76	2.4	231	130	39	31	27
30	27	22	24	18	---	0.76	2.2	241	121	36	28	23
31	25	---	23	19	---	0.76	---	221	---	36	42	---
TOTAL	1059	974	744	573	480	407.70	49.94	2417.2	5861	2007	1276	958
MEAN	34.2	32.5	24.0	18.5	17.1	13.2	1.66	78.0	195	64.7	41.2	31.9
AC-FT	2100	1930	1480	1140	952	809	99	4790	11630	3980	2530	1900
MAX	41	39	27	22	19	24	2.9	241	336	104	74	46
MIN	25	22	22	17	15	0.76	0.76	2.2	80	36	23	23

CAL YR 1990 TOTAL 14473.67 MEAN 39.7 MAX 506 MIN 0.60 AC-FT 28710  
WTR YR 1991 TOTAL 16806.84 MEAN 46.0 MAX 336 MIN 0.76 AC-FT 33340

MAX DISCH 508 CFS AT 0200 13-JUN-1991 GH 4.21 FT. SHIFT 0.04 FT. MAX GH 4.21 FT. AT 0200  
13-JUN-1991

ARKANSAS RIVER BASIN

07091000 CHALK CREEK AT NATHROP, CO

CHALK CREEK AT NATHROP, CO

LOCATION.--Lat 38°44'30", long 106°04'57", in SW¼SE¼NE¼SW¼ sec.14, T.15 S., R.78 W., Chaffee County, on left bank, 640' north of the Junction of Hwy. 160 and 285 on the frontage rd. parallel to 285, ¼ mi. south of Nathrop, Co., and 1 mi. west of the confluence of Chalk Creek and the Arkansas River.

DRAINAGE AREA.--N\A

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

REMARKS.--Record is complete and reliable except for the following periods: Dec. 2-3, 28, 1991; Jan. 2-3, 16, 19, 1992 when stage-discharge relation was affected by ice; Apr. 1-8, 1992 when the gage was isolated from the stream. Record good, except for period of missing record and for periods of ice-effect, which are poor. Station maintained and records developed by L.R. Schultz.

RATING TABLE.--CHCRNACO05 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	27	21	20	17	19	2.0	10	94	96	25	72
2	17	30	21	20	17	19	1.4	17	80	85	23	64
3	17	30	20	20	17	19	1.4	23	64	78	22	60
4	17	27	21	19	17	22	1.4	22	64	70	22	55
5	17	27	21	19	17	21	1.4	26	92	66	21	51
6	17	28	21	20	17	20	1.4	30	101	64	22	48
7	18	28	21	20	17	19	1.4	41	110	60	19	45
8	18	28	22	20	17	19	1.4	50	87	64	19	42
9	17	28	22	20	17	18	1.4	62	74	70	20	41
10	17	27	22	20	17	18	1.8	51	78	58	24	38
11	17	26	23	20	17	17	1.6	42	118	51	32	26
12	17	24	23	20	17	18	1.4	44	127	50	36	23
13	16	24	23	20	17	18	1.8	50	130	58	31	23
14	16	27	22	20	17	18	1.8	58	130	55	27	22
15	16	28	22	20	17	17	1.8	64	116	50	26	31
16	15	26	22	20	17	17	2.0	68	92	46	21	35
17	14	26	21	20	17	17	1.8	68	74	44	25	28
18	13	27	21	19	17	17	2.2	78	85	38	26	30
19	13	26	22	19	17	17	2.0	118	96	36	24	35
20	12	22	22	18	17	17	1.6	152	99	35	19	32
21	12	23	21	18	17	17	1.4	186	104	34	17	31
22	12	24	21	17	17	17	1.2	182	101	31	18	28
23	13	20	21	17	17	17	1.1	174	94	28	20	23
24	14	20	22	17	17	17	1.1	191	99	28	72	19
25	13	20	22	18	18	17	1.1	152	107	30	80	17
26	13	20	22	18	18	15	1.2	166	130	36	80	15
27	13	22	21	17	18	14	1.4	221	137	28	80	14
28	14	23	22	17	18	14	1.4	178	113	25	74	15
29	17	23	22	17	19	12	0.76	130	113	26	68	16
30	26	22	21	17	---	11	3.1	118	101	25	66	12
31	27	---	20	17	---	6.6	---	101	---	26	70	---
TOTAL	496	753	668	584	499	524.6	46.76	2873	3010	1491	1129	991
MEAN	16.0	25.1	21.5	18.8	17.2	16.9	1.56	92.7	100	48.1	36.4	33.0
AC-FT	984	1490	1320	1160	990	1040	93	5700	5970	2960	2240	1970
MAX	27	30	23	20	19	22	3.1	221	137	96	80	72
MIN	12	20	20	17	17	6.6	0.76	10	64	25	17	12

CAL YR 1991 TOTAL 15946.84 MEAN 43.7 MAX 336 MIN 0.76 AC-FT 31630  
WTR YR 1992 TOTAL 13065.36 MEAN 35.7 MAX 221 MIN 0.76 AC-FT 25920

MAX DISCH 255 CFS AT 1000 27-MAY-1992 GH 3.92 FT. SHIFT -0.02 FT. MAX GH 3.92 FT. AT 1000  
27-MAY-1992



## ARKANSAS RIVER BASIN

07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 24-Dec. 31, 1991; Jan. 1-Jan.13, 1992 when stage-discharge relationship was affected by ice; Jan. 14-Feb. 7, 1992, when ice disturbed orifice. Record good except for period of ice effect and period when the orifice was disturbed, which is fair. Station maintained and records developed by L.R. Schultz.

**RATING TABLE.**--ARKWELCO05 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	393	456	511	462	470	395	397	1110	1070	728	579
2	274	409	439	508	462	467	380	403	987	1030	696	565
3	270	420	447	498	472	475	379	408	898	929	703	533
4	273	412	462	510	465	511	382	437	866	874	722	526
5	267	448	470	505	465	500	379	588	973	827	693	510
6	270	498	474	505	460	487	384	670	1050	815	714	500
7	270	527	477	510	460	484	397	737	1090	832	685	562
8	271	489	472	505	469	483	393	817	1060	854	709	573
9	270	472	472	498	468	481	329	868	987	984	694	562
10	270	475	464	498	465	474	313	928	957	1050	712	546
11	276	478	472	507	465	469	322	690	928	949	763	488
12	275	476	472	515	467	470	320	609	1020	863	731	473
13	272	454	465	500	465	474	320	636	1140	968	707	415
14	275	453	472	492	465	473	344	645	1180	805	744	375
15	280	489	494	495	465	474	354	680	1270	748	748	357
16	276	532	498	493	461	470	346	778	1320	765	670	350
17	276	559	507	491	454	450	351	876	1170	773	629	341
18	276	562	508	490	455	456	352	952	1080	677	586	332
19	277	537	510	481	456	448	330	966	1020	695	560	339
20	270	486	513	481	458	443	312	1100	1190	708	531	342
21	270	500	508	481	462	446	297	1370	1230	712	497	353
22	270	507	505	480	468	453	290	1440	1310	699	591	362
23	271	449	498	480	462	451	294	1580	1240	723	652	353
24	276	454	488	482	464	406	291	1480	1280	778	994	344
25	287	470	480	487	461	397	269	1380	1330	798	1150	337
26	295	470	481	476	469	393	262	1320	1390	868	832	346
27	294	472	468	475	466	392	247	1390	1590	787	749	341
28	297	477	464	475	472	400	280	1450	1540	720	655	329
29	305	474	475	477	468	403	342	1300	1390	719	595	329
30	325	473	474	472	---	395	359	1200	1210	766	584	320
31	346	---	491	465	---	403	---	1170	---	698	591	---
TOTAL	8689	14315	14876	15243	13451	13998	10013	29265	34806	25484	21615	12682
MEAN	280	477	480	492	464	452	334	944	1160	822	697	423
AC-FT	17230	28390	29510	30230	26680	27770	19860	58050	69040	50550	42870	25150
MAX	346	562	513	515	472	511	397	1580	1590	1070	1150	579
MIN	265	393	439	465	454	392	247	397	866	677	497	320

CAL YR 1991 TOTAL 224545 MEAN 615 MAX 2390 MIN 263 AC-FT 445400  
WTR YR 1992 TOTAL 214437 MEAN 586 MAX 1590 MIN 247 AC-FT 425300

MAX DISCH 1688 CFS AT 1230 27-JUN-1992 GH 5.48 FT. SHIFT -0.06 FT. MAX GH 5.48 FT. AT 1030  
23-MAY-1992







## ARKANSAS RIVER BASIN

07097000 ARKANSAS RIVER AT PORTLAND, CO

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

**DRAINAGE AREA.**--4,024 mi<sup>2</sup>.

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

**REMARKS.**--Record is complete and reliable for the entire water year. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, diversions upstream from station for irrigation. Record is good. Station maintained and records developed by Frank P. Kipple and Anthony D. Gutierrez.

**RATING TABLE.**--ARKPORCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	235	370	525	538	473	560	596	264	1330	1360	722	807
2	234	403	551	540	481	556	529	303	1320	1270	726	772
3	258	450	498	539	483	568	489	318	1270	1170	722	734
4	245	410	519	544	482	692	464	337	1150	1010	762	671
5	275	431	474	555	486	723	448	368	1160	970	747	661
6	283	488	493	555	472	640	440	553	1330	892	711	648
7	291	566	489	560	473	559	413	629	1360	890	720	625
8	269	524	484	544	494	561	418	684	1390	961	719	699
9	257	492	480	534	495	598	448	797	1330	1050	708	676
10	235	504	464	535	493	548	334	879	1340	1130	730	671
11	264	505	463	536	496	549	314	861	1260	1110	860	633
12	261	501	477	541	494	542	335	631	1360	1010	839	568
13	236	472	455	544	495	542	327	603	1450	993	806	537
14	242	462	440	519	517	544	322	595	1520	977	774	472
15	248	499	476	524	544	548	380	610	1590	800	839	460
16	220	541	486	519	549	532	475	671	1630	769	806	440
17	219	600	474	525	544	518	436	779	1530	857	1370	427
18	211	591	472	542	528	524	465	896	1400	771	854	418
19	225	598	544	537	531	542	459	977	1260	709	672	414
20	213	504	594	532	544	535	422	1080	1310	749	598	418
21	224	493	573	549	547	540	386	1300	1490	793	539	404
22	237	527	590	529	555	662	351	1480	1560	722	514	414
23	308	474	559	512	560	701	320	1630	1560	710	620	382
24	323	422	522	518	557	672	305	1640	1530	731	987	364
25	309	464	532	527	558	642	286	1590	1630	797	1740	369
26	254	481	540	490	560	615	260	1500	1790	956	1380	364
27	260	475	518	480	541	631	255	1510	1810	942	1090	369
28	257	462	512	472	547	661	222	1650	1940	793	967	351
29	279	476	508	481	550	613	220	1570	1790	715	823	316
30	298	467	530	478	---	588	245	1380	1650	755	766	251
31	350	---	521	475	---	608	---	1370	---	754	819	---
TOTAL	8020	14652	15763	16274	15049	18314	11364	29455	44040	28116	25930	15335
MEAN	259	488	508	525	519	591	379	950	1468	907	836	511
AC-FT	15910	29060	31270	32280	29850	36330	22540	58420	87350	55770	51430	30420
MAX	350	600	594	560	560	723	596	1650	1940	1360	1740	807
MIN	211	370	440	472	472	518	220	264	1150	709	514	251

CAL YR 1991 TOTAL 229798 MEAN 630 MAX 2770 MIN 211 AC-FT 455800  
WTR YR 1992 TOTAL 242312 MEAN 662 MAX 1940 MIN 211 AC-FT 480600

MAX DISCH 6730 CFS AT 2000 17-AUG-1992 GH 8.03 FT. SHIFT 0.12 FT. MAX GH 8.03 FT. AT 2000  
17-AUG-1992



## ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER NEAR NEPESTA, CO

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

**DRAINAGE AREA.**--9,345 mi<sup>2</sup>.

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

**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 11-14, 1991 when Nitrogen ran out. Nov. 3; Dec. 2-3, 1991 when stage-discharge relation was affected by ice. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals, diversions for irrigation. Flow partly regulated by Pueblo Reservoir (station 07099350) since Jan. 9, 1974. Record fair except for periods of no gage-height record and ice affected record, which is poor. Uncertainty about quality of some discharge measurements resulted in down-grade from good to fair. Station maintained and records developed by Frank P. Kipple and Anthony D. Gutierrez.

**RATING TABLE.**--ARKNEPC010 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	196	297	210	393	500	234	573	398	964	1400	818	868
2	226	308	203	379	477	242	634	364	1190	1230	695	913
3	212	285	212	390	479	217	619	358	1100	1220	637	920
4	198	342	200	404	501	285	603	342	1100	1150	724	813
5	202	446	189	404	493	566	600	404	1060	909	735	655
6	216	381	189	386	469	332	585	428	973	763	647	595
7	240	182	179	361	440	255	517	519	986	624	581	566
8	255	87	176	359	423	228	470	610	1040	505	546	522
9	245	90	184	361	415	362	460	631	1120	492	419	511
10	254	208	176	401	452	313	433	737	1360	941	311	466
11	260	286	168	424	491	245	409	822	1470	1170	452	409
12	235	274	172	426	504	221	407	935	1530	1190	570	362
13	189	218	176	444	481	203	429	677	1120	1150	811	326
14	207	189	176	455	446	206	430	616	895	1400	848	398
15	226	255	146	461	477	386	501	583	1380	1180	714	349
16	258	221	146	419	473	401	695	568	1400	980	674	573
17	282	250	169	444	458	399	1030	574	1500	908	609	697
18	273	281	165	455	438	409	1050	579	1470	819	716	705
19	266	373	165	453	416	435	977	705	1340	598	1030	675
20	254	310	189	448	420	443	925	832	1180	574	781	698
21	214	247	193	425	449	475	905	928	1310	645	652	727
22	184	227	190	431	415	496	852	1190	1160	616	555	534
23	156	241	222	416	248	521	814	1420	1110	595	497	381
24	175	211	219	402	230	560	770	1570	1290	467	519	366
25	186	202	205	412	223	541	675	1580	1470	489	1620	330
26	196	204	253	406	234	508	658	1590	1690	650	1580	303
27	185	195	368	432	250	489	698	1470	1630	760	1460	274
28	170	196	372	439	241	451	667	1610	1790	793	864	248
29	168	210	379	456	226	462	589	1490	1960	828	1010	231
30	176	220	366	475	---	469	422	1390	1740	837	883	252
31	216	---	391	505	---	503	---	1130	---	818	918	---
TOTAL	6720	7436	6748	13066	11769	11857	19397	27050	39328	26701	23876	15667
MEAN	217	248	218	421	406	382	647	873	1311	861	770	522
AC-FT	13330	14750	13380	25920	23340	23520	38470	53650	78010	52960	47360	31080
MAX	282	446	391	505	504	566	1050	1610	1960	1400	1620	920
MIN	156	87	146	359	223	203	407	342	895	467	311	231
CAL YR 1991 TOTAL	205320		MEAN	563	MAX	2130	MIN	87	AC-FT	407300		
WTR YR 1992 TOTAL	209615		MEAN	573	MAX	1960	MIN	87	AC-FT	415800		
MAX DISCH	2207 CFS AT 1045		25-AUG-1992 GH		3.29 FT.		SHIFT	0.00 FT.		MAX GH	3.31 FT. AT 0445	
12-JUN-1992												

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 mi<sup>2</sup>.

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

**REMARKS.**--All shaft encoder and recorder records were adjusted to outside staff gage readings. Outside staff gage readings are variable because of surging and stream flow velocity. Therefore, adjustments to outside gage have been smoothed in some instances. Record is complete and reliable except for the following periods: Oct. 30-Nov. 7, 1991 when stage-discharge relation was affected by ice. Dec. 17-19, 1991 to Jan. 2, 4-6, 1992 when orifice was accidentally moved. Gage height record was affected by sand covering the orifice many times, and corrected when possible. 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.**--ARKCATCO05 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	344	226	380	485	254	297	174	785	1300	571	812
2	133	406	202	385	499	237	297	168	1000	1120	579	664
3	132	294	199	388	520	237	281	194	955	1070	428	710
4	116	430	196	390	533	243	228	206	949	1000	455	636
5	112	532	212	400	517	395	190	195	1070	831	480	507
6	128	500	210	410	520	456	184	285	848	565	438	431
7	121	326	218	405	537	233	166	297	853	485	326	416
8	99	189	206	385	550	187	122	386	1230	388	255	405
9	95	123	193	386	544	193	84	426	1280	283	217	362
10	69	106	197	413	544	377	54	496	1180	388	132	354
11	90	270	186	428	532	247	43	647	1540	810	129	293
12	93	293	192	411	541	196	84	763	1800	927	185	227
13	81	271	196	409	544	144	95	670	1430	887	337	182
14	82	205	204	425	538	144	101	463	790	1000	608	174
15	76	218	197	403	526	195	143	396	946	960	462	240
16	70	255	193	401	526	283	267	338	1170	766	351	208
17	80	273	184	432	523	288	568	320	1320	626	294	572
18	112	296	180	426	515	301	770	327	1300	568	731	593
19	108	355	179	436	495	320	745	347	1200	411	743	600
20	90	405	180	442	483	324	701	534	1280	310	416	612
21	84	338	185	446	510	316	676	683	1200	485	324	618
22	61	293	196	450	521	327	609	891	1150	535	306	562
23	52	286	217	438	440	342	554	1040	999	326	265	284
24	57	265	220	422	356	370	485	1290	1070	280	284	238
25	62	247	214	412	328	373	429	1360	1230	175	1360	208
26	85	240	224	434	307	303	420	1360	1590	321	1370	185
27	86	253	306	449	306	274	408	1290	1470	368	1390	173
28	88	245	375	445	297	267	411	1320	1330	350	733	162
29	80	241	393	450	283	275	358	1380	1700	495	703	157
30	102	237	384	444	---	283	244	1230	1650	524	717	143
31	179	---	380	450	---	279	---	1050	---	585	689	---
TOTAL	2952	8736	7044	12995	13820	8663	10014	20526	36315	19139	16278	11728
MEAN	95.2	291	227	419	477	279	334	662	1211	617	525	391
AC-FT	5860	17330	13970	25780	27410	17180	19860	40710	72030	37960	32290	23260
MAX	179	532	393	450	550	456	770	1380	1800	1300	1390	812
MIN	52	106	179	380	283	144	43	168	785	175	129	143

CAL YR 1991 TOTAL 152267 MEAN 417 MAX 1990 MIN 32 AC-FT 302000  
WTR YR 1992 TOTAL 168210 MEAN 460 MAX 1800 MIN 43 AC-FT 333600

MAX DISCH 9194 CFS AT 1330 22-JUN-1992 GH 7.68 FT. SHIFT -0.27 FT. MAX GH 7.68 FT. AT 1330

## 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 except Oct. 5-7, 1991 when no record was available. DCP record was used for record computation. This record was compared to that of strip-chart record of water commissioner at the same site. Adjustments were made as needed. Record good, except that for period of missing record, which is poor. Station maintained and records developed by Don Taylor and Frank P. Kipple.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	0.0	0.0	0.0	0.0	0.0	257	285	242	256	247	189
2	72	0.0	0.0	0.0	0.0	0.0	289	266	246	253	247	193
3	91	0.0	0.0	0.0	0.0	0.0	285	247	244	249	249	194
4	86	0.0	0.0	0.0	0.0	0.0	297	247	244	248	250	194
5	80	0.0	0.0	0.0	0.0	0.0	321	250	246	247	248	192
6	97	0.0	0.0	0.0	0.0	0.0	321	252	245	247	248	194
7	110	0.0	0.0	0.0	0.0	0.0	319	252	247	247	247	194
8	179	0.0	0.0	0.0	0.0	0.0	319	250	221	247	250	194
9	179	0.0	0.0	0.0	0.0	0.0	319	249	142	246	248	195
10	170	0.0	0.0	0.0	0.0	0.0	319	252	159	250	203	194
11	170	0.0	0.0	0.0	0.0	0.0	321	251	139	251	184	213
12	170	0.0	0.0	0.0	0.0	0.0	324	252	23	252	297	232
13	156	0.0	0.0	0.0	0.0	1.7	323	249	0.0	250	320	232
14	150	0.0	0.0	0.0	0.0	8.8	325	247	52	249	317	233
15	152	0.0	0.0	0.0	0.0	65	330	247	203	246	314	235
16	167	0.0	0.0	0.0	0.0	166	330	249	200	247	301	236
17	178	0.0	0.0	0.0	0.0	149	311	249	240	245	290	228
18	182	0.0	0.0	0.0	0.0	148	270	247	253	249	276	221
19	182	0.0	0.0	0.0	0.0	146	254	247	250	244	290	221
20	181	0.0	0.0	0.0	0.0	161	253	249	253	246	290	222
21	179	0.0	0.0	0.0	0.0	184	232	249	253	246	291	208
22	175	0.0	0.0	0.0	0.0	185	275	249	248	240	276	198
23	165	0.0	0.0	0.0	0.0	185	284	248	247	249	270	197
24	139	0.0	0.0	0.0	0.0	186	286	245	253	249	231	192
25	138	0.0	0.0	0.0	0.0	198	288	247	253	248	156	188
26	139	0.0	0.0	0.0	0.0	234	288	249	263	246	190	189
27	139	0.0	0.0	0.0	0.0	250	289	246	249	244	194	188
28	139	0.0	0.0	0.0	0.0	252	286	246	258	244	191	189
29	136	0.0	0.0	0.0	0.0	252	285	246	257	249	193	190
30	139	0.0	0.0	0.0	---	251	295	243	258	249	192	191
31	68	---	0.0	0.0	---	250	---	242	---	247	193	---
TOTAL	4373	0.0	0.0	0.0	0.0	3272.5	8895	7747	6388	7680	7693	6136
MEAN	141	0.0	0.0	0.0	0.0	106	297	250	213	248	248	205
AC-FT	8670	0.0	0.0	0.0	0.0	6490	17640	15370	12670	15230	15260	12170
MAX	182	0.0	0.0	0.0	0.0	252	330	285	263	256	320	236
MIN	65	0.0	0.0	0.0	0.0	0.0	232	242	0.0	240	156	188

CAL YR 1991 TOTAL 47528.0 MEAN 130 MAX 351 MIN 0.00 AC-FT 94270  
WTR YR 1992 TOTAL 52184.5 MEAN 143 MAX 330 MIN 0.00 AC-FT 103500

MAX DISCH 0.00 CFS AT 1800 01-OCT-1991 GH 1.10 FT. SHIFT 0.00 FT. MAX GH 4.66 FT. AT 2345  
16-AUG-1992

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

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	344	226	380	485	254	554	459	1030	1560	818	1000
2	205	406	202	385	499	237	586	434	1250	1370	826	857
3	223	294	199	388	520	237	566	441	1200	1320	677	904
4	202	430	196	390	533	243	525	453	1190	1250	705	830
5	192	532	212	400	517	395	511	445	1320	1080	728	699
6	225	500	210	410	520	456	505	537	1090	812	686	625
7	231	326	218	405	537	233	485	549	1100	732	573	610
8	278	189	206	385	550	187	441	636	1450	635	505	599
9	274	123	193	386	544	193	403	675	1420	529	465	557
10	239	106	197	413	544	377	373	748	1340	638	335	548
11	260	270	186	428	532	247	364	898	1680	1060	313	506
12	263	293	192	411	541	196	408	1020	1820	1180	482	459
13	237	271	196	409	544	146	418	919	1430	1140	657	414
14	232	205	204	425	538	153	426	710	842	1250	925	407
15	228	218	197	403	526	260	473	643	1150	1210	776	475
16	237	255	193	401	526	449	597	587	1370	1010	652	444
17	258	273	184	432	523	437	879	569	1560	871	584	800
18	294	296	180	426	515	449	1040	574	1550	817	1010	814
19	290	355	179	436	495	466	999	594	1450	655	1030	821
20	271	405	180	442	483	485	954	783	1530	556	706	834
21	263	338	185	446	510	500	908	932	1450	731	615	826
22	236	293	196	450	521	512	884	1140	1400	775	582	760
23	217	286	217	438	440	527	838	1290	1250	575	535	481
24	196	265	220	422	356	556	771	1540	1320	529	515	430
25	200	247	214	412	328	571	717	1610	1480	423	1520	396
26	224	240	224	434	307	537	708	1610	1850	567	1560	374
27	225	253	306	449	306	524	697	1540	1720	612	1580	361
28	227	245	375	445	297	519	697	1570	1590	594	924	351
29	216	241	393	450	283	527	643	1630	1960	744	896	347
30	241	237	384	444	---	534	539	1470	1910	773	909	334
31	247	---	380	450	---	529	---	1290	---	832	882	---
TOTAL	7325	8736	7044	12995	13820	11936	18909	28296	42702	26830	23971	17863
MEAN	236	291	227	419	477	385	630	913	1423	865	773	595
AC-FT	14530	17330	13970	25780	27410	23680	37510	56130	84700	53220	47550	35430
MAX	294	532	393	450	550	571	1040	1630	1960	1560	1580	1000
MIN	192	106	179	380	283	146	364	434	842	423	313	334
CAL YR 1991 TOTAL		199837	MEAN	547	MAX	2250	MIN	45	AC-FT	396400		
WTR YR 1992 TOTAL		220427	MEAN	602	MAX	1960	MIN	106	AC-FT	437200		

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 mi<sup>2</sup>.

**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: Nov. 1-9, 12-13, 15-24, 1991 when cold weather caused a nitrogen line leak. All gage heights are referenced to an outside wire-weight gage. The DCP is the primary source of data for records computation. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, groundwater withdrawals and diversions for irrigation. Record fair except for periods of missing or ice-affected data, which is poor. Station maintained and records developed by William F. Howland.

**RATING TABLE.**--ARKLAJCO37 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	150	85	93	90	132	28	242	470	557	231	392
2	50	180	82	96	143	111	22	221	475	547	233	318
3	58	180	91	98	166	111	23	197	455	678	204	291
4	60	193	89	130	183	114	29	213	307	784	125	283
5	58	247	92	106	193	110	28	202	330	776	84	298
6	63	392	91	104	187	149	27	179	234	623	38	289
7	76	240	92	147	186	137	24	146	319	489	67	293
8	65	186	87	188	173	119	24	160	497	388	64	348
9	50	123	86	156	177	125	31	239	697	203	28	378
10	43	47	84	149	181	128	31	304	348	170	19	328
11	42	38	80	154	189	112	30	394	513	288	31	308
12	64	42	82	158	317	103	30	480	729	454	24	258
13	75	37	83	150	328	106	33	551	409	521	74	223
14	67	35	82	142	334	84	37	443	221	456	186	196
15	67	219	83	138	348	32	33	340	43	479	294	190
16	70	193	84	214	354	21	32	284	256	544	285	224
17	72	196	85	213	357	19	35	227	397	371	243	160
18	75	165	84	264	352	22	250	223	553	278	259	140
19	117	159	83	238	352	15	432	228	543	266	354	168
20	124	153	80	196	358	18	417	257	608	383	424	178
21	133	101	78	125	358	30	379	428	536	392	319	214
22	129	101	79	107	360	25	291	673	668	213	221	216
23	109	98	81	97	353	31	364	562	567	150	193	194
24	82	89	79	98	251	32	367	500	594	115	199	235
25	69	87	79	96	173	25	387	543	626	175	291	165
26	86	95	81	94	164	25	451	591	646	128	364	122
27	104	93	83	94	144	27	410	602	678	48	211	113
28	111	91	85	94	144	36	380	570	399	30	307	94
29	122	89	86	92	137	39	351	613	817	25	445	94
30	126	87	88	89	---	31	314	480	691	37	464	87
31	140	---	89	90	---	25	---	463	---	134	433	---
TOTAL	2554	4106	2613	4210	7052	2094	5290	11555	14626	10702	6714	6797
MEAN	82.4	137	84.3	136	243	67.5	176	373	488	345	217	227
AC-FT	5070	8140	5180	8350	13990	4150	10490	22920	29010	21230	13320	13480
MAX	140	392	92	264	360	149	451	673	817	784	464	392
MIN	42	35	78	89	90	15	22	146	43	25	19	87

CAL YR 1991 TOTAL 77542 MEAN 212 MAX 1100 MIN 23 AC-FT 153800  
WTR YR 1992 TOTAL 78313 MEAN 214 MAX 817 MIN 15 AC-FT 155300

MAX DISCH 1370 CFS AT 1530 25-NOV-1991 GH 8.09 FT. SHIFT -0.18 FT. MAX GH 8.09 FT. AT 1530



## ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO.

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except those for Dec. 1-4, 1991, which was affected by ice. Record good, except for period of ice affect, which is poor. Maintained by William F. Howland.

RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	20	5.8	3.9	24	2.0	2.0	1.3	13	9.8	18
2	0.0	0.0	20	5.8	3.9	25	2.0	1.8	1.3	6.7	9.5	18
3	0.0	0.0	19	5.6	3.9	26	1.8	1.8	1.2	3.9	9.5	18
4	14	0.0	20	5.6	3.9	28	1.8	1.7	1.2	3.9	9.2	18
5	20	0.0	19	5.6	3.9	28	6.9	1.7	51	3.9	16	18
6	18	0.0	19	5.6	3.7	27	5.5	1.6	19	3.7	18	18
7	16	0.0	19	5.6	3.7	26	5.7	1.4	17	3.7	15	18
8	18	0.0	19	5.6	3.7	22	8.7	0.93	52	3.7	13	5.1
9	20	24	20	5.6	3.7	22	3.5	0.61	31	69	13	0.0
10	19	31	20	5.6	3.7	21	9.1	0.61	22	43	13	0.0
11	18	30	14	5.6	3.7	21	15	0.61	6.2	12	13	8.0
12	18	30	7.9	5.6	3.7	21	15	0.61	6.0	6.7	13	0.0
13	22	32	7.9	5.6	5.2	21	9.3	0.61	4.1	6.0	13	0.0
14	21	34	7.7	5.6	9.0	21	11	0.61	2.8	12	18	0.0
15	19	26	7.7	5.6	9.0	22	4.4	0.61	5.1	16	20	0.0
16	17	20	7.2	5.6	9.0	4.9	2.1	0.52	3.3	18	19	0.0
17	16	16	7.0	5.6	9.0	1.8	3.8	0.52	4.9	18	14	0.0
18	16	17	7.0	5.6	9.0	1.8	5.4	0.43	3.7	19	13	0.0
19	16	17	6.7	5.6	9.0	1.8	11	13	3.0	18	21	0.0
20	17	17	6.7	5.6	11	1.8	14	14	3.0	21	12	0.0
21	17	17	6.5	5.6	13	1.8	10	6.7	3.0	25	18	0.0
22	17	17	6.5	5.6	13	1.8	8.7	4.5	16	19	24	0.0
23	18	17	6.5	5.6	13	1.8	7.9	5.1	7.2	17	13	0.0
24	18	17	6.5	5.6	13	1.8	6.2	5.6	3.2	18	10	0.0
25	18	18	6.0	5.6	13	1.8	5.1	4.9	3.3	27	24	0.0
26	17	19	6.0	5.6	13	1.8	5.1	4.3	18	27	53	0.0
27	18	19	6.0	5.6	13	1.8	2.6	4.7	7.4	27	50	0.0
28	6.9	20	6.0	5.6	13	1.8	1.6	3.2	3.9	27	24	0.0
29	0.0	20	5.8	9.8	22	1.8	1.6	1.6	3.9	27	13	0.0
30	0.0	20	5.8	3.9	---	4.8	4.9	1.6	3.9	26	13	0.0
31	0.0	---	5.8	3.9	---	2.0	---	1.4	---	15	16	---
TOTAL	434.9	478	342.2	174.8	241.6	390.1	191.7	89.27	308.9	556.2	540.0	139.1
MEAN	14.0	15.9	11.0	5.64	8.33	12.6	6.39	2.88	10.3	17.9	17.4	4.64
AC-FT	863	948	679	347	479	774	380	177	613	1100	1070	276
MAX	22	34	20	9.8	22	28	15	14	52	69	53	18
MIN	0.0	0.0	5.8	3.9	3.7	1.8	1.6	0.43	1.2	3.7	9.2	0.0
CAL YR 1991 TOTAL		2802.56	MEAN	7.68	MAX	70	MIN	0.00	AC-FT	5560		
WTR YR 1992 TOTAL		3886.77	MEAN	10.6	MAX	69	MIN	0.00	AC-FT	7710		

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 mi<sup>2</sup>.

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

**REMARKS.**--Discharge computed by combining discharge of river below Ninemile Dam and Ninemile canal. The peak discharge for the water year was approximately 10,200 cfs, July 9, 1992. The combined record is considered good, except for periods of ice affect and flows above 1000 cfs which are fair to poor. Station maintained by William F. Howland.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	17	36	28	28	24	36	15	9.1	37	151	180
2	7.8	18	28	25	30	25	29	11	9.8	19	224	176
3	7.6	23	26	23	30	26	33	11	11	17	388	174
4	17	25	27	27	28	28	46	10	12	16	310	153
5	20	27	30	27	30	28	45	9.8	173	14	111	113
6	18	30	32	27	32	27	42	11	39	11	61	81
7	16	33	33	25	31	26	42	11	46	11	64	57
8	18	34	33	26	28	26	39	14	138	43	97	34
9	20	35	36	32	29	27	34	12	87	1750	76	26
10	19	31	36	33	30	25	45	7.9	53	98	57	25
11	18	30	32	29	30	23	46	7.7	33	67	52	24
12	18	30	35	33	30	23	44	7.3	32	55	175	18
13	22	33	35	32	29	22	42	7.5	25	53	116	16
14	21	35	28	21	25	22	38	7.0	25	52	324	13
15	19	28	30	23	25	22	34	6.3	29	67	144	12
16	17	28	24	26	25	18	32	8.0	31	117	185	13
17	16	30	31	34	24	20	36	6.4	30	77	122	13
18	16	34	34	25	24	21	28	5.3	28	327	103	12
19	16	41	34	23	24	23	42	14	29	172	303	14
20	17	45	31	32	25	27	40	14	24	96	146	14
21	17	46	28	32	23	28	36	6.7	44	232	236	11
22	17	40	30	36	24	30	35	4.5	51	480	298	11
23	18	35	32	28	25	29	32	5.1	28	270	154	11
24	18	38	32	37	24	26	28	5.6	24	165	111	11
25	18	36	36	31	24	29	26	4.9	68	310	618	8.9
26	17	30	30	28	25	31	25	4.3	67	751	672	9.5
27	18	32	28	31	26	29	24	4.7	20	281	194	11
28	13	33	26	32	25	26	21	4.9	19	131	172	10
29	13	32	27	30	25	25	19	5.7	24	99	158	11
30	15	32	24	33	---	34	17	5.9	31	105	125	11
31	16	---	25	30	---	42	---	7.8	---	74	120	---
TOTAL	511.3	961	949	899	778	812	1036	256.3	1239.9	5997	6067	1273.4
MEAN	16.5	32.0	30.6	29.0	26.8	26.2	34.5	8.27	41.3	193	196	42.4
AC-FT	1010	1910	1880	1780	1540	1610	2050	508	2460	11900	12030	2530
MAX	22	46	36	37	32	42	46	15	173	1750	672	180
MIN	7.6	17	24	21	23	18	17	4.3	9.1	11	52	8.9
CAL YR 1991 TOTAL	10950.20	MEAN	30.0	MAX	640	MIN	0.00	AC-FT	21720			
WTR YR 1992 TOTAL	20779.9	MEAN	56.8	MAX	1750	MIN	4.3	AC-FT	41220			

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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	7.6	6.9	0.93	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	9.2	6.1	0.85	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	13	5.2	0.84	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	15	4.5	0.71	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	14	4.1	0.84	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	13	4.0	1.1	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	12	3.9	0.88	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	14	7.4	0.84	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	14	4.8	0.93	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	17	3.9	0.94	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	16	3.5	0.94	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	21	3.7	0.67	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	24	4.0	0.72	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	22	3.0	0.68	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	17	2.6	0.64	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	13	2.5	0.77	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	14	2.2	0.85	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	16	2.0	0.64	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	17	2.0	0.53	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	1.9	0.13	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	13	1.7	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	13	1.6	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	14	1.6	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	15	1.8	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	13	2.1	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	14	1.6	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	10	1.4	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	10	1.2	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	9.0	1.2	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	11	7.9	1.1	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	9.2	---	1.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	280.10	422.7	94.5	15.43	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.04	14.1	3.05	0.50	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	556	838	187	31	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	24	7.4	1.1	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	7.6	1.0	0.0	0.0

CAL YR 1991 TOTAL 804.67 MEAN 2.20 MAX 35 MIN 0.00 AC-FT 1600  
WTR YR 1992 TOTAL 812.73 MEAN 2.22 MAX 24 MIN 0.00 AC-FT 1610

MAX DISCH 38 CFS AT 1730 13-JUN-1992 GH 1.33 FT. SHIFT 0.00 FT. MAX GH 1.33 FT. AT 1730  
13-JUN-1992

## 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	6.3	3.8	1.5	1.1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.0	3.8	1.5	1.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8	3.6	1.4	0.94
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.8	3.5	1.4	0.90
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	5.8	3.3	1.4	0.89
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.9	3.2	1.5	0.89
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	6.0	3.2	1.4	0.85
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	5.9	3.5	1.3	0.82
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	5.9	3.1	1.3	0.77
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	5.9	2.9	1.3	0.77
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	5.9	2.9	1.3	0.76
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	5.9	2.8	1.3	0.74
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	5.8	2.8	1.3	0.72
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	5.8	2.7	1.2	0.72
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	5.7	2.6	1.1	0.72
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.7	2.5	1.2	0.77
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.7	2.4	1.2	0.74
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.5	2.3	1.1	0.72
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	5.4	2.3	1.0	0.80
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.3	2.2	1.0	0.90
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	5.1	2.0	1.0	0.80
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	4.9	2.0	1.1	0.72
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	4.8	2.0	1.1	0.71
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	4.9	2.0	1.7	0.70
25	0.0	0.0	0.0	0.0	0.0	0.0	0.24	6.7	4.8	2.0	1.4	0.74
26	0.0	0.0	0.0	0.0	0.0	0.0	0.30	6.8	5.1	1.9	1.3	0.75
27	0.0	0.0	0.0	0.0	0.0	0.0	0.56	7.2	4.5	1.8	1.1	0.73
28	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.9	4.4	1.7	1.0	0.68
29	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.6	4.2	1.7	0.98	0.65
30	0.0	0.0	0.0	0.0	---	0.0	2.0	6.4	3.9	1.6	0.95	0.64
31	0.0	---	0.0	0.0	---	0.0	---	6.4	---	1.6	0.98	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	5.90	158.2	162.6	79.7	38.31	23.64
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.20	5.10	5.42	2.57	1.24	0.79
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	12	314	323	158	76	47
MAX	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.2	6.3	3.8	1.7	1.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.9	1.6	0.95	0.64

CAL YR 1991 TOTAL	428.67	MEAN	1.17	MAX	9.1	MIN	0.00	AC-FT	850
WTR YR 1992 TOTAL	468.35	MEAN	1.28	MAX	7.2	MIN	0.00	AC-FT	929

MAX DISCH	8.3 CFS AT 1700	08-MAY-1992	GH	0.69 FT.	SHIFT	-0.03 FT.	MAX GH	0.69 FT. AT 1700
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## 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	11	4.5	0.82	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	10	4.1	0.82	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	10	3.4	0.82	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	12	3.0	0.81	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	14	2.9	0.71	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	12	3.1	0.78	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	12	3.2	0.79	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	10	6.6	0.71	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	11	4.7	0.54	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	11	3.4	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	12	2.9	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	12	2.9	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	12	3.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	11	2.6	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	9.7	2.5	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.2	2.2	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	7.1	1.8	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	7.3	1.6	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	6.9	1.5	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	7.9	1.7	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	7.7	1.4	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	6.8	1.2	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	7.1	1.3	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	8.2	1.5	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	7.8	2.4	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	9.2	1.6	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	6.8	1.2	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	6.1	1.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	5.4	1.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	13	4.8	0.86	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	12	---	0.85	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	472.4	277.0	75.91	6.81	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	9.23	2.45	0.22	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	937	549	151	14	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	14	6.6	0.82	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	4.8	0.85	0.0	0.0

CAL YR 1991 TOTAL	1140.69	MEAN	3.13	MAX	33	MIN	0.00	AC-FT	2260
WTR YR 1992 TOTAL	832.12	MEAN	2.27	MAX	24	MIN	0.00	AC-FT	1650

MAX DISCH	29 CFS AT 2230	18-MAY-1992	GH	1.07 FT.	SHIFT	0.05 FT.	MAX GH	1.07 FT. AT 2230
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## ARKANSAS RIVER BASIN

## WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS

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

DRAINAGE AREA.--N/A

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

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

RATING TABLE.--WUREXD001 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.44	3.2	0.82	0.27	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	2.8	0.93	0.27	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	2.6	0.91	0.27	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	2.5	0.79	0.27	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	2.8	0.71	0.27	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	2.7	0.69	0.22	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.6	0.61	0.27	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.3	1.0	0.27	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	0.93	0.27	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.4	0.76	0.30	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.5	0.68	0.38	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.1	0.71	0.35	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.1	0.83	0.35	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.9	0.71	0.35	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.8	0.71	0.34	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.7	0.61	0.35	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.7	0.52	0.36	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	1.6	0.52	0.35	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	1.4	0.46	0.34	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	1.4	0.52	0.15	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.4	0.52	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.4	0.43	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.3	0.43	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.6	0.47	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.5	0.64	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.4	0.50	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.2	0.42	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.2	0.35	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.1	0.35	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	3.2	0.93	0.35	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	3.2	---	0.27	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89.34	57.63	19.15	6.01	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.88	1.92	0.62	0.19	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177	114	38	12	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	3.2	1.0	0.38	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.44	0.93	0.27	0.0	0.0

CAL YR 1991 TOTAL 283.39 MEAN 0.78 MAX 8.7 MIN 0.00 AC-FT 562  
WTR YR 1992 TOTAL 172.12 MEAN 0.47 MAX 4.7 MIN 0.00 AC-FT 341

MAX DISCH 345 CFS AT 1330 20-APR-1992 GH 5.40 FT. SHIFT 0.00 FT. MAX GH 5.40 FT. AT 1330  
20-APR-1992



## 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. During a cooperative measurement on Aug. 19, 1992, it was noted the floor of the flume was about 0.07 feet below the bottom of the inside staff gage, which has been the primary source of readings for discharge measurements, due to turbulence in the flume. The difference was calculated and adjustments were made to all measurements for 1992. The rating shift reflected this adjustment. Station maintained and records developed by L. R. Schultz.

**RATING TABLE.**--HOMTUNCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	109	0.0	0.0	0.0	0.0	269	0.0	0.0	0.0	0.0	108
2	0.0	108	0.0	0.0	0.0	0.0	268	0.0	0.0	0.0	0.0	108
3	0.0	108	0.0	0.0	0.0	0.0	267	0.0	0.0	0.0	0.0	108
4	0.0	108	0.0	0.0	0.0	0.0	266	0.0	0.0	0.0	0.0	108
5	0.0	108	0.0	0.0	0.0	0.0	264	0.0	0.0	0.0	0.0	108
6	0.0	108	0.0	0.0	0.0	0.0	263	0.0	0.0	0.0	0.0	108
7	0.0	108	0.0	0.0	0.0	0.0	262	0.0	0.0	0.0	0.0	108
8	0.0	108	0.0	0.0	0.0	0.0	261	0.0	0.0	0.0	0.0	108
9	0.0	108	0.0	0.0	0.0	0.0	260	0.0	0.0	0.0	0.0	108
10	0.0	108	0.0	0.0	0.0	0.0	108	0.0	0.0	0.0	0.0	108
11	0.0	108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108
12	0.0	108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108
13	0.0	107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108
14	0.0	107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108
15	0.0	107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108
16	0.0	107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108
17	0.0	107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108
18	69	106	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0	108
19	110	106	0.0	0.0	0.0	16	0.0	0.0	0.0	0.0	60	108
20	110	106	0.0	0.0	0.0	16	0.0	0.0	0.0	0.0	107	108
21	110	106	0.0	0.0	0.0	168	0.0	0.0	0.0	0.0	107	108
22	110	53	0.0	0.0	0.0	283	0.0	0.0	0.0	0.0	107	108
23	110	0.0	0.0	0.0	0.0	282	0.0	0.0	0.0	0.0	107	108
24	110	0.0	0.0	0.0	0.0	280	0.0	0.0	0.0	0.0	108	108
25	110	0.0	0.0	0.0	0.0	278	0.0	0.0	0.0	0.0	109	45
26	110	0.0	0.0	0.0	0.0	277	0.0	0.0	0.0	0.0	108	0.0
27	110	0.0	0.0	0.0	0.0	276	0.0	0.0	0.0	0.0	108	0.0
28	110	0.0	0.0	0.0	0.0	274	0.0	0.0	0.0	0.0	108	73
29	110	0.0	0.0	0.0	0.0	273	0.0	0.0	0.0	0.0	108	117
30	109	0.0	0.0	0.0	---	272	0.0	0.0	0.0	0.0	108	117
31	109	---	0.0	0.0	---	271	---	0.0	---	0.0	108	---
TOTAL	1497	2309	0.0	0.0	0.0	2975.3	2488	0.0	0.0	0.0	1353	2944
MEAN	48.3	77.0	0.0	0.0	0.0	96.0	82.9	0.0	0.0	0.0	43.6	98.1
AC-FT	2970	4580	0.0	0.0	0.0	5900	4930	0.0	0.0	0.0	2680	5840
MAX	110	109	0.0	0.0	0.0	283	269	0.0	0.0	0.0	109	117
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1991 TOTAL 4026.7 MEAN 11.0 MAX 110 MIN 0.00 AC-FT 7990  
WTR YR 1992 TOTAL 13566.3 MEAN 37.1 MAX 283 MIN 0.00 AC-FT 26910

MAX DISCH 279 CFS AT 0945 25-MAR-1992 GH 2.90 FT. SHIFT 0.15 FT. MAX GH 2.90 FT. AT 0945  
25-MAR-1992

## 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. Schultztz.

RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	2.6	1.8	1.1	2.0	2.1	2.0	86	134	256	53	0.52
2	2.2	2.7	1.9	1.2	2.0	2.2	2.0	101	127	196	53	0.52
3	2.4	2.7	2.1	1.2	2.0	2.1	2.0	116	144	160	38	0.52
4	2.5	3.0	2.5	1.2	2.0	2.1	2.0	183	184	165	40	0.52
5	2.5	3.0	2.6	1.2	2.0	2.0	2.0	164	221	203	1.4	0.52
6	2.5	3.0	2.7	1.2	2.0	2.0	2.0	177	228	198	1.4	0.52
7	2.5	3.0	2.7	1.2	2.0	2.0	2.0	190	230	206	1.4	0.52
8	2.5	3.0	2.7	1.2	2.0	2.0	1.9	188	213	284	1.5	0.52
9	2.5	3.2	2.5	1.3	2.0	2.0	1.9	190	222	241	1.1	0.52
10	2.5	3.3	2.5	1.4	2.2	2.0	1.7	169	224	186	0.66	0.52
11	2.5	3.3	2.5	1.4	2.2	2.0	1.6	138	267	170	0.66	0.52
12	2.5	18	2.5	1.5	2.2	2.0	1.7	138	293	152	0.66	0.52
13	2.5	66	2.5	1.6	2.2	2.0	1.9	141	414	142	0.66	0.52
14	2.5	13	2.5	1.6	2.2	2.0	2.4	168	402	134	0.60	0.52
15	2.5	0.99	2.5	1.6	2.1	2.0	4.0	183	339	123	0.52	0.52
16	2.4	1.00	13	1.6	2.0	2.0	3.7	207	307	124	0.52	0.52
17	2.2	1.2	63	1.6	2.0	2.0	2.6	242	245	101	0.53	0.52
18	2.2	1.2	38	1.6	2.0	2.0	8.9	308	286	91	0.52	0.52
19	2.2	1.2	2.3	1.7	2.2	2.0	2.2	334	351	93	0.52	0.52
20	2.2	1.2	2.5	1.6	2.2	2.0	2.4	352	382	93	0.52	0.52
21	2.2	1.3	2.5	1.6	2.2	2.0	2.5	370	375	97	0.52	0.52
22	2.2	1.6	2.5	1.6	2.2	2.0	2.5	346	361	88	0.53	0.52
23	2.2	1.8	2.5	1.6	2.2	2.0	2.5	302	413	74	0.52	0.52
24	2.2	1.8	2.5	1.6	2.1	2.0	2.5	333	442	100	0.52	0.52
25	2.2	2.0	2.5	1.8	2.0	2.0	7.1	288	384	145	0.66	0.52
26	2.2	2.0	1.8	1.8	2.2	2.0	2.8	294	375	176	0.69	0.52
27	2.2	2.2	0.93	1.8	2.2	2.0	2.1	290	313	130	0.66	0.52
28	2.2	1.8	0.99	1.8	2.2	2.0	2.3	240	291	101	0.55	0.52
29	2.5	1.6	0.99	1.8	2.2	2.0	3.8	189	334	77	0.52	0.52
30	2.5	1.6	0.99	2.0	---	2.0	7.3	168	304	87	0.52	0.52
31	2.5	---	1.0	2.0	---	2.0	---	150	---	58	0.52	---
TOTAL	73.1	154.29	174.50	47.4	61.0	62.5	365.3	6745	8805	4451	203.37	15.60
MEAN	2.36	5.14	5.63	1.53	2.10	2.02	12.2	218	294	144	6.56	0.52
AC-FT	145	306	346	94	121	124	725	13380	17460	8830	403	31
MAX	2.5	66	63	2.0	2.2	2.2	7.3	370	442	284	53	0.52
MIN	2.2	0.99	0.93	1.1	2.0	2.0	1.6	86	127	58	0.52	0.52

CAL YR 1991 TOTAL 21572.39 MEAN 59.1 MAX 574 MIN 0.82 AC-FT 42790  
WTR YR 1992 TOTAL 21158.06 MEAN 57.8 MAX 442 MIN 0.52 AC-FT 41970

MAX DISCH 562 CFS AT 2300 23-JUN-1992 GH 4.73 FT. SHIFT 0.00 FT. MAX GH 4.73 FT. AT 2300  
23-JUN-1992

## TRANSMOUNTAIN DIVERSION TO

## ARKANSAS RIVER BASIN

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE, CO

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

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

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

**RATING TABLE**--BOUTUNCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	2.9	2.6	2.6	2.9	3.2	2.3	172	191	312	13	16
2	3.5	2.9	2.6	2.6	2.9	3.2	2.3	177	147	263	12	20
3	3.5	2.9	2.6	2.6	2.9	3.2	2.3	184	206	203	7.5	12
4	3.5	2.9	2.6	2.6	2.9	3.2	2.3	193	330	212	7.0	6.2
5	3.5	2.9	2.6	2.6	2.9	3.2	2.2	217	386	224	6.2	5.1
6	3.5	2.9	2.6	2.6	2.9	3.2	1.7	238	375	248	13	3.1
7	3.5	2.9	2.6	2.6	2.9	2.9	1.7	238	372	255	21	2.9
8	3.8	2.9	2.6	2.6	2.9	2.9	1.7	281	310	445	18	2.9
9	3.8	2.7	2.6	2.6	2.9	2.9	1.7	281	339	326	8.1	2.9
10	3.8	2.6	2.6	2.6	2.9	2.9	1.7	202	378	226	12	2.9
11	3.8	2.6	2.6	2.6	2.9	2.9	1.7	158	441	176	18	2.9
12	3.8	2.6	2.6	2.6	2.9	2.9	1.9	188	499	187	15	2.9
13	3.8	2.6	2.6	2.6	2.9	2.9	1.8	218	571	219	15	2.9
14	3.8	2.6	2.6	2.6	2.9	2.9	1.7	279	569	157	9.6	2.9
15	3.4	2.6	2.6	2.6	2.9	2.9	1.7	314	475	113	2.6	2.9
16	2.6	2.6	2.6	2.6	2.9	2.9	1.7	346	346	115	2.6	2.9
17	2.6	2.6	2.6	2.6	2.9	2.8	1.7	364	303	88	16	2.9
18	2.6	2.6	2.6	2.6	2.9	2.6	1.7	426	430	70	21	2.9
19	2.6	2.6	2.6	2.6	2.9	2.6	1.7	510	510	66	9.5	2.9
20	2.6	2.6	2.6	2.6	2.9	2.6	1.7	618	527	76	2.6	2.9
21	2.6	2.6	2.6	2.6	3.1	2.6	1.7	652	500	86	2.6	2.9
22	2.7	2.6	2.6	2.6	3.2	2.8	2.0	588	459	54	2.8	2.9
23	2.9	2.6	2.6	2.6	3.2	2.9	2.3	587	455	47	3.4	2.9
24	2.9	2.6	2.6	2.6	3.2	2.9	2.5	588	472	53	19	2.9
25	2.9	2.6	2.6	2.6	3.1	2.9	2.9	512	485	93	35	2.9
26	2.9	2.6	2.6	2.6	3.2	2.9	2.9	540	498	98	58	2.9
27	2.9	2.6	2.6	2.6	3.2	2.6	3.1	569	412	50	42	2.9
28	2.9	2.6	2.6	2.6	3.2	2.2	11	416	394	28	29	2.9
29	2.9	2.6	2.6	2.6	3.2	2.3	36	325	341	18	17	2.9
30	2.9	2.6	2.6	2.6	---	2.3	89	289	297	15	11	2.9
31	2.9	---	2.6	2.6	---	2.3	---	253	---	9.0	9.4	---
TOTAL	98.9	80.5	80.6	80.6	86.6	87.5	190.6	10923	12018	4532.0	458.9	132.0
MEAN	3.19	2.68	2.60	2.60	2.99	2.82	6.35	352	401	146	14.8	4.40
AC-FT	196	160	160	160	172	174	378	21670	23840	8990	910	262
MAX	3.8	2.9	2.6	2.6	3.2	3.2	89	652	571	445	58	20
MIN	2.6	2.6	2.6	2.6	2.9	2.2	1.7	158	147	9.0	2.6	2.9
CAL YR 1991 TOTAL	30870.12		MEAN	84.6	MAX	859	MIN	0.81	AC-FT	61230		
WTR YR 1992 TOTAL	28769.2		MEAN	78.6	MAX	652	MIN	1.7	AC-FT	57060		
MAX DISCH	821 CFS AT 2230		23-MAY-1992 GH			5.25 FT. SHIFT		0.00 FT. MAX GH		5.25 FT. AT 2230		
23-MAY-1992												



## TRANSMOUNTAIN DIVERSION TO

## ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO

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

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

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

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

**RATING TABLE.**--LARDITCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.72	0.80
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.80	0.72
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.72	0.72
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.72	0.72
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.64	0.72
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.72	0.64
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.80	0.64
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	1.1	0.72	0.64
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.98	0.64	0.64
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.89	0.89	0.64
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.89	0.89	0.56
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.98	0.72	0.56
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.89	0.64	0.56
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.89	0.98	0.64
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.80	0.89	0.80
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.89	0.72	0.64
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.80	0.72	0.64
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.80	0.64	0.64
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.80	0.64	0.72
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.72	0.64	0.72
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.72	0.56	0.64
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.72	0.72	0.64
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.98	0.89	0.28
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.98	2.9	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.8	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.2	1.6	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.80	1.1	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.80	0.89	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.89	0.89	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.2	0.80	0.89	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.72	0.89	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.33	28.36	27.98	14.92
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.08	0.91	0.90	0.50
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	56	55	30
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.4	2.9	0.80
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.56	0.0

CAL YR 1991 TOTAL 48.20 MEAN 0.13 MAX 2.6 MIN 0.00 AC-FT 96  
WTR YR 1992 TOTAL 103.59 MEAN 0.28 MAX 2.9 MIN 0.00 AC-FT 205

MAX DISCH 5.9 CFS AT 1500 24-AUG-1992 GH 0.58 FT. SHIFT -0.05 FT. MAX GH 0.58 FT. AT 1500  
24-AUG-1992









## RIO GRANDE BASIN

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK, CO

**LOCATION.**--Lat 37°39'25", long 106°38'55", in SW¼SE¼ sec.3, T.39 N., R.3 E., Rio Grande County, Hydrologic Unit 13010001, on left bank near U.S. Highway 160, 0.1 mile downstream from Church Creek, 0.9 mi southwest of village of South Fork, and 1.5 mi upstream from mouth.

**DRAINAGE AREA.**--216 mi<sup>2</sup>.

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

**REMARKS.**--Transmountain diversions from Colorado River basin to drainage area upstream from station through Treasure Pass ditch. Natural flow of stream affected by a few small diversions for irrigation, slight regulation by Beaver Creek Reservoir, Capacity, 4,760 acre-ft. and several smaller storage reservoirs. Record is complete and reliable except for Nov. 24-29 and Dec. 2-16, 1991 when the floats were frozen and Dec. 17, 1991-Apr. 8, 1992 when the station was closed for the winter. Stage-discharge relation ice affected Oct. 31-Nov. 9; Nov. 19-23,30, and Dec. 1, 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.**--RIOSFKC008 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	50	48	52	52	54	100	697	538	174	86	137
2	81	48	44	48	54	56	100	690	467	161	80	142
3	78	40	46	48	58	60	110	670	461	149	79	123
4	76	42	50	58	56	64	120	580	473	138	83	108
5	73	45	50	52	52	60	120	548	555	130	82	100
6	72	48	52	54	52	56	130	572	551	120	78	93
7	70	48	50	58	52	56	140	639	537	107	80	87
8	68	46	54	52	54	64	160	619	529	104	77	83
9	67	48	52	48	54	56	183	651	489	101	76	79
10	66	50	52	50	54	54	207	588	447	90	69	75
11	64	51	64	54	54	54	237	506	425	90	70	72
12	64	45	58	54	54	58	255	533	443	103	61	70
13	64	43	52	50	56	60	305	597	466	109	72	68
14	62	48	50	50	58	62	365	682	444	104	66	71
15	60	50	50	52	52	64	354	718	406	88	61	99
16	59	58	52	52	54	64	302	732	362	81	62	92
17	58	56	56	54	56	68	289	762	323	76	76	80
18	57	53	56	50	50	66	302	800	311	77	64	73
19	54	48	60	48	50	64	253	819	317	83	57	292
20	50	44	56	50	52	64	220	921	316	81	54	227
21	50	52	54	52	56	70	203	979	317	85	51	178
22	50	48	58	56	54	78	205	873	306	84	53	154
23	51	44	54	58	56	74	200	814	277	81	129	143
24	52	46	52	56	52	72	219	796	258	144	476	136
25	54	54	52	56	56	72	264	747	246	143	422	121
26	55	56	52	54	52	78	303	787	234	177	309	107
27	58	56	50	54	54	90	346	893	225	137	245	105
28	66	62	50	52	54	90	448	829	212	123	195	101
29	70	60	52	52	54	90	559	743	199	106	166	93
30	71	54	52	54	---	90	635	688	187	98	150	90
31	54	---	54	54	---	94	---	616	---	90	147	---
TOTAL	1960	1493	1632	1632	1562	2102	7634	22089	11321	3434	3776	3399
MEAN	63.2	49.8	52.6	52.6	53.9	67.8	254	713	377	111	122	113
AC-FT	3890	2960	3240	3240	3100	4170	15140	43810	22460	6810	7490	6740
MAX	86	62	64	58	58	94	635	979	555	177	476	292
MIN	50	40	44	48	50	54	100	506	187	76	51	68

CAL YR 1991 TOTAL 79254 MEAN 217 MAX 1440 MIN 36 AC-FT 157200  
WTR YR 1992 TOTAL 62034 MEAN 169 MAX 979 MIN 40 AC-FT 123000

MAX DISCH 1044 CFS AT 1715 24-AUG-1992 GH 4.38 FT. SHIFT -0.14 FT. MAX GH 4.38 FT. AT 1715





## RIO GRANDE BASIN

082215000 RIO GRANDE NEAR MONTE VISTA, CO

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

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

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

**REMARKS.**--Diversions above station for irrigation of about 90,000 acres. Flow regulated by Beaver Creek, Santa Maria, Rio Grande, and Continental Reservoirs, combined capacity 126,100 acre-ft, and by several smaller reservoirs. Transmountain diversions to drainage area above station from Colorado River basin. Record is complete and reliable except for the following periods: Nov. 1-3, 7-8; Dec. 4-5, 1991; Jan. 1-11, 1992 when the clock stopped and the satellite data was incomplete. Jan. 12-Mar. 16, 1992 when the station was closed for the winter. Nov. 29, 1991; Mar. 23-31; Apr. 1-7, 1992 when the pen was sticking and the satellite data was incomplete. Stage-discharge relation was ice affected Oct. 30-31; Nov. 26-28, 30; Dec. 2, 6-31, 1991. Record is good except for periods of ice affected record and no gage-height record which is fair. Station maintained and records developed by Division III Hydrographic staff.

**RATING TABLE.**--RIOMONCO17 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	42	103	175	125	175	370	433	528	553	135	101
2	74	75	94	170	130	175	365	455	469	558	139	77
3	66	50	94	160	140	185	365	511	620	324	148	89
4	63	49	106	165	150	205	370	494	826	295	140	86
5	60	83	123	190	150	240	385	484	753	326	123	86
6	56	150	115	175	135	240	385	479	945	294	137	61
7	52	163	115	180	130	215	400	631	685	292	143	39
8	50	132	115	205	130	215	443	637	443	316	141	38
9	48	119	115	165	150	235	488	632	580	302	154	40
10	48	129	130	150	155	215	541	605	604	211	117	45
11	50	124	135	150	145	210	603	503	595	160	93	58
12	48	75	150	155	145	225	634	514	563	203	104	75
13	53	30	130	155	150	255	677	618	584	207	105	71
14	59	21	160	150	155	285	446	706	542	217	107	61
15	63	27	165	135	170	290	397	706	467	205	86	68
16	65	77	165	135	160	290	297	699	429	183	73	119
17	65	71	165	135	155	280	159	662	615	185	64	98
18	64	80	185	140	170	310	94	699	641	179	64	84
19	69	81	185	130	150	320	84	742	660	186	50	139
20	68	67	205	125	145	335	112	936	787	172	49	421
21	62	59	200	130	160	365	175	1010	652	157	45	266
22	59	104	200	130	180	370	223	830	593	146	63	144
23	60	133	205	135	175	345	227	875	620	146	79	70
24	65	105	185	135	180	340	196	978	634	169	234	60
25	63	134	175	135	170	325	208	904	580	227	786	66
26	61	140	175	145	180	340	206	825	524	407	254	60
27	64	150	185	130	180	355	240	1010	547	359	176	54
28	68	130	170	130	180	345	309	953	477	280	125	60
29	54	130	160	130	180	345	352	785	391	212	134	56
30	43	110	160	130	---	355	356	679	375	145	139	75
31	40	---	170	135	---	370	---	665	---	129	112	---
TOTAL	1839	2840	4740	4610	4525	8755	10107	21660	17729	7745	4319	2767
MEAN	59.3	94.7	153	149	156	282	337	699	591	250	139	92.2
AC-FT	3650	5630	9400	9140	8980	17370	20050	42960	35170	15360	8570	5490
MAX	79	163	205	205	180	370	677	1010	945	558	786	421
MIN	40	21	94	125	125	175	84	433	375	129	45	38

CAL YR 1991 TOTAL 121023 MEAN 332 MAX 1850 MIN 21 AC-FT 240000  
WTR YR 1992 TOTAL 91636 MEAN 250 MAX 1010 MIN 21 AC-FT 181800

MAX DISCH 1300 CFS AT 0900 21-MAY-1992 GH 4.77 FT. SHIFT -0.02 FT. MAX GH 4.77 FT. AT 0900  
21-MAY-1992



RIO GRANDE BASIN  
CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO  
RIO GRANDE COMPACT STATION

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

**DRAINAGE AREA.**--

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

**REMARKS.**--Record is complete and reliable except for Oct. 31-Nov.1, 1991 when the clock stopped and there was only partial satellite record; Dec. 5-12, 1991 when the well was frozen; May 17-20, 1992 when the recorder float cable was caught on the floor. Stage-discharge relation affected by submergence from backwater created by check structure below flume Jan. 15-16, 21-23, 25-31; Feb. 1-3, 6-17; May 28, 31; Jun. 2-3, 10-12, 16, 20-30; Jul. 1, 30-31; Aug. 1-12, 21, 26, 1992. Record is good except for periods of no record and backwater affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

**RATING TABLE.**--CBPALACO01 USED FROM 02-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	29	29	31	26	28	30	29	48	43	31	23
2	19	28	28	30	25	29	26	32	47	43	30	24
3	20	26	26	29	24	28	26	29	44	41	26	27
4	23	24	24	30	21	28	26	28	45	40	28	23
5	26	20	24	30	19	28	28	25	42	39	28	25
6	26	24	26	29	26	28	29	25	36	39	29	26
7	25	23	27	25	29	28	28	21	33	40	30	23
8	25	24	28	22	24	26	27	23	39	39	30	23
9	22	24	29	20	27	27	28	28	40	35	29	21
10	21	27	29	20	28	28	27	29	46	33	28	21
11	21	27	28	15	25	27	28	31	44	31	27	20
12	21	25	28	20	29	26	26	33	37	31	26	21
13	21	25	30	29	23	26	25	34	29	31	24	23
14	23	25	29	28	22	25	26	31	27	34	25	22
15	17	25	29	26	22	25	24	29	35	32	26	19
16	22	29	28	25	23	25	21	31	43	30	25	19
17	26	31	27	25	24	27	23	39	36	29	26	21
18	32	29	28	24	23	28	25	41	32	29	21	22
19	28	30	30	26	25	28	22	51	36	26	18	26
20	26	28	29	27	25	29	31	44	47	25	17	26
21	25	27	29	25	26	28	33	41	54	24	26	26
22	21	27	32	23	25	28	28	45	50	24	23	24
23	22	26	31	26	23	31	27	44	50	28	21	22
24	29	27	30	28	26	30	23	44	41	26	26	23
25	32	25	28	29	25	30	20	42	43	22	30	23
26	28	29	27	30	24	32	27	44	43	20	30	26
27	27	27	26	30	24	31	28	46	43	21	30	23
28	26	26	24	29	26	29	27	54	38	27	25	23
29	28	27	23	28	26	30	26	51	37	27	23	24
30	30	26	25	27	---	29	29	49	39	29	22	26
31	29	---	27	30	---	28	---	48	---	29	22	---
TOTAL	762	790	858	816	715	870	794	1141	1224	967	802	695
MEAN	24.6	26.3	27.7	26.3	24.7	28.1	26.5	36.8	40.8	31.2	25.9	23.2
AC-FT	1510	1570	1700	1620	1420	1730	1570	2260	2430	1920	1590	1380
MAX	32	31	32	31	29	32	33	54	54	43	31	27
MIN	17	20	23	15	19	25	20	21	27	20	17	19
CAL YR 1991 TOTAL		9874	MEAN	27.1	MAX	48	MIN	14	AC-FT	19590		
WTR YR 1992 TOTAL		10434	MEAN	28.5	MAX	54	MIN	15	AC-FT	20700		
MAX DISCH		77 CFS	AT 1345	28-MAY-1992	GH	1.35	FT.	SHIFT	0.01	FT.	MAX	GH
31-JUL-1992											1.77	FT. AT 0830

## RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO

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

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

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

**REMARKS.**--Natural flow affected by Tarbell Ditch Transmountain Diversion and irrigation diversions above the station. Record is complete and reliable except for Nov. 4-5, 1991; Jan. 4-6; May 4-9, 12-14, 1992 because the chart clock stopped and there was missing satellite data. Stage-discharge relation ice affected Oct. 30-31; Nov. 1-3, 6-10, 14, 20-30; Dec. 1-31, 1991; Jan. 1-3, 7-31; Feb. 1-29; Mar 1-10, 12-13, 17, 1992. 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	22	18	25	25	22	42	82	126	56	50	82
2	35	23	18	20	25	24	41	84	118	52	48	76
3	32	22	20	19	30	24	42	86	103	48	48	69
4	30	28	21	27	26	29	47	88	100	41	50	67
5	29	31	24	24	23	24	48	87	103	38	52	64
6	29	31	24	25	22	24	49	85	112	36	60	63
7	30	34	23	32	22	22	53	88	113	40	75	66
8	30	31	24	23	24	23	55	88	114	50	63	62
9	29	32	25	24	25	27	61	89	134	54	62	59
10	29	40	23	20	26	22	66	86	134	46	56	55
11	29	40	30	23	24	21	67	79	144	46	58	53
12	29	33	24	23	24	26	63	77	148	56	59	53
13	29	24	23	23	24	31	68	79	123	72	57	49
14	30	25	21	20	29	34	71	78	107	67	53	52
15	30	45	22	20	24	33	73	84	99	56	53	57
16	30	41	22	20	24	33	67	82	90	52	50	60
17	30	37	26	22	27	31	61	83	86	46	49	56
18	28	36	26	21	22	28	61	88	88	43	47	54
19	29	23	31	18	19	28	56	88	93	48	40	58
20	29	21	28	20	22	27	48	101	91	51	37	68
21	29	22	26	22	25	31	44	120	91	54	36	60
22	29	21	28	24	24	31	45	105	88	56	40	53
23	30	20	24	26	25	32	46	100	85	58	48	48
24	31	20	23	24	24	31	45	100	82	92	92	45
25	31	25	23	24	25	31	49	101	89	111	142	45
26	29	25	23	23	21	38	55	120	89	136	118	44
27	28	24	21	24	24	38	57	141	73	89	104	42
28	32	24	20	24	24	38	62	144	65	80	87	46
29	25	28	21	24	22	41	64	130	61	68	79	48
30	22	24	22	25	---	46	74	123	61	64	77	35
31	24	---	26	25	---	46	---	136	---	56	78	---
TOTAL	913	852	730	714	701	936	1680	3022	3010	1862	1968	1689
MEAN	29.5	28.4	23.5	23.0	24.2	30.2	56.0	97.5	100	60.1	63.5	56.3
AC-FT	1810	1690	1450	1420	1390	1860	3330	5990	5970	3690	3900	3350
MAX	37	45	31	32	30	46	74	144	148	136	142	82
MIN	22	20	18	18	19	21	41	77	61	36	36	35

CAL YR 1991 TOTAL 19158 MEAN 52.5 MAX 189 MIN 18 AC-FT 38000  
WTR YR 1992 TOTAL 18077 MEAN 49.4 MAX 148 MIN 18 AC-FT 35860

MAX DISCH 160 CFS AT 1500 11-JUN-1992 GH 2.35 FT. SHIFT -0.08 FT. MAX GH 2.85 FT. AT 2130  
24-JAN-1992

RIO GRANDE BASIN  
CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO

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

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

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

**REMARKS**--Record is complete and reliable except for the following periods: Nov. 24-25, 1991 when stage-discharge relation was ice-affected. Dec. 23, 1991-Jan. 13, 1992 when the float was frozen. Jan. 14-Mar. 31, 1992 when station was closed for the winter. 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	4.8	3.8	1.8	2.2	2.3	3.4	62	46	43	17	25
2	5.9	4.4	3.8	1.5	2.4	2.5	3.6	62	45	35	17	22
3	5.6	4.8	3.8	1.3	2.8	2.7	3.8	55	46	33	15	22
4	5.6	4.6	3.6	1.7	2.6	3.0	4.0	49	51	34	15	19
5	5.6	4.2	3.6	1.9	2.5	2.5	4.2	49	68	34	15	18
6	5.6	4.2	3.6	2.0	1.7	2.7	4.8	53	80	34	16	17
7	5.2	4.2	3.6	2.4	2.1	2.6	5.2	66	80	35	18	15
8	5.2	4.0	3.6	2.1	2.3	2.9	5.6	72	75	35	17	15
9	5.2	4.0	3.6	1.7	2.5	2.7	7.7	75	59	34	15	14
10	5.0	4.0	3.6	1.5	2.4	2.6	9.8	59	55	32	15	14
11	5.0	4.0	3.6	1.7	2.6	2.2	11	46	66	26	15	13
12	4.6	3.6	3.6	2.0	2.6	2.3	12	45	82	23	15	12
13	4.4	3.6	3.6	1.6	2.6	2.4	15	46	95	22	14	11
14	4.6	3.8	3.2	1.4	2.8	2.6	18	51	98	19	15	11
15	4.6	4.0	3.0	1.6	2.4	2.7	18	59	88	18	20	13
16	4.2	4.2	3.0	1.4	2.2	2.8	18	66	64	18	19	12
17	4.0	4.2	2.8	1.6	2.3	3.0	16	77	55	17	21	10
18	3.8	4.0	2.8	1.5	2.0	2.9	15	85	59	17	20	10
19	4.0	4.0	2.6	1.4	1.7	2.8	14	88	72	17	19	12
20	3.6	3.6	2.6	1.4	1.9	2.8	12	104	72	16	18	12
21	3.6	5.0	2.4	1.5	2.3	2.8	11	127	82	17	16	12
22	3.6	4.4	2.4	1.7	2.2	3.3	11	111	66	18	16	11
23	3.4	2.0	2.2	1.8	2.4	2.9	11	90	53	19	19	10
24	3.4	2.0	2.0	2.0	2.1	3.1	12	75	53	23	76	10
25	3.6	4.8	1.8	1.9	2.4	3.0	15	62	57	24	85	10
26	3.8	5.2	2.1	2.2	2.1	3.3	17	57	55	34	77	9.8
27	4.0	4.4	1.9	2.1	2.1	3.6	22	72	49	30	57	9.8
28	3.8	3.8	1.6	2.0	2.1	3.5	28	66	43	24	46	9.4
29	3.6	3.6	1.7	2.1	2.1	3.5	40	57	41	22	37	9.1
30	4.4	3.8	1.7	2.2	--	3.7	57	53	45	22	32	9.1
31	4.6	--	2.2	2.2	--	3.4	--	49	--	18	28	--
TOTAL	139.7	121.2	89.4	55.2	66.4	89.1	425.1	2088	1900	793	825	397.2
MEAN	4.51	4.04	2.88	1.78	2.29	2.87	14.2	67.4	63.3	25.6	26.6	13.2
AC-FT	277	240	177	109	132	177	843	4140	3770	1570	1640	788
MAX	6.2	5.2	3.8	2.4	2.8	3.7	57	127	98	43	85	25
MIN	3.4	2.0	1.6	1.3	1.7	2.2	3.4	45	41	16	14	9.1
CAL YR 1991 TOTAL		4404.1	MEAN	12.1	MAX	80	MIN	1.6	AC-FT	8740		
WTR YR 1992 TOTAL		6989.3	MEAN	19.1	MAX	127	MIN	1.3	AC-FT	13860		
MAX DISCH		171 CFS	AT 1930	24-AUG-1992	GH	2.33 FT.	SHIFT	-0.04 FT.	MAX GH	2.33 FT.	AT 1930	





RIO GRANDE BASIN  
CLOSED BASIN IN SAN LUIS VALLEY,  
08231000 LA GARITA CREEK NEAR LA GARITA, CO

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

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

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

**REMARKS.**--Diversions above station for irrigation. Record is complete and reliable except for the following periods: Nov. 27-29; Dec. 1-12, 1991 when the float was frozen. Dec. 13-1991-Mar. 31, 1992 when the station was closed for the winter. Stage-discharge relation was ice affected Oct. 31; Nov. 1, 8, 12-14, 17-26, 30, 1991; Apr. 1-7, 10-11, 1992. 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.**--LAGLAGCO12 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	3.7	2.9	3.4	3.7	4.7	5.7	50	38	8.5	6.6	8.5
2	3.8	3.8	3.0	3.0	3.9	4.9	5.8	43	36	8.5	5.9	8.1
3	3.4	3.1	3.2	2.7	4.3	5.0	6.6	37	31	8.5	7.0	7.7
4	3.4	2.9	3.4	3.4	4.0	5.6	7.0	33	30	7.7	7.3	7.7
5	3.1	4.4	3.7	3.2	3.8	5.0	7.0	31	29	7.0	7.0	7.3
6	3.4	4.1	3.5	3.3	3.6	5.2	6.6	31	29	7.0	9.5	7.0
7	3.6	5.0	3.3	3.9	3.7	5.0	7.0	31	28	6.2	10	6.2
8	3.6	4.1	3.4	3.1	3.9	5.2	7.7	29	28	7.0	8.5	6.2
9	3.6	3.8	3.6	3.2	4.1	5.6	9.0	31	31	7.3	9.5	6.2
10	3.6	5.0	3.5	3.0	4.2	5.2	10	30	31	7.0	9.2	5.9
11	3.6	4.7	4.4	3.2	3.9	5.0	14	25	31	8.5	13	5.6
12	3.4	3.4	3.7	3.2	4.0	5.2	16	24	30	8.5	9.0	5.3
13	3.4	4.4	3.4	3.1	3.9	5.0	19	25	24	13	8.1	5.0
14	3.4	5.0	3.0	2.9	4.3	4.8	20	24	22	13	7.0	5.0
15	3.4	5.0	3.2	2.9	4.0	4.9	20	24	21	9.5	7.7	5.9
16	3.1	4.7	3.4	2.9	3.9	4.7	15	24	20	9.0	6.6	6.6
17	3.1	4.6	3.8	3.1	4.2	5.0	16	23	19	8.1	6.2	6.2
18	3.1	4.2	3.8	2.9	3.8	4.9	22	23	18	7.7	5.9	5.3
19	2.9	4.0	4.4	2.6	3.5	4.6	16	24	16	8.1	5.0	6.2
20	3.1	3.4	4.2	2.8	3.7	4.6	13	33	15	7.7	5.0	6.2
21	3.1	3.5	3.9	3.0	4.0	5.0	12	32	15	8.5	5.0	5.6
22	3.4	3.3	4.0	3.4	3.9	4.9	13	30	16	7.7	6.6	5.3
23	3.4	3.1	3.7	3.7	4.1	4.8	14	37	14	9.0	8.1	5.3
24	3.6	3.1	3.4	3.5	3.9	5.2	15	49	14	15	25	5.6
25	3.8	3.6	3.6	3.4	4.2	4.7	22	41	14	14	34	5.3
26	3.8	3.5	3.5	3.2	4.0	5.0	23	40	14	19	15	5.0
27	3.8	3.5	3.3	3.4	4.4	5.6	21	42	12	12	12	5.0
28	3.8	3.5	3.0	3.4	4.6	5.6	36	37	12	9.0	9.5	5.0
29	3.4	4.1	3.2	3.6	4.5	5.8	48	36	11	7.7	8.5	5.0
30	2.9	3.3	3.3	3.8	---	6.0	50	40	10	7.3	8.5	5.0
31	3.3	---	3.5	3.9	---	5.9	---	41	---	7.0	8.5	---
TOTAL	106.7	117.8	109.2	100.1	116.0	158.6	497.4	1020	659	284.0	294.7	180.2
MEAN	3.44	3.93	3.52	3.23	4.00	5.12	16.6	32.9	22.0	9.16	9.51	6.01
AC-FT	212	234	217	199	230	315	987	2020	1310	563	585	357
MAX	4.4	5.0	4.4	3.9	4.6	6.0	50	50	38	19	34	8.5
MIN	2.9	2.9	2.9	2.6	3.5	4.6	5.7	23	10	6.2	5.0	5.0

CAL YR 1991 TOTAL 3053.8 MEAN 8.37 MAX 43 MIN 2.2 AC-FT 6060  
WTR YR 1992 TOTAL 3643.7 MEAN 9.96 MAX 50 MIN 2.6 AC-FT 7230

MAX DISCH 86 CFS AT 2245 24-AUG-1992 GH 2.89 FT. SHIFT 0.04 FT. MAX GH 2.89 FT. AT 2245

## RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 21, 1991 when the clock stopped and the satellite data was incomplete. Nov. 26, 1991-Mar. 30, 1992 when the station was closed for the winter. Stage-discharge relation was ice affected Oct. 31-Nov. 1-8, 12-13, 16-20, 22-25, 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 Division III Hydrographic staff.

**RATING TABLE.**--ALATERCO14 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	16	13	12	15	16	21	335	278	151	52	75
2	40	16	12	10	16	17	19	345	254	127	45	71
3	38	15	13	13	17	18	22	343	275	115	45	66
4	35	16	17	18	16	19	25	289	305	110	49	55
5	33	20	19	15	14	18	26	270	382	111	50	50
6	31	25	21	18	14	16	29	289	371	110	48	45
7	31	25	15	16	13	17	34	330	363	108	59	43
8	31	25	18	14	14	17	40	315	359	103	45	39
9	30	28	17	12	15	15	53	306	355	101	41	36
10	29	30	15	12	16	14	69	265	350	91	45	33
11	28	30	22	15	15	15	82	233	346	91	47	32
12	27	21	17	12	14	16	91	274	385	91	39	31
13	27	20	16	11	16	17	107	340	403	92	46	29
14	26	28	13	11	17	17	136	382	374	82	44	28
15	25	27	13	10	15	18	133	409	340	70	42	34
16	24	25	14	10	14	18	111	398	294	67	50	32
17	23	21	18	12	12	19	104	410	256	60	53	31
18	22	23	18	11	12	19	116	433	260	63	43	29
19	22	18	20	10	12	17	95	460	274	62	37	98
20	21	14	19	13	13	17	81	525	283	70	37	83
21	20	19	19	12	15	18	75	481	280	72	36	60
22	20	15	19	11	14	19	77	430	269	61	32	49
23	21	14	15	10	15	19	74	417	236	55	57	44
24	22	14	14	13	13	18	83	423	221	75	319	41
25	22	20	14	13	14	18	106	397	210	91	249	38
26	21	17	17	13	13	18	126	401	212	124	186	36
27	22	19	15	14	14	20	152	474	200	86	141	35
28	23	23	13	13	15	21	214	422	181	78	109	33
29	16	19	13	14	16	21	292	369	172	67	91	32
30	17	17	15	15	---	20	335	339	165	59	83	31
31	16	---	13	15	---	21	---	304	---	56	78	---
TOTAL	807	620	497	398	419	553	2928	11408	8653	2699	2298	1339
MEAN	26.0	20.7	16.0	12.8	14.4	17.8	97.6	368	288	87.1	74.1	44.6
AC-FT	1600	1230	986	789	831	1100	5810	22630	17160	5350	4560	2660
MAX	44	30	22	18	17	21	335	525	403	151	319	98
MIN	16	14	12	10	12	14	19	233	165	55	32	28

CAL YR 1991 TOTAL 44016 MEAN 121 MAX 787 MIN 12 AC-FT 87310  
WTR YR 1992 TOTAL 32619 MEAN 89.1 MAX 525 MIN 10 AC-FT 64700

MAX DISCH 980 CFS AT 1815 24-AUG-1992 GH 2.86 FT. SHIFT 0.16 FT. MAX GH 2.86 FT. AT 1815  
24-AUG-1992



## RIO GRANDE BASIN

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

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

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

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

**REMARKS.**--Flow regulated by La Jara Reservoir. Small diversions above station for irrigation. Record is complete and reliable except for the following periods: Nov. 2-4, 7-25, 1991 when the well was frozen. Nov. 2, 1991-Mar. 30, 1992 when the station was closed for the winter. Stage-discharge relation was affected by ice on Oct. 29-31; Nov. 1, 5, 6, 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	6.6	7.6	5.8	7.4	8.2	15	50	39	13	11	11
2	8.0	6.6	7.0	5.2	7.8	8.4	15	48	37	13	10	10
3	7.0	6.6	7.2	6.0	8.0	9.0	15	45	34	13	10	10
4	7.0	6.4	8.0	7.2	7.4	9.4	17	50	32	12	8.6	9.5
5	6.6	7.0	8.4	6.6	6.6	9.0	18	42	31	12	11	9.3
6	7.0	8.0	8.8	7.2	6.8	7.8	17	39	33	8.4	11	9.1
7	7.0	8.2	7.6	7.0	6.6	8.6	20	39	31	6.6	9.4	8.8
8	7.0	8.0	8.2	6.4	6.8	8.8	21	38	31	6.6	8.0	8.5
9	6.6	8.4	7.8	6.0	7.2	7.8	24	37	40	6.8	7.2	7.6
10	6.3	9.2	7.4	6.0	7.6	7.0	26	46	40	6.8	11	6.9
11	6.2	8.4	9.0	6.6	7.2	7.6	31	43	26	7.4	13	6.8
12	6.2	8.2	7.6	6.0	6.8	8.2	44	41	22	6.9	10	6.8
13	5.8	8.2	7.4	5.6	7.4	8.6	50	37	20	8.6	9.3	6.7
14	5.8	9.0	6.4	5.6	7.8	8.6	64	35	24	8.5	10	6.6
15	6.4	9.4	6.6	5.4	7.2	9.0	70	34	24	8.2	12	7.3
16	6.6	9.2	6.8	5.4	7.0	9.0	57	33	23	8.9	10	7.0
17	6.4	8.6	7.6	6.0	6.2	10	60	33	23	9.6	10	6.6
18	4.6	9.0	7.6	5.8	6.2	9.4	67	32	23	9.5	9.8	6.2
19	5.0	8.2	8.0	5.4	6.2	8.4	54	33	23	9.7	8.3	7.4
20	5.2	7.6	7.8	6.8	6.6	8.8	42	36	23	9.2	7.6	7.4
21	5.4	9.0	7.6	6.4	7.6	10	40	36	23	9.6	7.7	7.2
22	5.0	8.2	7.8	5.8	7.4	11	43	34	21	8.8	7.4	6.8
23	5.3	8.0	6.8	5.4	7.6	11	44	43	20	8.5	8.3	6.2
24	5.2	8.0	6.6	6.6	6.8	10	46	53	20	8.9	20	6.3
25	5.2	9.4	6.6	6.6	7.4	10	49	44	20	12	33	5.8
26	5.0	9.0	7.2	6.6	7.0	10	51	39	20	12	20	5.8
27	5.1	9.4	6.6	7.0	7.4	11	52	38	18	11	17	5.8
28	5.1	9.8	6.4	6.6	7.8	12	53	39	18	11	14	5.8
29	5.2	9.2	6.4	7.2	8.0	13	54	43	16	10	12	6.1
30	5.4	8.8	6.8	7.4	---	12	54	41	14	10	11	7.0
31	6.4	---	6.0	7.4	---	14	---	43	---	10	11	---
TOTAL	187.2	249.6	227.6	195.0	207.8	295.6	1213	1244	769	296.5	358.6	222.3
MEAN	6.04	8.32	7.34	6.29	7.17	9.54	40.4	40.1	25.6	9.56	11.6	7.41
AC-FT	371	495	451	387	412	586	2410	2470	1530	588	711	441
MAX	8.2	9.8	9.0	7.4	8.0	14	70	53	40	13	33	11
MIN	4.6	6.4	6.0	5.2	6.2	7.0	15	32	14	6.6	7.2	5.8

CAL YR 1991 TOTAL 5819.2 MEAN 15.9 MAX 111 MIN 4.4 AC-FT 11540  
WTR YR 1992 TOTAL 5466.2 MEAN 14.9 MAX 70 MIN 4.6 AC-FT 10840

MAX DISCH 98 CFS AT 0330 15-APR-1992 GH 3.45 FT. SHIFT -0.29 FT. MAX GH 3.45 FT. AT 0330



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 and an 8' Parshall Flume.

**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 30-31; Nov. 1-18, 1991 when the clock stopped. Nov. 22-28, 30; Dec. 1-10, 1991 when the float was frozen. Dec. 11, 1991-Mar. 20, 1992 when the station was closed for the winter. Mar. 22-23; Jun. 7-15; Jul. 28-31; Aug. 1-17, 28-31; Sep. 1-16, 24-30, 1992 when the pen stopped inking. Stage-discharge relation affected by ice Oct. 29; Nov. 20-21, 29, 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 Division III Hydrographic staff.

**RATING TABLE.**--NORDLS002 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	1.7	3.9	2.6	2.2	3.0	32	25	63	20	9.0	8.6
2	2.8	1.6	3.6	2.2	2.4	3.5	29	26	73	19	9.4	12
3	3.0	1.3	3.3	2.2	2.9	4.1	26	28	59	17	13	11
4	4.4	1.6	3.6	3.1	2.9	6.4	23	28	42	14	16	9.0
5	6.2	2.3	3.7	2.9	2.4	6.4	20	35	30	14	18	9.2
6	6.2	3.5	3.8	3.0	2.2	6.2	19	22	25	11	15	10
7	6.5	5.0	3.8	3.3	2.1	6.0	18	14	20	10	22	14
8	6.8	4.8	3.9	2.6	2.4	5.8	16	19	40	10	15	13
9	7.0	5.0	3.9	2.5	2.3	5.8	16	19	64	10	15	14
10	7.9	7.0	3.9	2.4	2.3	5.6	14	18	74	11	12	14
11	8.6	6.6	4.3	2.5	2.6	5.6	13	21	62	12	10	13
12	8.9	6.6	4.3	3.1	2.6	5.6	12	14	60	11	13	12
13	7.3	6.4	3.2	2.5	2.6	6.2	11	13	40	9.5	13	9.6
14	6.2	8.6	2.8	2.3	3.0	7.6	10	14	26	9.5	10	7.2
15	5.7	9.0	2.8	2.3	2.5	8.4	9.8	17	27	12	13	5.0
16	4.9	9.0	2.8	2.1	2.5	9.2	9.2	22	24	9.8	18	4.8
17	4.6	8.0	3.2	2.3	2.5	13	8.6	24	21	9.8	22	5.1
18	5.7	7.4	3.2	2.2	2.3	13	8.2	16	20	9.5	17	5.1
19	5.9	7.3	4.1	2.2	2.2	12	8.2	17	17	8.6	13	4.9
20	4.6	6.2	3.8	2.2	2.4	12	7.9	20	26	10	11	7.0
21	4.4	6.6	3.5	2.2	3.0	18	7.0	28	26	11	10	8.6
22	4.4	6.2	3.7	2.1	2.8	24	33	34	34	13	13	9.5
23	4.1	5.2	2.9	2.0	3.0	38	35	36	29	15	12	7.9
24	3.9	5.4	2.8	2.2	2.8	51	38	42	22	12	15	10
25	3.2	6.6	2.5	2.3	3.0	58	41	46	20	15	24	9.6
26	2.8	6.0	2.8	2.3	3.0	60	44	45	21	15	21	7.0
27	2.6	6.2	2.6	2.3	2.9	58	48	49	20	20	16	7.4
28	2.6	7.6	2.5	2.2	2.8	49	42	45	22	16	15	9.0
29	2.2	6.6	2.4	2.2	3.0	42	34	55	26	11	12	9.0
30	2.2	5.2	2.4	2.2	---	43	33	59	22	10	10	7.4
31	1.7	---	3.1	2.2	---	36	---	52	---	11	9.0	---
TOTAL	150.7	170.5	103.1	74.7	75.6	622.4	665.9	903	1055	386.7	441.4	273.9
MEAN	4.86	5.68	3.33	2.41	2.61	20.1	22.2	29.1	35.2	12.5	14.2	9.13
AC-FT	299	338	204	148	150	1230	1320	1790	2090	767	876	543
MAX	8.9	9.0	4.3	3.3	3.0	60	48	59	74	20	24	14
MIN	1.7	1.3	2.4	2.0	2.1	3.0	7.0	13	17	8.6	9.0	4.8

CAL YR 1991 TOTAL 2897.6 MEAN 7.94 MAX 42 MIN 1.3 AC-FT 5750  
WTR YR 1992 TOTAL 4922.9 MEAN 13.5 MAX 74 MIN 1.3 AC-FT 9760

MAX DISCH 75 CFS AT 0400 02-JUN-1992 GH 1.67 FT. SHIFT 0.03 FT. MAX GH 2.17 FT. AT 1020  
24-MAR-1992







## RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO

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

**DRAINAGE AREA.**--57 mi<sup>2</sup>.

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

**REMARKS.**--Small diversions above station for irrigation. Record is complete and reliable except for the following periods: Oct. 5-10, 19-Nov. 6, 1991 when the clock stopped; Dec. 16-18, 1991; Jan. 13, 18, 21, 1992 when the float was frozen. Dec. 24-25, 27-30, 1991; Jan. 1-3, 9-11, 14-17, 19-20, 22-29; Feb. 6-7, 18-29; Mar. 1, 1992 when the stage-discharge relationship was ice affected. Record is good except for no gage-height periods and ice affected periods which are fair. Station maintained and records developed by Division III Hydrographic staff.

**RATING TABLE.**--TRIMTNC006 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	6.3	7.0	4.9	4.2	4.9	9.4	28	47	22	11	9.8
2	8.2	6.6	5.2	4.7	4.6	5.2	9.0	28	46	20	10	9.4
3	7.8	6.0	5.2	4.7	4.2	5.6	9.4	30	48	19	10	9.0
4	7.4	6.3	6.3	6.3	4.2	5.6	9.4	32	50	18	11	8.6
5	7.4	7.0	7.0	5.6	4.2	5.6	9.0	31	56	17	11	8.2
6	7.4	7.4	7.0	5.6	4.0	6.0	9.4	28	56	16	12	8.6
7	7.8	8.2	6.3	5.6	4.0	5.6	9.8	29	57	12	12	8.2
8	7.8	7.4	7.0	4.9	4.6	6.0	9.8	30	58	14	10	7.4
9	7.4	7.4	6.3	4.5	4.2	5.6	11	31	58	14	9.8	7.0
10	7.4	8.6	5.6	4.3	4.2	5.6	12	31	54	14	9.4	7.4
11	7.4	10	6.6	4.5	4.2	5.2	14	31	51	16	9.8	7.0
12	7.8	8.2	6.6	5.2	3.8	5.6	16	29	50	16	9.0	7.0
13	7.8	7.4	5.6	4.7	4.2	6.0	17	29	50	17	8.2	6.6
14	7.8	8.6	4.2	4.5	4.2	6.6	18	28	50	16	10	6.6
15	7.8	9.0	4.6	4.2	4.2	7.0	21	28	49	14	9.0	6.3
16	7.0	9.0	4.6	4.2	4.1	7.0	21	28	49	14	7.4	6.3
17	6.6	9.0	5.0	4.5	3.8	7.0	20	30	48	14	9.4	6.3
18	6.3	9.0	5.0	4.2	3.6	7.0	21	31	45	14	9.4	6.3
19	6.3	8.2	6.6	4.2	3.5	7.0	19	31	43	14	9.8	6.6
20	6.6	6.0	6.3	4.1	3.7	7.0	17	32	41	14	9.4	6.6
21	6.6	8.6	5.6	4.3	4.6	7.4	16	32	38	16	8.6	6.3
22	6.6	9.0	6.0	4.6	4.2	7.8	15	34	37	18	9.0	6.0
23	6.6	4.9	4.9	4.9	4.6	7.4	14	38	35	14	9.8	5.6
24	6.6	6.0	4.6	4.4	4.2	7.8	15	37	36	14	12	5.6
25	6.6	8.2	4.4	4.2	4.6	7.8	16	38	33	15	16	5.2
26	6.6	7.8	5.6	4.4	4.2	8.2	18	38	32	16	12	5.2
27	6.6	7.8	4.7	4.0	4.4	9.0	19	41	30	14	12	4.9
28	6.6	7.4	4.4	3.9	4.7	9.8	21	42	28	14	11	5.2
29	6.6	7.4	4.7	3.9	4.5	9.8	23	42	28	14	9.8	5.6
30	6.6	7.4	4.7	4.2	---	9.8	25	43	24	12	9.4	6.3
31	6.3	---	5.6	4.2	---	9.8	---	47	---	11	9.8	---
TOTAL	220.5	230.1	173.2	142.4	121.7	215.7	464.2	1027	1327	473	317.0	205.1
MEAN	7.11	7.67	5.59	4.59	4.20	6.96	15.5	33.1	44.2	15.3	10.2	6.84
AC-FT	437	456	344	282	241	428	921	2040	2630	938	629	407
MAX	8.2	10	7.0	6.3	4.7	9.8	25	47	58	22	16	9.8
MIN	6.3	4.9	4.2	3.9	3.5	4.9	9.0	28	24	11	7.4	4.9

CAL YR 1991 TOTAL 6169.7 MEAN 16.9 MAX 93 MIN 4.2 AC-FT 12240  
WTR YR 1992 TOTAL 4916.9 MEAN 13.4 MAX 58 MIN 3.5 AC-FT 9750

MAX DISCH 77 CFS AT 1415 05-JUN-1992 GH 1.29 FT. SHIFT 0.18 FT. MAX GH 1.29 FT. AT 1415  
05-JUN-1992





## RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO

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

**DRAINAGE AREA.**--396 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder. 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: Jan. 2-Feb. 7, 1992 when the clock stopped and Mar. 26-Apr. 7, 1992 when recorder float wheel slipped. 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.71	0.71	1.0	1.0	1.3	1.5	52	58	16	16	11	9.2
2	0.71	0.71	1.0	1.0	1.3	1.5	50	65	16	16	10	5.2
3	0.71	0.62	1.0	1.0	1.3	1.5	49	54	16	16	11	1.3
4	0.81	0.62	0.91	1.0	1.3	1.7	59	56	16	16	9.6	1.1
5	0.81	0.62	0.81	1.0	1.4	1.7	61	56	16	16	9.6	1.0
6	0.81	0.71	0.81	1.0	1.4	1.7	55	49	16	24	9.6	1.0
7	0.81	0.81	0.81	1.0	1.4	1.7	54	42	16	30	9.6	1.0
8	0.91	0.81	0.81	1.1	1.4	2.0	56	28	16	32	9.6	1.0
9	0.91	0.81	0.81	1.1	1.4	2.0	71	20	16	34	9.6	0.81
10	1.0	0.81	0.81	1.1	1.4	1.8	104	21	13	27	9.6	0.71
11	0.91	0.81	0.81	1.1	1.4	1.8	125	20	11	24	9.6	0.71
12	0.91	0.91	0.81	1.1	1.4	1.8	130	18	11	25	8.9	0.71
13	0.91	0.91	0.81	1.1	1.4	1.8	125	12	11	28	8.9	0.71
14	0.81	0.91	0.81	1.1	1.4	1.8	125	11	11	34	8.9	0.71
15	0.91	0.91	0.81	1.1	1.5	1.8	128	14	11	24	8.9	0.71
16	1.0	0.91	0.81	1.1	1.5	1.8	135	15	14	13	8.9	0.91
17	1.0	0.91	0.81	1.1	1.7	1.8	139	15	15	16	8.9	0.81
18	1.0	0.91	0.81	1.2	1.7	2.0	135	15	15	21	8.9	0.91
19	0.91	0.91	0.81	1.2	1.7	2.0	130	22	15	21	8.9	1.0
20	0.91	0.81	0.91	1.2	1.7	2.0	96	26	14	16	8.9	1.0
21	1.0	0.81	0.91	1.2	1.7	2.0	75	25	14	13	8.9	0.91
22	1.0	0.81	0.91	1.2	1.7	2.0	75	25	14	12	8.9	0.91
23	0.91	0.81	0.91	1.2	1.7	2.0	48	23	14	12	8.9	0.91
24	0.91	0.81	0.91	1.2	1.7	1.8	38	23	14	11	14	0.91
25	0.91	0.81	0.91	1.2	1.5	1.7	40	23	17	11	28	0.91
26	0.91	0.81	0.91	1.2	1.7	3.5	41	22	21	12	40	0.91
27	0.91	0.91	0.81	1.3	1.7	10	43	20	20	22	46	1.0
28	0.91	0.91	0.91	1.3	1.7	24	46	16	14	28	48	0.81
29	0.91	1.0	0.91	1.3	1.5	33	50	16	16	20	47	0.71
30	0.81	1.0	1.0	1.3	---	42	54	16	16	11	23	0.71
31	0.81	---	1.0	1.3	---	45	---	16	---	11	9.2	---
TOTAL	27.45	24.81	27.06	35.3	43.9	202.7	2389	842	445	612	470.8	39.19
MEAN	0.89	0.83	0.87	1.14	1.51	6.54	79.6	27.2	14.8	19.7	15.2	1.31
AC-FT	54	49	54	70	87	402	4740	1670	883	1210	934	78
MAX	1.0	1.0	1.0	1.3	1.7	45	139	65	21	34	48	9.2
MIN	0.71	0.62	0.81	1.0	1.3	1.5	38	11	11	11	8.9	0.71
CAL YR 1991 TOTAL		2630.55	MEAN	7.21	MAX	47	MIN	0.62	AC-FT	5220		
WTR YR 1992 TOTAL		5159.21	MEAN	14.1	MAX	139	MIN	0.62	AC-FT	10230		

MAX DISCH 143 CFS AT 1220 11-APR-1992 GH 4.29 FT. SHIFT 0.05 FT. MAX GH 4.29 FT. AT 1220 11-APR-1992

## RIO GRANDE BASIN

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR, CO

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

**DRAINAGE AREA.**--40 mi<sup>2</sup>.

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

**REMARKS.**--Flow completely regulated by Platoro Reservoir (station 08244500). Record is complete and reliable except for Oct. 30-31, 1991 when the clock stopped and satellite record was incomplete; Nov. 3, 1991 when the well was frozen; Nov. 4, 1991 to May 4, 1992 when the station was closed for the winter, and July 21, 1992 when the chart pen stopped inking and the satellite record was incomplete. Record is good except for periods of no gage-height record which are fair. Station maintained and records developed by Div. III staff

**RATING TABLE.**--CONPLACO11 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	3.8	3.8	3.8	4.2	4.6	4.9	5.3	47	339	78	122
2	27	4.1	3.8	3.8	4.2	4.6	4.9	5.3	47	272	78	101
3	42	3.8	3.8	3.9	4.2	4.6	5.0	5.3	47	228	91	75
4	55	3.8	3.8	3.9	4.2	4.6	5.0	44	84	228	87	81
5	47	3.8	3.8	3.9	4.3	4.6	5.0	177	112	228	88	89
6	47	3.8	3.8	3.9	4.3	4.6	5.0	210	113	303	101	89
7	42	3.8	3.8	3.9	4.3	4.6	5.0	234	114	408	101	89
8	36	3.8	3.8	3.9	4.3	4.6	5.0	167	114	410	101	79
9	36	3.8	3.8	3.9	4.3	4.7	5.0	105	114	388	101	69
10	36	3.8	3.8	3.9	4.3	4.7	5.0	105	90	333	83	65
11	37	3.8	3.8	4.0	4.3	4.7	5.0	168	72	297	81	60
12	37	3.8	3.8	4.0	4.3	4.7	5.1	172	73	297	101	60
13	37	3.8	3.8	4.0	4.4	4.7	5.1	144	73	317	111	60
14	37	3.8	3.8	4.0	4.4	4.7	5.1	144	73	352	124	74
15	37	3.8	3.8	4.0	4.4	4.7	5.1	178	73	340	124	96
16	37	3.8	3.8	4.0	4.4	4.7	5.1	202	73	331	124	102
17	37	3.8	3.8	4.0	4.4	4.7	5.1	203	100	337	124	81
18	37	3.8	3.8	4.0	4.4	4.8	5.1	203	181	324	115	70
19	37	3.8	3.8	4.1	4.4	4.8	5.1	204	223	323	116	78
20	37	3.8	3.8	4.1	4.4	4.8	5.1	205	242	276	129	78
21	20	3.8	3.8	4.1	4.4	4.8	5.2	202	243	220	124	69
22	5.9	3.8	3.8	4.1	4.5	4.8	5.2	202	242	191	124	48
23	3.8	3.8	3.8	4.1	4.5	4.8	5.2	205	254	177	124	45
24	3.8	3.8	3.8	4.1	4.5	4.8	5.2	205	202	164	174	68
25	5.3	3.8	3.8	4.1	4.5	4.8	5.2	205	173	148	231	68
26	6.5	3.8	3.8	4.1	4.5	4.9	5.2	138	213	147	143	68
27	6.5	3.8	3.8	4.1	4.5	4.9	5.2	68	243	136	73	68
28	5.0	3.8	3.8	4.2	4.5	4.9	5.2	91	242	136	140	68
29	3.8	3.8	3.8	4.2	4.5	4.9	5.2	75	310	146	140	68
30	3.8	3.8	3.8	4.2	---	4.9	5.3	47	364	135	140	68
31	3.8	---	3.8	4.2	---	4.9	---	47	---	108	132	---
TOTAL	827.2	114.3	117.8	124.5	126.8	146.9	152.8	4365.9	4551	8039	3603	2256
MEAN	26.7	3.81	3.80	4.02	4.37	4.74	5.09	141	152	259	116	75.2
AC-FT	1640	227	234	247	252	291	303	8660	9030	15950	7150	4470
MAX	55	4.1	3.8	4.2	4.5	4.9	5.3	234	364	410	231	122
MIN	3.8	3.8	3.8	3.8	4.2	4.6	4.9	5.3	47	108	73	45
CAL YR 1991 TOTAL		31972.9	MEAN	87.6	MAX	629	MIN	3.2	AC-FT	63420		
WTR YR 1992 TOTAL		24425.2	MEAN	66.7	MAX	410	MIN	3.8	AC-FT	48450		

MAX DISCH 416 CFS AT 0430 07-JUL-1992 GH 2.70 FT. SHIFT 0.04 FT. MAX GH 2.70 FT. AT 1430  
06-JUL-1992

## RIO GRANDE BASIN

08246500 CONEJOS RIVER NEAR MOGOTE, CO

**LOCATION.**--Lat 37°03'14", long 106°11'13", in SE¼SE¼ sec.34, T.33 N., R.7 E., Conejos County, Hydrologic Unit 13010005, on left bank 75 ft downstream from bridge on State Highway 174, 0.4 mi downstream from Fox Creek, 5.3 mi west of Mogote, and 10 mi west of Antonito.

**DRAINAGE AREA.**--282 mi<sup>2</sup>.

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

**REMARKS.**--Diversions for irrigation upstream from station and some regulation by Platoro Reservoir (station 08244500). Record is complete and reliable except for Nov. 3, due to clock stopping and missing satellite record; Aug. 24-25, due to chart recorder and shaft encoder hanging up. Stage-discharge relation was affected by ice Dec. 1-31, 1991; Jan. 1-Mar. 3, 1992. 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	72	52	47	52	54	79	604	560	589	198	270
2	120	81	50	45	52	58	73	600	495	507	179	253
3	113	64	50	45	58	56	81	608	530	418	173	216
4	122	66	52	54	50	55	95	577	560	391	196	191
5	122	80	54	50	46	61	100	635	778	382	182	188
6	118	78	54	56	44	61	102	735	934	371	189	184
7	112	81	58	56	42	56	123	787	900	506	220	178
8	107	74	56	48	48	60	151	815	857	527	200	173
9	100	79	54	46	48	57	178	693	771	522	187	154
10	98	83	58	46	48	53	198	674	701	481	190	147
11	98	90	64	50	52	56	224	588	641	459	192	140
12	96	72	62	48	50	56	259	652	726	430	183	133
13	94	68	59	45	52	60	301	668	780	435	203	129
14	94	78	58	45	56	63	362	731	745	464	214	125
15	93	79	60	44	50	68	381	785	685	465	266	149
16	92	73	60	45	48	71	330	864	601	406	232	167
17	90	74	60	47	46	73	308	908	518	431	224	166
18	90	77	60	44	44	72	332	951	574	419	223	140
19	89	68	64	42	46	67	280	991	666	418	202	157
20	89	55	62	45	46	62	236	1090	713	418	217	174
21	89	67	60	45	50	65	215	1170	720	346	228	157
22	79	74	56	47	50	69	222	1090	696	304	210	143
23	66	41	52	47	52	68	221	1020	641	262	284	119
24	62	43	52	50	48	64	245	1030	618	268	658	118
25	62	70	52	48	48	64	300	933	500	258	1170	128
26	60	63	54	48	48	72	347	871	518	313	664	127
27	62	61	49	50	50	79	386	819	561	302	380	127
28	67	62	48	50	50	76	465	858	543	272	344	122
29	60	61	48	50	52	74	547	811	522	263	328	123
30	62	54	50	50	---	75	597	677	605	247	301	123
31	48	---	48	52	---	80	---	603	---	219	286	---
TOTAL	2839	2088	1716	1485	1426	2005	7738	24838	19659	12093	8923	4721
MEAN	91.6	69.6	55.4	47.9	49.2	64.7	258	801	655	390	288	157
AC-FT	5630	4140	3400	2950	2830	3980	15350	49270	38990	23990	17700	9360
MAX	185	90	64	56	58	80	597	1170	934	589	1170	270
MIN	48	41	48	42	42	53	73	577	495	219	173	118

CAL YR 1991 TOTAL 120242 MEAN 329 MAX 1840 MIN 39 AC-FT 238500  
WTR YR 1992 TOTAL 89531 MEAN 245 MAX 1170 MIN 41 AC-FT 177600

MAX DISCH 2210 CFS AT 2215 24-AUG-1992 GH 5.44 FT. SHIFT -0.03 FT. MAX GH 5.44 FT. AT 2215  
24-AUG-1992











## 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 LaSausés, and 13 mi southeast of Alamosa.

**DRAINAGE.**--887 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 7,496.89 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 14, 1965.

**REMARKS.**--Record is complete and reliable except for Dec. 17, 1991-Mar. 27, 1992 when the station was closed. Stage-discharge relation affected by ice Nov. 2-5, 27, 29-30; Dec. 1-16, 1991. Stage-discharge relation affected by backwater due to beaver dams below gage Jul. 8-17, and Sep. 18-28, 1992. The beaver dams were removed Jun. 5 and Sep. 28, 1992. There was no flow Oct. 1, 5-9, 1991; Aug. 4-5, 9-23; Sep. 4-14, 1992. 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	3.9	1.3	1.4	0.60	2.9	1.7	12	4.4	0.82	0.12	0.01
2	0.01	0.80	1.1	1.2	0.70	3.3	1.5	4.8	4.3	0.19	0.12	0.01
3	0.13	0.60	1.0	1.1	0.80	3.5	1.2	2.0	1.7	0.21	0.02	0.02
4	0.03	0.70	1.1	1.6	0.80	3.7	1.2	1.5	2.8	0.15	0.0	0.0
5	0.0	1.0	1.1	1.5	0.70	3.7	1.2	2.2	2.6	0.10	0.0	0.0
6	0.0	1.4	1.2	1.6	0.60	3.7	1.2	0.70	2.0	0.13	0.03	0.0
7	0.0	1.3	1.2	1.7	0.60	3.7	1.1	0.60	2.0	0.26	0.12	0.0
8	0.0	1.4	1.2	1.4	0.90	3.7	1.2	0.65	3.1	1.2	0.03	0.0
9	0.0	1.2	1.2	1.3	0.80	3.7	1.3	1.2	8.8	1.0	0.0	0.0
10	0.01	1.3	1.2	1.3	0.80	3.7	1.5	1.4	9.0	1.2	0.0	0.0
11	0.04	1.7	1.6	1.3	1.2	3.7	1.6	1.5	6.0	0.77	0.0	0.0
12	0.03	2.3	1.6	1.6	1.3	3.7	2.0	1.0	3.3	1.1	0.0	0.0
13	0.04	1.8	1.2	1.3	1.3	3.8	3.1	1.2	3.7	0.93	0.0	0.0
14	0.05	0.95	1.1	1.2	1.7	4.0	7.3	1.1	4.2	1.7	0.0	0.0
15	0.03	1.4	1.1	1.2	1.4	4.2	12	1.9	4.2	2.2	0.0	0.04
16	0.05	2.5	1.1	1.0	1.5	4.4	11	2.6	2.0	1.4	0.0	0.40
17	0.04	2.4	1.4	1.1	1.5	4.8	6.3	2.4	0.55	0.55	0.0	0.53
18	0.07	2.2	1.4	0.90	1.3	5.2	5.5	1.1	0.52	0.38	0.0	0.50
19	0.10	2.3	1.8	0.80	1.3	5.6	6.6	1.5	0.42	0.14	0.0	0.50
20	0.12	1.9	1.7	0.70	1.6	6.0	2.3	0.88	0.67	0.14	0.0	0.50
21	0.04	1.6	1.6	0.60	2.7	6.8	0.39	1.3	1.2	0.15	0.0	0.50
22	0.03	1.2	1.7	0.50	2.5	8.0	0.20	4.5	1.3	0.15	0.0	0.50
23	0.04	1.0	1.4	0.40	2.8	9.4	0.17	5.9	0.87	0.15	0.0	0.50
24	0.12	1.1	1.4	0.60	2.6	10	0.19	6.1	1.2	0.21	0.08	0.50
25	0.11	0.98	1.3	0.60	3.0	7.6	0.31	6.4	1.8	0.26	22	0.50
26	0.08	1.1	1.4	0.60	2.9	2.5	1.9	2.6	1.4	0.81	43	0.50
27	0.09	1.6	1.3	0.60	2.8	2.3	9.0	1.7	0.77	1.3	5.9	0.50
28	0.07	2.3	1.2	0.60	2.7	2.1	4.0	2.2	0.47	2.2	0.95	0.60
29	0.11	2.0	1.2	0.60	2.9	2.0	6.8	3.2	0.74	0.50	0.18	0.85
30	0.50	1.8	1.2	0.60	---	2.0	16	3.7	0.85	0.24	0.06	1.2
31	0.85	---	1.6	0.60	---	2.0	---	4.0	---	0.20	0.04	---
TOTAL	2.78	47.73	40.9	31.50	46.30	135.7	109.76	83.83	76.87	20.75	72.66	8.66
MEAN	0.09	1.59	1.32	1.02	1.60	4.38	3.66	2.70	2.56	0.67	2.34	0.29
AC-FT	5.5	95	81	62	92	269	218	166	152	41	144	17
MAX	0.85	3.9	1.8	1.7	3.0	10	16	12	9.0	2.2	43	1.2
MIN	0.0	0.60	1.0	0.40	0.60	2.0	0.17	0.60	0.42	0.10	0.0	0.0

CAL YR 1991 TOTAL 2195.95 MEAN 6.02 MAX 203 MIN 0.00 AC-FT 4360  
WTR YR 1992 TOTAL 677.44 MEAN 1.85 MAX 43 MIN 0.00 AC-FT 1340

MAX DISCH 90 CFS AT 0200 26-AUG-1992 GH 2.23 FT. SHIFT -0.04 FT. MAX GH 2.23 FT. AT 0200  
26-AUG-1992

## RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO (COMBINED)

**LOCATION.**--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec.2, and SE¼NE¼ sec.10 (two channels), T.35 N., R.11 E., Conejos County, Hydrologic Unit 13010005, on left bank of main channel 125 ft downstream from bridge on State Highway 158 and on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of Lasauses, and 13 mi southeast of Alamosa.

**DRAINAGE AREA.**--887 mi<sup>2</sup>.

**GAGE.**--Two water-stage recorders with satellite telemetry. Datum of gage on main (north) channel is 7,495.02 ft above National Geodetic Vertical Datum of 1929, and on secondary (south) channel is 7,496.89 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation).

**REMARKS.**--Diversions for irrigation of about 75,000 acres upstream from station. Records should be good except for periods of no gage-height, ice affected record, and backwater affected record which are fair. Stations maintained and records developed by Div. III staff.

COMBINED CONEJOS RIVER (NORLASCO SOULASCO)

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	27	57	57	47	77	231	697	91	5.0	2.5	26
2	59	38	53	51	53	83	226	577	67	3.3	1.7	31
3	46	54	49	49	61	90	211	471	76	4.0	0.82	30
4	36	56	51	60	59	96	205	364	92	4.0	0.65	25
5	32	53	53	56	55	96	217	262	95	3.9	0.73	21
6	41	66	53	58	51	95	221	213	109	4.5	1.4	19
7	36	71	53	66	50	95	220	180	109	4.3	1.9	17
8	33	76	55	53	59	97	253	182	106	10	3.7	16
9	32	76	55	51	57	98	285	227	278	9.0	4.0	14
10	31	81	55	47	57	97	316	216	305	13	2.7	12
11	27	90	66	49	63	97	356	170	219	11	2.4	11
12	23	102	68	58	63	97	408	107	156	13	4.7	11
13	22	90	55	51	63	101	473	82	134	11	4.0	10
14	21	79	49	47	72	107	616	74	105	28	2.4	10
15	19	83	49	47	65	113	785	113	85	33	2.3	11
16	16	96	49	43	68	120	825	92	60	29	2.7	11
17	16	92	57	47	68	130	745	78	69	14	2.4	12
18	16	86	57	45	59	143	730	81	64	8.7	1.4	12
19	15	87	70	45	59	146	756	60	71	5.7	1.7	14
20	14	79	68	45	66	150	617	55	105	4.5	1.6	12
21	14	71	64	45	77	159	480	68	116	4.0	1.2	14
22	16	68	66	42	72	184	437	120	110	2.8	1.2	12
23	19	65	57	40	77	214	453	123	82	2.7	1.6	9.3
24	18	62	57	47	73	224	437	120	72	2.5	2.6	8.8
25	16	58	55	47	77	228	508	119	37	4.7	271	7.1
26	17	59	57	49	75	234	628	89	19	14	512	5.2
27	17	69	55	49	73	254	747	90	11	24	218	7.3
28	17	74	55	47	73	245	634	106	9.5	19	81	8.8
29	18	79	53	47	77	243	697	131	11	12	45	12
30	24	67	53	47	---	257	780	117	8.8	6.4	34	7.2
31	25	---	66	47	---	235	---	114	---	4.4	28	---
TOTAL	781	2154	1760	1532	1869	4605	14497	5498	2872.3	315.4	1241.30	416.7
MEAN	25.2	71.8	56.8	49.4	64.4	149	483	177	95.7	10.2	40.0	13.9
AC-FT	1550	4270	3490	3040	3710	9130	28750	10910	5700	626	2460	827
MAX	59	102	70	66	77	257	825	697	305	33	512	31
MIN	14	27	49	40	47	77	205	55	8.8	2.5	0.65	5.2
CAL YR 1991 TOTAL		71390	MEAN	196	MAX	1540	MIN	14	AC-FT	141600		
WTR YR 1992 TOTAL		37541.70	MEAN	103	MAX	825	MIN	0.65	AC-FT	74460		

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 mi<sup>2</sup>.

**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: Oct. 1, 1991-Feb 14, 1992 when record was lost due to station being vandalized. Feb. 18-20, 1992 when the float was frozen. Mar. 9-11; Jun. 25; Aug. 9, 12, 14-16, 18, 1992 when the pen was not working for a full day. Stage-discharge relation affected by ice Feb. 22, 24, 28, 1992. 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	19	18	16	22	27	34	63	69	110	57	55
2	24	18	18	16	24	29	31	75	62	107	55	56
3	27	17	18	15	24	29	31	76	63	107	52	56
4	22	18	18	15	26	31	30	91	67	101	55	53
5	22	21	20	21	26	31	30	87	70	99	69	52
6	22	27	20	21	20	31	30	74	72	80	87	52
7	24	27	21	27	20	31	27	55	65	78	71	52
8	25	26	21	23	22	32	27	48	72	98	58	62
9	27	26	22	20	22	32	27	48	86	124	56	64
10	27	28	22	18	22	32	41	51	74	134	52	65
11	29	32	22	18	23	32	45	50	54	128	50	67
12	31	27	27	21	23	32	43	50	52	121	50	67
13	30	26	17	20	23	33	45	51	49	134	50	66
14	27	26	17	20	23	35	49	54	44	125	52	66
15	28	28	17	20	23	37	57	61	45	130	52	69
16	31	29	17	17	24	39	60	101	55	130	52	73
17	30	29	19	18	25	40	60	96	66	126	54	61
18	30	29	19	20	25	41	64	100	79	125	48	43
19	30	28	22	18	25	40	60	102	80	126	42	47
20	28	20	22	17	25	41	55	111	91	124	42	48
21	29	20	22	17	25	46	50	115	101	132	50	48
22	28	24	20	18	24	51	48	111	108	101	62	46
23	26	18	18	18	26	54	44	111	112	89	76	46
24	26	18	19	19	25	56	42	112	125	70	93	45
25	25	22	19	22	26	52	40	118	122	48	82	43
26	26	24	17	22	25	48	41	116	132	52	74	39
27	25	26	17	21	26	46	41	122	129	54	60	37
28	23	29	18	21	26	41	45	116	112	49	53	50
29	22	27	19	21	27	40	44	105	107	49	50	59
30	21	27	19	21	---	38	46	124	110	46	50	61
31	20	---	19	22	---	37	---	79	---	47	50	---
TOTAL	808	736	604	603	697	1184	1287	2673	2473	3044	1804	1648
MEAN	26.1	24.5	19.5	19.5	24.0	38.2	42.9	86.2	82.4	98.2	58.2	54.9
AC-FT	1600	1460	1200	1200	1380	2350	2550	5300	4910	6040	3580	3270
MAX	31	32	27	27	27	56	64	124	132	134	93	73
MIN	20	17	17	15	20	27	27	48	44	46	42	37

CAL YR 1991 TOTAL 15852 MEAN 43.4 MAX 130 MIN 14 AC-FT 31440  
WTR YR 1992 TOTAL 17561 MEAN 48.0 MAX 134 MIN 15 AC-FT 34830

MAX DISCH 165 CFS AT 0800 21-JUL-1992 GH 1.97 FT. SHIFT 0.04 FT. MAX GH 1.97 FT. AT 0800  
21-JUL-1992



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO

LOCATION.--Tarbell ditch diverts water from Lake Fork Cochetopa Creek (tributary to Cochetopa Creek), in NW¼ sec.18, T.43 N., R.2 E., in Gunnison River basin, to Lake Fork Saguache Creek (tributary to Middle Fork Saguache Creek) in NE¼ sec.18, T.43 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2.5' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--TARBELCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.6	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.4	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.2	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	3.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.9	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.48	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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	5.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	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	4.5	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.4	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.2	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.9	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.9	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.8	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	3.3	3.7	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	3.4	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	135.0	16.58	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70	4.50	0.53	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	268	33	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	7.6	3.6	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1991 TOTAL	0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00
WTR YR 1992 TOTAL	173.38	MEAN	0.47	MAX	7.6	MIN	0.00	AC-FT	344

MAX DISCH	9.1 CFS AT 2300	11-JUN-1992	GH	0.89 FT.	SHIFT	0.05 FT.	MAX GH	0.89 FT. AT 2300
11-JUN-1992								



## 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. A Steven's Data logger replaced the Steven's 'F' type recorder on June 12, 1992.

**REMARKS.**--Station maintained and records developed by Division III Hydrographic staff.

**RATING TABLE.**--TABDITC001 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.75	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.6	2.2	1.2	1.3
2	0.75	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.5	2.1	1.2	1.3
3	0.73	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.0	2.0	1.2	1.2
4	0.75	0.0	0.0	0.0	0.0	0.0	0.0	1.8	5.0	1.9	1.2	1.2
5	0.75	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.2	1.9	1.2	1.1
6	0.68	0.0	0.0	0.0	0.0	0.0	0.0	2.6	4.8	1.8	1.2	1.1
7	0.68	0.0	0.0	0.0	0.0	0.0	0.0	2.6	4.5	1.7	1.1	1.1
8	0.71	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.1	1.7	1.2	1.0
9	0.69	0.0	0.0	0.0	0.0	0.0	0.0	2.8	4.1	1.7	1.1	1.0
10	0.69	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.3	1.7	1.0	1.1
11	0.61	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.8	1.7	1.0	1.0
12	0.67	0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.8	1.8	1.0	0.99
13	0.64	0.0	0.0	0.0	0.0	0.0	0.0	3.3	5.2	1.7	0.99	0.97
14	0.28	0.0	0.0	0.0	0.0	0.0	0.0	3.4	4.6	1.6	0.95	0.96
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	4.1	1.6	0.94	1.1
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.8	1.5	0.84	0.95
17	0.0	0.0	0.0	0.0	0.0	0.0	0.28	3.8	3.7	1.4	0.82	0.94
18	0.0	0.0	0.0	0.0	0.0	0.0	0.55	3.8	3.6	1.4	0.79	0.89
19	0.0	0.0	0.0	0.0	0.0	0.0	0.43	3.9	3.6	1.3	0.75	0.96
20	0.0	0.0	0.0	0.0	0.0	0.0	0.33	4.6	3.4	1.4	0.73	0.89
21	0.0	0.0	0.0	0.0	0.0	0.0	0.43	4.1	3.2	1.3	0.76	0.89
22	0.0	0.0	0.0	0.0	0.0	0.0	0.33	3.7	3.1	1.2	0.77	0.88
23	0.0	0.0	0.0	0.0	0.0	0.0	0.38	3.6	2.9	1.4	0.80	0.84
24	0.0	0.0	0.0	0.0	0.0	0.0	0.43	3.9	2.9	1.6	1.2	0.82
25	0.0	0.0	0.0	0.0	0.0	0.0	0.49	4.1	2.9	2.2	1.4	0.81
26	0.0	0.0	0.0	0.0	0.0	0.0	0.49	5.3	2.8	1.7	1.5	0.80
27	0.0	0.0	0.0	0.0	0.0	0.0	0.70	5.2	2.7	1.6	1.5	0.78
28	0.0	0.0	0.0	0.0	0.0	0.0	0.76	4.4	2.6	1.5	1.5	0.77
29	0.0	0.0	0.0	0.0	0.0	0.0	0.82	4.0	2.5	1.5	1.5	0.76
30	0.0	0.0	0.0	0.0	---	0.0	0.87	4.0	2.4	1.4	1.4	0.75
31	0.0	---	0.0	0.0	---	0.0	---	3.7	---	1.3	1.4	---
TOTAL	9.38	0.0	0.0	0.0	0.0	0.0	7.30	100.6	113.7	50.8	34.16	29.14
MEAN	0.30	0.0	0.0	0.0	0.0	0.0	0.24	3.25	3.79	1.64	1.10	0.97
AC-FT	19	0.0	0.0	0.0	0.0	0.0	14	200	226	101	68	58
MAX	0.75	0.0	0.0	0.0	0.0	0.0	0.87	5.3	5.8	2.2	1.5	1.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.4	1.2	0.73	0.75

CAL YR 1991 TOTAL 501.41 MEAN 1.37 MAX 14 MIN 0.00 AC-FT 995  
WTR YR 1992 TOTAL 345.08 MEAN 0.94 MAX 5.8 MIN 0.00 AC-FT 684

MAX DISCH 9.1 CFS AT 1900 12-JUN-1992 GH 0.85 FT. SHIFT -0.01 FT. MAX GH 0.85 FT. AT 1900  
12-JUN-1992

## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO

LOCATION.--Treasure Pass diversion ditch diverts water from tributaries of Wolf Creek in San Juan River basin, to tributary of South Fork Rio Grande in sec.5, T.37 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	0.77	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.71	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.77	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.77	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.77	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.71	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.66	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.56	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.56	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.51	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.47	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.51	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.16	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.66	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.61	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.48	22.03	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.73	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	44	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	1.2	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 1991 TOTAL	4.61	MEAN	0.01	MAX	0.88	MIN	0.00	AC-FT	9.1
WTR YR 1992 TOTAL	31.51	MEAN	0.09	MAX	1.2	MIN	0.00	AC-FT	63

MAX DISCH 1.7 CFS AT 1715 06-JUN-1992 GH 0.29 FT. SHIFT 0.08 FT. MAX GH 0.29 FT. AT 1715  
06-JUN-1992

## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO

LOCATION.--SW¼ sec.33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River Basin to Red Mountain Creek in Rio Grande River Basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 9 in. Parshall flume.

REMARKS.--Record is good for all periods. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--DLFDT1C002 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.06	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.05	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.08	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.12	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.10	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.06	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.05	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.04	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.04	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.04	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.04	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.04	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.02	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	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	23.86	1.94	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	0.06	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	3.8	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.28	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 1991 TOTAL		31.18	MEAN	0.09	MAX	2.5	MIN	0.00	AC-FT	62		
WTR YR 1992 TOTAL		25.80	MEAN	0.07	MAX	1.9	MIN	0.00	AC-FT	51		

MAX DISCH 2.5 CFS AT 1700 13-JUN-1992 GH 0.93 FT. SHIFT -0.05 FT. MAX GH 0.93 FT. AT 1700  
13-JUN-1992

## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO

LOCATION.--SW¼ sec.33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River in San Juan River Basin to Red Mountain Creek in Rio Grande River Basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 1.5 ft Parshall flume.

REMARKS.--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.--DLFDT2CO02 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.76	2.5
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.71	2.5
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.71	2.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.71	2.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.63	1.8
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.76	1.6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.5	1.4
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.6	0.70
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.0	1.3	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.8	1.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.8	1.1	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	1.9	1.2	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.7	1.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.4	1.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	1.2	0.90	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.1	0.90	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	1.0	0.80	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.99	0.67	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.94	0.63	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.90	0.59	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.90	0.55	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.76	0.79	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.85	0.80	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	1.0	2.4	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	1.7	2.2	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	1.3	2.7	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	1.2	2.9	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	1.0	3.1	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.99	3.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.3	0.85	2.7	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.90	2.7	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	106.6	52.38	42.71	14.70
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.55	1.69	1.38	0.49
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	211	104	85	29
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	4.3	3.1	2.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.55	0.0

CAL YR 1991 TOTAL	207.12	MEAN	0.57	MAX	6.6	MIN	0.00	AC-FT	411
WTR YR 1992 TOTAL	216.39	MEAN	0.59	MAX	6.5	MIN	0.00	AC-FT	429

MAX DISCH	8.6 CFS	AT 1730	26-JUN-1992	GH	1.31 FT.	SHIFT	-0.05 FT.	MAX GH	1.31 FT.	AT 1730
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## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09347000 DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO

LOCATION.--Don La Font ditches 1 and 2 divert water from tributaries of Piedra River between headgates in NW¼ sec.4, T.38 N., R.1 W., and SW¼ sec.33, T.39 N., R.1 W., and Piedra pass, in San Juan River basin, to Red Mountain Creek in sec.33, T.39 N., R.1 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorders.

REMARKS.--Records combined to obtain this record.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.76	2.5
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.71	2.5
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.71	2.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.71	2.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.63	1.8
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.76	1.6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.5	1.4
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.6	0.70
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.1	1.3	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.8	1.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.9	1.1	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	2.0	1.2	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	1.8	1.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	1.5	1.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	1.2	0.90	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.1	0.90	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	1.0	0.80	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.0	0.67	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.98	0.63	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.94	0.59	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.92	0.55	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.76	0.79	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.85	0.80	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	1.0	2.4	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	1.7	2.2	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	1.3	2.7	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.2	2.9	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	1.0	3.1	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.99	3.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.85	2.7	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.90	2.7	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130.4	54.29	42.71	14.70
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.35	1.75	1.38	0.49
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	259	108	85	29
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	4.6	3.1	2.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.55	0.0
CAL YR 1991 TOTAL		238.44	MEAN	0.65	MAX	9.1	MIN	0.00	AC-FT	473		
WTR YR 1992 TOTAL		242.10	MEAN	0.66	MAX	7.4	MIN	0.00	AC-FT	480		

NO PEAK DATA AVAILABLE





## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Weminuche Pass ditch diverts water from left bank of Rincon la Vaca Creek (tributary to Los Pinos River) in sec.5., T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec.33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 5' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	14	7.7	8.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	13	7.1	7.5
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	12	6.7	7.1
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	11	6.9	6.9
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	11	6.7	6.7
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	10	6.0	6.2
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	9.6	4.5	5.8
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	9.6	4.7	5.6
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	9.1	4.5	5.4
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	8.7	5.6	5.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	9.1	5.6	5.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	9.6	5.0	4.9
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	8.7	4.7	4.7
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	7.7	4.1	4.7
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	8.0	4.0	5.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	7.1	4.1	3.3
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	6.2	4.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	6.2	3.4	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	6.0	3.4	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	5.6	3.3	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	21	5.4	3.4	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	21	5.0	3.6	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	20	5.4	4.3	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	20	5.8	10	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	18	12	9.4	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	18	8.4	8.7	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	17	7.3	7.5	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	16	6.9	7.3	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	16	6.9	7.5	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	22	15	6.2	7.7	0.0
31	0.0	---	0.0	0.0	---	0.0	---	21	---	6.7	8.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172.2	624	258.2	179.4	92.2
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.55	20.8	8.33	5.79	3.07
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	342	1240	512	356	183
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	25	14	10	8.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	5.0	3.3	0.0

CAL YR 1991 TOTAL	345.38	MEAN	0.95	MAX	19	MIN	0.00	AC-FT	685
WTR YR 1992 TOTAL	1326.0	MEAN	3.62	MAX	25	MIN	0.00	AC-FT	2630

MAX DISCH 26 CFS AT 2000 13-JUN-1992 GH 1.26 FT. SHIFT -0.07 FT. MAX GH 1.26 FT. AT 2000  
13-JUN-1992



## GUNNISON RIVER BASIN

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR

**LOCATION.**--Lat 38°59'15", long 107°20'53", in the NE¼SE¼NW¼ sec 28, T.12 S., R.89 W. in Gunnison County on the right bank 700 ft. downstream from county bridge and 1400 ft. upstream from high water line of Paonia Reservoir.

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

**REMARKS.**--Estimated daily discharge: Dec. 1,1991-Feb.23, 1992, when stage-discharge relationship was ice affected. Estimated period of daily discharge was compared to temperatures and storage records for Paonia Reservoir. 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.**--MUDAPRC04 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	26	18	16	15	29	77	597	291	48	16	21
2	19	27	18	16	15	27	80	525	238	47	15	20
3	21	11	18	16	16	29	86	470	211	45	16	19
4	19	21	18	15	16	30	100	443	202	45	17	18
5	21	28	18	15	16	30	109	430	183	45	20	18
6	22	26	19	15	16	36	102	412	178	37	28	16
7	22	28	20	20	16	39	114	421	165	32	31	16
8	19	26	20	18	16	38	124	500	153	53	23	13
9	18	27	20	18	16	34	139	513	138	51	23	11
10	18	28	20	17	16	29	167	475	130	40	22	12
11	17	28	21	17	16	30	200	364	134	36	21	12
12	18	24	21	17	17	34	225	349	140	42	26	12
13	20	21	18	16	17	38	280	336	126	55	22	11
14	21	21	18	16	17	42	306	324	121	47	15	8.0
15	25	31	16	16	17	43	296	311	111	42	9.6	6.4
16	24	26	17	16	17	46	332	293	102	41	9.3	15
17	23	23	17	16	17	50	285	281	93	37	14	19
18	23	23	17	16	17	47	325	267	88	33	12	19
19	22	22	20	16	14	38	262	259	83	32	14	22
20	23	11	19	15	16	36	212	278	80	32	12	32
21	23	29	19	15	18	37	191	357	76	37	11	27
22	23	20	19	16	19	41	211	316	72	37	18	19
23	23	25	19	16	18	42	216	278	65	32	26	17
24	42	30	17	15	19	42	210	284	67	30	36	18
25	44	31	17	14	17	43	263	290	68	29	32	16
26	35	32	16	16	19	51	311	368	64	29	37	13
27	30	26	16	16	24	55	352	721	61	26	21	13
28	29	31	16	16	23	80	459	628	58	24	17	16
29	24	20	16	16	25	72	535	470	55	24	16	13
30	23	19	16	16	---	69	574	390	53	24	16	13
31	21	---	16	15	---	74	---	332	---	19	18	---
TOTAL	731	741	560	498	505	1331	7143	12282	3606	1151	613.9	485.4
MEAN	23.6	24.7	18.1	16.1	17.4	42.9	238	396	120	37.1	19.8	16.2
AC-FT	1450	1470	1110	988	1000	2640	14170	24360	7150	2280	1220	963
MAX	44	32	21	20	25	80	574	721	291	55	37	32
MIN	17	11	16	14	14	27	77	259	53	19	9.3	6.4
CAL YR 1991 TOTAL	35239.4		MEAN	96.5	MAX	950	MIN	2.2	AC-FT	69900		
WTR YR 1992 TOTAL	29647.3		MEAN	81.0	MAX	721	MIN	6.4	AC-FT	58810		
MAX DISCH	822 CFS AT 0830		27-MAY-1992 GH			7.54 FT. SHIFT		0.00 FT. MAX GH		7.54 FT. AT 0830		
27-MAY-1992												



## GUNNISON RIVER BASIN

## ABC LATERAL NEAR MONTROSE, COLO

**LOCATION.**--Lat 38°29'06", long 107°44'57", in SE¼NE¼NE¼ sec. 27, T.49 N., R.8 W., Montrose County, on left bank of canal 270 ft. below takeout from South Canal, such takeout being 1700 ft. below the west portal of the Gunnison Tunnel.

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

**REMARKS.**--Canal operated from Oct. 1, 1991-Oct. 28, 1991. Seepage flows from Oct. 29, 1991-Apr. 8, 1992. Normal operation from Apr. 9, -Sep. 30, 1992. The record is complete, reliable and good, except for 19 estimated days in the period from Nov. 26, 1991 to Mar. 7, 1992, which is fair. Station maintained and records developed by Charles David with the assistance of Gerald M. Thrush.

**RATING TABLE.**--ABCLATCO01 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	1.4	3.0	1.4	1.8	2.5	1.4	54	155	168	167	112
2	61	1.6	3.6	1.4	1.8	2.5	1.4	55	155	168	167	112
3	61	1.6	2.3	1.4	1.8	2.5	1.4	54	155	169	167	112
4	61	1.6	3.8	1.4	1.8	1.5	1.4	54	155	170	168	112
5	60	1.6	3.8	1.2	1.8	0.93	1.4	85	156	170	168	112
6	59	1.7	3.8	1.1	1.7	1.6	1.4	107	156	171	168	112
7	58	1.7	3.8	1.1	1.7	2.9	1.4	129	157	175	168	112
8	55	1.8	3.8	1.1	1.4	2.9	1.4	147	157	175	169	112
9	55	1.9	2.8	0.98	1.4	2.9	1.0	148	157	174	168	112
10	54	1.8	2.5	1.4	1.4	2.9	1.6	147	158	174	169	112
11	54	1.9	2.5	1.6	1.4	2.9	1.6	148	158	173	169	116
12	55	2.0	2.4	1.8	1.4	2.8	1.6	149	159	172	169	116
13	55	2.0	2.3	1.8	1.4	2.9	1.6	150	158	172	168	116
14	55	2.0	2.3	1.8	1.4	2.9	2.0	151	158	171	168	115
15	50	2.0	2.1	1.7	1.4	2.8	3.0	151	159	171	168	117
16	42	2.0	1.8	1.7	1.4	2.9	3.0	151	159	170	168	118
17	42	2.1	1.8	1.8	1.4	2.9	2.9	151	160	170	167	116
18	42	2.2	1.8	1.8	1.4	2.9	2.9	151	161	169	167	114
19	42	2.2	1.8	1.8	1.1	2.6	2.9	152	162	169	166	112
20	42	2.2	1.8	1.8	1.8	2.3	2.9	152	163	169	167	112
21	43	2.2	1.7	1.8	2.5	1.3	2.9	152	163	168	167	112
22	46	1.9	1.7	1.9	2.5	0.70	3.0	152	163	168	166	112
23	46	1.8	1.6	1.9	2.5	1.2	3.3	151	164	168	166	111
24	46	2.3	1.6	1.8	2.5	1.0	3.6	151	165	166	165	111
25	36	2.1	1.6	1.8	2.5	1.2	3.8	152	166	165	165	111
26	18	2.3	1.6	1.8	2.5	1.2	3.7	152	166	165	165	111
27	18	1.9	1.6	1.8	2.5	2.4	4.2	153	166	166	133	111
28	9.6	2.3	1.2	1.8	2.5	3.8	4.7	153	168	166	113	111
29	0.92	2.5	0.79	1.8	2.5	3.8	4.7	154	168	166	113	111
30	1.8	2.8	1.0	1.9	---	2.3	5.1	154	168	167	113	107
31	2.2	---	1.3	1.8	---	1.4	---	155	---	167	112	---
TOTAL	1330.52	59.4	69.49	50.18	53.2	71.33	671.2	4165	4815	5252	4934	3380
MEAN	42.9	1.98	2.24	1.62	1.83	2.30	22.4	134	161	169	159	113
AC-FT	2640	118	138	1 00	106	141	1330	8260	9550	10420	9790	6700
MAX	61	2.8	3.8	1.9	2.5	3.8	5.1	155	168	175	169	118
MIN	0.92	1.4	0.79	0.98	1.1	0.70	1.4	54	155	165	112	107

CAL YR 1991 TOTAL 21194.41 MEAN 58.1 MAX 155 MIN 0.79 AC-FT 42040  
WTR YR 1992 TOTAL 24851.33 MEAN 67.9 MAX 175 MIN 0.70 AC-FT 49290

MAX DISCH 176 CFS AT 0815 07-JUL-1992 GH 3.69 FT. SHIFT -0.19 FT. MAX GH 3.69 FT. AT 0815



## GUNNISON RIVER BASIN

## REDLANDS CANAL NEAR GRAND JUNCTION, COLO

**LOCATION.**--Lat 39°01'49", long 108°33'51", in NW¼SW¼NW¼ sec 35, T.1 S.,R.1 W., Mesa County, on the Right bank of canal 650 ft. below the Redlands diversion dam.

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

**REMARKS.**--Record is complete and reliable except for the following period: Jan. 24-27, 1992 when stage-discharge relation affected by ice. Records good except for estimated period which is fair. Station maintained and records developed by Charles G. David.

**RATING TABLE.**--RLCGRJCO03 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	770	0.0	736	737	747	744	471	745	709	739	748	746
2	763	0.0	735	737	745	747	750	744	727	745	745	742
3	763	63	738	736	737	748	752	746	726	746	745	742
4	761	464	737	738	737	748	751	746	716	745	749	744
5	759	730	739	736	736	750	752	746	730	746	746	744
6	757	744	740	737	733	746	753	746	711	747	747	744
7	757	755	739	735	730	747	741	746	702	747	749	744
8	754	752	738	740	734	747	736	698	725	749	749	743
9	748	739	741	738	732	746	735	516	743	748	749	744
10	747	737	741	737	734	745	736	747	744	746	750	744
11	750	745	738	738	736	745	736	744	745	748	751	741
12	752	753	734	738	739	747	737	746	745	746	751	744
13	752	754	740	741	741	749	736	746	744	749	750	748
14	746	753	736	737	740	750	736	744	745	747	751	749
15	749	753	735	737	743	752	738	744	748	748	752	744
16	750	745	735	739	737	748	735	746	748	748	751	745
17	744	748	736	742	737	748	735	744	748	749	751	745
18	745	749	737	747	735	747	736	742	749	749	750	752
19	744	745	736	746	736	748	736	741	749	750	751	750
20	743	742	739	745	739	746	735	739	749	748	749	750
21	746	735	738	734	742	745	736	738	750	747	749	748
22	741	739	736	728	744	748	745	738	748	746	749	746
23	738	738	737	728	741	746	743	736	748	748	751	747
24	739	738	735	650	740	745	744	735	748	749	752	751
25	743	739	736	640	739	746	745	738	750	749	747	749
26	741	738	736	650	742	746	745	738	749	750	746	748
27	740	737	735	680	741	389	745	737	749	749	746	748
28	739	738	737	750	741	0.0	745	735	751	749	744	746
29	736	738	738	752	743	0.0	745	735	742	750	746	745
30	736	738	735	751	---	0.0	745	710	734	748	745	743
31	439	---	736	748	---	0.0	---	689	---	748	747	---
TOTAL	22892	19849	22849	22592	21421	19813	21975	22645	22172	23173	23206	22376
MEAN	738	662	737	729	739	639	733	730	739	748	749	746
AC-FT	45410	39370	45320	44810	42490	39300	43590	44920	43980	45960	46030	44380
MAX	770	755	741	752	747	752	753	747	751	750	752	752
MIN	439	0.0	734	640	730	0.0	471	516	702	739	744	741

CAL YR 1991 TOTAL 263847 MEAN 723 MAX 832 MIN 0.00 AC-FT 523300  
WTR YR 1992 TOTAL 264963 MEAN 724 MAX 770 MIN 0.00 AC-FT 525600

MAX DISCH 773 CFS AT 0015 01-OCT-1991 GH 6.85 FT. SHIFT -0.62 FT. MAX GH 6.85 FT. AT 0015  
01-OCT-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 mi<sup>2</sup>.

**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. 1-4, 1991 when the USBR blocked off the flume, partially isolating the gage, resulting in an indefinite stage-discharge relationship. Jan. 19-28, 1992 when ice in the flume forced the flow away from the inlet, resulting in an indefinite stage-discharge relationship. Jul. 16-23, 1992 when the USBR 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. Aug. 25-Sep. 4, 1992 when a major rainstorm in the area deposited a large amount of gravel in the flume approach, resulting in an indefinite stage-discharge relationship. Stage-discharge relationship affected by ice Nov. 3-4, 19-28; Dec. 3-31, 1991; Jan. 1, 3-18, 29-31; Feb. 1-8, 13, 16-18, 1992. 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	26	29	18	20	30	20	51	134	138	42	70
2	26	26	26	18	20	30	20	44	148	120	39	60
3	26	22	24	16	22	29	22	42	144	115	35	50
4	24	22	24	16	22	28	26	42	162	114	35	45
5	23	37	24	18	22	27	26	42	189	119	33	40
6	23	61	24	18	20	26	25	42	186	113	67	36
7	23	61	26	18	20	28	23	42	278	102	60	34
8	22	52	26	18	20	30	23	41	384	98	49	31
9	22	52	26	16	20	27	26	42	303	95	38	29
10	21	60	26	14	20	25	29	42	262	85	33	28
11	21	57	26	14	20	26	25	43	286	84	34	27
12	20	46	28	16	20	29	24	45	330	109	132	26
13	20	42	24	14	20	34	27	52	341	130	68	25
14	19	44	24	14	19	41	24	58	315	96	51	24
15	19	48	20	14	20	44	24	57	280	79	61	29
16	18	46	18	14	16	42	25	59	232	75	57	26
17	18	40	20	14	16	40	26	65	200	70	45	24
18	18	36	20	14	16	37	26	70	214	70	39	22
19	18	34	22	14	17	33	25	59	241	65	34	84
20	18	30	22	14	20	31	24	122	243	65	31	43
21	18	30	22	14	20	33	25	128	250	65	29	32
22	17	32	20	14	20	35	25	98	235	60	54	28
23	18	26	20	14	21	32	25	83	205	60	162	25
24	19	28	18	14	19	31	25	110	235	60	755	23
25	20	28	18	14	20	33	26	89	160	138	250	21
26	19	30	18	16	20	37	26	107	109	150	200	19
27	20	30	18	16	21	38	27	136	94	95	150	18
28	22	30	18	18	23	40	37	153	79	75	120	18
29	22	31	18	20	28	39	37	162	103	61	100	18
30	23	30	18	20	---	29	45	164	142	51	90	17
31	26	---	18	20	---	26	---	165	---	46	80	---
TOTAL	651	1137	685	492	582	1010	788	2455	6484	2803	2973	972
MEAN	21.0	37.9	22.1	15.9	20.1	32.6	26.3	79.2	216	90.4	95.9	32.4
AC-FT	1290	2260	1360	976	1150	2000	1560	4870	12860	5560	5900	1930
MAX	28	61	29	20	28	44	45	165	384	150	755	84
MIN	17	22	18	14	16	25	20	41	79	46	29	17

CAL YR 1991 TOTAL 14381 MEAN 39.4 MAX 227 MIN 17 AC-FT 28520  
WTR YR 1992 TOTAL 21032 MEAN 57.5 MAX 755 MIN 14 AC-FT 41720

MAX DISCH 3132 CFS AT 1430 24-AUG-1992 GH 5.14 FT. SHIFT -0.02 FT. MAX GH 5.14 FT. AT 1430  
24-AUG-1992

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

**GAGE.**--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

**REMARKS.**--Estimated daily discharge: Oct. 15-Nov. 11, 1991, Nov. 15-Dec. 20, 1991 and Feb. 3-Mar. 24, 1992 when recorder malfunctioned; Dec. 21, 1991-Jan. 19, 1992 when stage-discharge relationship was affected by ice; Jan. 20-Feb. 2 when float was freezing in well. Records good except for estimated daily discharges which are poor. Diversions for irrigation of about 3170 acres upstream from station. High water diversions upstream from station into Heron Reservoir through the Azotea Tunnel began in 1971. Station maintained and records developed by Richard E. (Val) Valentine, David A. Nelson and Scott D. Brinton.

**RATING TABLE.**--RIOMOUCC03 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	27	35	22	24	38	173	294	282	168	67	70
2	30	27	30	22	24	40	149	269	293	138	67	60
3	29	24	30	18	26	40	140	252	242	129	48	58
4	27	24	30	18	30	44	168	238	262	123	42	51
5	25	30	30	20	32	46	154	213	314	129	42	45
6	25	40	30	20	30	44	151	201	326	125	49	41
7	25	80	30	20	28	44	178	195	379	115	78	36
8	24	80	30	20	28	50	195	192	520	104	63	34
9	24	70	30	18	30	52	213	195	445	104	48	31
10	24	60	30	16	30	52	213	219	370	93	42	30
11	24	70	30	18	30	50	235	184	362	92	41	28
12	23	58	35	18	30	50	245	165	406	102	56	27
13	22	56	30	20	32	52	262	176	430	155	84	26
14	22	58	30	18	32	56	306	198	415	127	54	25
15	21	70	24	18	30	60	280	201	379	88	56	27
16	21	80	22	18	28	65	232	198	326	80	59	32
17	20	70	24	18	28	65	204	204	266	71	54	30
18	20	60	24	18	26	60	195	210	258	68	51	30
19	20	50	26	18	26	60	163	210	298	64	45	76
20	20	40	26	18	28	55	142	278	298	63	43	68
21	20	40	26	18	30	60	138	370	302	59	39	45
22	20	35	24	18	30	65	140	310	306	54	38	38
23	19	30	24	18	30	70	136	232	269	49	155	33
24	20	35	22	18	32	80	147	306	279	71	652	31
25	21	35	22	18	30	95	173	280	237	132	359	31
26	22	35	22	20	30	98	189	342	140	184	201	24
27	21	35	22	20	30	104	204	358	127	113	140	25
28	22	35	22	22	32	129	229	362	100	86	106	26
29	24	35	22	24	34	129	255	366	104	72	86	23
30	24	35	22	24	---	127	269	366	160	68	76	22
31	25	---	22	24	---	136	---	346	---	67	68	---
TOTAL	715	1424	826	600	850	2116	5878	7930	8895	3093	3009	1123
MEAN	23.1	47.5	26.6	19.4	29.3	68.3	196	256	297	99.8	97.1	37.4
AC-FT	1420	2820	1640	1190	1690	4200	11660	15730	17640	6130	5970	2230
MAX	31	80	35	24	34	136	306	370	520	184	652	76
MIN	19	24	22	16	24	38	136	165	100	49	38	22
CAL YR 1991 TOTAL		28452	MEAN	78.0	MAX	628	MIN	19	AC-FT	56430		
WTR YR 1992 TOTAL		36459	MEAN	99.6	MAX	652	MIN	16	AC-FT	72320		

MAX DISCH 2970 CFS AT 1930 24-AUG-1992 GH 5.28 FT. SHIFT 0.00 FT. MAX GH 5.28 FT. AT 1930  
24-AUG-1992

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

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 7,939.3 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

**REMARKS.**--Diversions for irrigation of about 450 acres upstream from station. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Nov. 20, 24; Dec. 3-5, 27-29, 1991; Jan. 1, 2, 9-31; Feb. 1, 6, 7, 16-20, 22, 24-29, 1992. Nov. 29-30; Dec.1, 2, 6-26, 30, 31, 1991; Jan. 3-7, 1992, when float was frozen in ice in well. Record fair except for the winter period and period of no gage-height record which is poor. Station maintained and records developed by Scott D. Brinton.

**RATING TABLE.**--NAVBANCO21 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	27	30	30	30	33	50	348	276	204	71	69
2	40	30	28	30	31	34	50	345	258	167	69	67
3	40	30	28	24	31	35	60	338	275	147	65	60
4	39	29	28	26	30	34	74	318	308	143	62	52
5	38	33	30	28	30	33	76	296	429	142	58	50
6	37	37	30	30	30	33	82	297	481	144	70	52
7	37	41	30	30	30	33	101	301	453	141	76	50
8	34	40	30	30	30	35	107	303	423	134	70	49
9	35	40	30	28	29	33	113	302	344	131	64	48
10	35	42	30	26	29	32	127	296	315	129	63	47
11	34	44	30	28	29	32	150	247	331	137	58	45
12	34	39	32	30	29	34	188	229	393	145	81	44
13	34	38	30	30	30	37	234	250	432	148	83	43
14	33	40	30	28	29	39	300	284	416	129	62	43
15	32	43	28	28	29	41	282	295	380	111	68	46
16	31	42	28	26	26	40	245	300	319	100	67	47
17	31	39	30	26	26	40	219	309	264	93	62	44
18	31	38	30	26	26	40	216	320	278	88	57	39
19	31	35	32	26	26	37	193	378	320	86	53	52
20	31	35	32	26	28	37	170	628	353	77	53	49
21	31	35	32	26	30	39	158	684	378	78	53	43
22	31	37	30	26	30	40	159	541	358	73	51	43
23	31	31	30	26	31	38	153	445	316	67	90	43
24	31	30	30	26	28	38	168	482	307	66	537	42
25	31	30	30	26	28	40	206	412	293	101	264	40
26	31	29	30	28	28	42	235	411	294	154	192	39
27	32	30	30	28	30	44	255	511	268	121	144	39
28	32	34	30	30	30	44	308	470	238	103	117	38
29	30	32	30	32	30	45	309	404	228	89	102	38
30	30	30	30	32	---	47	339	358	221	78	89	37
31	28	---	30	32	---	50	---	306	---	75	80	---
TOTAL	1037	1060	928	868	843	1179	5327	11408	9949	3601	3031	1398
MEAN	33.5	35.3	29.9	28.0	29.1	38.0	178	368	332	116	97.8	46.6
AC-FT	2060	2100	1840	1720	1670	2340	10570	22630	19730	7140	6010	2770
MAX	42	44	32	32	31	50	339	684	481	204	537	69
MIN	28	27	28	24	26	32	50	229	221	66	51	37

CAL YR 1991 TOTAL 42205 MEAN 116 MAX 668 MIN 22 AC-FT 83710  
WTR YR 1992 TOTAL 40629 MEAN 111 MAX 684 MIN 24 AC-FT 80590

MAX DISCH 1434 CFS AT 1730 24-AUG-1992 GH 3.61 FT. SHIFT 0.15 FT. MAX GH 3.61 FT. AT 1730











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

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 8,104.71 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--La Plata River and Cherry Creek ditch and Pine Ridge ditch export water upstream from station for irrigation of up to 2000 acres in the Cherry Creek drainage and 300 acres in the Lightner and Basin Creek drainages. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Nov. 3, 19-20, 22-24; Dec. 1-10, 13-17, 19-21, 23-31, 1991; Jan. 1-31; Feb. 1, 2, 4-7, 9, 14-20, 22-29, 1992. Record good except for the winter period which is poor. Station maintained and records developed by Scott D. Brinton.

**RATING TABLE.**--LAPHESCO31 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	7.4	9.0	7.5	7.5	8.4	28	259	145	39	14	22
2	13	7.4	7.0	7.0	7.5	8.7	28	238	151	33	12	19
3	13	7.0	7.0	7.0	7.6	9.4	31	218	163	31	11	17
4	12	6.5	7.5	8.0	7.5	9.0	35	175	165	30	12	16
5	12	6.6	8.0	8.0	7.5	9.6	38	147	270	30	16	15
6	12	6.8	8.0	8.0	8.0	9.6	44	163	263	29	19	14
7	11	6.9	8.0	8.0	8.0	9.8	56	178	217	30	25	13
8	9.6	7.1	8.0	8.0	8.3	11	77	181	179	29	21	13
9	9.2	7.2	8.0	7.0	8.5	11	104	203	136	29	18	13
10	8.9	7.6	8.0	6.5	8.5	12	127	173	133	26	18	12
11	9.1	8.0	8.9	6.5	8.5	12	147	136	136	30	18	12
12	8.8	8.0	8.4	7.0	8.1	12	157	134	148	36	22	11
13	7.5	8.0	8.0	7.0	8.4	12	163	169	155	35	19	11
14	7.3	9.1	7.0	7.0	8.0	12	175	201	136	26	17	11
15	8.5	11	7.0	6.0	8.0	12	152	203	123	22	19	11
16	9.7	9.3	7.0	6.5	8.0	13	134	187	110	20	23	11
17	9.4	10	8.0	7.0	8.0	14	119	190	95	17	18	11
18	9.3	9.7	8.8	7.0	7.0	15	121	186	88	16	15	11
19	9.2	8.5	10	7.0	8.0	17	108	188	88	16	13	55
20	9.0	7.5	9.0	7.0	8.0	18	99	290	86	16	12	39
21	8.8	8.0	8.5	7.0	8.3	18	98	337	85	14	12	31
22	8.7	7.5	8.5	7.0	8.0	19	104	242	82	15	15	27
23	8.7	6.5	8.0	7.0	8.0	20	101	217	69	17	24	23
24	9.1	7.0	8.0	7.0	8.0	20	109	309	59	19	54	20
25	9.0	7.0	8.0	7.0	8.0	21	134	305	67	42	51	18
26	8.8	7.4	8.0	7.0	8.0	22	147	334	54	30	53	17
27	8.5	7.9	7.0	7.0	8.0	23	172	379	48	24	38	15
28	9.0	8.3	7.0	7.5	8.5	24	215	330	47	21	30	16
29	8.0	9.1	8.0	7.5	8.5	25	250	239	47	18	25	15
30	7.5	9.7	7.5	7.5	---	26	255	181	43	16	22	14
31	7.4	---	7.0	7.5	---	28	---	153	---	15	21	---
TOTAL	298.0	238.0	246.1	222.0	232.2	481.5	3528	6845	3588	771	687	533
MEAN	9.61	7.93	7.94	7.16	8.01	15.5	118	221	120	24.9	22.2	17.8
AC-FT	591	472	488	440	461	955	7000	13580	7120	1530	1360	1060
MAX	16	11	10	8.0	8.5	28	255	379	270	42	54	55
MIN	7.3	6.5	7.0	6.0	7.0	8.4	28	134	43	14	11	11

CAL YR 1991 TOTAL 13308.4 MEAN 36.5 MAX 216 MIN 6.0 AC-FT 26400  
WTR YR 1992 TOTAL 17669.8 MEAN 48.3 MAX 379 MIN 6.0 AC-FT 35050

MAX DISCH 398 CFS AT 0400 21-MAY-1992 GH 3.50 FT. SHIFT -0.16 FT. MAX GH 3.50 FT. AT 0400

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 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gauge is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

**REMARKS.**--Estimated daily discharge: Nov. 3-4, Nov. 19-30; Dec. 1-31, 1991; Jan. 1-14, 1992 stage affected by ice; Jan. 15-Feb. 25, 1992 well frozen; Records good 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.27	0.38	1.5	1.5	1.5	4.7	63	65	38	8.2	3.6	2.0
2	0.20	0.38	1.0	1.5	1.5	4.9	45	61	34	7.3	3.7	1.9
3	0.10	0.40	1.0	1.5	2.0	6.9	36	56	27	6.5	3.6	1.6
4	0.11	0.50	1.0	2.0	1.5	8.9	44	51	25	5.9	3.3	1.6
5	0.09	0.89	1.5	1.5	1.5	8.7	47	46	24	5.3	1.8	1.2
6	0.11	1.0	2.0	2.0	1.5	9.0	56	37	24	5.2	0.85	0.91
7	0.11	1.0	2.0	2.0	1.5	11	66	37	21	6.0	0.62	0.68
8	0.11	0.98	2.0	1.5	1.5	15	72	35	17	7.1	0.72	0.37
9	0.16	0.81	2.0	1.5	2.0	12	82	36	20	7.2	0.72	0.39
10	0.25	0.74	2.0	1.5	2.0	9.2	84	71	12	6.1	0.65	0.31
11	0.24	0.90	2.0	1.5	2.0	8.8	87	41	9.7	9.4	0.48	0.30
12	0.23	0.73	2.0	1.5	2.0	9.2	94	33	8.4	28	0.41	0.28
13	0.18	0.65	2.0	1.5	2.5	11	92	30	5.8	27	0.43	0.31
14	0.18	0.81	1.5	1.0	2.5	16	108	29	11	13	0.44	0.28
15	0.25	6.3	1.0	0.50	2.0	21	94	32	11	7.9	0.40	0.30
16	0.23	9.1	1.5	0.50	2.0	22	82	33	7.9	8.0	0.52	0.53
17	0.21	4.0	1.5	0.50	1.5	24	67	28	5.7	8.5	0.24	0.45
18	0.17	2.8	1.5	0.50	1.0	22	71	24	4.3	7.1	0.31	0.37
19	0.09	2.0	2.0	0.50	2.0	14	61	23	4.0	6.2	0.20	2.3
20	0.15	2.0	2.0	0.50	2.0	13	51	29	7.0	6.2	0.05	6.0
21	0.22	2.0	2.0	0.50	2.5	19	47	73	6.9	5.8	0.0	3.8
22	0.16	2.0	2.0	0.50	3.0	16	47	47	5.4	5.8	0.02	1.7
23	0.29	1.0	2.0	0.50	3.0	19	45	35	4.6	5.0	0.97	1.2
24	0.27	1.0	2.0	1.0	2.5	20	44	66	9.7	7.5	3.2	1.1
25	0.44	1.5	2.0	1.0	2.5	26	47	58	14	18	4.2	1.0
26	0.35	1.5	2.0	1.0	2.8	30	47	74	14	15	3.6	1.0
27	0.32	2.0	1.5	1.0	3.1	31	53	96	9.9	9.8	3.8	0.94
28	0.50	2.0	1.5	1.0	3.3	41	57	76	9.6	6.9	2.8	0.80
29	0.44	2.0	1.5	1.5	4.4	32	71	62	9.3	5.0	2.6	0.88
30	1.0	1.5	1.5	1.5	---	29	72	60	9.3	4.1	2.1	0.87
31	0.96	---	1.5	1.5	---	56	---	46	---	3.7	1.8	---
TOTAL	8.38	52.86	52.5	36.00	63.1	570.3	1932	1490	409.5	272.7	48.10	35.38
MEAN	0.27	1.76	1.69	1.16	2.18	18.4	64.4	48.1	13.6	8.80	1.55	1.18
AC-FT	17	105	104	71	125	1130	3830	2960	812	541	95	70
MAX	1.0	9.1	2.0	2.0	4.4	56	108	96	38	28	4.2	6.0
MIN	0.09	0.38	1.0	0.50	1.0	4.7	36	23	4.0	3.7	0.0	0.28
CAL YR 1991 TOTAL	2102.58	MEAN	5.76	MAX	50	MIN	0.00	AC-FT	4170			
WTR YR 1992 TOTAL	4970.83	MEAN	13.6	MAX	108	MIN	0.00	AC-FT	9860			
MAX DISCH	162 CFS	AT 1345	27-MAY-1992	GH	2.98 FT.	SHIFT	0.00 FT.	MAX GH	2.98 FT.	AT 1345		







## SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO

**LOCATION.**--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., Montezuma County.

**DRAINAGE AREA.**--72.6 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

**REMARKS.**--Estimated daily discharge: Nov. 20-21, 25, 29-30; Dec. 1-2, 1991 when stage-discharge relationship was affected by ice; Dec. 3, 1991-Mar. 14, 1992 when well was frozen. Records 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-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	6.2	6.0	5.0	6.0	11	69	260	175	17	13	10
2	2.6	6.3	5.0	5.0	6.0	12	51	236	157	12	12	7.8
3	3.2	2.9	5.0	5.0	6.0	13	54	206	159	13	12	6.3
4	6.0	4.9	6.0	6.0	6.0	12	59	158	148	9.4	10	7.2
5	7.8	6.4	7.0	6.0	6.0	13	59	127	198	7.8	8.8	5.5
6	7.6	5.0	7.0	6.0	7.0	13	59	141	198	7.1	11	4.7
7	5.0	4.8	7.0	6.0	7.0	14	63	170	155	6.7	10	3.6
8	3.2	3.9	7.0	6.0	8.0	16	66	200	170	8.7	8.5	1.6
9	3.5	4.2	7.0	5.0	8.0	16	71	402	110	10	6.5	1.1
10	5.4	4.9	7.0	4.0	8.0	18	77	383	94	13	5.6	1.8
11	6.7	5.0	8.0	4.0	8.0	18	80	200	100	22	5.8	1.4
12	9.4	4.1	7.5	5.0	8.0	18	87	168	100	39	7.5	1.5
13	11	2.3	7.0	5.0	9.0	18	95	166	102	44	8.1	1.00
14	12	6.7	6.0	5.0	9.0	18	118	177	90	19	5.7	0.94
15	12	11	6.0	4.0	9.0	18	95	177	76	12	4.8	4.7
16	12	7.7	6.0	5.0	9.0	25	79	173	61	11	5.2	6.9
17	11	9.1	7.0	5.0	9.0	23	72	165	44	5.5	3.9	6.1
18	10	8.6	8.0	5.0	8.0	18	77	156	44	2.5	2.9	4.8
19	9.6	6.8	9.0	5.0	9.0	16	64	146	53	2.3	2.4	77
20	8.8	7.0	8.0	5.0	9.0	17	56	291	55	3.4	2.4	63
21	8.2	8.0	7.0	5.0	10	17	57	429	48	11	1.6	39
22	7.0	10	7.0	5.0	10	20	62	300	39	13	1.4	25
23	6.7	9.4	6.0	5.0	10	20	61	231	33	15	3.0	17
24	8.2	7.4	6.0	5.0	10	21	69	360	19	17	18	14
25	8.2	8.0	6.0	5.0	10	26	80	314	27	22	19	11
26	7.9	9.4	6.0	5.0	10	32	84	367	19	16	22	9.0
27	8.2	8.4	5.0	5.0	10	38	128	479	15	12	15	7.6
28	8.2	6.8	5.0	6.0	11	50	215	373	13	11	13	6.2
29	3.5	6.5	6.0	6.0	11	42	273	307	14	11	11	8.1
30	5.7	5.0	5.0	6.0	---	49	295	247	12	11	11	9.2
31	5.6	---	5.0	6.0	---	68	---	201	---	12	11	---
TOTAL	227.3	196.7	200.5	161.0	247.0	710	2775	7710	2528	416.4	272.1	363.04
MEAN	7.33	6.56	6.47	5.19	8.52	22.9	92.5	249	84.3	13.4	8.78	12.1
AC-FT	451	390	398	319	490	1410	5500	15290	5010	826	540	720
MAX	12	11	9.0	6.0	11	68	295	479	198	44	22	77
MIN	2.6	2.3	5.0	4.0	6.0	11	51	127	12	2.3	1.4	0.94

CAL YR 1991 TOTAL 6332.0 MEAN 17.3 MAX 179 MIN 1.4 AC-FT 12560  
WTR YR 1992 TOTAL 15807.04 MEAN 43.2 MAX 479 MIN 0.94 AC-FT 31350

MAX DISCH 682 CFS AT 2045 09-MAY-1992 GH 2.98 FT. SHIFT -0.10 FT. MAX GH 2.98 FT. AT 2045  
09-MAY-1992

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1992 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 "H92." A list of the eight character codes follows. For example, the values for "Eureka Ditch" are in the file "EURDITCO.H92."

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, 1991 is day number 1. September 30, 1992 is day 365.

Station Identification Codes  
for Data on Diskette

DIV I

CODE	NAME
ADATUNCO	ALVA B. ADAMS TUNNEL AT EAST PORTAL, NEAR ESTES PARK
APGTUNCO	AUGUST P. GUMBLICK TUNNEL NEAR JONES PASS, CO.
BCRMORCO	BEAR CREEK AT MORRISON, COLORADO
BCRSHECO	BEAR CREEK AT SHERIDAN, COLORADO
BEAVERCO	BEAVER CREEK ABOVE BEAVER RESERVOIR
BERDITCO	BERTHOUD PASS DITCH AT BERTHOUD PASS, CO
BIGLASCO	BIG THOMPSON AT MOUTH, NEAR LA SALLE, CO, WELD COUNT
BOCBGRCO	SOUTH BOULDER CREEK BELOW GROSS RESERVOIR, BOULDER C
BOCELSCO	SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, COLORADO
BOCMIDCO	MIDDLE BOULDER CREEK AT NEDERLAND, CO.
BORDITCO	BOREAS PASS DITCH AT BOREAS PASS, CO
BFCLYOCO	BOULDER CREEK FEEDER CANAL NEAR LYONS, CO
BOCOROCO	BOULDER CREEK NEAR ORODELL, CO, BOULDER COUNTY
BCSCBCCO	BOULDER CK. SUPPLY CANAL TO BOULDER CK. NEAR BOULDER
BFCLHCCO	BOULDER FEEDER CANAL TO LEFTHAND CREEK
BOSDELCO	BOULDER CREEK, SOUTH DIVERSION NR ELDORADO SPRINGS,
BTABESCO	BIG THOMPSON RIVER ABOVE LAKE ESTES
BTBLESCO	BIG THOMPSON RIVER BELOW LAKE ESTES
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.
CLAFTCCO	CACHE LA POUDE AT CANYON MOUTH, NEAR FORT COLLINS
CLAGRECO	CACHE LA POUDE NEAR GREELEY, COLORADO, WELD COUNTY
CLEDERCO	CLEAR CREEK AT DERBY, COLORADO
DEADDPCCO	DEADMAN DITCH NEAR DEADMAN PARK, CO.
DILTUNCO	DILLE TUNNEL NEAR DRAKE, CO.
DRYCRKCO	DRY CREEK TURNOUT NEAR NIWOT, CO
EURDITCO	EUREKA DITCH
FISHESCO	FISH CREEK NEAR ESTES PARK, CO.
GRNDRDCO	GRAND RIVER DITCH AT LA 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
HFCCRCO	HANSEN FDR CAN AT T.O. TO COTTONWOOD CR. NR NIWOT, CO
HSCCLPCO	HANSEN SUP CAN TO CACHE LA POUDE R. NR FT. COLLINS
HSCPVDCCO	HANSEN SUP CAN TO POUDE VAL. CAN NR. FT. COLLINS, CO
HSPTUNCO	HOOSIER PASS TUNNEL AT MONTGOMERY RES., NEAR ALMA, C
LAPTUNCO	LARAMIE POUDE TUNNEL
LEFTHDCO	LEFTHAND DIVERSION AT ST. VRAIN CREEK NR WARD, CO
MICDCPCO	MICHIGAN DITCH AT CAMERON PASS, CO.
MOFTUNCO	MOFFAT WATER TUNNEL, GILPIN COUNTY, COLORADO
MUNCANCO	MUNROE CANAL
OLYTUNCO	OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES
PIOHDGCO	PIONEER DITCH AT HEADGATE
PIOSTLCO	PIONEER DITCH AT CO/NE STATE LINE
PLAANTCO	SOUTH PLATTE RIVE BELOW ANTERO RESERVOIR
PLABALCO	SOUTH PLATTE RIVER AT COOPER BRIDGE, NEAR BALZAC, CO
PLACHACO	SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR
PLACHECO	SO. PLATTE RIVER BL. CHEESMAN RESERVOIR, COLORADO
PLADENCO	SO. PLATTE RIVER AT DENVER, COLORADO
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.
SPSCFLCO	SO. PLATTE SUPPLY CANAL BE SAND LAKE NE FT. LUPTON, C
SSVWARCO	SOUTH ST. VRAIN NEAR WARD, CO
SVCLYOCO	SAINT VRAIN CREEK AT LYONS, BOULDER COUNTY, COLORADO
SVCPLACO	ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE, CO
SVSLYOCO	ST. VRAIN SUPPLY CANAL NEAR LYONS, CO
SVSLT1CO	ST. VRAIN SUPPLY CANAL T.O. TO L. THOMPSON RIVER NO.1
SVSLT2CO	ST. VRAIN SUPPLY CANAL T.O. TO L. THOMPSON RIVER NO.2
SVSHERCO	ST. VRAIN SUPPLY CANAL TO HERTHA CREEK
VIDTUNCO	VIDLER TUNNEL NEAR ARGENTINE PASS, CO
WSDEARCO	WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO.

## DIV II

CODE	NAME
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ARKCACCO	ARKANSAS RIVER AND CATLIN CANAL COMBINED
ARKCANCO	ARKANSAS RIVER AT CANYON CITY, CO.
ARKCATCO	ARKANSAS RIVER AT CATLIN DAM NEAR FOWLER, CO.
ARKGRNCO	ARKANSAS RIVER AT GRANITE, CO.
ARKLAJCO	ARKANSAS RIVER AT LA JUNTA, CO.
ARKNEPCO	ARKANSAS RIVER NEAR NEPESTA, CO.
ARKPORCO	ARKANSAS RIVER AT PORTLAND, CO.
ARKPUECO	ARKANSAS RIVER ABOVE PUEBLO, CO.
ARKSALCO	ARKANSAS RIVER AT SALIDA, CO.
ARKWELCO	ARKANSAS RIVER NEAR WELLSVILLE, CO.
BOUTUNCO	CHARLES H. BOUSTEAD TUNNEL, COLORADO
BUSTUNCO	BUSK-IVANHOE TUNNEL, COLORADO
CATCANCO	CATLIN CANAL AT CATLIN DAM, NEAR FOWLER, COLORADO
CCACCRCO	CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO.
CHCRNACO	CHALK CREEK AT NATHROP, CO
COLDITCO	COLUMBINE DITCH, COLORADO
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
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ALABELCO	ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO.
ALATERCO	ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO CONEJOS CTY
CARLAGCO	CARNERO CREEK NEAR LA GARITA, CO.
CBPALACO	CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO
CONLASCO	COMBINED CONEJOS RIVER (NORLASCO SOULASCO)
CONMOGCO	CONEJOS RIVER NEAR MOGOTE, CO.
CONPLACO	CONEJOS RIVER BELOW PLATORO RESERVOIR, CO CONEJOS CO
CULSANCO	CULEBRA CREEK AT SAN LUIS, CO.
DLFCMBCO	DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO.
DLFDT1CO	DON LA FONT DITCH NO. 1 AT PIEDRA PASS, CO
DLFDT2CO	DON LA FONT DITCH NO. 2 AT PIEDRA PASS, CO
GOOWAGCO	GOOSE CREEK AT WAGONWHEEL GAP, CO.
LAGLAGCO	LA GARITA CREEK NEAR LA GARITA, CO.
LAJCAPCO	LAJARA CREEK AT GALLEGOS RANCH NEAR CAPULIN, CO.
LOSORTCO	LOS PINOS RIVER NEAR ORTIZ, CO.

NCLCONCO NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO  
 NOCRESCO CRESTONE CREEK, NORTH NEAR CRESTONE, CO.  
 NORDLSCO NORTON DRAIN NEAR LA SAUSES, CO.  
 NORDSSCO SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO  
 NORLASCO NORTH CHANNEL CONEJOS RIVER NEAR LASAUSES, CO.  
 PINDELCO PINOS CREEK NEAR DEL NORTE, CO  
 PRWDITCO PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, C  
 RIOALACO RIO GRANDE RIVER AT ALAMOSA, COLORADO  
 RIODELCO RIO GRANDE NEAR DEL NORTE, CO.  
 RIOLOBCO RIO GRANDE NEAR LOBATOS, CO.  
 RIOMILCO RIO GRANDE AT THIRTY MILE BRIDGE  
 RIOMONCO RIO GRANDE AT MONTE VISTA, CO  
 RIOSFKCO SOUTH FORK RIO GRANDE RIVER AT SOUTH FORK  
 RIOTRICO RIO GRANDE RIVER ABOVE THE MOUTH OF TRINCHERA CREEK  
 SAGSAGCO SAGUACHE CREEK NEAR SAGUACHE, CO.  
 SANFTGCO SANGRE DE CRISTO CREEK NEAR FT. GARLAND, CO.  
 SANMANCO SAN ANTONIO RIVER NEAR MANASSA, CO  
 SANORTCO SAN ANTONIO RIVER AT ORTIZ, CO.  
 SOULASCO SOUTH CHANNEL CONEJOS RIVER NEAR LASAUSES, CO.  
 TABDITCO TABOR DITCH AT SPRING CREEK PASS, CO  
 TARBELCO TARBELL DITCH NEAR COCHETOPA PASS, CO  
 TREDITCO TREASURE PASS DITCH AT WOLF CREEK PASS, CO  
 TRIMTNCO TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO.  
 TRISMICO TRINCHERA CREEK BELOW SMITH RESERVOIR, CO  
 TRITURCO TRINCHERA CREEK AB. TURNER'S RANCH CO  
 UTEFTGCO UTE CREEK NEAR FORT GARLAND CO  
 WCSDDITCO WILLIAMS CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO  
 WEMDITCO WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

## DIV IV

CODE	NAME
ABCLATCO	ABC LATERAL
MUDAPRCO	MUDDY CREEK ABOVE PAONIA RESERVOIR, CO - GUNNISON CO
MUDBPRCO	MUDDY CREEK BELOW PAONIA RESERVOIR
RLCGRJCO	REDLANDS CANAL NR GRAND JUNCTION, CO
SOUCANCO	SOUTH CANAL NR MONTROSE, CO - MONTROSE COUNTY

## DIV V

CODE	NAME
CHAGULCO	CHAPMAN GULCH NEAR NAST, CO.
FRYIVLCO	FRYINGPAN RIVER NEAR IVANHOE LAKE, CO.
FRYMERCO	FRYINGPAN RIVER AT MEREDITH, CO.
FRYSFUCO	FRYINGPAN RIVER, SOUTH FORK AT UPPER STATION NEAR NOR
FRYTHOCO	FRYINGPAN RIVER NEAR THOMASVILLE, COLORADO
RFCMERCO	ROCKY FORK CREEK NEAR MEREDITH, CO.
ROABMCCO	ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

## DIV VII

CODE	NAME
ANIHOWCO	ANIMAS RIVER NEAR HOWARDSVILLE, CO.
CHEREDCO	CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO.
DOLBMCCO	DOLOROS 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.