

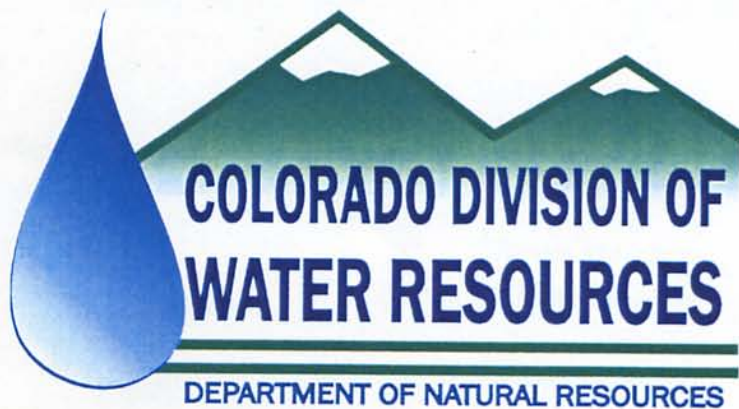
# STREAM FLOW DATA for COLORADO

*Water Year 2001*



Compiled by the Hydrographic Branch Edited by Jim McDanold

Photo credit: Division 3



Governor Bill Owens  
State of Colorado



Executive Director Greg E. Walcher  
Department of Natural Resources

State Engineer Hal D. Simpson  
Division of Water Resources

# STATEWIDE HYDROGRAPHIC STAFF

## DENVER

J.C. McDanold  
David Hutchens  
Dave Dzurovchin  
Jana Riedesel

## ALAMOSA

Craig Cotten  
Scott Veneman  
Stan Ditmars  
Lee Conner

## GREELEY

Robert Cooper  
M. L. Cunning  
Rodger Burcher  
Merlin Friedrichsen  
George Sievers  
Fred Renner  
Brent Schantz

## MONTROSE

Jerry Thrush  
Steven Tuck

## GLENWOOD SPRINGS

George Wear

## PUEBLO

Bill Tyner  
Thomas Ley  
Lou Schultz  
Anthony Gutierrez  
Adam Adame

## STEAMBOAT SPRINGS

Erin Light

## DURANGO

Scott Brinton  
Dave Nelson

## TABLE OF CONTENTS

06694650	SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR .....	1
06694920	SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR, CO.....	2
06695000	SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR, NEAR HARTSEL, CO.....	3
06696000	SOUTH PLATTE RIVER(BELOW ELEVENMILE RESERVOIR) NEAR LAKE GEORGE, CO.....	4
06701500	SOUTH PLATTE RIVER BELOW CHEESMAN LAKE, CO.....	5
06706000	NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK, AT GRANT, CO .....	6
06707500	SOUTH PLATTE RIVER AT SOUTH PLATTE, CO.....	7
06707501	SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR, CO.....	8
06708000	SOUTH PLATTE RIVER AT WATERTON, CO.....	9
06709610	SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR, CO.....	10
06710500	BEAR CREEK AT MORRISON, CO .....	11
06711500	BEAR CREEK AT MOUTH, AT SHERIDAN, CO .....	12
06714000	SOUTH PLATTE RIVER AT DENVER, CO .....	13
	STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL.....	14
06720000	CLEAR CREEK AT DERBY, CO.....	15
06720500	SOUTH PLATTE RIVER AT HENDERSON, CO .....	16
	MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY, CO .....	17
	SOUTH ST. VRAIN CREEK NEAR WARD, CO.....	18
	LEFTHAND DIVERSION AT SO. ST. VRAIN CREEK NEAR WARD, CO .....	19
	BEAVER CREEK ABOVE BEAVER RESERVOIR .....	20
06724000	ST. VRAIN CREEK AT LYONS, CO.....	21
06725500	MIDDLE BOULDER CREEK AT NEDERLAND, CO .....	22
06727000	BOULDER CREEK NEAR ORODELL, CO.....	23
06729450	SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK, CO.....	24
	SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS, CO.....	25
06729500	SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, CO .....	26
06730300	COAL CREEK NEAR PLAINVIEW, CO .....	27
06731000	ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE, CO.....	28
	WIND RIVER NEAR ESTES PARK, CO .....	29
	WIND RIVER BY-PASS NEAR ESTES PARK, CO.....	30
06733000	BIG THOMPSON RIVER(ABOVE LAKE ESTES) AT ESTES PARK, CO.....	31
06734500	FISH CREEK NEAR ESTES PARK, CO .....	32
06735500	BIG THOMPSON RIVER(BELOW LAKE ESTES) NEAR ESTES PARK, CO .....	33
06734900	OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES, CO.....	34
06736000	NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO.....	35
	DILLE TUNNEL (EAST PORTAL) NEAR DRAKE, CO .....	36
06738000	BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE, CO.....	37
	BUCKHORN CREEK NEAR MASONVILLE, CO .....	38
	CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON NEAR DRAKE, CO.....	39
06738100	CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON NEAR DRAKE, CO.....	40
06738100	CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON RIVER .....	41
	BOULDER CREEK FEEDER CANAL NEAR LYONS, CO.....	42
	ST. VRAIN SUPPLY CANAL NEAR LYONS, CO .....	43
	LITTLE THOMPSON RIVER @ CANYON MOUTH NEAR BERTHOUD, CO .....	44
06744000	BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE, CO .....	45
06752000	CACHE LA POUFRE RIVER AT MOUTH OF CANYON, NEAR FORT COLLINS, CO .....	46
06752500	CACHE LA POUFRE RIVER NEAR GREELEY, CO.....	47
06754000	SOUTH PLATTE RIVER NEAR KERSEY, CO.....	48
06758500	SOUTH PLATTE RIVER NEAR WELDONA, CO .....	49
06759910	SOUTH PLATTE RIVER AT BALZAC, CO.....	50
06763990	SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 2 .....	51
06763990	SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 1 .....	52
06763980	SO. PLATTE R. AT JULESBURG, CO. CHANNEL NO 4 (INCLUDES FLOW FROM CHANNEL NO 3).....	53
06764000	SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED).....	54
	TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO .....	55
	AURORA HOMESTAKE PIPELINE ABOVE ELEVENMILE RESERVOIR.....	56
09042000	EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA, CO.....	57
09046000	BOREAS PASS DITCH AT BOREAS PASS, CO .....	58
09050590	HAROLD D. ROBERTS TUNNEL NEAR GRANT, CO .....	59

09047300	VIDLER TUNNEL NEAR ARGENTINE PASS, CO.....	60
09021500	BERTHOUD PASS DITCH AT BERTHOUD PASS, CO.....	61
09022500	EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE, CO.....	62
09013000	ALVA B. ADAMS TUNNEL AT EAST PORTAL.....	63
09010000	GRAND RIVER DITCH AT LA POUUDRE PASS, CO.....	64
06745500	CAMERON PASS DITCH AT CAMERON PASS, CO.....	65
06746000	MICHIGAN DITCH AT CAMERON PASS, CO.....	66
06746500	SKYLINE DITCH NEAR CHAMBERS LAKE, CO.....	67
06747000	LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE, CO.....	68
	BOB CREEK DITCH NEAR GLENDEVEY, CO.....	69
	DEADMAN DITCH NEAR DEADMAN PARK, CO.....	70
06750500	WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO.....	71
	PIONEER DITCH AT HEADGATE NEAR LAIRD, CO.....	72
	PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE.....	73
	LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO.....	74
07084500	LAKE CREEK ABOVE TWIN LAKES RESERVOIR, CO.....	75
	LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO.....	76
07086000	ARKANSAS RIVER AT GRANITE, CO.....	77
07086500	CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO.....	78
	CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO.....	79
07089250	COTTONWOOD CREEK AT BUENA VISTA, CO.....	80
07091000	CHALK CREEK AT NATHROP, CO.....	81
07091500	ARKANSAS RIVER AT SALIDA, CO.....	82
07093700	ARKANSAS RIVER NEAR WELLSVILLE, CO.....	83
07095000	GRAPE CREEK NEAR WESTCLIFFE, CO.....	84
07096000	ARKANSAS RIVER AT CANON CITY, CO.....	85
07097000	ARKANSAS RIVER AT PORTLAND, CO.....	86
07099400	ARKANSAS RIVER ABOVE PUEBLO, CO.....	87
07111000	HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING, CO.....	88
07114000	CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA, CO.....	89
	OXFORD FARMERS DITCH NEAR NEPESTA, CO.....	90
07117000	ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA, CO (RIVER ONLY).....	91
07117000	ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA, CO (COMBINED).....	92
07119700	ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER, CO.....	93
07119705	CATLIN CANAL, NEAR FOWLER, CO.....	94
07119700	ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER, CO (COMBINED).....	95
07120500	ARKANSAS RIVER NEAR ROCKY FORD, CO.....	96
07122400	CROOKED ARROYO NEAR SWINK, CO.....	97
07123000	ARKANSAS RIVER AT LA JUNTA, CO.....	98
07123675	HORSE CREEK AT HIGHWAY 194 NR LAS ANIMAS, CO.....	99
07124500	PURGATOIRE RIVER AT TRINIDAD, CO.....	100
07126500	PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, CO (RIVER ONLY).....	101
07126500	NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO.....	102
07126500	PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, CO (COMBINED).....	103
07134125	ARKANSAS RIVER BELOW X-Y DITCH DAM NR CARLTON, CO.....	104
09061500	COLUMBINE DITCH NEAR FREEMONT PASS, CO.....	105
09062000	EWING DITCH AT TENNESSEE PASS, CO.....	106
09062500	WURTZ DITCH NEAR TENNESSEE PASS, CO.....	107
	WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS.....	108
09063700	HOMESTAKE TUNNEL NEAR GOLD PARK, CO.....	109
09073000	TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO.....	110
09077160	BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE, CO.....	111
09077500	BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA, CO.....	112
09115000	LARKSPUR DITCH NEAR MARSHALL PASS, CO.....	113
08213500	RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE, CO.....	114
08214500	NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO.....	115
08217500	RIO GRANDE RIVER AT WAGONWHEEL GAP, CO.....	116
08218500	GOOSE CREEK AT WAGONWHEEL GAP, CO.....	117
08219500	SOUTH FORK RIO GRANDE AT SOUTH FORK, CO.....	118
08220000	RIO GRANDE RIVER NEAR DEL NORTE, CO.....	119
08220500	PINOS CREEK NEAR DEL NORTE, CO.....	120
08221500	RIO GRANDE NEAR MONTE VISTA, CO.....	121

	RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO.....	122
08223000	RIO GRANDE AT ALAMOSA, CO.....	123
	CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO.....	124
08224500	KERBER CREEK NEAR VILLA GROVE, CO.....	125
	GARNER CREEK NEAR VILLA GROVE, CO.....	126
	MAJOR CREEK NEAR VILLA GROVE, CO.....	127
	COTTON CREEK NEAR MINERAL HOT SPRINGS, CO.....	128
	WILD CHERRY CREEK NEAR CRESTONE, CO.....	129
	RITO ALTO CREEK NEAR CRESTONE, CO.....	130
	SAN ISABEL CREEK NEAR CRESTONE, CO.....	131
08227000	SAGUACHE CREEK NEAR SAGUACHE, CO.....	132
08227500	NORTH CRESTONE CREEK NEAR CRESTONE, CO.....	133
	SOUTH CRESTONE CREEK NEAR CRESTONE, CO.....	134
	WILLOW CREEK NEAR CRESTONE, CO.....	135
	SPANISH CREEK NEAR CRESTONE, CO.....	136
	COTTONWOOD CREEK NEAR CRESTONE, CO.....	137
	DEADMAN CREEK NEAR CRESTONE, CO.....	138
	BIG SPRING CREEK AT MEDANO RANCH NEAR GREAT SAND DUNES NATIONAL MONUMENT.....	140
08230500	CARNERO CREEK NEAR LA GARITA, CO.....	141
08231000	LA GARITA CREEK NEAR LA GARITA, CO.....	142
08236000	ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO.....	143
08236500	ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO.....	144
08238000	LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO.....	145
	SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO.....	146
	NORTON DRAIN NEAR LA SAUSES, CO.....	147
08240000	RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK, NEAR LASAUSES, CO.....	148
08240500	TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO.....	149
08241000	TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO.....	150
08241500	SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO.....	151
08242500	UTE CREEK NEAR FORT GARLAND, CO.....	152
08243500	TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO.....	153
08245000	CONEJOS RIVER BELOW PLATORO RESERVOIR, CO.....	154
08246500	CONEJOS RIVER NEAR MOGOTE, CO.....	155
08247500	SAN ANTONIO RIVER AT ORTIZ, CO.....	156
08248000	LOS PINOS RIVER NEAR ORTIZ, CO.....	157
08248500	SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO.....	158
08249000	CONEJOS RIVER NEAR LASAUSES, MAIN (NORTH) CHANNEL, CO.....	159
08249000	CONEJOS RIVER NEAR LASAUSES, SECONDARY (SOUTH) CHANNEL, CO.....	160
08249000	CONEJOS RIVER NEAR LASAUSES, CO (COMBINED).....	161
08250000	CULEBRA CREEK AT SAN LUIS, CO.....	162
08251500	RIO GRANDE NEAR LOBATOS, CO.....	163
09118200	TARBELL DITCH NEAR COCHETOPA PASS, CO.....	164
09121000	TABOR DITCH AT SPRING CREEK PASS, CO.....	165
09341000	TREASURE PASS DITCH AT WOLF CREEK PASS, CO.....	166
09347000	DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO.....	167
09347000	DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO.....	168
09347000	DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO.....	169
09348000	WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO.....	170
09351500	PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO.....	171
09351500	WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO.....	172
09131490	MUDDY CREEK ABOVE PAONIA RESERVOIR.....	173
09131500	MUDDY CREEK BELOW PAONIA RESERVOIR.....	174
	ABC LATERAL NEAR MONTROSE, CO.....	175
	SOUTH CANAL NEAR MONTROSE, CO.....	176
	REDLANDS CANAL NEAR GRAND JUNCTION, CO.....	177
	UNCOMPAGRE RIVER NEAR OLATHE, CO.....	178
	BLUE RIVER AT HIGHWAY 9 BRIDGE BELOW BRECKENRIDGE, CO.....	179
09078500	NORTH FORK FRYING PAN RIVER NEAR NORRIE (WY 1998), CO.....	180
09078500	NORTH FORK FRYING PAN RIVER NEAR NORRIE, (WY 1999), CO.....	181
	ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO.....	182
09080300	ROCKY FORK CREEK NEAR MEREDITH, (WY 2000), CO.....	183
09080300	ROCKY FORK CREEK NEAR MEREDITH, CO.....	184

09238500	WALTON CREEK NEAR STEAMBOAT SPRINGS, CO.....	185
	DOLORS TUNNEL OUTLET NEAR DOLORS, CO.....	186
	LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORS, CO.....	187
	DOLORS RIVER BELOW MCPHEE RESERVOIR NEAR DOLORS, CO.....	188
	BLANCO DIVERSION NEAR PAGOSA SPRINGS, CO.....	189
09343300	RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS, CO.....	190
	RIO BLANCO AT MOUTH NEAR TRUJILLO, CO.....	191
09344000	NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO, CO.....	192
	OSO DIVERSION NEAR CHROMO, CO.....	193
09344400	NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO, CO.....	194
	LITTLE OSO DIVERSION NEAR CHROMO, CO.....	195
09345200	LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO, CO.....	196
	FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO.....	197
	FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO.....	198
09357500	ANIMAS RIVER AT HOWARDSVILLE, CO.....	199
	LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO.....	200
	PINE RIDGE DITCH NEAR HESPERUS, CO.....	201
09365500	LA PLATA RIVER AT HESPERUS, CO.....	202
	CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO.....	203
	LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO.....	204
	PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE.....	205
	ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE.....	206
09366500	LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE.....	207
09370000	MANCOS RIVER NEAR MANCOS, CO.....	208

PLATTE RIVER BASIN

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR

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

DRAINAGE AREA.--N/A

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

REMARKS.--Primary record is hourly data taken from satellite readings with chart back up. DCP data usually agrees with chart data to within ±0.02 foot, but chart frequently shows corrections when changed. The record is good. Colorado Division of Wildlife has completed the by-pass. The Cipolletti weir at the outlet stilling basin cannot be verified for accuracy due extreme approach velocity problems. The problems are to be remedied by the Denver Water Board early in the year 2002. Record developed and satellite monitoring maintained by Rodger Burcher.

RATING TABLE.--STD12FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

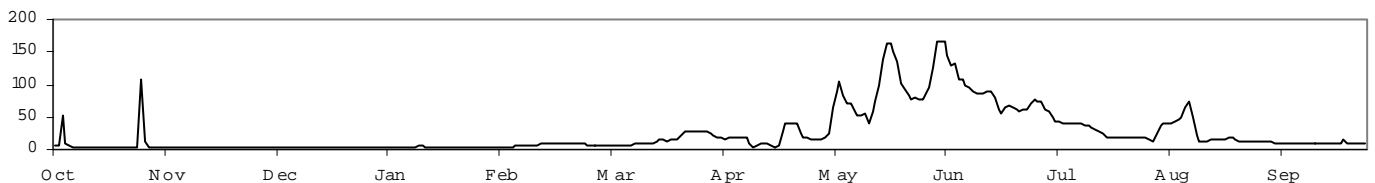
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	3.2	3.3	3.4	3.6	6.8	24	16	95	75	14	13
2	4.7	3.3	3.8	3.6	3.6	6.8	21	16	126	75	12	12
3	52	3.2	3.8	3.6	3.6	6.8	20	19	165	63	25	11
4	8.3	3.3	3.8	3.4	4	6.8	17	24	165	58	36	11
5	4.8	3.2	3.8	3.3	4.2	6.8	15	66	165	48	39	9.7
6	4.6	3	3.8	3.3	5.6	6.8	17	88	145	43	39	8.7
7	3.9	3	3.8	3.3	5.4	6.5	18	106	130	42	39	8.7
8	3.8	3	3.8	3.3	5.6	6.4	18	83	132	41	44	8.7
9	3.7	3	3.8	4.1	5.4	6.4	18	70	108	39	46	8.7
10	3.6	3	3.9	5.4	5.4	6.4	18	71	107	40	48	8.7
11	3.6	3	3.9	4.7	5.4	8.1	18	58	100	40	66	8.7
12	3.6	2.9	3.8	3.7	6.2	9.3	9.3	51	94	40	73	8.7
13	3.4	2.7	3.8	3.8	7.9	9.3	3.9	52	88	39	49	8.7
14	3.1	2.9	3.8	3.7	8.5	9.2	5.3	54	86	37	21	8.7
15	2.8	3	3.9	3.6	8.3	9.1	8.7	40	86	38	12	8.7
16	2.6	3	4	3.6	8.3	9.6	8.7	59	87	34	11	8.7
17	2.5	3	3.8	3.6	8.4	11	8.9	73	88	31	11	8.7
18	2.5	3	4	3.4	8.4	14	6.5	99	89	28	14	8.7
19	2.7	2.9	4.2	3.3	8.4	14	3.4	137	81	25	15	8.7
20	2.9	3.1	4.4	3.3	8.5	13	6.5	164	62	19	16	8.7
21	3	3	3.9	3.3	8.6	14	29	163	56	17	16	8.7
22	3	3	3.7	3.3	8.6	15	41	151	64	17	16	8.7
23	3.2	3	4.1	3.3	8.4	15	41	134	68	17	17	8.7
24	3.3	3	4.5	3.2	8.3	23	41	102	64	18	17	14
25	108	3	4.5	3.6	7.7	28	41	92	61	18	15	9.5
26	11	2.8	4.2	3.5	6.8	28	26	84	60	18	13	9.5
27	4.1	2.8	4.3	3.5	6.8	28	19	78	61	18	13	9.5
28	3.5	2.9	4.5	3.4	6.8	27	17	79	63	18	13	9.5
29	3.3	3	4.1	3.4	---	27	16	77	72	18	13	8.2
30	3.3	2.7	3.4	3.3	---	27	16	77	76	18	13	7.9
31	3.3	---	3.4	3.4	---	27	---	88	---	18	13	---
TOTAL	272.9	89.9	121.8	110.6	186.7	432.1	552.2	2471	2844	1050	789	281.4
MEAN	8.8	3	3.9	3.6	6.7	13.9	18.4	80	95	34	26	9.4
AC-FT	541	178	242	219	370	857	1100	4900	5640	2080	1560	558
MAX	108	3.3	4.5	5.4	8.6	28	41	164	165	75	73	14
MIN	2.5	2.7	3.3	3.2	3.6	6.4	3.4	16	56	17	11	7.9

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 9201.6 MEAN 25.2 MAX 165 MIN 2.5 AC-FT 18250

MAX DISCH: 349 CFS AT 16:00 ON Oct. 25, 2000 GH 3.49 FT. SHIFT 0.02 FT.  
MAX GH: 3.49 FT. AT 16:00 ON Oct. 25, 2000

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



## PLATTE RIVER BASIN

06694920 SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is taken from hourly satellite readings and is complete except for November 6, 2000 to April 9, 2001, when the station was closed for the winter. Satellite daily gage heights agree with chart data to  $\pm 0.02$  ft. Encoder calibration was checked with 52 visits while the gage was open. The record is good, except for November 6 - April 9 which is estimated. Record developed by Rodger Burcher.

RATING TABLE.--PLASPICO01 USED FROM 01-OCT-2000 TO 08-OCT-2001

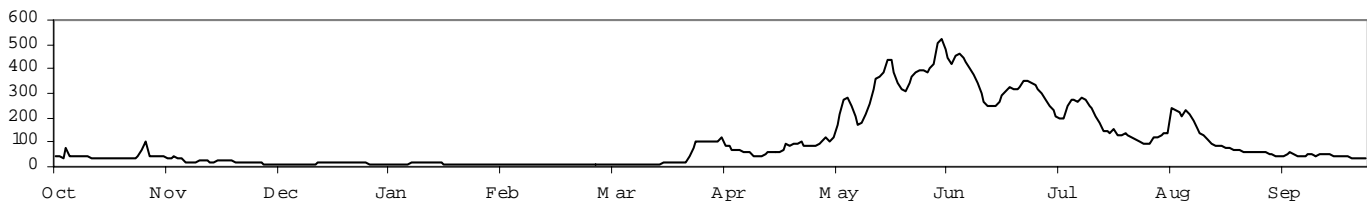
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	35	10	10	10	10	100	91	401	321	97	64
2	40	33	10	10	10	10	100	100	423	298	121	57
3	38	40	10	10	10	10	100	116	505	272	118	53
4	78	36	10	10	10	10	120	106	521	249	130	48
5	44	38	10	10	10	10	90	123	483	234	136	46
6	41	20	10	10	10	10	90	173	443	210	138	43
7	40	20	10	10	10	10	70	212	421	201	242	42
8	40	20	10	15	10	10	70	276	455	195	231	52
9	41	20	10	15	10	10	65	284	467	252	224	59
10	40	25	10	15	10	10	64	252	450	274	206	53
11	38	25	10	15	10	10	62	202	429	271	228	47
12	38	25	10	15	10	10	60	173	401	265	212	42
13	36	20	15	15	10	10	42	184	376	281	190	40
14	35	20	15	15	10	10	44	213	345	272	157	53
15	37	25	15	15	10	10	45	261	299	250	139	52
16	37	30	15	15	10	10	50	321	262	237	130	47
17	36	30	15	10	10	10	57	361	246	210	108	48
18	35	30	15	10	10	10	63	371	249	180	92	52
19	34	30	15	10	10	15	63	390	252	149	86	52
20	35	15	15	10	10	15	64	434	270	142	82	48
21	34	15	15	10	10	15	67	437	289	134	88	44
22	34	15	15	10	10	15	96	387	312	152	80	42
23	36	15	15	10	10	15	89	341	327	129	75	39
24	47	15	15	10	10	15	96	317	318	130	69	40
25	68	15	15	10	10	15	98	310	314	136	69	44
26	104	15	15	10	10	45	100	341	326	127	68	38
27	45	15	10	10	10	81	86	367	351	121	59	36
28	43	10	10	10	10	100	88	389	353	115	56	35
29	45	10	10	10	---	100	90	395	339	103	59	35
30	41	10	10	10	---	100	90	394	337	95	57	35
31	39	---	10	10	---	100	---	388	---	96	61	---
TOTAL	1341	672	380	355	280	811	2319	8709	10964	6101	3808	1386
MEAN	43	22	12	12	10	26	77	281	365	197	123	46
AC-FT	2660	1330	754	704	555	1610	4600	17270	21750	12100	7550	2750
MAX	104	40	15	15	10	100	120	437	521	321	242	64
MIN	34	10	10	10	10	10	42	91	246	95	56	35

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	37126	MEAN	102	MAX	521	MIN	10	AC-FT	73640

MAX DISCH: 532 CFS AT 00:00 ON Jun. 4, 2001 GH 2.92 FT. SHIFT 0.02 FT.  
MAX GH: 2.92 FT. AT 00:00 ON Jun. 4, 2001

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





## PLATTE RIVER BASIN

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

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--880 mi<sup>2</sup>; 1933 to present.

**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.**--Primary record is hourly data taken from satellite readings, with chart back-up. Record is complete and reliable except for March 26-27, when both DCP and chart were inoperative. Spinney Reservoir is 2 miles upstream. Spinney release keeps this gage open year round. Chart gage heights were used December 12-26, 2000; January 24-26; June 24; July 8 and 18, 2001, when problems with the shaft encoder were experienced. The record is good except for March 26-27, which were estimated. Record is developed by Rodger Burcher.

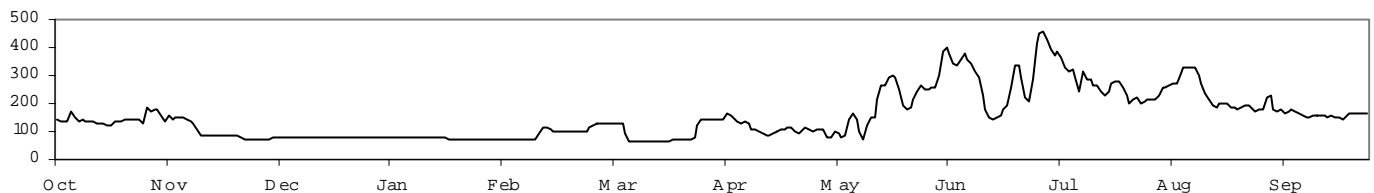
**RATING TABLE.**--STD25FTPF USED FROM 01-OCT-2000 TO 08-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	158	76	76	68	130	146	106	257	451	213	181
2	139	140	76	76	68	130	146	107	260	454	217	220
3	134	148	76	76	68	130	146	77	298	425	229	229
4	134	150	76	78	68	130	146	80	386	390	259	181
5	168	147	76	80	68	130	162	102	403	372	260	170
6	149	144	77	80	68	130	157	95	378	383	263	179
7	137	138	77	80	69	130	152	75	340	364	273	164
8	141	130	77	80	69	95	137	87	338	328	273	170
9	134	104	77	80	68	67	132	142	359	317	306	178
10	134	84	77	80	68	66	138	161	375	318	330	172
11	134	84	77	80	68	67	126	146	357	293	329	164
12	131	83	77	80	94	66	109	102	342	242	329	160
13	129	84	77	80	117	66	108	71	314	316	329	148
14	127	86	77	80	117	66	98	118	293	288	302	153
15	124	85	77	80	106	66	93	147	230	286	269	158
16	123	84	77	80	98	66	86	148	176	267	236	159
17	136	86	77	79	99	67	84	214	149	267	217	158
18	139	86	77	74	99	66	95	265	142	242	194	155
19	138	84	77	69	99	66	101	267	150	228	189	149
20	140	84	77	69	98	67	106	291	157	243	197	158
21	140	78	77	69	98	68	109	298	178	269	197	150
22	141	73	77	69	98	70	113	290	194	278	197	150
23	141	73	75	69	98	68	112	247	255	278	187	146
24	141	73	76	69	98	68	100	192	335	258	185	153
25	126	73	76	70	98	68	90	176	338	227	180	163
26	188	73	76	70	114	68	105	186	290	203	186	165
27	170	73	76	70	124	81	117	212	221	212	194	162
28	181	73	76	70	130	123	104	241	207	224	194	161
29	176	74	76	69	---	145	102	263	286	202	177	162
30	156	75	76	68	---	146	107	252	411	208	174	165
31	136	---	76	68	---	146	---	249	---	214	182	---
TOTAL	4428	2927	2372	2318	2535	2852	3527	5407	8419	9047	7267	4983
MEAN	143	98	77	75	91	92	118	174	281	292	234	166
AC-FT	8780	5810	4700	4600	5030	5660	7000	10720	16700	17940	14410	9880
MAX	188	158	77	80	130	146	162	298	411	454	330	229
MIN	123	73	75	68	68	66	84	71	142	202	174	146
CAL YR 2000	TOTAL		0	MEAN		0	MAX		0	MIN		0
WTR YR 2001	TOTAL		56082	MEAN		154	MAX		454	MIN		66
									AC-FT			111200

MAX DISCH: 484 CFS AT 11:30 ON Jun. 4, 2001 GH 2.78 FT. SHIFT -0.01 FT.  
MAX GH: 2.78 FT. AT 11:30 ON Jun. 4, 2001

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



## PLATTE RIVER BASIN

06696000 SOUTH PLATTE RIVER(below Elevenmile Reservoir) NEAR LAKE GEORGE, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--963 mi<sup>2</sup>. October 1929 to current year. Monthly data only for some periods.

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

**REMARKS.**--Record is taken from hourly satellite data and is complete and reliable. The record is good. Record developed by Rodger Burcher.

**RATING TABLE.**--STD15FTPF USED FROM 01-OCT-2000 TO 08-OCT-2001

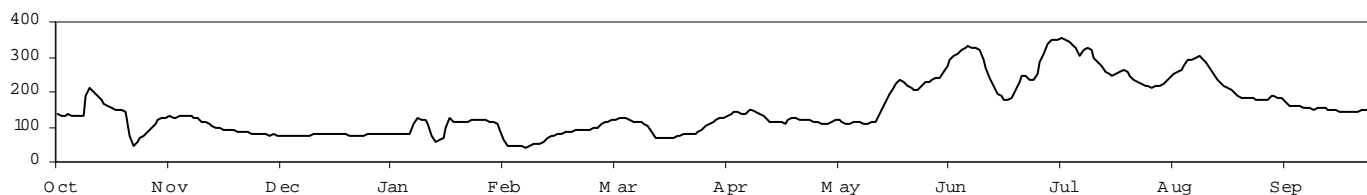
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	132	76	78	90	110	114	111	236	283	212	178
2	130	124	76	78	62	113	119	106	239	311	218	179
3	134	127	76	78	46	116	123	110	241	339	219	188
4	136	129	76	78	44	118	126	113	256	351	225	188
5	132	133	77	79	45	120	129	121	275	351	231	181
6	134	129	76	79	47	123	137	118	292	351	238	182
7	130	129	75	79	44	124	141	112	304	354	251	171
8	131	128	76	106	40	127	143	106	311	346	257	162
9	186	126	77	125	45	122	138	107	318	343	264	160
10	211	117	77	119	49	116	136	113	325	334	274	160
11	199	112	82	120	51	114	149	115	331	328	289	158
12	188	110	81	110	53	112	147	116	327	304	294	155
13	176	103	81	74	58	106	142	111	324	318	297	152
14	167	99	80	59	66	101	136	107	320	328	302	153
15	160	98	81	62	73	88	130	113	294	318	296	151
16	155	92	79	66	77	69	121	116	267	297	284	152
17	150	89	80	100	80	70	116	124	242	284	268	152
18	148	90	78	123	82	71	113	147	216	274	254	152
19	146	89	78	117	85	71	113	169	195	259	236	148
20	144	86	78	115	87	71	114	193	186	249	226	147
21	73	85	76	116	88	71	109	212	176	248	216	146
22	44	84	76	115	90	72	122	224	178	253	211	145
23	55	83	76	117	91	76	126	232	185	255	204	142
24	68	82	76	119	92	82	123	227	204	262	196	141
25	76	81	77	121	93	82	120	215	227	255	191	142
26	87	80	78	119	93	81	118	210	247	247	185	144
27	97	79	78	121	98	82	118	205	245	234	184	145
28	111	80	78	118	100	84	119	207	236	228	183	146
29	122	77	78	117	---	91	116	219	232	222	181	146
30	127	78	78	113	---	101	113	227	251	215	175	150
31	128	---	78	110	---	108	---	231	---	215	176	---
TOTAL	4080	3051	2409	3131	1969	2992	3771	4837	7680	8956	7237	4716
MEAN	132	102	78	101	70	97	126	156	256	289	233	157
AC-FT	8090	6050	4780	6210	3910	5930	7480	9590	15230	17760	14350	9350
MAX	211	133	82	125	100	127	149	232	331	354	302	188
MIN	44	77	75	59	40	69	109	106	176	215	175	141

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	54829	MEAN	150	MAX	354	MIN	40	AC-FT	108800

MAX DISCH: 364 CFS AT 23:30 ON Jul. 8, 2001 GH 3.11 FT. SHIFT 0.05 FT.  
MAX GH: 3.11 FT. AT 23:30 ON Jul. 8, 2001

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



## PLATTE RIVER BASIN

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--1,752 mi<sup>2</sup>. Oct.1, 1924-May13, 1956 at site 370 feet upstream and 0.50 ft. higher. May 14, 1956 to present at current site. Unreliable record from 1909 to 1924 unpublished.

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

**REMARKS.**--The primary record is hourly data taken from satellite monitoring with chart back up. Satellite data agreed with the recorder data within ±0.02 foot. The record is reliable and complete. Mean daily values were used from November 9 to January 11 to allow better agreement between the satellite and chart records. The record is good. Record developed by Rodger Burcher.

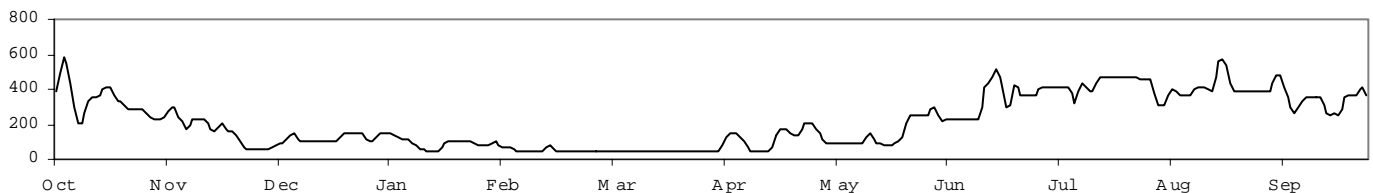
**RATING TABLE.**--PLACHECO11 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	392	278	83	154	76	44	47	152	281	399	459	385
2	492	300	89	154	63	44	47	117	297	417	376	385
3	583	297	89	138	64	45	47	94	256	417	313	385
4	553	244	115	128	64	45	78	94	221	417	313	439
5	438	219	140	119	53	46	129	94	224	417	313	480
6	296	167	144	110	45	47	154	94	225	417	367	478
7	203	197	119	110	45	48	154	94	225	417	405	407
8	204	230	104	92	45	48	154	94	227	417	387	353
9	261	230	104	79	45	48	121	94	228	417	365	297
10	330	230	104	53	45	48	98	92	229	380	366	259
11	349	232	104	54	45	48	72	94	230	319	366	292
12	349	205	104	50	45	48	48	94	230	390	366	337
13	369	172	104	47	45	48	48	95	232	435	396	353
14	395	158	104	48	66	48	48	124	233	409	414	352
15	406	187	104	48	83	48	48	146	295	391	414	352
16	408	205	104	64	70	48	47	118	409	391	414	352
17	363	175	104	89	47	48	47	97	435	434	399	349
18	329	156	104	101	46	48	74	89	470	463	385	306
19	329	156	128	101	45	48	138	76	515	463	467	262
20	307	142	146	101	45	47	172	76	468	463	555	252
21	287	99	146	101	45	47	172	77	411	463	577	267
22	286	63	146	101	47	47	172	91	296	463	533	249
23	287	56	148	101	46	47	152	99	304	463	431	290
24	286	57	148	101	45	47	140	122	421	463	385	352
25	284	60	148	90	45	47	140	201	413	463	385	370
26	265	60	119	81	45	47	169	253	371	463	385	368
27	236	60	98	81	45	47	202	254	370	463	385	368
28	224	60	98	79	44	47	209	254	371	463	386	398
29	223	60	128	78	---	47	209	257	371	459	385	417
30	225	67	152	90	---	47	176	257	371	459	386	363
31	238	---	154	98	---	47	---	257	---	459	385	---
TOTAL	10197	4822	3682	2841	1444	1459	3512	4150	9629	13354	12463	10517
MEAN	329	161	119	92	52	47	117	134	321	431	402	351
AC-FT	20230	9560	7300	5640	2860	2890	6970	8230	19100	26490	24720	20860
MAX	583	300	154	154	83	48	209	257	515	463	577	480
MIN	203	56	83	47	44	44	47	76	221	319	313	249
CAL YR 2000	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC-FT	0	
WTR YR 2001	TOTAL		78070	MEAN	214	MAX	583	MIN	44	AC-FT	154900	

MAX DISCH: 605 CFS AT 09:00 ON Oct. 3, 2000 GH 2.93 FT. SHIFT -0.04 FT.  
MAX GH: 2.93 FT. AT 09:00 ON Oct. 3, 2000

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



## PLATTE RIVER BASIN

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

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--127 mi<sup>2</sup>; 1948 to present.

**GAGE.**--Water-stage recorder with satellite telemetry in a wooden shelter at a concrete control section. Station is owned and maintained by the Denver Water Dept. Satellite telemetry is maintained by the U.S. Army Corps of Engineers and the USGS.

**REMARKS.**--The primary record is hourly data taken from satellite monitoring with chart back up. It is complete. The shaft encoder was accurate to ± 0.01 ft. The record is complete and reliable, except for November 9-12, 2000 when Roberts Tunnel was off and the stage-discharge relationship was affected by ice accumulating on the control. Rapid changes in stage are caused by the regulation of Roberts Tunnel, ½ mile upstream. When Roberts tunnel is operating, the gage is free from ice. The record is good, except for the ice days of November 9-12, 2000 which are estimated. Record developed by Rodger Burcher.

**RATING TABLE.**--PLAGRACO12 USED FROM 01-OCT-2000 TO 30-SEP-2001

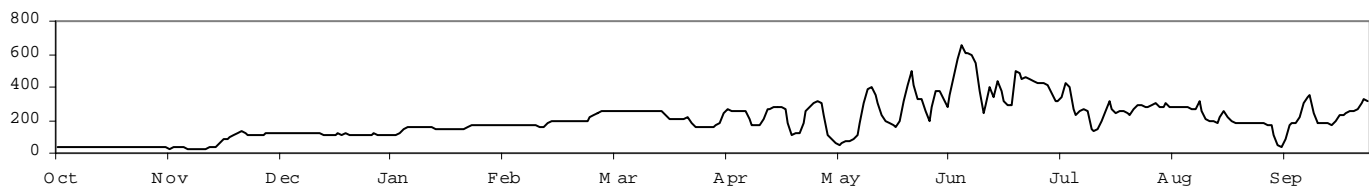
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	30	126	110	169	255	161	300	282	423	288	177
2	39	32	122	110	169	255	164	231	373	420	300	173
3	39	33	122	110	169	255	178	112	372	414	284	172
4	39	31	122	121	170	255	244	89	326	367	278	106
5	39	32	119	146	169	255	264	65	282	318	297	50
6	38	25	116	158	169	255	260	51	352	317	281	42
7	38	23	122	159	169	255	258	61	458	336	276	84
8	37	29	119	159	171	254	256	67	574	426	275	164
9	38	30	122	156	173	255	255	76	652	399	280	177
10	37	28	122	154	171	255	251	84	612	265	278	186
11	37	27	122	154	169	254	201	106	602	233	277	214
12	36	31	117	154	157	255	169	183	600	249	270	297
13	35	34	116	154	160	252	166	299	548	265	267	334
14	34	42	115	149	186	249	166	383	377	252	321	348
15	34	59	115	147	197	249	210	405	241	148	257	243
16	34	79	115	147	197	249	261	356	296	130	212	179
17	34	89	114	147	197	249	266	301	403	147	199	185
18	34	92	116	147	197	249	277	236	344	193	191	179
19	33	107	114	147	197	226	279	188	441	260	187	177
20	34	119	116	147	197	208	276	187	373	319	219	175
21	34	129	114	147	197	209	266	174	317	271	251	199
22	34	119	113	147	197	211	181	155	294	247	214	226
23	34	110	114	158	197	211	111	197	285	252	194	225
24	39	110	113	171	197	212	116	318	497	251	187	248
25	36	110	114	173	197	213	126	412	482	239	187	259
26	34	110	115	173	216	183	186	500	454	231	187	258
27	35	113	114	169	235	157	260	410	460	265	182	265
28	35	119	116	169	245	157	275	331	444	291	181	299
29	34	126	114	169	---	157	298	324	433	285	180	323
30	33	126	112	169	---	157	312	260	430	280	177	318
31	33	---	110	169	---	157	---	198	---	281	178	---
TOTAL	1110	2144	3621	4690	5234	7013	6693	7059	12604	8774	7355	6282
MEAN	36	72	117	151	187	226	223	228	420	283	237	209
AC-FT	2200	4250	7180	9300	10380	13910	13280	14000	25000	17400	14590	12460
MAX	40	129	126	173	245	255	312	500	652	426	321	348
MIN	33	23	110	110	157	157	111	51	241	130	177	42

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 72579 MEAN 199 MAX 652 MIN 23 AC-FT 144000

MAX DISCH: 667 CFS AT 01:00 ON Jun. 9, 2001 GH 1.9 FT. SHIFT 0 FT.  
MAX GH: 1.9 FT. AT 01:00 ON Jun. 9, 2001

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



## 06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--2,579 mi<sup>2</sup>; 1910 to present.

**GAGE.**--Graphic water-stage recorder with satellite telemetry in a new concrete shelter and CMP well. A new cableway also installed. Satellite telemetry is maintained by the U. S. Army Corps of Engineers and the USGS.

**REMARKS.**--The primary record is hourly data taken from satellite readings with chart back up. The record is complete. Open water record agrees with the chart to within ±0.02 ft., when encoder and pen corrections are applied. The record is reliable except for the following days when ice was thought to have affected the stage-discharge relationship: November 6, 2000 through February 28, 2001. The record is good for open water conditions. The record is estimated for the following days of ice effect using the Denver Department computed inflows for the Strontia Springs Reservoir operations numbers: November 6, 2000 through February 28, 2001. Station maintained and record developed by Rodger L. Burcher.

**RATING TABLE.**--PLASPLC015 USED FROM 01-OCT-2000 TO 18-OCT-2001

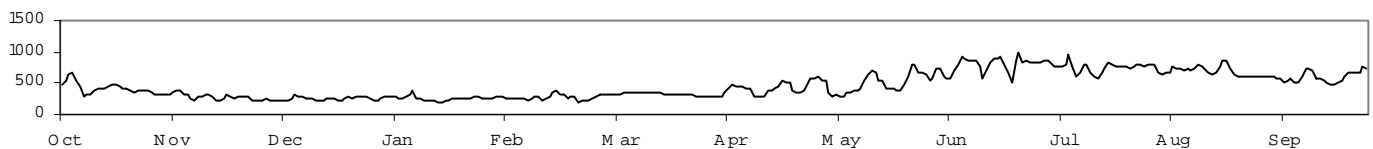
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	467	342	227	285	275	332	279	543	565	834	793	614
2	527	374	222	283	271	331	282	541	722	862	787	608
3	652	387	234	267	259	329	286	352	732	854	656	602
4	660	329	260	264	268	332	336	301	613	843	638	620
5	557	327	305	287	262	330	425	317	578	767	657	577
6	451	257	289	311	249	334	469	280	583	769	679	565
7	303	225	277	388	240	342	462	302	693	777	755	524
8	319	297	248	257	224	342	457	336	798	804	728	539
9	314	303	251	243	244	343	446	357	926	955	721	566
10	396	310	251	214	278	349	412	377	892	767	715	505
11	422	307	232	221	272	346	417	394	848	617	730	518
12	420	277	232	219	226	336	302	418	851	666	701	619
13	428	215	238	221	242	340	290	537	871	784	721	720
14	459	223	255	201	280	342	295	640	763	812	792	737
15	484	243	247	199	359	338	299	695	568	663	776	708
16	475	307	251	210	373	336	384	678	697	601	720	579
17	458	294	231	217	318	340	391	554	844	588	686	582
18	410	271	217	270	312	334	403	530	884	674	642	558
19	405	279	261	259	268	332	461	428	909	724	662	496
20	397	297	279	265	281	304	530	404	934	820	775	467
21	364	294	269	261	281	309	515	402	788	798	875	481
22	369	282	291	269	203	317	522	378	674	754	846	510
23	375	228	278	268	217	322	376	372	524	754	727	530
24	372	218	281	292	230	330	341	467	848	768	628	605
25	375	223	290	282	235	335	352	610	974	763	618	663
26	363	223	270	270	262	331	374	810	837	750	618	665
27	328	240	212	270	295	300	506	804	872	755	609	656
28	306	230	233	263	305	291	560	660	840	801	607	683
29	309	238	257	262	---	288	586	665	833	791	605	765
30	307	234	294	285	---	285	601	645	824	779	610	744
31	305	---	288	296	---	282	---	546	---	786	609	---
TOTAL	12777	8274	7970	8099	7529	10102	12359	15343	23285	23680	21686	18006
MEAN	412	276	257	261	269	326	412	495	776	764	700	600
AC-FT	25340	16410	15810	16060	14930	20040	24510	30430	46190	46970	43010	35710
MAX	660	387	305	388	373	349	601	810	974	955	875	765
MIN	303	215	212	199	203	282	279	280	524	588	605	467

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 169110 MEAN 463 MAX 974 MIN 199 AC-FT 335400

MAX DISCH: 1060 CFS AT 05:00 ON Jul. 9, 2001 GH 4.09 FT. SHIFT -0.07 FT.  
MAX GH: 4.09 FT. AT 05:00 ON Jul. 9, 2001

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



PLATTE RIVER BASIN

06707501 SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable, except for the following periods when the stage-discharge relation was affected by ice: November: 6, 22, 26-27, 29-30; December: 15-27, 29-30; January: 1-4, 8-11, 14-31; February: 1-8, 12-15, 17-18, 22, 24-28; March: 1-2, 6-7, 21. The record is good, except for November: 6, 22, 26-27, 29-30; December: 15-27, 29-30; January: 1-4, 8-11, 14-31; February: 1-8, 12-15, 17-18, 22, 24-28; March: 1-2, 6-7, 21, which were estimated due to ice. Flow past the gage is controlled by releases from Strontia Dam approximately 1500 feet upstream. The dam rarely spills. The record usually runs in steps from the releases. The new rating was developed and implemented. Station was maintained by R. E. Cooper and record was developed by M.L.Cunning.

RATING TABLE.--PLASTRCO02 USED FROM 01-OCT-2000 TO 30-SEP-2001

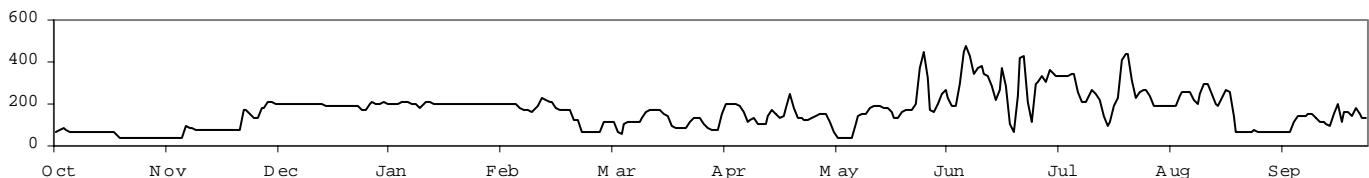
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	37	202	201	201	62	80	150	170	304	239	66
2	74	38	201	201	201	111	79	149	166	333	191	66
3	81	38	200	201	201	117	79	149	199	307	189	66
4	76	38	199	201	201	117	154	110	249	361	189	66
5	71	42	200	207	201	117	198	62	270	339	189	67
6	69	98	200	207	201	62	200	39	230	337	188	66
7	68	90	202	206	183	56	202	39	190	337	189	66
8	69	85	202	201	175	104	202	39	187	336	189	66
9	69	76	202	201	174	111	187	38	296	338	234	66
10	68	74	202	185	164	114	159	38	448	341	259	111
11	68	74	202	201	167	115	116	107	477	343	259	143
12	69	74	202	208	195	115	123	147	427	259	259	143
13	68	75	202	208	224	134	135	151	342	209	219	145
14	68	76	202	201	217	166	108	151	368	210	196	148
15	68	75	195	201	213	176	108	179	377	243	247	150
16	68	75	195	201	214	176	109	193	341	271	299	132
17	68	75	195	201	182	176	144	191	332	248	297	114
18	52	75	195	201	170	176	168	186	290	223	246	112
19	39	75	195	201	169	155	152	181	223	143	198	109
20	39	76	195	201	169	142	135	179	266	98	189	99
21	39	78	195	201	169	99	141	159	368	118	229	150
22	39	174	195	201	123	86	182	138	287	195	262	201
23	39	171	195	201	125	85	248	137	108	230	260	113
24	39	155	195	201	65	86	180	160	67	411	139	166
25	39	129	175	201	65	86	135	174	241	441	65	159
26	39	131	175	201	69	117	130	172	423	436	65	147
27	39	185	201	201	69	137	127	172	432	314	65	185
28	39	180	207	201	62	135	128	200	211	225	66	152
29	39	212	201	201	---	134	129	372	119	255	67	135
30	38	212	201	201	---	108	139	447	298	271	72	135
31	37	---	206	201	---	82	---	327	---	271	67	---
TOTAL	1745	2993	6134	6246	4569	3657	4377	4936	8402	8747	5822	3544
MEAN	56	100	198	201	163	118	146	159	280	282	188	118
AC-FT	3460	5940	12170	12390	9060	7250	8680	9790	16670	17350	11550	7030
MAX	81	212	207	208	224	176	248	447	477	441	299	201
MIN	37	37	175	185	62	56	79	38	67	98	65	66

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	61172	MEAN	168	MAX	477	MIN	37	AC-FT	121300

MAX DISCH: 605 CFS AT 11:00 ON Jun. 27, 2001 GH 4.71 FT. SHIFT 0.01 FT.  
MAX GH: 4.71 FT. AT 11:00 ON Jun. 27, 2001

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



PLATTE RIVER BASIN

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--2,621 mi<sup>2</sup>; 1926 to present.

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

**REMARKS.**--The primary record is hourly data taken from satellite monitoring with chart back-up. The record is complete and reliable except for December 11 through March 2 when ice was assumed to have accumulated on the control and in the well. The record is normally fairly flat in the winter due to control from Strontia Springs Reservoir, except for ice effects. However it is sometimes difficult to distinguish on the chart between ice effect and small levels of diurnal flow due to ice melting in the canyon. Discharge amounts for the ice-affected period of December 11 through March 2 was used from the estimated records kept by the Denver Water Department. The record is rated good except for the days estimated as ice periods-- December 11 through March 2, which are rated as poor. Station was maintained by R.E.Cooper and record was developed by M.L.Cunning.

**RATING TABLE.**--PLAWATCO08 USED FROM 01-OCT-2000 TO 30-SEP-2001

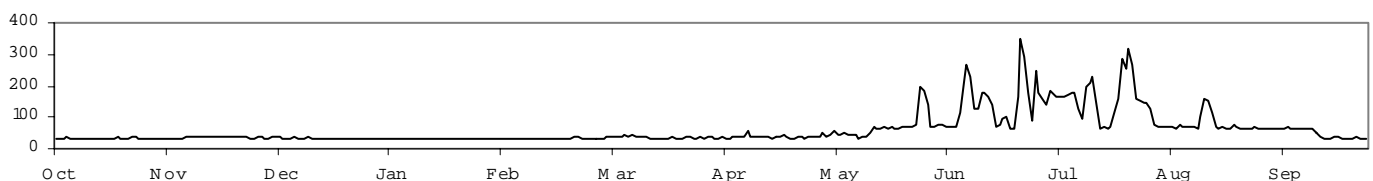
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	32	35	34	34	34	35	38	72	179	126	62
2	32	32	35	34	34	34	33	52	67	158	75	62
3	31	31	34	34	34	35	34	37	78	139	69	62
4	35	31	33	34	34	35	37	43	74	185	69	63
5	34	32	34	34	34	37	31	58	70	170	68	62
6	34	41	35	34	34	40	33	47	72	166	69	62
7	33	38	34	34	34	37	40	47	72	167	67	64
8	33	38	34	34	34	47	37	48	73	164	65	67
9	32	36	34	34	34	36	39	46	114	171	78	64
10	32	36	35	34	34	45	35	44	219	177	69	65
11	32	36	34	34	34	41	56	44	267	176	67	62
12	33	36	34	34	34	36	39	34	231	128	67	62
13	33	36	34	34	34	40	39	37	130	93	67	63
14	33	35	34	34	34	37	36	37	129	197	65	65
15	33	36	34	34	34	34	36	52	178	208	101	66
16	33	35	34	34	34	31	36	68	175	227	156	52
17	34	35	34	34	34	31	35	66	168	144	154	35
18	35	35	34	34	34	31	32	66	138	66	116	33
19	32	35	34	34	34	30	35	68	73	72	71	32
20	34	35	34	34	34	31	36	66	77	63	63	31
21	34	36	34	34	34	40	43	70	94	67	71	35
22	35	41	34	34	35	34	41	66	101	116	65	37
23	35	37	34	34	36	33	30	64	66	161	63	32
24	33	32	34	34	34	34	34	69	65	284	74	34
25	32	33	34	34	34	35	36	72	162	251	69	32
26	31	35	34	34	34	36	35	70	348	320	65	32
27	31	37	34	34	34	33	34	73	289	268	65	36
28	31	32	34	34	34	33	35	75	176	159	65	34
29	31	33	34	34	---	40	35	199	91	155	65	33
30	30	35	34	34	---	34	38	183	247	148	72	33
31	31	---	34	34	---	36	---	140	---	147	66	---
TOTAL	1015	1052	1057	1054	955	1110	1095	2079	4116	5126	2422	1472
MEAN	33	35	34	34	34	36	37	67	137	165	78	49
AC-FT	2010	2090	2100	2090	1890	2200	2170	4120	8160	10170	4800	2920
MAX	35	41	35	34	36	47	56	199	348	320	156	67
MIN	30	31	33	34	34	30	30	34	65	63	63	31

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	22553	MEAN	61.8	MAX	348	MIN	30	AC-FT	44730

MAX DISCH: 502 CFS AT 20:00 ON Jun. 26, 2001 GH 1.75 FT. SHIFT 0.01 FT.  
MAX GH: 1.75 FT. AT 20:00 ON Jun. 26, 2001

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



PLATTE RIVER BASIN

06709610 SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR, CO

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

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

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

REMARKS.--The primary record is hourly satellite data and mean daily data from the chart. Daily max and min values agreed with the corrected chart values to within +/-0.02 ft. The control was cleaned of moss for most measurements—one correction of -0.01 ft. was observed on October 13, 2000 and was applied by to October 1 as a datum correction. Also, a +0.01 GH correction required (but missed) on the January 5 visit was prorated to the previous and following visits. The record is complete and reliable. The record is good. Station maintained and record developed by Robert E Cooper.

RATING TABLE.--PLACHACO03 USED FROM 01-OCT-2000 TO 30-SEP-2001

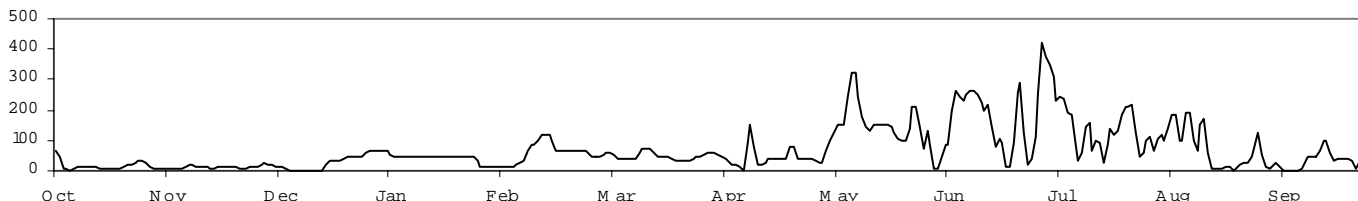
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	6.2	13	67	11	45	58	28	88	249	111	52
2	43	6.2	14	54	11	53	58	28	4.5	418	67	16
3	6.8	6.2	14	43	10	59	54	68	4.4	374	104	3.9
4	4.7	6.2	7.8	43	10	59	47	99	45	347	117	10
5	.59	6.3	.41	43	16	51	42	128	87	306	100	25
6	4.6	10	.12	43	21	40	28	153	86	228	138	15
7	11	17	.11	43	25	40	19	153	198	241	182	.54
8	11	17	.11	43	34	40	19	153	266	236	186	.6
9	11	15	.11	43	65	40	11	246	243	194	101	.37
10	11	12	.11	43	88	40	.05	325	228	185	97	.28
11	11	12	.1	43	88	40	90	323	247	129	192	.23
12	11	12	.09	43	99	58	150	243	264	30	193	9.5
13	8.8	8.5	.1	43	117	71	81	176	264	56	96	33
14	5.6	9.3	.11	43	117	71	23	147	248	142	64	44
15	5.6	12	19	43	117	71	22	131	222	161	151	43
16	5.6	13	36	43	99	59	29	153	200	64	172	43
17	5.6	16	36	43	67	43	38	153	216	96	57	66
18	5.6	15	36	43	67	43	38	153	142	89	5.5	98
19	7.8	15	35	43	67	43	38	153	77	28	5.5	97
20	14	13	39	43	67	43	38	153	107	85	5.4	59
21	19	9.6	43	43	67	39	38	142	90	139	5.3	32
22	20	9.5	43	43	67	36	38	127	11	120	14	40
23	25	9.3	43	43	67	36	77	108	11	133	16	40
24	32	10	43	43	67	36	80	96	93	185	.23	40
25	32	13	43	43	67	36	42	96	258	212	9.6	40
26	24	13	57	31	56	36	42	136	287	213	23	30
27	12	20	67	11	46	42	42	212	122	214	26	7.8
28	6.5	26	67	11	46	45	42	212	23	127	26	30
29	6.5	19	67	11	---	45	42	146	41	49	43	50
30	6.3	17	67	11	---	50	34	71	114	59	71	.42
31	6.2	---	67	11	---	59	---	131	---	96	125	---
TOTAL	440.79	374.3	858.17	1196	1679	1469	1360.05	4643	4286.9	5205	2503.53	926.64
MEAN	14.2	12.5	27.7	39	60	47	45.3	150	143	168	80.8	30.9
AC-FT	874	742	1700	2370	3330	2910	2700	9210	8500	10320	4970	1840
MAX	67	26	67	67	117	71	150	325	287	418	193	98
MIN	.59	6.2	.09	11	10	36	.05	28	4.4	28	.23	.23

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	24942.38	MEAN	68.3	MAX	418	MIN	.05	AC-FT	49470

MAX DISCH: 454 CFS AT 10:00 ON Jul. 2, 2001 GH 3.02 FT. SHIFT 0 FT.  
MAX GH: 3.02 FT. AT 10:00 ON Jul. 2, 2001

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



PLATTE RIVER BASIN



**LOCATION.**--Lat 39°39'11", long 105°11'42, in SE¼SW¼ sec. 35, T.4 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank at Morrison, 180 ft upstream from bridge on State Highway 8 and 0.2 mi upstream from Mount Vernon Creek.

**DRAINAGE AREA AND PERIOD OF RECORD.**--164 mi<sup>2</sup>. Sporadic, incomplete data Sep. 1881 to Feb. 1902. Good data October 1919 to current year. Monthly data for some periods only. Some early years published as near Morrison, at Starbuck, at Idledale. Water quality data from Oct. 1976 to Sep. 1981.

**GAGE.**--Water-stage recorder with satellite telemetry, shaft encoder and Telemark in a 42-inch metal shelter and well.

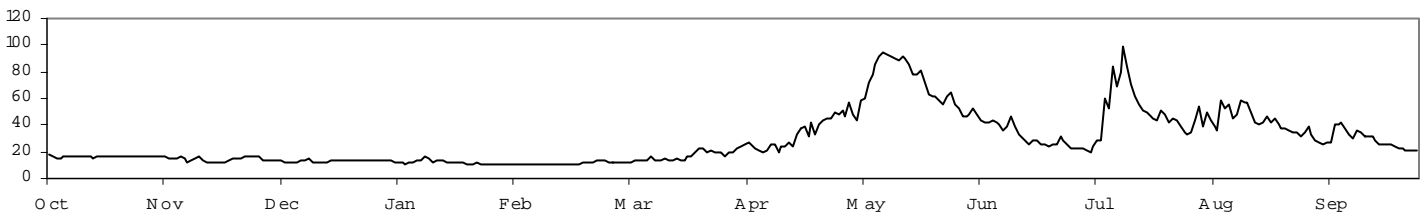
**REMARKS.**--Hourly data is the primary record, taken from satellite monitoring with chart back-up. Mean daily values from the chart were used on the following days when the satellite record was missing: May 26-30; The record is complete, except for the following period when both chart and satellite data were not available: November 19-26; The record is reliable except for the following periods during the winter when ice accumulates on the control; November 11-18, 29,30; December 1-31, 2000; January 1-31; February 1-28; The record is rated as good, except for March 1-14 which is fair due to possible ice-affect, and except for Nov. 11,2000-Feb. 28, 2001, which was estimated. Station maintained and record developed by Rodger Burcher.

**RATING TABLE.**--BCRMORCO21 USED FROM 01-OCT-2000 TO 04-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	17	13	12	10	12	19	46	46	23	35	39
2	16	15	13	12	10	12	22	57	46	22	44	33
3	15	15	12	12	10	12	24	48	48	22	54	29
4	15	15	12	11	10	12	26	44	52	21	39	27
5	16	16	12	12	11	12	27	58	48	19	49	26
6	17	15	12	12	11	13	26	60	43	24	43	27
7	17	12	13	13	11	14	22	72	42	28	39	27
8	17	14	14	13	11	14	21	78	42	28	36	40
9	17	15	15	16	11	14	19	86	44	60	59	40
10	17	16	12	15	11	16	21	92	42	52	52	42
11	16	14	12	12	11	14	26	95	40	84	56	38
12	16	12	12	13	11	13	26	93	36	69	45	33
13	15	12	12	13	11	13	20	91	39	79	48	30
14	16	12	12	13	11	15	24	90	46	99	58	36
15	16	12	13	12	11	14	24	89	39	84	57	35
16	16	12	13	12	11	14	27	91	33	70	57	32
17	17	12	13	12	11	15	24	90	30	62	50	31
18	16	13	14	12	11	13	33	85	27	55	42	31
19	16	15	14	12	11	14	37	78	26	51	40	28
20	16	15	14	11	12	17	39	78	29	49	42	26
21	16	15	13	11	12	16	32	81	28	46	46	25
22	16	17	13	11	12	20	42	72	26	45	42	26
23	17	17	13	12	12	23	33	63	25	43	45	25
24	17	16	13	11	13	23	40	62	24	51	40	24
25	17	16	13	11	13	19	43	61	26	48	37	23
26	17	17	13	10	13	21	45	59	26	42	37	23
27	16	14	13	10	12	20	45	56	31	45	36	21
28	16	14	13	10	12	19	49	61	28	43	34	21
29	17	14	13	10	---	19	48	65	25	39	34	21
30	16	14	13	10	---	17	51	56	22	35	32	21
31	16	---	13	10	---	19	---	53	---	33	34	---
TOTAL	506	433	400	366	316	489	935	2210	1059	1471	1362	880
MEAN	16	14	13	12	11	16	31	71	35	48	44	29
AC-FT	1000	859	793	726	627	970	1850	4380	2100	2920	2700	1750
MAX	18	17	15	16	13	23	51	95	52	99	59	42
MIN	15	12	12	10	10	12	19	44	22	19	32	21
CAL YR 2000	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC-FT	0	
WTR YR 2001	TOTAL		10427	MEAN	28.6	MAX	99	MIN	10	AC-FT	20680	

MAX DISCH: 174 CFS AT 20:45 ON Jul. 13, 2001 GH 5.16 FT. SHIFT -0.01 FT.  
MAX GH: 5.16 FT. AT 20:45 ON Jul. 13, 2001  
FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

**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 AND PERIOD OF RECORD.**--260 mi<sup>2</sup>. April to Nov. 1914, March 1927 to current year. Monthly data only prior to Oct. 1933.

**GAGE.**--Water-stage recorder with satellite telemetry, shaft encoder and Telemark in a 42-inch metal shelter and well with supplemental outside wire weight gage.

**REMARKS.**--The primary record is hourly data from satellite with chart back-up. The data is complete and reliable, except for the following days when the stage-discharge relationship was ice-affected: December 12,19,20, 21; January 17, 18; Feb. 10, 11, 15. Hourly data was used from the chart June 12-19, when the DCP was down. Chart data was also used for 3 periods when the encoder float tape slipped off its pulley during a sharp rise in stage: July 8-11, 23-25; and August 1-2. The record is rated as good, except for the following days which were estimated: December 12,19,20, 21; January 17, 18; Feb. 10, 11, 15. Station maintained and record developed by Robert E. Cooper.

**RATING TABLE.**--BCRSHECO32 USED FROM 01-OCT-2000 TO 07-DEC-2001

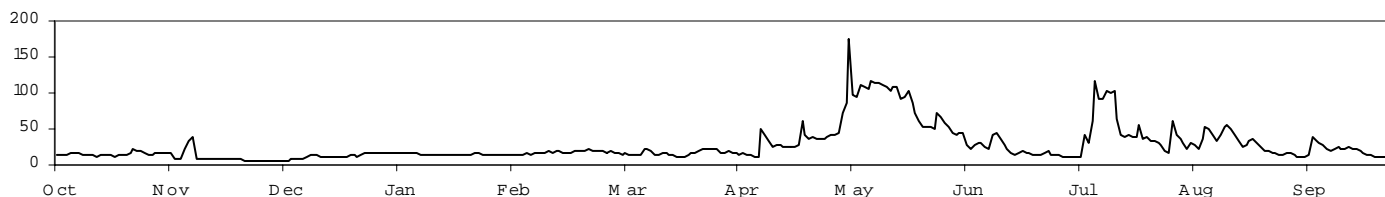
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	17	6.9	16	15	19	18	41	54	13	62	16
2	13	9.3	6	16	15	18	19	45	45	12	41	18
3	13	8.5	6.7	16	14	16	18	73	42	11	35	15
4	13	8.1	7.2	17	15	15	17	86	44	11	30	12
5	16	22	8	16	15	17	15	176	44	12	23	12
6	17	32	8.7	17	16	15	16	97	29	9.8	31	12
7	16	40	8.7	17	15	14	15	95	23	12	28	13
8	15	8.4	11	15	16	14	13	111	29	42	21	40
9	15	8.4	13	13	18	15	11	109	30	31	35	34
10	14	8	14	14	17	21	12	106	31	61	53	30
11	14	8.4	13	15	18	23	50	116	26	118	50	28
12	12	8	12	15	19	19	43	114	23	93	41	22
13	13	7.7	12	15	18	15	32	114	42	91	33	20
14	14	7.5	12	14	19	15	26	110	45	102	43	23
15	14	7.4	11	14	19	17	27	107	36	101	52	25
16	13	7.8	11	14	18	16	28	102	27	102	56	23
17	12	9.2	11	15	18	15	25	109	21	63	50	23
18	13	9.1	11	15	18	13	25	109	16	41	42	24
19	15	7.2	12	14	19	11	24	93	14	39	32	23
20	15	7.1	14	13	19	11	24	95	18	41	26	21
21	16	6.8	13	14	20	12	27	103	19	40	29	19
22	23	6.9	12	14	20	13	60	87	17	40	34	16
23	20	6.8	14	16	21	16	42	71	17	55	35	15
24	19	6.7	16	17	20	18	35	61	15	37	31	14
25	17	6.5	16	15	19	20	38	54	15	40	26	12
26	15	6.4	17	13	19	23	36	53	15	33	20	11
27	15	6.3	16	13	19	23	35	53	18	33	19	12
28	16	6.3	16	14	17	22	37	51	19	31	18	12
29	16	6.3	17	15	---	23	40	72	15	27	16	12
30	16	6.5	16	14	---	21	41	68	13	20	15	10
31	17	---	17	14	---	18	---	59	---	16	15	---
TOTAL	470	306.6	379.2	460	496	528	849	2740	802	1377.8	1042	567
MEAN	15	10.2	12.2	15	18	17	28	88	27	44.4	34	19
AC-FT	932	608	752	912	984	1050	1680	5430	1590	2730	2070	1120
MAX	23	40	17	17	21	23	60	176	54	118	62	40
MIN	12	6.3	6	13	14	11	11	41	13	9.8	15	10

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 10017.6 MEAN 27.4 MAX 176 MIN 6 AC-FT 19870

MAX DISCH: 470 CFS AT 16:15 ON Jul. 23, 2001 GH 4.31 FT. SHIFT 0 FT.  
MAX GH: 4.31 FT. AT 16:15 ON Jul. 23, 2001

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



PLATTE RIVER BASIN

06714000 SOUTH PLATTE RIVER AT DENVER, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--3,861 mi<sup>2</sup>. May 1889 to Oct. 1890 sporadic record. July 1895 to current year continuous. Monthly data only for some periods.

**GAGE.**--Water-stage recorder with satellite telemetry in a 72"x72" precast concrete shelter on a 48" corrugated steel well. Station includes electric drop tape, telemark and outside wire weight gage.

**REMARKS.**--The primary record is hourly data taken from satellite monitoring with chart backup. The primary record is hourly data taken from satellite monitoring with chart backup. Daily maximum & minimum stages for the satellite record checked to within +/- 0.02 with the chart. The record is complete and reliable. The record is considered good, except for flows above 473 cfs (including the recorded peak flow) which are fair due to lack of confirming measurements above 473 cfs. The "spill", as added to the measurements, is the regulating discharge from the Farmers and Gardeners Ditch. Record developed by Brent Schantz.

**RATING TABLE.**--PLADENCO32 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	123	110	172	114	189	157	178	334	268	513	202
2	194	104	112	171	126	186	157	211	185	450	409	151
3	138	97	113	153	126	188	172	446	172	479	243	129
4	139	96	117	153	118	186	161	828	206	404	270	120
5	155	363	103	152	114	191	149	2120	244	520	211	124
6	160	205	111	154	119	175	171	831	218	372	299	137
7	153	171	115	156	119	164	155	448	261	349	300	121
8	148	117	104	155	127	162	145	434	395	1650	308	546
9	156	111	106	150	136	163	145	467	391	769	308	214
10	142	111	108	145	177	238	142	589	364	450	263	167
11	136	116	107	147	211	279	802	628	358	548	429	149
12	134	118	98	150	226	219	499	612	376	427	349	128
13	139	118	91	154	230	199	335	507	854	603	296	138
14	124	115	101	155	224	198	217	500	613	647	242	169
15	126	119	102	156	256	175	226	450	397	493	291	173
16	125	120	115	164	235	176	222	437	344	360	363	172
17	118	119	135	170	205	156	223	464	340	259	277	183
18	103	127	135	165	195	144	231	448	320	316	190	209
19	115	124	137	164	202	138	233	403	213	215	164	202
20	122	122	142	160	201	136	238	474	227	221	162	192
21	130	112	140	165	194	125	240	538	271	308	153	139
22	229	109	140	163	195	127	514	369	160	276	163	146
23	192	106	144	157	204	130	336	329	174	872	197	146
24	168	104	146	158	199	128	310	293	177	572	166	147
25	164	100	143	152	198	134	239	266	289	408	167	140
26	159	102	152	139	197	186	228	267	423	447	160	141
27	142	107	164	117	196	143	201	349	283	411	161	123
28	137	117	167	115	192	143	196	389	176	351	146	105
29	137	117	165	121	---	154	196	438	142	223	150	163
30	132	115	166	121	---	177	189	375	181	203	181	119
31	136	---	171	112	---	187	---	272	---	199	241	---
TOTAL	4560	3785	3960	4666	5036	5296	7429	15360	9088	14070	7772	4995
MEAN	147	126	128	151	180	171	248	495	303	454	251	167
AC-FT	9040	7510	7850	9260	9990	10500	14740	30470	18030	27910	15420	9910
MAX	229	363	171	172	256	279	802	2120	854	1650	513	546
MIN	103	96	91	112	114	125	142	178	142	199	146	105
CAL YR 2000	TOTAL		0	MEAN		0	MAX		0	MIN		0
WTR YR 2001	TOTAL		86017	MEAN		236	MAX		2120	MIN		91
									AC-FT			170600

MAX DISCH: 8620 CFS AT 18:30 ON Jul. 8, 2001 GH 9.63 FT. SHIFT 0.03 FT.  
MAX GH: 9.63 FT. AT 18:30 ON Jul. 8, 2001

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

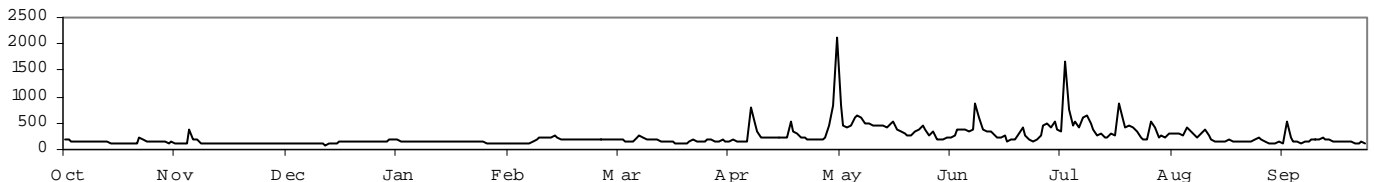


PLATE RIVER BASIN  
STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL

**LOCATION.**-- Lat 39°40'45", long 105°54'12", manhole is located in the East Portal CDOT parking lot between the East and West bound lanes.

**DRAINAGE AREA.**--Eisenhower Tunnel seepage with effluent from sewage treatment facility.

**GAGE.**--12 in. Parshall Flume.

**REMARKS.**--One instantaneous gage height reading is taken each month during the fair weather months by employees of Coors. The parking lot is covered with ice in the winter and such readings are not made. Confined space equipment is used by Coors (Oxygen tester & man-hoist) when taking readings. Coors' safety policies do not allow the use of this equipment by state personnel to check the flume or for state personnel to observe the Coors' readings being made. Record is user-supplied information and is not rated for accuracy. This record is requested by DWR Division 5 and the Upper Colorado River Commission to complete their accounting of transmountain diversions. Record developed by Robert E. Cooper.

**RATING TABLE.**--STCTUNCO

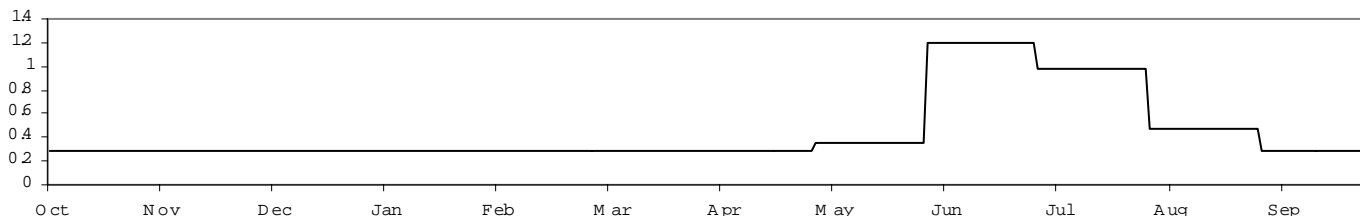
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
2	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
3	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
4	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
5	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
6	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
7	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
8	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
9	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
10	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
11	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
12	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
13	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
14	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
15	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
16	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
17	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
18	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
19	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
20	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
21	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
22	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
23	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
24	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
25	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
26	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
27	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
28	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
29	.29	.29	.29	.29	---	.29	.29	.35	1.2	.98	.48	.29
30	.29	.29	.29	.29	---	.29	.29	.35	1.2	.98	.48	.29
31	.29	---	.29	.29	---	.29	---	.35	---	.98	.48	---
TOTAL	8.99	8.7	8.99	8.99	8.12	8.99	8.7	10.85	36	30.38	14.88	8.7
MEAN	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
AC-FT	18	17	18	18	16	18	17	22	71	60	30	17
MAX	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29
MIN	.29	.29	.29	.29	.29	.29	.29	.35	1.2	.98	.48	.29

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 162.29 MEAN .44 MAX 1.2 MIN .29 AC-FT 322

MAX DISCH: 0 CFS AT 00:00 ON Dec. 30, 1899 GH -1 FT. SHIFT 0 FT.  
MAX GH: 0 FT. AT 00:00 ON Jan. 1, 2001

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



PLATTE RIVER BASIN

06720000 CLEAR CREEK AT DERBY, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--575 mi<sup>2</sup>; 1927 to present.

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

**REMARKS.**--The primary record is hourly satellite data and mean daily gage heights from the chart. Daily maximum and minimum stages for the satellite record checked to within ± 0.02 with the chart. Where DCP data was missing, data was entered hourly from the chart. The beaded cable slipped out of the wheel on the Shaft Encoder May 14, during a rise in stage. The chart values were entered for this 4 hour period. The problem was corrected during a visit to the gage that same day. The record is good. Station maintained and record developed by Brent Schantz.

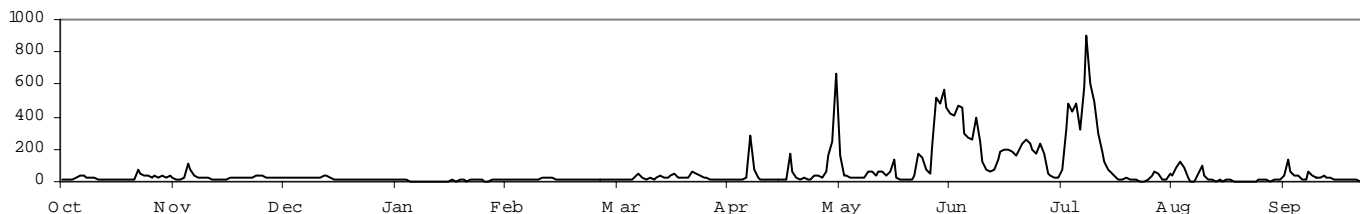
**RATING TABLE.**--CLEDERCO34 USED FROM 01-OCT-2000 TO 31-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	24	28	8.8	12	12	13	25	224	235	36	7.7
2	9.1	17	27	9.4	14	14	12	59	515	167	64	7.7
3	10	17	26	11	14	15	11	159	477	52	47	5.6
4	18	20	27	11	12	10	10	245	563	31	8.8	6.9
5	26	117	27	7.7	12	10	9.5	663	460	23	6.8	6.4
6	32	70	28	1.7	12	10	11	164	416	25	49	8.3
7	31	31	27	1.3	11	12	12	42	402	80	32	41
8	22	21	26	1.4	7.1	13	10	33	466	320	88	139
9	20	20	25	1.5	8.3	12	9.8	26	458	478	123	63
10	19	19	23	1.4	12	39	19	23	296	435	87	41
11	16	20	23	1.3	17	44	278	25	267	478	19	32
12	11	18	30	1.1	19	27	78	23	257	315	5.6	18
13	7.7	16	39	.94	21	17	20	25	395	583	4.7	18
14	7.6	17	43	1.1	20	20	17	64	248	900	55	59
15	8.6	18	24	1.1	24	18	13	58	119	609	102	42
16	8.7	18	15	2.4	16	21	10	42	77	499	37	24
17	15	25	15	5.9	14	32	11	61	67	291	18	24
18	17	25	13	7.9	18	28	10	61	72	185	6.7	32
19	15	25	14	5.8	16	26	9.5	39	138	122	5.7	27
20	15	25	16	6.9	15	31	9.3	63	189	80	8.2	25
21	17	27	14	6.7	15	44	14	134	192	46	5.9	11
22	79	29	17	5.3	14	29	173	24	199	23	8.2	8.6
23	51	28	14	8.4	15	30	58	15	188	15	8.3	8.3
24	40	31	12	8.3	12	30	26	11	163	15	5.6	10
25	32	31	12	7.8	11	30	15	11	182	25	5.3	6.9
26	20	33	12	6.9	10	65	23	16	229	10	4.9	7.2
27	31	27	14	4.3	13	46	16	38	254	8.6	4.5	6.4
28	30	23	15	4.7	12	33	15	178	233	7.7	5.3	5.7
29	31	29	15	12	---	28	31	149	192	5.8	5.5	5.2
30	29	28	14	18	---	24	41	75	172	5.6	5.7	5
31	43	---	9.3	11	---	17	---	55	---	12	6.2	---
TOTAL	723.7	849	644.3	183.04	396.4	787	985.1	2606	8110	6081.7	868.9	701.9
MEAN	23.3	28	20.8	5.9	14.2	25	32.8	84	270	196	28	23.4
AC-FT	1440	1680	1280	363	786	1560	1950	5170	16090	12060	1720	1390
MAX	79	117	43	18	24	65	278	663	563	900	123	139
MIN	7.6	16	9.3	.94	7.1	10	9.3	11	67	5.6	4.5	5
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	22937.04	MEAN	62.8	MAX	900	MIN	.94	AC-FT	45500		

MAX DISCH: 2110 CFS AT 19:15 ON July 8, 2001 GH 3.64 FT. SHIFT +.12 FT.  
MAX GH: 3.64 FT. AT 19:15 ON July 8, 2001.

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



PLATTE RIVER BASIN

06720500 SOUTH PLATTE RIVER AT HENDERSON, CO

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

**PERIOD OF RECORD AND DRAINAGE AREA**--4,713 mi<sup>2</sup>. May 1926 to current year. Monthly data only prior to 1933. Periodic water quality data available starting in 1955.

**GAGE**--Water-stage recorder with satellite telemetry, shaft encoder and Telemark in a 42-inch metal pipe shelter with electric drop tape and outside wire weight as additional reference. An Accubar was installed April 25, 1997 and run in parallel with the shaft encoder. The Accubar is used as primary record during periods of low flows when the well becomes isolated.

**REMARKS**--Primary record is hourly readings, taken from satellite monitoring of the stilling well and Accubar with chart back-up on the well. Normally the stilling well record is used, but the well became isolated many days when the stage dropped below about 1.75 ft So this year the Accubar data was used with well data edited into the record spreadsheet for peak flows. The gage height record is complete and reliable. Record is rated as good, except for flows above 831 cfs (including the recorded peak flow) which are fair due to lack of confirming measurements made this year above 831cfs. Construction of rock control is planned for this gage in February, 2002, by the Urban Drainage and Flood Control District in cooperation with Colorado DWR and the Metro Wastewater District. Station maintained and record developed by Bob Cooper.

**RATING TABLE**--PLAHENCO31 USED FROM 01-OCT-2000 TO 30-SEP-2001

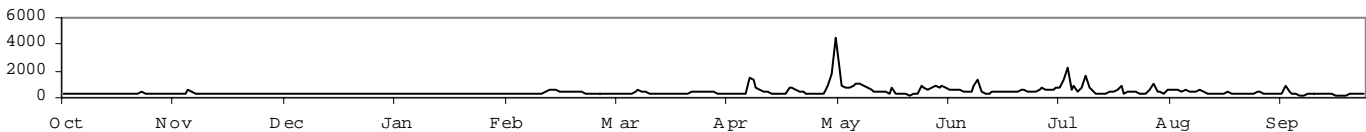
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	305	271	251	273	284	344	456	296	817	546	570	405
2	286	262	259	276	292	358	373	348	897	682	1030	337
3	274	262	256	280	307	365	268	968	799	644	495	316
4	278	270	255	285	299	360	265	1730	902	545	426	321
5	302	542	244	287	307	354	271	4530	783	604	367	292
6	314	480	241	277	302	323	280	2090	645	809	533	287
7	315	299	250	275	291	304	318	952	568	682	585	327
8	311	283	249	282	279	286	299	774	670	1360	537	969
9	311	266	253	276	277	309	307	773	611	2280	589	393
10	308	264	255	270	275	382	307	928	480	619	487	262
11	304	260	258	269	291	578	1530	997	420	911	626	243
12	297	261	249	271	348	519	1320	1020	398	521	459	211
13	272	253	245	270	463	407	777	873	950	709	411	209
14	245	251	246	264	528	359	555	812	1330	1620	427	249
15	241	251	251	271	529	318	520	607	493	725	546	271
16	247	250	238	277	574	319	445	520	365	545	498	235
17	249	252	240	267	508	326	367	416	307	336	334	237
18	257	250	232	281	476	319	355	474	383	320	295	247
19	262	251	237	281	466	301	358	405	419	314	257	242
20	258	264	243	279	474	296	320	355	467	329	297	240
21	256	361	232	281	446	305	348	776	505	423	297	233
22	348	359	240	279	377	299	821	369	428	393	323	218
23	431	264	247	271	387	315	764	297	464	641	390	213
24	287	252	235	271	358	302	645	246	447	846	370	224
25	295	252	230	271	354	300	477	227	481	245	351	222
26	319	256	255	274	355	466	398	213	659	395	353	254
27	314	259	287	279	354	505	352	229	586	498	359	292
28	267	252	284	283	359	434	316	347	447	445	310	294
29	262	247	282	287	---	425	309	858	446	358	308	316
30	263	249	278	299	---	484	314	805	446	344	330	322
31	274	---	276	286	---	491	---	667	---	322	405	---
TOTAL	8952	8493	7798	8592	10560	11453	14435	24902	17613	20011	13565	8881
MEAN	289	283	252	277	377	369	481	803	587	646	438	296
AC-FT	17760	16850	15470	17040	20950	22720	28630	49390	34940	39690	26910	17620
MAX	431	542	287	299	574	578	1530	4530	1330	2280	1030	969
MIN	241	247	230	264	275	286	265	213	307	245	257	209

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 155255 MEAN 425 MAX 4530 MIN 209 AC-FT 307900

MAX DISCH: 7080 CFS AT 23:15 ON Jul. 8, 2001 GH 7.88 FT. SHIFT -0.05 FT.  
MAX GH: 7.88 FT. AT 23:15 ON Jul. 8, 2001

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



PLATTE RIVER BASIN

MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY, CO

LOCATION.--Lat 40 07' 55", long 105 31' 00", NE1/4 NW1/4 Sec. 24, T.2 N., R.73 W.

PERIOD OF RECORD AND DRAINAGE AREA.--Gage established on May 14, 1998 by State of Colorado, Division of Water Resources personnel. This gage will be a partial year record station.

GAGE.--Graphic water-stage recorder and satellite monitoring DCP with shaft encoder in 48" diameter metal pipe shelter and well. DCP is the primary record with chart as a backup.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. It is complete and reliable. The record is good, except for flows above 130 cfs, which are fair due to lack of rating measurements. This gage is a partial year record station. Station maintained and record developed by Merlin Friedrichsen.

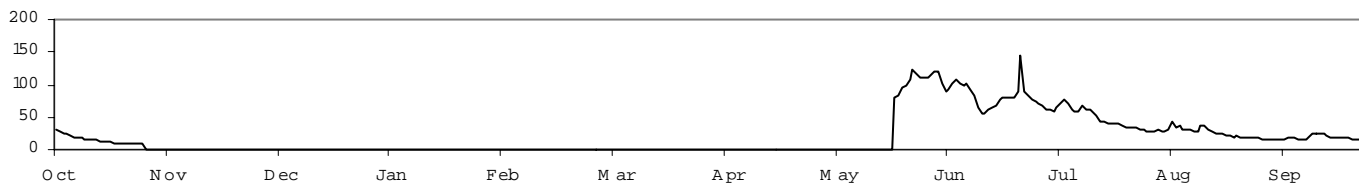
RATING TABLE.--MIDSTECO02 USED FROM 01-OCT-2000 TO 19-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	30								114	71	29	16			
2	28								119	67	27	15			
3	26								120	62	30	15			
4	25								101	61	29	14			
5	23								90	60	29	14			
6	20								92	64	30	15			
7	19								101	70	42	16			
8	18								109	76	35	19			
9	16								103	72	37	18			
10	16								97	62	31	17			
11	14								101	59	32	16			
12	14								92	59	30	14			
13	13								83	67	29	14			
14	12								66	63	29	20			
15	11								56	63	36	24			
16	11								54	57	36	24			
17	10								61	52	30	25			
18	9.7								65	44	28	26			
19	9.1								69	42	25	22			
20	8.6								76	41	25	19			
21	8.1								81	41	25	18			
22	8.7							80	81	39	23	18			
23	9.2							83	80	39	22	18			
24	8.8							94	81	36	20	17			
25	8							99	88	35	21	17			
26								107	146	35	18	16			
27								123	89	35	18	15			
28								118	84	34	18	16			
29								111	78	31	17	16			
30								112	73	30	19	16			
31								111	---	28	18	---			
TOTAL	376.2							1038	2650	1595	838	530			
MEAN	12.1							33.5	88	52	27	18			
AC-FT	746							2060	5260	3160	1660	1050			
MAX	30							123	146	76	42	26			
MIN									54	28	17	14			
CAL YR 2000	TOTAL		0	MEAN		0	MAX		0	MIN		0	AC-FT		0
WTR YR 2001	TOTAL	7027.2	MEAN		19.3	MAX		146	MIN		0	AC-FT		13940	

MAX DISCH: 134 CFS AT 19:45 ON May. 27, 2001 GH 2.74 FT. SHIFT -0.07 FT.  
MAX GH: 2.74 FT. AT 19:45 ON May. 27, 2001

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



PLATTE RIVER BASIN  
SOUTH ST. VRAIN CREEK NEAR WARD, CO

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

DRAINAGE AREA AND PERIOD OF RECORD.--14.4 mi<sup>2</sup>; 1925-27,28-31, 54-73, 1992 to present

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

REMARKS.--The primary record is hourly satellite data with chart backup. Record is complete and reliable except for the following period: October 25, 2000 to May 16, 2001, when station was closed for winter. The record is good. This is a partial year record, re-established on May 15, 1992 by Division of Water Resources personnel after the USGS dropped publication. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--SSVWARCO09 USED FROM 01-OCT-2000 TO 19-OCT-2001

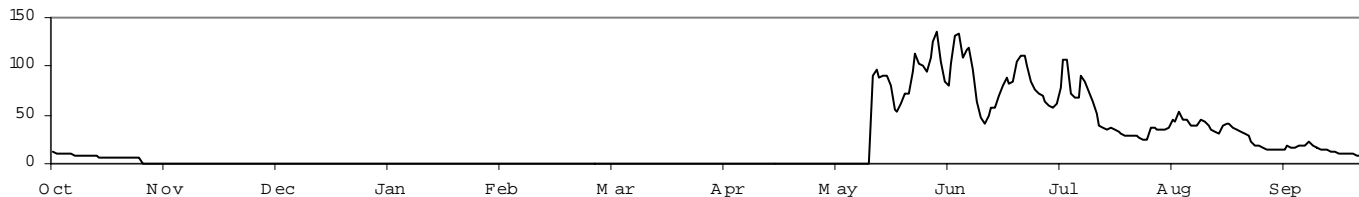
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13								109	72	37	17
2	11								125	70	38	15
3	11								135	63	35	14
4	10								105	59	34	14
5	10								85	58	34	14
6	9.4								81	61	36	14
7	8.8								103	78	45	15
8	8.6								132	107	43	18
9	8.2								134	106	54	17
10	8.1								109	72	45	17
11	8.1								118	68	45	19
12	7.6								120	67	39	18
13	7.4								96	90	39	18
14	6.3								63	84	39	22
15	7								47	73	45	19
16	6.6							90	42	64	44	16
17	6.3							97	49	51	39	15
18	6.2							89	58	40	34	15
19	6.2							90	57	36	32	14
20	5.8							91	70	35	31	13
21	5.7							80	81	36	40	12
22	5.8							56	88	34	41	11
23	6.4							53	82	33	42	10
24	6.5							62	84	31	37	9.8
25	7							71	104	29	34	9.5
26								72	111	28	32	9.3
27								94	111	29	30	8.9
28								114	100	29	28	8.7
29								102	85	27	22	8.3
30								101	77	25	18	8.1
31								95	---	25	18	---
TOTAL	197							1357	2761	1680	1130	419.6
MEAN	6.35							43.8	92	54	37	14
AC-FT	391							2690	5480	3330	2240	832
MAX	13							114	135	107	54	22
MIN									42	25	18	8.1

CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR 2001	TOTAL	7544.6	MEAN	20.7	MAX	135	MIN	0	AC-FT	14960

MAX DISCH: 162 CFS AT 00:45 ON Jun. 3, 2001 GH 2.86 FT. SHIFT -0.08 FT.  
MAX GH: 2.86 FT. AT 00:45 ON Jun. 3, 2001

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





PLATTE RIVER BASIN

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

**LOCATION.**--Lat 40°05'29", long 105°30'31", the gage is located ½ mile downstream from gage on S. St. Vrain Creek off Highway 72.

**PERIOD OF RECORD AND DRAINAGE AREA.**--Established station on May 21, 1992 at request of Water Commissioner for administration of water rights in District 5, Div. 1. This station is operated as a partial year record station usually from May to October.

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

**REMARKS.**--Record is complete and reliable except for the following period: October 25, 2000 thru May 22, 2001, when station was closed for the season. The Record is good during the period of record. This is a partial year record station. Diversions continue through the winter when the station is closed for winter conditions. Station maintained and record developed by Merlin Friedrichsen.

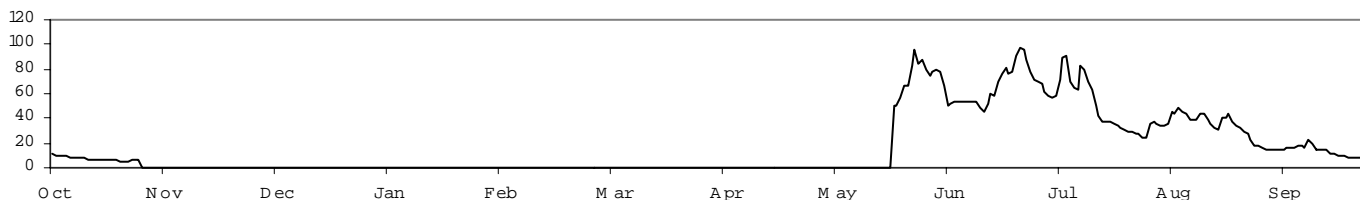
**RATING TABLE.**--LEFTHDCO02 USED FROM 01-OCT-2000 TO 19-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12								75	69	36	16
2	10								78	68	38	15
3	9.4								79	62	35	14
4	9.3								78	59	34	14
5	9								66	57	34	14
6	8.4								51	59	36	14
7	7.8								52	71	45	15
8	7.8								53	90	44	17
9	7.6								54	91	49	17
10	7.5								53	69	45	16
11	7.2								54	65	44	18
12	6.9								54	64	39	18
13	6.7								53	82	39	17
14	6								53	79	39	23
15	6.8								49	70	44	19
16	6.5								46	63	44	15
17	6								52	51	39	14
18	5.9								60	42	35	15
19	5.8								58	38	32	14
20	5.6								69	37	31	12
21	5.6								76	37	41	11
22	5.4							50	81	36	41	10
23	6.3							50	77	34	43	9.7
24	6.3							57	78	32	37	9.4
25	6							66	91	31	34	8.7
26								67	97	29	32	8.5
27								83	96	30	30	8.2
28								96	87	28	28	8.1
29								85	78	27	22	8.1
30								87	72	25	18	7.8
31								80	---	24	18	---
TOTAL	181.8	0	0	0	0	0	0	721	2020	1619	1126	406.5
MEAN	5.86	0	0	0	0	0	0	23.3	67	52	36	13.6
AC-FT	361	0	0	0	0	0	0	1430	4010	3210	2230	806
MAX	12	0	0	0	0	0	0	96	97	91	49	23
MIN	0	0	0	0	0	0	0	0	46	24	18	7.8
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	6074.3	MEAN	16.6	MAX	97	MIN	0	AC-FT	12050		

MAX DISCH: 110 CFS AT 01:00 ON May. 28, 2001 GH 2.11 FT. SHIFT -0.03 FT.  
MAX GH: 2.11 FT. AT 01:00 ON May. 28, 2001

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



PLATTE RIVER BASIN  
BEAVER CREEK ABOVE BEAVER RESERVOIR

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

**DRAINAGE AREA.**--

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

**REMARKS.**--The primary record is hourly satellite data with chart backup. The record is complete and reliable except for the following period: October 25, 2000-May 22, 2001: Station was closed for winter. The record is fair due to uneven flow in the rocky channel. Depending on staffing, publication of this record may be discontinued. This is a partial year record station, established in May, 1992 at request of Water Commissioner for administration in District 5. Station maintained and record developed by Merlin Freidrichsen.

**RATING TABLE.**--BEAVERCO02 USED FROM 01-OCT-2000 TO 18-OCT-2001

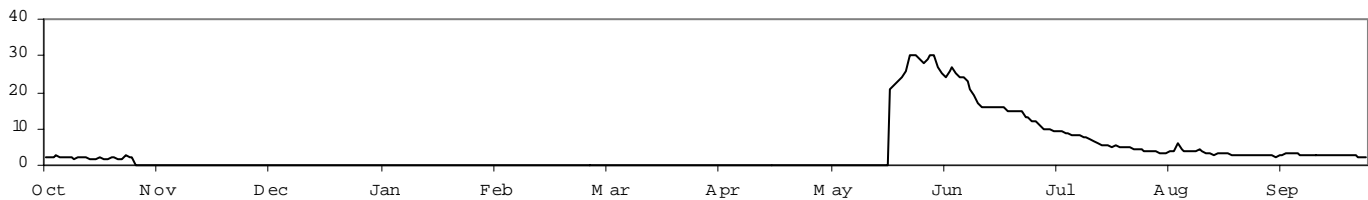
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2								29	12	3.9	2.8
2	2								30	11	3.8	2.7
3	2.3								30	10	3.7	2.6
4	2.5								27	9.8	3.5	2.5
5	2.3								25	9.6	3.4	2.4
6	2.4								24	9.2	3.5	2.5
7	2.4								26	9.5	3.9	2.6
8	2								27	9.5	3.6	3.1
9	1.9								25	8.8	5.8	3.1
10	2								24	8.5	4.3	3.3
11	2.2								24	8.3	4	3.2
12	2.1								23	8.2	3.7	2.9
13	1.8								21	8.1	4	2.8
14	1.8								19	7.8	3.8	2.9
15	1.9								17	7.4	4.2	2.7
16	2.1								16	6.9	3.7	2.7
17	1.9								16	6.4	3.4	2.8
18	1.9								16	5.9	3.2	2.8
19	2.3								16	5.7	3	2.6
20	2.3								16	5.5	3.2	2.5
21	1.7								16	5.4	3.3	2.5
22	1.7							21	16	5.1	3.2	2.5
23	2.5							22	15	5.3	3.1	2.5
24	2.3							23	15	5.1	2.8	2.5
25	2							24	15	4.8	2.8	2.5
26								26	15	4.8	2.8	2.5
27								30	15	4.7	2.7	2.5
28								30	13	4.5	2.7	2.4
29								30	13	4.3	2.8	2.4
30								29	12	4.2	2.9	2.4
31								28	---	4	2.9	---
TOTAL	52.3							263	596	220.3	107.6	80.2
MEAN	1.69							8.48	20	7.1	3.5	2.7
AC-FT	104							522	1180	437	213	159
MAX	2.5							30	30	12	5.8	3.3
MIN									12	4	2.7	2.4

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	1319.4	MEAN	3.61	MAX	30	MIN	0	AC-FT	2620

MAX DISCH: 33.1 CFS AT 22:30 ON May. 27, 2001 GH 2.47 FT. SHIFT 0.01 FT.  
MAX GH: 2.47 FT. AT 22:30 ON May. 27, 2001

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



PLATTE RIVER BASIN

06724000 ST. VRAIN CREEK AT LYONS, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--212 mi<sup>2</sup>. Aug. 1887 to Sep. 1891, June 1895 to current year. Monthly only data for some periods. Water quality data available from Oct. 1977 to Feb. 1981.

**GAGE.**--Water-stage recorder with satellite telemetry in timber shelter. The DCP is the primary record with chart recorder as backup. Supplemental outside staff gage.

**REMARKS.**--Primary record is hourly data taken from satellite monitoring with chart back up. The record is complete and reliable. The record is good. Station maintained and record developed by Merlin Friedrichsen.

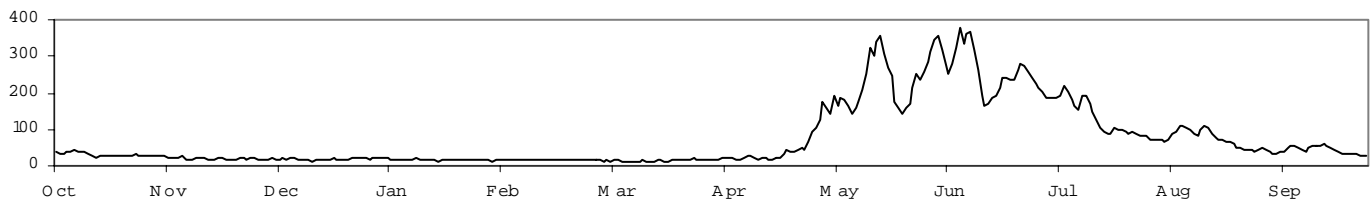
**RATING TABLE.**--SVCLYOCO22 USED FROM 01-OCT-2000 TO 09-OCT-2000

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	23	18	20	19	15	16	125	311	214	69	47
2	33	20	18	19	17	13	18	173	343	202	69	42
3	35	24	21	18	17	14	18	159	358	186	70	36
4	36	24	19	18	17	13	21	145	319	189	69	33
5	41	29	21	16	18	16	22	191	275	187	68	31
6	42	19	20	17	16	15	22	166	254	184	70	36
7	41	16	18	17	15	13	20	184	279	193	86	36
8	37	18	16	19	17	13	19	183	325	217	91	49
9	37	21	16	21	16	13	17	163	376	204	112	54
10	34	21	16	17	15	13	20	145	334	180	110	53
11	26	21	13	16	16	13	27	159	359	164	106	49
12	24	16	17	18	17	13	26	177	365	154	96	43
13	26	15	19	18	16	14	20	206	319	192	86	41
14	26	18	18	16	15	13	19	252	265	190	84	49
15	25	20	17	12	16	12	21	324	191	171	97	55
16	27	21	16	18	15	13	21	303	162	148	111	57
17	27	18	20	19	15	14	18	341	171	126	105	55
18	26	18	19	18	16	14	19	354	188	106	89	59
19	27	18	17	16	16	13	20	307	192	93	76	55
20	26	18	16	16	15	13	23	271	214	89	71	49
21	27	20	15	17	16	15	31	246	240	89	72	44
22	30	20	20	18	15	14	43	175	243	102	66	38
23	31	19	20	17	15	15	36	157	237	98	64	34
24	30	21	21	17	17	17	39	145	234	98	59	33
25	28	21	22	16	16	17	43	161	261	94	52	31
26	28	19	23	16	16	19	48	169	281	90	49	31
27	27	19	19	16	16	20	44	213	276	94	46	31
28	27	19	20	16	16	18	64	250	257	90	46	30
29	27	18	20	15	---	17	91	238	241	82	44	29
30	25	22	23	13	---	16	105	259	226	82	40	30
31	26	---	21	16	---	16	---	286	---	83	44	---
TOTAL	941	596	579	526	451	454	951	6627	8096	4391	2317	1260
MEAN	30	20	19	17	16	15	32	214	270	142	75	42
AC-FT	1870	1180	1150	1040	895	901	1890	13140	16060	8710	4600	2500
MAX	42	29	23	21	19	20	105	354	376	217	112	59
MIN	24	15	13	12	15	12	16	125	162	82	40	29
CAL YR 2000	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC-FT	0	
WTR YR 2001	TOTAL		27189	MEAN	74.5	MAX	376	MIN	12	AC-FT	53930	

MAX DISCH: 400 CFS AT 03:15 ON May. 18, 2001 GH 4.38 FT. SHIFT -0.05 FT.  
MAX GH: 4.38 FT. AT 03:15 ON May. 18, 2001

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



## PLATTE RIVER BASIN

06725500 MIDDLE BOULDER CREEK AT NEDERLAND, CO

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

**DRAINAGE AREA.**--36.2 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder in wooden shelter with concrete well at a compound sharp-crested weir. DCP is the primary record with chart recorder as backup.

**REMARKS.**--Record is complete and reliable, except for the following periods when the stage-discharge relation was affected by ice: January: 9, 11-14; February: 1-5, 9, 20, 25-28; March: 2-5, 11-19. The record is good, except for the flow listed above, which were estimated. Station maintained by Public Service Co and record developed by M.L. Cunning.

**RATING TABLE.**--BOCMIDCO07 USED FROM 01-OCT-2000 TO 30-SEP-2001

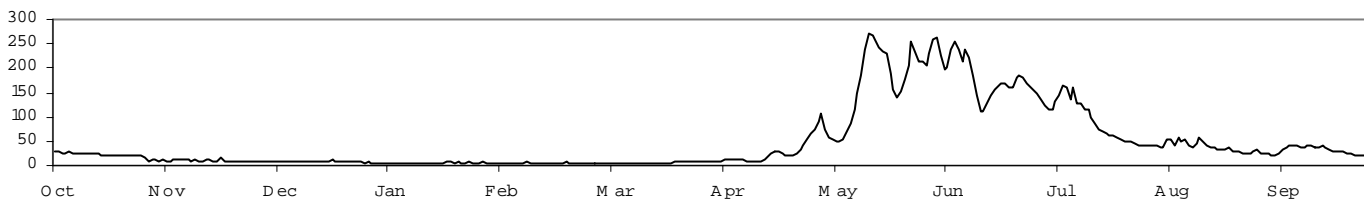
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	6.4	7.5	6.1	4.8	4.6	7.2	91	229	146	41	26
2	27	10	7.5	5.9	4.8	4.6	7	107	260	136	41	26
3	26	14	7.3	5.8	4.8	4.5	7.4	72	263	122	40	23
4	26	13	6.9	5.9	4.8	4.4	10	58	228	117	38	22
5	27	12	7.1	5.8	4.8	4.3	12	52	196	117	38	20
6	26	11	7.4	5.6	4.8	4.3	12	50	203	132	55	25
7	25	12	6.3	5.5	4.9	4.5	11	49	239	143	52	34
8	24	10	6.4	6	4.7	4.7	11	55	253	163	43	39
9	25	11	6.4	5.5	6.5	4.8	11	71	239	161	58	40
10	24	9.6	6.5	5.1	5	4.5	11	87	215	137	50	41
11	24	9	6.8	4.4	5.6	4.5	10	115	237	159	55	41
12	23	11	9.7	4.6	5.2	4.6	9.2	149	222	127	43	39
13	23	12	6.3	4.2	4.6	4.7	9	186	184	129	39	38
14	22	10	6.4	4.6	4.4	4.8	9	238	144	115	46	43
15	21	8.5	6.6	4.5	4.8	4.9	9.4	272	111	114	56	40
16	22	16	8.3	5.2	4.9	5	11	268	111	100	49	37
17	21	8.4	12	5.9	4.5	5.1	15	258	129	85	43	38
18	21	9.3	6.6	6.5	4.8	5.2	24	243	145	72	38	40
19	21	9.2	6.5	6.4	4.7	5.3	30	233	157	69	35	37
20	20	10	6.4	5.9	7.3	5.4	29	232	166	64	34	33
21	20	9	7.8	6.3	4.6	6.1	23	189	168	63	34	30
22	20	8.8	6.5	6.1	5.2	6.6	19	156	168	60	31	29
23	22	6.7	6.4	5.8	4.9	6.5	21	141	162	57	35	28
24	21	6.4	6.4	6.6	4.5	6.8	21	154	161	54	30	27
25	20	6.3	6.2	5.7	4.5	7.1	26	178	182	51	28	25
26	15	6.9	5.9	5	4.5	7.9	33	205	184	50	27	23
27	10	6.9	6.2	5.7	4.6	7	41	253	179	51	26	21
28	11	7.7	5.8	6.2	4.6	7.2	52	235	167	46	25	19
29	11	8.6	6	5.4	---	6.4	66	212	159	43	25	19
30	10	8.1	5.8	5.2	---	6.5	74	213	153	40	28	19
31	11	---	5.9	4.8	---	6.4	---	205	---	40	31	---
TOTAL	648	287.8	213.8	172.2	138.1	169.2	631.2	5027	5614	2963	1214	922
MEAN	21	9.6	6.9	5.5	4.9	5.5	21	162	187	96	39	31
AC-FT	1290	571	424	342	274	336	1250	9970	11140	5880	2410	1830
MAX	29	16	12	6.6	7.3	7.9	74	272	263	163	58	43
MIN	10	6.3	5.8	4.2	4.4	4.3	7	49	111	40	25	19

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 18000.3 MEAN 49.3 MAX 272 MIN 4.2 AC-FT 35700

MAX DISCH: 325 CFS AT 20:00 ON May. 14, 2001 GH 2.67 FT. SHIFT -0.03 FT.  
MAX GH: 2.67 FT. AT 20:00 ON May. 14, 2001

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



PLATTE RIVER BASIN

06727000 BOULDER CREEK NEAR ORODELL, CO

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

**DRAINAGE AREA.**--102 mi².

**GAGE.**--Water-stage recorder with satellite telemetry and shaft encoder in a 6'X6' concrete shelter. The DCP is the primary record with chart recorder as backup.

**REMARKS.**--Record is complete. It is reliable, except for days when the stage-discharge relation was affected by ice during part or all of the day. Also, a clogged low flow inlet affected the stilling well's return to base flow levels following the rapid decrease in stage during the hydro plant's daily shutdown. These days are included in the following list: November 28 - December 31, 2000; January 1 - March 4, 2001. The ice gets washed away by early evening releases of 60-70 cfs from the Boulder Hydro plant located a few hundred yards upstream. Record is good, except for the period November 28, 2000 through March 4, which is fair. Station maintained and record developed by M.L. Cunning.

**RATING TABLE.**--BOCOROC013 USED FROM 01-OCT-2000 TO 30-SEP-2001

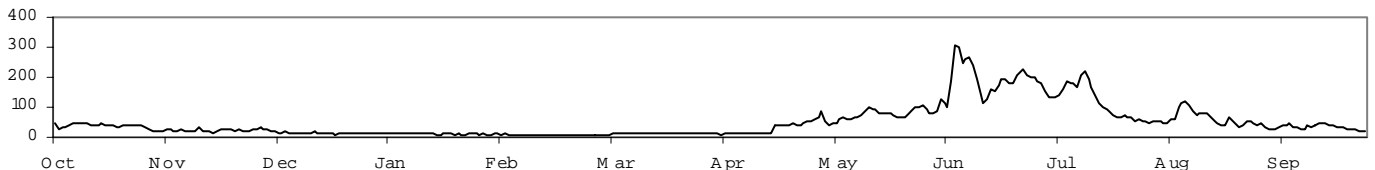
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	24	23	12	12	5	13	64	83	186	50	45
2	29	29	15	13	10	7.5	13	85	80	180	53	34
3	35	21	16	13	11	6.9	13	55	85	151	55	30
4	32	23	18	12	9.7	4.5	10	42	124	131	53	29
5	42	25	14	13	7.2	11	11	45	111	131	48	29
6	47	20	15	11	7.2	15	14	47	102	134	50	32
7	45	19	13	12	7.5	11	16	57	190	143	61	39
8	44	17	14	12	6.9	11	16	64	305	163	61	42
9	46	23	13	12	7.2	11	16	58	300	190	100	47
10	44	31	12	11	7.8	13	16	58	244	177	116	35
11	42	22	11	13	6.3	11	16	69	257	177	121	31
12	40	20	17	11	7.8	11	13	69	266	170	104	28
13	42	19	16	11	6.3	12	11	71	240	208	85	29
14	46	15	11	11	5.7	12	11	85	193	220	71	39
15	41	22	11	10	5.5	11	11	102	143	193	78	34
16	39	26	11	10	6.6	11	11	91	116	170	78	40
17	39	27	11	11	4.5	11	11	91	124	143	80	46
18	35	27	10	11	4.5	11	15	80	157	111	67	48
19	36	26	11	12	6.9	11	38	80	151	100	52	47
20	38	19	12	10	4.5	13	42	78	173	93	46	42
21	37	29	13	12	4.7	13	40	78	193	89	41	39
22	38	23	13	10	7.8	14	42	71	193	72	40	34
23	39	23	12	9.7	8.5	14	41	66	183	64	64	31
24	38	21	11	11	7.2	13	44	64	183	67	55	34
25	38	27	13	11	6.9	13	38	67	204	76	47	30
26	36	26	13	11	6.6	13	37	81	216	67	36	28
27	25	31	15	10	8.5	13	47	87	227	67	37	25
28	23	25	14	11	7.5	13	53	98	204	53	53	23
29	21	27	16	9.7	---	12	53	102	201	58	51	22
30	23	22	14	8.2	---	12	58	104	201	52	44	21
31	23	---	12	11	---	13	---	91	---	53	41	---
TOTAL	1150	709	420	345.6	202.8	352.9	770	2300	5449	3889	1938	1033
MEAN	37	24	14	11.1	7.2	11.4	26	74	182	125	63	34
AC-FT	2280	1410	833	685	402	700	1530	4560	10810	7710	3840	2050
MAX	47	31	23	13	12	15	58	104	305	220	121	48
MIN	21	15	10	8.2	4.5	4.5	10	42	80	52	36	21

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 18559.3 MEAN 50.8 MAX 305 MIN 4.5 AC-FT 36810

MAX DISCH: 330 CFS AT 05:45 ON Jun. 8, 2001 GH 3.14 FT. SHIFT -0.03 FT.  
MAX GH: 3.14 FT. AT 05:45 ON Jun. 8, 2001

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



PLATTE RIVER BASIN

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

**LOCATION.**--Lat 39°56'19", long 105°20'55", SW¼ sec. 21, T.1 S., R.71 W., Boulder County. Measures releases from Gross Reservoir; which is filled by South Boulder Creek and transmountain diversions from Moffat Tunnel.

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

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

**REMARKS.**--Record is complete and reliable. The record is good. Record developed by M. L. Cunning.

**RATING TABLE.**--STD25FTPF USED FROM 01-OCT-2000 TO 14-OCT-2001

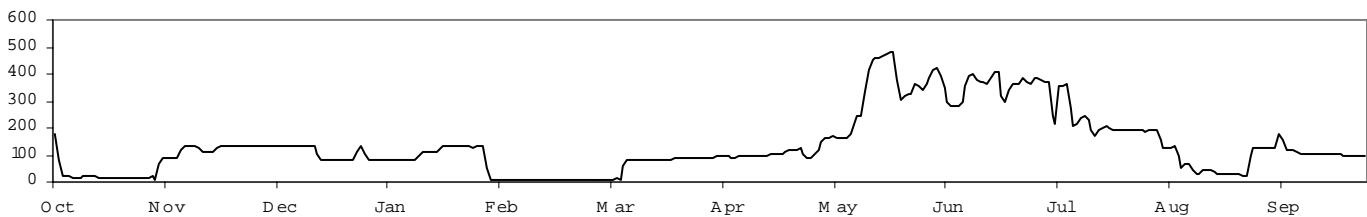
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	89	133	84	6.5	5.5	90	122	383	387	189	124
2	80	89	133	84	6.6	5.6	91	147	414	377	189	124
3	23	89	134	84	6.6	5.6	93	162	421	371	189	123
4	23	88	134	84	6.6	5.6	93	166	394	368	152	123
5	19	119	136	84	5.7	5.5	93	167	347	248	129	123
6	15	137	137	84	5.5	15	93	164	297	217	129	178
7	15	137	137	84	5.6	5.6	92	164	279	352	129	158
8	15	137	137	84	5.6	61	92	164	280	352	135	117
9	20	137	137	84	5.6	80	95	164	282	365	100	116
10	24	123	137	100	5.1	80	96	175	294	276	54	121
11	24	114	137	108	5	80	96	221	359	207	64	111
12	21	113	136	108	5	82	97	245	396	217	66	101
13	17	112	104	108	5.1	83	98	245	397	238	48	102
14	15	112	83	108	5.4	83	98	332	375	247	33	102
15	15	127	82	108	5	83	98	416	368	228	31	102
16	15	136	82	123	5	83	98	449	373	193	42	102
17	15	136	82	132	5	83	98	461	361	174	45	102
18	15	136	82	132	5	83	104	461	387	190	43	102
19	15	136	81	132	5	83	107	469	405	203	38	102
20	15	135	82	130	5	83	107	477	410	204	32	103
21	15	133	83	130	5	83	107	478	322	198	29	104
22	15	133	83	130	5	86	108	480	293	194	30	104
23	15	132	83	130	5	87	115	377	343	194	30	104
24	15	132	114	130	5.2	87	120	306	361	195	29	100
25	15	133	134	129	5.1	87	120	320	361	195	29	98
26	15	132	105	130	5.3	87	124	325	361	196	29	98
27	15	132	85	130	5.6	87	104	327	384	195	23	98
28	22	130	84	130	5.6	90	92	360	374	194	19	94
29	9.3	133	84	55	---	92	92	356	364	195	94	94
30	66	134	84	6.5	---	91	102	341	386	190	124	95
31	89	---	84	6.3	---	91	---	363	---	188	124	---
TOTAL	867.3	3726	3329	3151.8	151.7	2063.4	3013	9404	10771	7548	2397	3325
MEAN	28	124	107	102	5.4	66.6	100	303	359	243	77	111
AC-FT	1720	7390	6600	6250	301	4090	5980	18650	21360	14970	4750	6600
MAX	175	137	137	132	6.6	92	124	480	421	387	189	178
MIN	9.3	88	81	6.3	5	5.5	90	122	279	174	19	94

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	49747.2	MEAN	136	MAX	480	MIN	5	AC-FT	98670

MAX DISCH: 481 CFS AT 20:30 ON May. 20, 2001 GH 2.74 FT. SHIFT 0.02 FT.  
MAX GH: 2.74 FT. AT 20:30 ON May. 20, 2001

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



PLATTE RIVER BASIN

SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS, CO

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

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

**GAGE.**--Graphic water-stage recorder at 12' Parshall flume in a timber shelter and concrete well with supplemental outside staff gage. Satellite monitoring installed Apr. 24, 1998 and DCP data is primary record with chart as back up. Station is owned and maintained by Denver Water Board personnel.

**REMARKS.**--DCP record was incomplete and giving false reading of 2.22 from January 6 through May 16, 2001; also May 16 - May 21 the 15 minute data was reading a false reading approximately every 3<sup>rd</sup> reading. Chart data was used to fill in these periods of bad DCP readings. Chart record was complete. The record is good. Record developed by M.L.Cunning.

**RATING TABLE.**--BOSDELCO02 USED FROM 01-OCT-2000 TO 30-SEP-2001

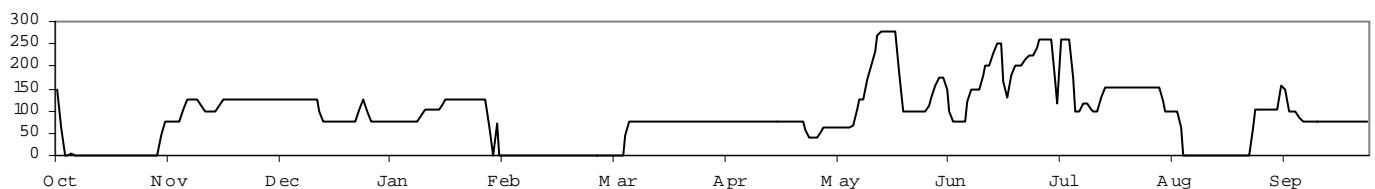
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	75	126	75	0	0	76	52	128	261	152	103
2	62	75	126	75	0	0	76	61	155	261	152	103
3	.09	75	126	75	0	0	76	61	175	261	152	103
4	.09	75	126	75	0	0	76	61	175	261	122	103
5	3.7	103	127	75	0	0	76	61	148	165	100	103
6	.09	126	127	75	0	0	76	61	97	116	100	155
7	.09	126	127	75	0	0	76	61	75	261	100	146
8	.09	126	126	75	0	46	76	61	75	261	100	100
9	.09	126	126	75	0	75	76	61	75	261	63	99
10	.05	111	125	91	0	76	76	69	76	175	.16	99
11	.03	100	124	101	0	76	76	105	119	100	.14	85
12	.03	99	124	101	0	76	76	124	150	100	.07	75
13	0	99	97	101	0	76	76	124	150	115	.03	75
14	0	100	74	101	0	76	76	168	150	117	.05	75
15	0	114	75	101	0	76	76	200	179	104	.12	75
16	0	126	74	116	0	76	76	232	202	99	.09	75
17	0	126	75	127	0	76	76	267	201	100	.08	75
18	0	126	75	127	0	76	76	277	228	128	.02	75
19	0	126	74	127	0	76	76	277	251	151	0	75
20	0	126	75	127	0	76	76	277	251	151	0	75
21	0	126	75	127	0	76	76	277	166	151	0	75
22	0	126	74	127	0	76	76	277	129	151	0	75
23	0	126	75	127	0	76	76	184	181	151	0	75
24	0	126	103	127	0	76	76	98	202	151	0	75
25	0	126	126	126	0	76	76	98	201	151	0	75
26	0	126	98	126	0	76	76	98	200	151	0	75
27	0	126	74	126	0	76	56	98	214	151	0	74
28	0	126	74	126	0	76	41	98	224	151	0	74
29	0	126	75	65	---	76	41	98	224	151	63	74
30	45	126	75	.15	---	76	41	99	244	152	102	74
31	75	---	75	70	---	76	---	114	---	152	103	---
TOTAL	336.35	3420	3053	3042.15	0	1793	2155	4199	5045	5111	1309.76	2620
MEAN	10.9	114	99	98.1	0	57.8	72	135	168	165	42.3	87
AC-FT	667	6780	6060	6030	0	3560	4270	8330	10010	10140	2600	5200
MAX	150	126	127	127	0	76	76	277	251	261	152	155
MIN	0	75	74	.15	0	0	41	52	75	99	0	74

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	32084.26	MEAN	87.9	MAX	277	MIN	0	AC-FT	63640

MAX DISCH: 278 CFS AT 21:00 ON May. 21, 2001 GH 3.05 FT. SHIFT 0 FT.  
MAX GH: 3.05 FT. AT 21:00 ON May. 21, 2001

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



## PLATTE RIVER BASIN

06729500 SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, CO

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

**DRAINAGE AREA.**--109 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry and shaft encoder in metal box shelter with supplemental outside chain gage. DCP is the primary record with chart recorder as backup.

**REMARKS.**--Record is complete and reliable except for the following periods: December 21 - December 28: Stage recorder may have slipped off track. December 28 - March 14: Station closed for winter. Chart record had a slow clock, which had to be adjusted at visits. The record is good, except for the following days which were estimated: December 21 - 28. Station maintained and record developed by M.L.Cunning.

**RATING TABLE.**--BOCELSCO22 USED FROM 01-OCT-2000 TO 30-SEP-2001

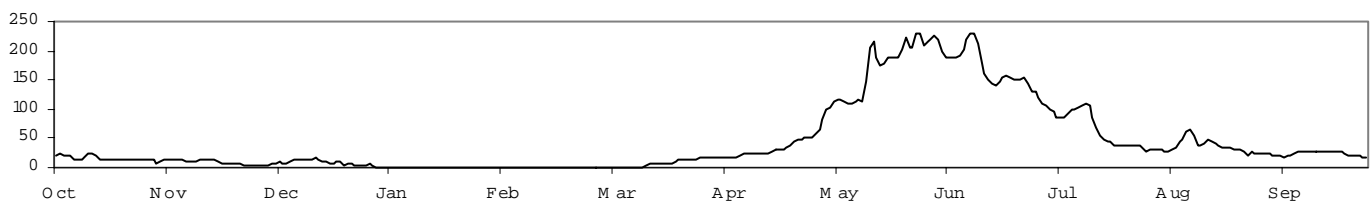
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	13	6.4	0	0	0	16	66	219	119	30	23
2	25	13	9.2	0	0	0	16	81	227	111	31	23
3	22	13	6.9	0	0	0	17	98	219	106	31	23
4	22	13	6.9	0	0	0	17	104	200	101	30	22
5	22	12	9.9	0	0	0	17	114	187	95	29	22
6	15	10	13	0	0	0	18	115	187	84	29	20
7	15	10	13	0	0	0	17	115	189	85	30	18
8	15	10	13	0	0	0	17	112	190	84	35	21
9	18	9.9	13	0	0	0	19	109	192	92	45	19
10	23	12	13	0	0	0	23	109	203	98	49	23
11	23	14	13	0	0	0	24	114	219	100	60	28
12	21	14	18	0	0	0	23	115	228	104	66	28
13	14	13	13	0	0	0	23	114	230	105	54	29
14	14	12	11	0	0	2.6	24	148	212	111	37	29
15	14	10	8.8	0	0	6.9	24	205	177	107	36	27
16	14	8.4	8.4	0	0	6.9	24	215	160	86	42	27
17	14	8.5	7.8	0	0	7.2	23	187	151	67	48	27
18	14	8.2	10	0	0	7	27	173	145	54	45	27
19	14	7.9	11	0	0	6.9	31	179	142	47	42	27
20	14	7.5	4.3	0	0	7	32	188	146	46	36	27
21	14	5.6	5.9	0	0	7.2	32	189	153	43	33	27
22	14	3.5	7.2	0	0	11	34	190	157	39	33	27
23	14	3.5	3	0	0	13	39	190	153	39	33	27
24	14	3.5	2.7	0	0	13	46	201	149	39	32	25
25	14	3.2	2.7	0	0	13	47	222	150	38	32	22
26	14	3.1	5.1	0	0	14	49	206	150	38	32	22
27	14	3.1	8.4	0	0	13	53	206	155	37	28	22
28	14	2.8	4.6	0	0	15	52	231	144	37	22	19
29	7.5	5	0	0	---	17	50	228	131	36	26	16
30	11	7.1	0	0	---	17	58	209	130	32	25	16
31	14	---	0	0	---	17	---	216	---	29	24	---
TOTAL	499.5	259.8	249.2	0	0	194.7	892	4949	5295	2209	1125	713
MEAN	16.1	8.7	8.04	0	0	6.28	30	160	177	71	36	24
AC-FT	991	515	494	0	0	386	1770	9820	10500	4380	2230	1410
MAX	25	14	18	0	0	17	58	231	230	119	66	29
MIN	7.5	2.8	0	0	0	0	16	66	130	29	22	16

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	16386.2	MEAN	44.9	MAX	231	MIN	0	AC-FT	32500

MAX DISCH: 261 CFS AT 12:45 ON May. 28, 2001 GH 2.71 FT. SHIFT 0.08 FT.  
MAX GH: 2.71 FT. AT 12:45 ON May. 28, 2001

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





PLATTE RIVER BASIN

06730300 COAL CREEK NEAR PLAINVIEW, CO

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

DRAINAGE AREA AND PERIOD OF RECORD.--15.1 mi<sup>2</sup>; 1959 to present.

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

REMARKS.--Hourly data from the DCP is the primary record, with the recorder as back up. DCP record is complete and reliable except for the following dates where no DCP data or chart data was recorded. December 16 through December 28, 2000 (NO DATA). The record is good except for the days listed above, which were estimated. The Coal Creek gage is generally closed during the winter and may be a partial year record. Station maintained and record developed by M. L. Cunning.

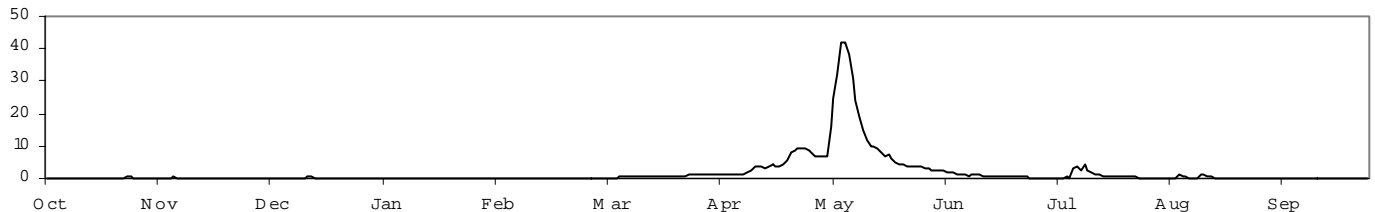
RATING TABLE.--COCREPCO08 USED FROM 01-OCT-2000 TO 17-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.13	.23	.17	.15	.1	.19	1.1	6.8	2.8	.19	.19	.01
2	.09	.26	.16	.15	.07	.19	1.2	6.6	2.4	.15	.17	0
3	.07	.28	.18	.13	.07	.19	1.3	6.6	2.2	.11	.13	0
4	.07	.3	.19	.13	.08	.19	1.3	6.8	2.3	.1	.11	0
5	.13	.33	.18	.14	.1	.2	1.4	16	2.3	.08	.09	0
6	.18	.3	.19	.16	.1	.24	1.3	25	1.8	.06	.08	.01
7	.27	.23	.24	.16	.1	.28	1.1	32	1.7	.07	.07	.01
8	.29	.23	.25	.16	.15	.32	1	42	1.6	.11	.06	.07
9	.29	.21	.27	.17	.1	.34	.96	42	1.4	.31	1	.17
10	.25	.19	.27	.13	.13	.38	1	38	1.2	.25	.39	.28
11	.2	.2	.29	.13	.15	.35	1.1	31	1	3.1	.55	.18
12	.16	.19	.39	.13	.15	.35	1.9	24	.92	3.6	.29	.14
13	.16	.21	.47	.1	.16	.4	2.5	19	1.3	2.7	.28	.12
14	.16	.18	.26	.18	.14	.43	3.5	15	1.5	4.2	.28	.22
15	.16	.16	.19	.22	.15	.37	3.9	12	1.1	2.5	1.1	.23
16	.16	.16	0	.1	.14	.36	3.5	10	.84	1.7	1.1	.23
17	.16	.19	0	.06	.13	.37	3	9.7	.76	1.2	.69	.2
18	.16	.2	0	.07	.14	.36	3.5	9	.58	.93	.38	.25
19	.16	.15	0	.1	.13	.38	4.1	7.8	.54	.79	.22	.19
20	.16	.15	0	.11	.13	.48	3.8	7	.59	.68	.17	.14
21	.16	.15	0	.1	.13	.61	3.6	7.3	.52	.56	.12	.11
22	.2	.16	0	.11	.13	.74	4.3	6	.46	.42	.09	.09
23	.31	.17	0	.1	.14	.81	5.8	5.2	.46	.37	.08	.09
24	.31	.17	0	.11	.16	.73	8.2	4.6	.36	.46	.06	.07
25	.29	.16	0	.12	.16	.66	8.8	4.3	.32	.44	.06	.05
26	.27	.16	0	.12	.16	.84	9.3	4	.38	.36	.04	.04
27	.26	.17	0	.1	.16	1.1	9.2	3.9	.65	.42	.03	.04
28	.24	.16	0	.09	.22	1	9.1	4	.37	.35	.02	.03
29	.24	.16	.17	.09	---	.97	8.5	3.8	.3	.3	.02	.03
30	.19	.18	.23	.07	---	.97	7.6	3.4	.23	.24	.02	.04
31	.22	---	.13	.09	---	1.1	---	3.2	---	.21	.01	---
TOTAL	6.1	5.99	4.23	3.78	3.68	15.9	116.86	416	32.88	26.96	7.9	3.04
MEAN	.2	.2	.14	.12	.13	.51	3.9	13.4	1.1	.87	.25	.1
AC-FT	12	12	8.4	7.5	7.3	32	232	825	65	53	16	6
MAX	.31	.33	.47	.22	.22	1.1	9.3	42	2.8	4.2	1.1	.28
MIN	.07	.15	0	.06	.07	.19	.96	3.2	.23	.06	.01	0
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	643.32	MEAN	1.76	MAX	42	MIN	0	AC-FT	1280		

MAX DISCH: 45.8 CFS AT 18:45 ON May. 8, 2001 GH 1.19 FT. SHIFT 0.07 FT.  
MAX GH: 1.19 FT. AT 20:45 ON May. 7, 2001

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



## PLATTE RIVER BASIN

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

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--976 mi<sup>2</sup>; 1927 to present.

**GAGE.**--Graphic water-stage recorder with satellite monitoring DCP in a 54 inch metal pipe shelter and well. Station reconstructed April 1996. Data collection platform is the primary record with graphic chart as backup.

**REMARKS.**--The primary record is hourly satellite data. Daily maximum and minimum stages for the satellite record checked to within ± 0.02 with the chart. The record is complete and reliable except for the following periods when inlets were plugged: November 15, June 25-27, Aug. 28-30, Sep. 24-25. The record is good. Station maintained and record developed by Brent Schantz.

**RATING TABLE.**--SVCPLACO25 USED FROM 01-OCT-2000 TO 30-SEP-2001

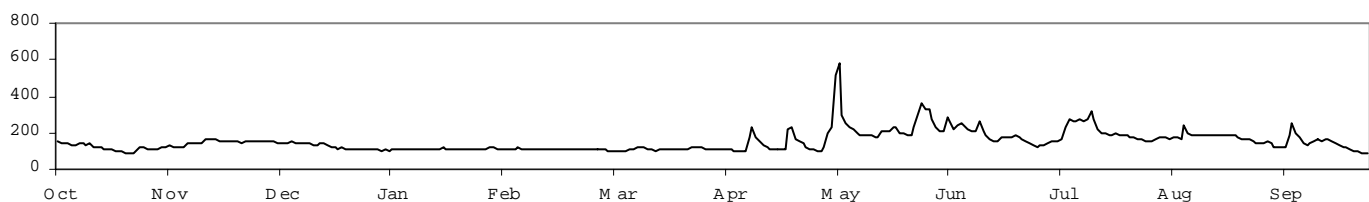
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	132	146	104	110	110	110	102	278	127	150	145
2	147	119	147	105	111	105	106	120	233	134	162	150
3	144	119	143	106	113	103	105	199	210	142	176	142
4	139	116	145	108	110	102	107	232	206	149	179	124
5	133	122	151	107	113	102	106	511	288	149	175	118
6	136	141	139	109	116	102	106	584	264	152	167	117
7	139	140	145	109	114	102	102	298	224	163	176	120
8	137	147	140	105	108	104	102	256	243	235	177	186
9	132	147	138	110	108	105	99	234	247	272	168	257
10	137	139	140	111	109	106	99	220	233	267	240	192
11	126	160	135	112	111	117	171	199	216	258	194	170
12	117	162	130	110	111	120	235	187	213	270	185	144
13	116	165	137	112	111	119	173	181	211	262	184	136
14	110	166	137	112	110	112	151	184	260	278	184	142
15	105	149	130	110	107	106	132	181	213	322	186	156
16	109	151	120	116	108	104	119	177	190	275	188	159
17	102	154	117	110	109	107	110	172	165	214	187	157
18	96	155	113	113	107	112	108	205	155	196	187	161
19	94	155	117	111	108	106	110	203	156	201	187	162
20	92	155	115	114	112	106	105	208	173	191	187	151
21	90	146	109	109	113	105	109	232	177	189	188	143
22	93	157	113	109	110	107	216	232	173	192	186	134
23	115	153	113	115	112	107	229	201	175	190	183	121
24	120	150	106	112	111	107	167	195	190	184	185	117
25	117	149	108	115	107	108	152	184	180	181	178	105
26	110	149	108	115	106	117	140	184	165	179	168	97
27	109	150	110	115	108	126	126	227	149	175	166	95
28	111	157	112	115	105	124	113	291	141	169	161	91
29	114	150	111	118	---	117	110	361	131	163	149	93
30	118	151	104	119	---	112	102	331	125	158	137	92
31	119	---	107	112	---	112	---	325	---	151	140	---
TOTAL	3684	4406	3886	3448	3078	3392	3920	7416	5984	6188	5480	4177
MEAN	119	147	125	111	110	109	131	239	199	200	177	139
AC-FT	7310	8740	7710	6840	6110	6730	7780	14710	11870	12270	10870	8290
MAX	157	166	151	119	116	126	235	584	288	322	240	257
MIN	90	116	104	104	105	102	99	102	125	127	137	91

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	55059	MEAN	151	MAX	584	MIN	90	AC-FT	109200

MAX DISCH: 744 CFS AT 06:00 ON May 06, 2001 GH 2.99 FT. SHIFT 0.11 FT.  
MAX GH: 2.99 FT. AT 06:00 ON May 06, 2001

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



PLATTE RIVER BASIN

WIND RIVER NEAR ESTES PARK, CO

LOCATION.--Lat 40°19'38", long 105°34'53"

DRAINAGE AREA.--N/A

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

REMARKS.--The record is hourly satellite data with chart back-up. This is a partial year record station operated as part of the Colorado Big Thompson Project. The record is good, except for November 5 & 6, which were estimated. Stream flows are affected by diversions above the station amounting to approximately 300 AF per water year. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--WINDESCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	.56	-	-	-	-	-	1.1	3.1	2.3	.73	.48
2	.46	.56	-	-	-	-	-	1.2	3.2	2.2	.73	.46
3	.47	.58	-	-	-	-	-	1.1	3.3	2.1	.68	.46
4	.46	.83	-	-	-	-	-	1.1	3.5	2	.64	.46
5	.49	.52	-	-	-	-	-	1.1	3.4	1.9	.6	.45
6	.46	.52	-	-	-	-	-	1.2	3.6	1.9	.81	.46
7	.41	.5	-	-	-	-	-	1.4	3.6	1.9	.73	.53
8	.41	-	-	-	-	-	-	1.8	3.7	1.9	.75	.63
9	.41	-	-	-	-	-	-	2	3.7	1.7	.79	.65
10	.43	-	-	-	-	-	-	2.3	3.7	1.6	.79	.6
11	.46	-	-	-	-	-	-	2.3	3.7	1.5	.74	.59
12	.49	-	-	-	-	-	-	2.3	3.8	1.6	.76	.58
13	.49	-	-	-	-	-	-	2.4	4	1.8	.68	.57
14	.5	-	-	-	-	-	-	2.4	3.9	1.6	.67	.6
15	.49	-	-	-	-	-	-	2.5	3.8	1.3	.69	.59
16	.48	-	-	-	-	-	.4	2.6	3.7	1.3	.67	.56
17	.48	-	-	-	-	-	.42	2.9	3.6	1.2	.6	.65
18	.48	-	-	-	-	-	.44	2.7	3.6	1.1	.57	.6
19	.5	-	-	-	-	-	.47	2.8	3.5	1.1	.54	.56
20	.49	-	-	-	-	-	.43	2.9	3.4	1	.59	.55
21	.49	-	-	-	-	-	.41	2.9	3.2	1	.58	.53
22	.52	-	-	-	-	-	1.2	2.8	3.1	.93	.61	.53
23	.5	-	-	-	-	-	.43	2.7	3.1	.95	.6	.47
24	.51	-	-	-	-	-	.5	2.7	3	.93	.5	.46
25	.51	-	-	-	-	-	.67	2.7	2.9	.92	.54	.44
26	.5	-	-	-	-	-	.73	2.7	2.9	.97	.51	.44
27	.5	-	-	-	-	-	.85	2.8	2.7	.89	.54	.49
28	.5	-	-	-	-	-	.97	2.8	2.7	.84	.54	.42
29	.49	-	-	-	---	-	1	2.9	2.5	.79	.51	.42
30	.52	-	-	-	---	-	1.1	2.9	2.3	.75	.55	.48
31	.58	---	-	-	---	-	---	3.1	---	.73	.53	---
TOTAL	14.93	4.07	-	-	-	-	10.02	71.1	100.2	42.7	19.77	15.71
MEAN	.48	.14	-	-	-	-	.33	2.3	3.3	1.38	.64	.52
AC-FT	30	8.1	-	-	-	-	20	141	199	85	39	31
MAX	.58	.83	-	-	-	-	1.2	3.1	4	2.3	.81	.65
MIN	.41	-	-	-	-	-	-	1.1	2.3	.73	.5	.42

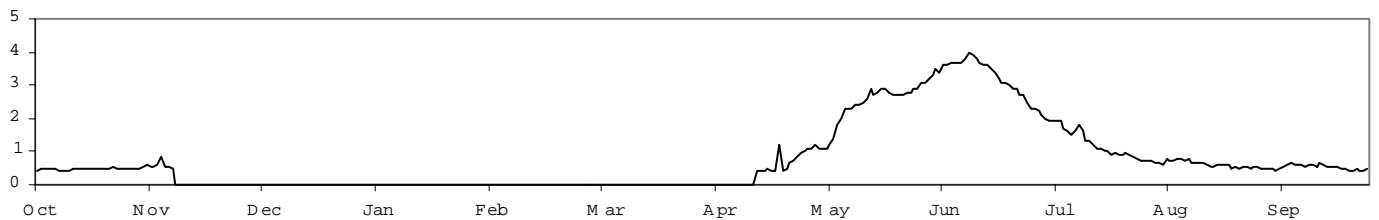
CAL YR 2000

WTR YR 2001 TOTAL 278.5 MEAN .76 MAX 4 MIN - AC-FT 552

MAX DISCH: 4.07 CFS AT 09:00 ON Jun. 13, 2001 GH 0.42 FT. SHIFT 0 FT.

MAX GH: 0.42 FT. AT 09:00 ON Jun. 13, 2001

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



PLATTE RIVER BASIN

WIND RIVER BY-PASS NEAR ESTES PARK, CO.

LOCATION.--Lat 40°19'38", long 105°34'53"

DRAINAGE AREA.--N/A

GAGE.--Satellite Monitoring DCP in a metal shelter with a steel well and drop tape with a one foot cipoletti flume. A Data Collection Platform was the primary record. There is no graphic chart as backup. The DCP was installed in May, 2001.

REMARKS.--For October 1-November 7, 2000 and April 17 to May 8, 2001 record was taken from mean daily chart gage heights of Wind River. For the remainder of the year the record was hourly satellite data. The record is good. Stream flows are affected by diversions to Rams Horn Tunnel for power generation for the USBR. Station maintained and record developed by Merlin Friedrichsen

RATING TABLE.--WINBYPCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

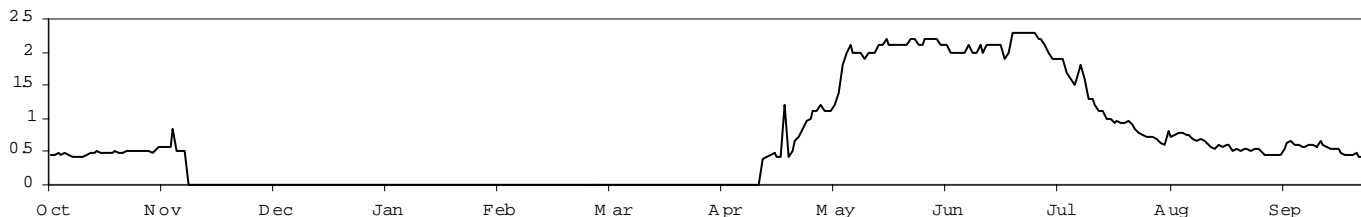
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	.56	-	-	-	-	-	1.1	2.2	2.2	.73	.48
2	.46	.56	-	-	-	-	-	1.2	2.2	2.2	.73	.46
3	.47	.58	-	-	-	-	-	1.1	2.2	2.1	.68	.46
4	.46	.83	-	-	-	-	-	1.1	2.1	2	.64	.46
5	.49	.52	-	-	-	-	-	1.1	2.1	1.9	.6	.45
6	.46	.52	-	-	-	-	-	1.2	2.1	1.9	.81	.46
7	.41	.5	-	-	-	-	-	1.4	2	1.9	.73	.53
8	.41	-	-	-	-	-	-	1.8	2	1.9	.75	.63
9	.41	-	-	-	-	-	-	2	2	1.7	.79	.65
10	.43	-	-	-	-	-	-	2.1	2	1.6	.79	.6
11	.46	-	-	-	-	-	-	2	2	1.5	.74	.59
12	.49	-	-	-	-	-	-	2	2.1	1.6	.76	.58
13	.49	-	-	-	-	-	-	2	2	1.8	.68	.57
14	.5	-	-	-	-	-	-	1.9	2	1.6	.67	.6
15	.49	-	-	-	-	-	-	2	2.1	1.3	.69	.59
16	.48	-	-	-	-	-	.4	2	2	1.3	.67	.56
17	.48	-	-	-	-	-	.42	2	2.1	1.2	.6	.65
18	.48	-	-	-	-	-	.44	2.1	2.1	1.1	.57	.6
19	.5	-	-	-	-	-	.47	2.1	2.1	1.1	.54	.56
20	.49	-	-	-	-	-	.43	2.2	2.1	1	.59	.55
21	.49	-	-	-	-	-	.41	2.1	2.1	1	.58	.53
22	.52	-	-	-	-	-	1.2	2.1	1.9	.93	.61	.53
23	.5	-	-	-	-	-	.43	2.1	2	.95	.6	.47
24	.51	-	-	-	-	-	.5	2.1	2.3	.93	.5	.46
25	.51	-	-	-	-	-	.67	2.1	2.3	.92	.54	.44
26	.5	-	-	-	-	-	.73	2.1	2.3	.97	.51	.44
27	.5	-	-	-	-	-	.85	2.2	2.3	.89	.54	.49
28	.5	-	-	-	-	-	.97	2.2	2.3	.84	.54	.42
29	.49	-	-	-	---	-	1	2.1	2.3	.79	.51	.42
30	.52	-	-	-	---	-	1.1	2.1	2.3	.75	.55	.48
31	.58	---	-	-	---	-	---	2.2	---	.73	.53	---
TOTAL	14.93	4.07	-	-	-	-	10.02	57.8	63.6	42.6	19.77	15.71
MEAN	.48	.14	-	-	-	-	.33	1.9	2.1	1.37	.64	.52
AC-FT	30	8.1	-	-	-	-	20	115	126	84	39	31
MAX	.58	.83	-	-	-	-	1.2	2.2	2.3	2.2	.81	.65
MIN	.41	-	-	-	-	-	-	1.1	1.9	.73	.5	.42

CAL YR 2000  
WTR YR 2001 TOTAL 228.5 MEAN .63 MAX 2.3 MIN - AC-FT 453

MAX DISCH: NOT DETERMINED  
MAX GH: NOT DETERMINED

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



PLATTE RIVER BASIN

06733000 BIG THOMPSON RIVER(above Lake Estes) AT ESTES PARK, CO

**LOCATION.**--Lat 40°22'42", long 105°30'48", in NW¼NW¼ sec. 30, T.5 N., R.72 W., Larimer County on right bank in Estes Park, 600 ft downstream from bridge on State Highways 7 and 66, 900 ft downstream from Black Canyon Creek, and 0.3 mi northwest of Estes Power Plant. Station is upstream from Lake Estes.

**DRAINAGE AREA AND PERIOD OF RECORD.**--137 mi<sup>2</sup>. October 1946 to current year.

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

**REMARKS.**--Primary record is hourly data taken from satellite monitoring with chart as backup. Record is complete and reliable except for the following periods: November 12-14, 2000--Inlets frozen; November 14, 2000 to March 13, 2001--Station was closed for winter; March 13-29, 2001--DCP was off; June 18-19, 2001--inlets were plugged. Record is good, except for November 14--March 13, which is estimated. Station maintained and record developed by Merlin Friedrichsen.

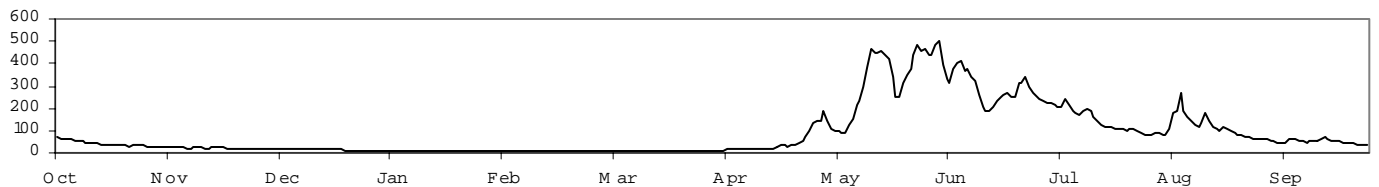
**RATING TABLE.**--BTABESCO09 USED FROM 01-OCT-2000 TO 25-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	24	16	12	9	8	12	146	435	241	85	64
2	63	23	16	12	9	9	12	190	488	229	93	60
3	60	28	15	12	9	9	12	142	503	224	87	56
4	65	27	15	12	9	9	13	111	397	221	81	53
5	60	26	15	12	9	9	15	97	329	211	81	49
6	56	20	15	12	9	9	16	96	316	204	105	49
7	52	18	15	11	9	10	16	91	378	209	176	49
8	50	24	15	11	9	10	16	91	407	240	184	66
9	49	26	15	11	9	10	16	122	411	216	266	62
10	47	25	14	11	9	10	16	156	369	192	189	64
11	45	21	14	11	9	10	17	213	380	176	161	57
12	43	22	14	11	9	10	16	237	339	170	143	50
13	40	23	14	11	9	10	15	295	319	186	125	47
14	37	24	14	11	9	10	15	386	256	196	118	52
15	37	24	14	10	9	8.9	16	468	204	186	133	57
16	38	23	14	10	9	8.9	16	452	189	161	182	55
17	36	22	14	10	9	8.9	16	447	184	143	145	61
18	35	22	14	10	9	8.4	18	461	205	126	120	73
19	34	21	14	10	9	8.4	26	436	237	118	105	67
20	33	21	13	10	9	9.3	33	419	248	115	102	58
21	31	20	13	10	9	9.8	33	341	257	114	114	54
22	32	19	13	10	9	10	25	251	270	111	104	50
23	34	19	13	10	9	11	33	255	251	111	99	48
24	33	18	13	10	9	12	36	314	251	108	88	46
25	33	18	13	9	9	12	45	353	311	101	83	43
26	30	17	13	9	8	12	53	380	316	106	80	42
27	30	17	13	9	8	13	70	439	338	111	72	40
28	30	16	13	9	8	11	95	483	295	101	68	39
29	29	16	13	9	---	11	132	459	271	91	64	37
30	27	16	12	9	---	11	145	462	250	84	64	37
31	28	---	12	9	---	11	---	438	---	82	64	---
TOTAL	1285	640	431	323	249	309.6	999	9231	9404	4884	3581	1585
MEAN	42	21	14	10.4	8.9	10	33	298	313	158	116	53
AC-FT	2550	1270	855	641	494	614	1980	18310	18650	9690	7100	3140
MAX	68	28	16	12	9	13	145	483	503	241	266	73
MIN	27	16	12	9	8	8	12	91	184	82	64	37
CAL YR 2000	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC-FT	0	
WTR YR 2001	TOTAL	32921.6	MEAN	90.2	MAX	503	MIN	8	AC-FT	65300		

MAX DISCH: 612 CFS AT 01:30 ON Jun. 3, 2001 GH 4.33 FT. SHIFT 0.04 FT.  
MAX GH: 4.33 FT. AT 01:30 ON Jun. 3, 2001

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



## PLATTE RIVER BASIN

06734500 FISH CREEK NEAR ESTES PARK, CO

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

DRAINAGE AREA AND PERIOD OF RECORD.--16.9 mi<sup>2</sup>; 1946 to present.

GAGE.--Graphic water-stage recorder with satellite telemetry at 5' Parshall flume. DCP is primary record with chart recorder as backup.

REMARKS.--The primary record is hourly data from satellite monitoring with chart back up. The record is complete and reliable except for the following periods: November 6, when the gage height was ice-affected; November 7, 2000 to April 17, 2001, when the station was closed for the winter. The record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--FISHESCO06 USED FROM 01-OCT-2000 TO 30-SEP-2001

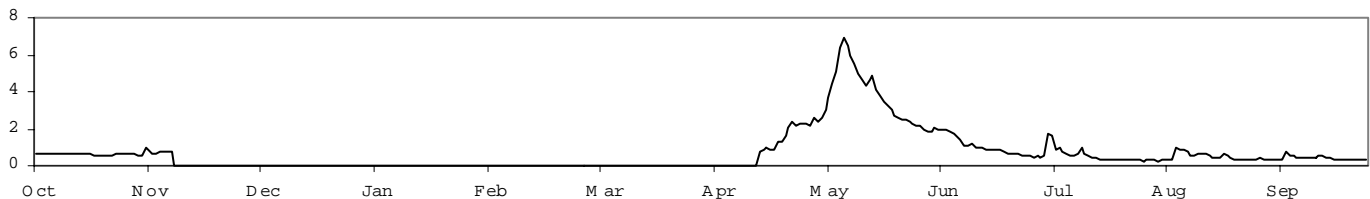
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.61	.76	-	-	-	-	-	2.2	2	.46	.29	.4
2	.6	.69	-	-	-	-	-	2.6	1.8	.52	.29	.32
3	.6	.69	-	-	-	-	-	2.4	1.8	.44	.28	.3
4	.6	.78	-	-	-	-	-	2.6	2.1	.5	.26	.29
5	.6	.72	-	-	-	-	-	3	2	1.7	.31	.29
6	.6	.75	-	-	-	-	-	3.7	1.9	1.6	.34	.29
7	.6	.75	-	-	-	-	-	4.4	1.9	.88	.35	.31
8	.6	-	-	-	-	-	-	5.1	1.8	.94	.32	.77
9	.63	-	-	-	-	-	-	6.4	1.7	.72	1	.52
10	.6	-	-	-	-	-	-	6.9	1.6	.64	.83	.51
11	.6	-	-	-	-	-	-	6.5	1.4	.58	.85	.45
12	.69	-	-	-	-	-	-	5.9	1.1	.55	.73	.42
13	.62	-	-	-	-	-	-	5.5	1.1	.64	.59	.42
14	.6	-	-	-	-	-	-	5	1.2	.92	.57	.41
15	.6	-	-	-	-	-	-	4.7	1	.64	.62	.44
16	.6	-	-	-	-	-	-	4.3	.93	.53	.69	.44
17	.59	-	-	-	-	-	.8	4.7	.92	.42	.62	.54
18	.59	-	-	-	-	-	.84	4.9	.83	.39	.52	.52
19	.59	-	-	-	-	-	.94	4.1	.83	.37	.43	.47
20	.54	-	-	-	-	-	.91	3.8	.88	.33	.44	.42
21	.54	-	-	-	-	-	.87	3.5	.83	.33	.41	.37
22	.57	-	-	-	-	-	1.3	3.2	.82	.32	.69	.36
23	.65	-	-	-	-	-	1.3	3	.78	.31	.59	.36
24	.6	-	-	-	-	-	1.6	2.7	.7	.31	.41	.36
25	.6	-	-	-	-	-	2.1	2.6	.7	.32	.36	.36
26	.6	-	-	-	-	-	2.4	2.5	.66	.36	.34	.36
27	.6	-	-	-	-	-	2.2	2.5	.64	.34	.33	.36
28	.6	-	-	-	-	-	2.3	2.4	.57	.32	.33	.36
29	.58	-	-	-	---	-	2.3	2.3	.54	.28	.33	.36
30	.55	-	-	-	---	-	2.3	2.2	.5	.28	.33	.36
31	.92	---	-	-	---	-	---	2.2	---	.26	.36	---
TOTAL	18.87	5.14	-	-	-	-	22.16	117.8	35.53	17.2	14.81	12.14
MEAN	.61	.17	-	-	-	-	.74	3.8	1.18	.55	.48	.4
AC-FT	37	10	-	-	-	-	44	234	70	34	29	24
MAX	.92	.78	-	-	-	-	2.4	6.9	2.1	1.7	1	.77
MIN	.54	-	-	-	-	-	-	2.2	.5	.26	.26	.29

CAL YR	2000	TOTAL	-	MEAN	-	MAX	-	MIN	-	AC-FT	-
WTR YR	2001	TOTAL	243.65	MEAN	.67	MAX	6.9	MIN	-	AC-FT	483

MAX DISCH: 18.4 CFS AT 18:00 ON Jul. 5, 2001 GH 0.95 FT. SHIFT 0.00 FT.  
 MAX GH: 0.95 FT. AT 18:00 ON Jul. 5, 2001

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



## PLATTE RIVER BASIN

06735500 BIG THOMPSON RIVER(below Lake Estes) NEAR ESTES PARK, CO

**LOCATION.**--Lat 40°22'35", long 105°29'06", in NE¼NE¼ sec. 29, T.5 N., R.72 W., Larimer County, Hydrologic Unit 10190006, on right bank 100 ft upstream from Dry Gulch, 600 ft downstream from Olympus Dam, and 2.0 mi east of Estes Park.

**DRAINAGE AREA.**--155 mi<sup>2</sup>. Area at site used Jan. 29, 1934, to Mar. 21, 1951, 162 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry at 15' Parshall flume in a concrete shelter with a supplementary outside gage.

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

**RATING TABLE.**--BTBLES010 USED FROM 01-OCT-2000 TO 01-OCT-2001

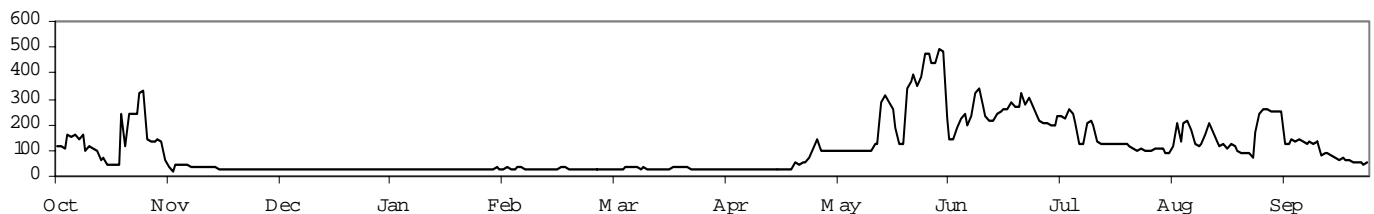
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	34	26	26	31	31	30	100	438	217	95	259
2	118	22	26	26	31	31	31	101	438	204	106	257
3	104	44	26	26	32	31	31	100	489	204	111	251
4	158	43	26	26	31	31	31	101	483	193	105	250
5	156	42	26	26	31	31	31	101	227	193	91	250
6	157	41	26	25	32	31	31	101	141	237	93	252
7	147	34	25	27	32	31	30	100	145	232	115	129
8	157	34	26	27	31	32	30	98	192	227	205	122
9	102	34	26	26	30	32	30	101	224	264	132	143
10	116	35	26	27	30	32	31	100	238	240	203	132
11	104	35	26	26	31	32	31	101	193	205	214	139
12	101	36	26	26	31	31	31	98	231	129	181	138
13	60	35	26	26	30	32	31	101	323	125	129	126
14	72	35	26	26	31	30	30	99	336	208	112	131
15	47	28	26	26	31	31	30	100	267	217	128	128
16	45	27	26	27	31	31	31	125	229	201	159	133
17	46	27	26	26	31	31	31	128	215	131	204	84
18	48	27	26	25	32	31	31	291	213	125	167	92
19	245	27	26	25	32	31	31	314	243	126	134	89
20	119	27	25	25	31	31	31	286	250	126	118	83
21	246	27	25	24	31	32	31	264	257	126	121	74
22	241	26	25	25	31	32	30	191	260	128	103	65
23	246	26	25	26	31	32	30	127	288	127	125	69
24	321	27	25	26	31	32	51	127	266	126	116	66
25	334	27	25	26	31	32	48	341	265	127	98	63
26	141	26	26	25	31	30	52	367	319	113	92	57
27	137	26	25	26	31	30	51	392	281	106	93	57
28	132	26	25	26	30	29	75	349	301	98	90	53
29	143	26	25	26	---	29	105	383	266	108	75	49
30	130	26	25	31	---	29	139	475	237	98	168	52
31	64	---	25	32	---	31	---	471	---	95	244	---
TOTAL	4354	930	794	813	869	962	1226	6133	8255	5056	4127	3793
MEAN	140	31	26	26	31	31	41	198	275	163	133	126
AC-FT	8640	1840	1570	1610	1720	1910	2430	12160	16370	10030	8190	7520
MAX	334	44	26	32	32	32	139	475	489	264	244	259
MIN	45	22	25	24	30	29	30	98	141	95	75	49

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 37312 MEAN 102 MAX 489 MIN 22 AC-FT 74010

MAX DISCH: 561 CFS AT 00:45 ON May. 30, 2001 GH 4.14 FT. SHIFT 0 FT.  
MAX GH: 4.14 FT. AT 00:45 ON May. 30, 2001

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



## PLATTE RIVER BASIN

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

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

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

**REMARKS.**--Primary record is hourly data taken from satellite monitoring with chart and datalogger back up. It is complete. It is reliable except for the following days of missing DCP data when mean daily values were taken from the chart and hourly subdivision was not used: October 23-31, 2000; July 1-6, 2001. The record is good, except for October 23-31, and July 1-6 which are poor due to the manual calculation technique involved. Station maintained and record developed by Merlin Friedrichsen.

**RATING TABLE.**--OLYTUNCO05 USED FROM 01-OCT-2000 TO 01-OCT-2001

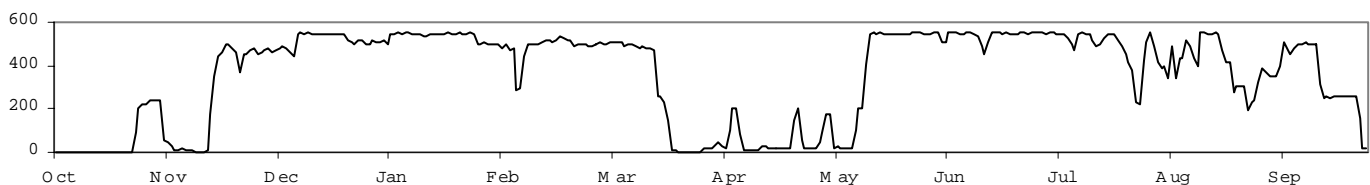
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	45	470	499	495	508	18	50	546	550	554	384
2	0	29	480	541	480	499	31	89	554	551	487	368
3	0	9.7	486	547	496	500	48	177	552	545	417	352
4	0	11	480	553	472	504	31	177	509	550	391	352
5	0	14	460	545	477	504	19	21	507	551	393	355
6	0	9.5	446	550	283	507	97	31	553	548	344	398
7	0	7.8	547	550	293	509	204	21	551	548	487	504
8	0	7	554	544	444	487	203	21	550	545	346	475
9	0	.92	543	545	503	500	85	21	549	522	437	452
10	0	0	557	543	501	497	10	21	548	501	433	483
11	0	0	549	535	497	491	11	106	551	473	513	500
12	0	8.9	547	535	500	478	11	203	553	548	486	500
13	0	172	544	547	506	487	10	204	548	551	438	504
14	0	352	548	546	514	480	12	406	536	547	393	499
15	0	442	548	545	515	477	24	547	488	546	554	499
16	0	459	547	546	510	467	24	550	454	520	552	499
17	0	494	549	543	515	256	17	546	508	486	548	316
18	0	502	545	550	533	255	17	550	551	503	548	253
19	0	478	547	543	523	234	17	546	550	530	550	255
20	0	461	543	546	519	146	17	549	552	548	544	252
21	0	371	515	552	519	12	17	541	548	549	467	254
22	0	451	509	549	491	9.4	17	544	552	545	413	254
23	93	452	502	549	494	3.4	17	543	549	519	418	255
24	205	471	514	550	500	3.4	148	548	549	485	278	254
25	221	479	516	548	496	3.4	200	546	548	450	302	254
26	225	452	501	503	492	3.4	59	548	550	416	301	255
27	236	462	500	502	492	3.3	18	551	553	374	306	254
28	242	474	517	508	499	3.2	16	552	549	230	190	157
29	240	484	511	501	---	3.1	14	551	551	226	229	23
30	242	464	505	500	---	14	15	548	551	426	241	23
31	57	---	515	496	---	19	---	542	---	506	326	---
TOTAL	1761	8062.82	16095	16611	13559	8863.6	1427	10850	16210	15389	12886	10183
MEAN	56.8	269	519	536	484	286	48	350	540	496	416	339
AC-FT	3490	15990	31920	32950	26890	17580	2830	21520	32150	30520	25560	20200
MAX	242	502	557	553	533	509	204	552	554	551	554	504
MIN	0	0	446	496	283	3.1	10	21	454	226	190	23

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 131897.42 MEAN 361 MAX 557 MIN 0 AC-FT 261600

MAX DISCH: 581 CFS AT 06:30 ON Aug. 9, 2001 GH 8.04 FT. SHIFT 0 FT.  
MAX GH: 8.04 FT. AT 06:30 ON Aug. 9, 2001

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





PLATTE RIVER BASIN

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--85.1 mi<sup>2</sup>; 1947 to present.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. The graphic chart was the primary record until Mar. 21, 1994 when a DCP and shaft encoder belonging to the DWR was installed due to the unreliability of the NWS DCP. From then on the DCP is the primary record using the graphic chart as backup.

**REMARKS.**--The primary record is hourly satellite data with chart backup. The record is complete and reliable except for the following periods: November 7-13, when the station was ice affected. November 14,2000 through April 3, 2001, when the station was closed for winter. May 2-10, 2001 and August 17-20, when the inlets were plugged due to silt from the runoff from the 2000 Bobcat fire area above the station; July 7-8, 2001, when the DCP and the recorder were off; July 26-30 chart was used when the DCP was off. The record is good, except for the following days which are estimated: November 4-14 2000; May 2-10; August 7-8, 17-20, 2001. Station maintained and record developed by Merlin Friedrichsen.

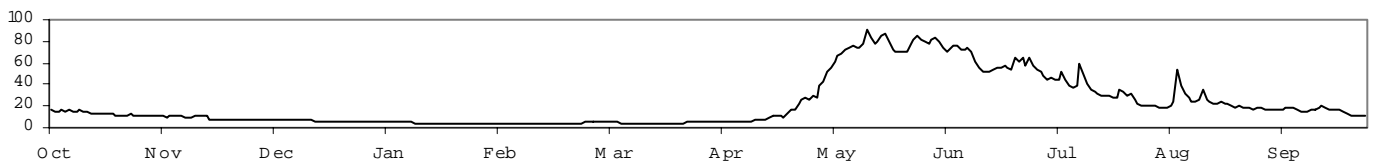
**RATING TABLE.**--BTNFDRCO10 USED FROM 01-OCT-2000 TO 23-JUL-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	11	7	5	4	6	5	28	78	53	21	19
2	15	9.5	7	5	4	6	5	38	81	51	21	17
3	15	11	7	5	4	6	5	43	84	48	20	16
4	16	11	7	5	4	5	6.1	51	80	45	18	16
5	15	11	7	5	4	5	6.1	55	74	46	18	16
6	16	11	7	5	4	5	6.1	61	70	44	19	17
7	15	10	7	5	4	5	5.6	66	73	44	20	16
8	15	10	7	5	4	4	5.7	68	76	51	25	19
9	16	10	7	5	4	4	5.4	73	76	44	53	19
10	15	11	7	4	4	4	5.8	75	73	39	38	19
11	14	11	7	4	4	4	5.8	76	73	37	31	16
12	13	11	7	4	4	4	6.3	75	74	39	28	15
13	13	11	6	4	3	3	5.6	75	70	60	24	14
14	13	7	6	4	3	3	6.6	77	62	50	24	15
15	13	7	6	4	3	3	6.7	90	55	41	26	16
16	13	7	6	4	3	3	7.9	84	52	35	36	16
17	13	7	6	4	4	4	6.9	77	51	34	26	19
18	13	7	6	4	4	4	9.3	80	51	32	25	21
19	12	7	6	4	4	4	11	85	54	29	23	19
20	12	7	6	4	4	4	12	87	55	29	22	17
21	12	7	6	4	4	4	11	80	55	29	24	16
22	12	7	6	4	4	4	10	73	57	28	22	16
23	13	7	6	4	4	4	13	70	56	28	22	16
24	12	7	6	4	4	4	16	70	54	35	20	14
25	12	7	6	4	4	4	17	71	64	33	19	13
26	12	7	6	4	5	5	22	71	62	30	20	12
27	12	7	6	4	5	5	26	77	65	31	18	12
28	12	7	6	4	5	5	27	82	58	26	18	12
29	11	7	6	4	---	5	26	85	65	22	18	12
30	11	7	6	4	---	5	30	82	57	21	17	12
31	11	---	6	4	---	5	---	79	---	20	19	---
TOTAL	413	257.5	198	133	111	136	331.9	2204	1955	1154	735	477
MEAN	13	8.6	6.4	4.3	4	4.4	11.1	71	65	37	24	16
AC-FT	819	511	393	264	220	270	658	4370	3880	2290	1460	946
MAX	16	11	7	5	5	6	30	90	84	60	53	21
MIN	11	7	6	4	3	3	5	28	51	20	17	12
CAL YR 2000	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC-FT	0	
WTR YR 2001	TOTAL	8105.4	MEAN	22.2	MAX	90	MIN	3	AC-FT	16080		

MAX DISCH: 158 CFS AT 16:00 ON Aug. 16, 2001 GH 4.55 FT. SHIFT 0.01 FT.  
MAX GH: 4.55 FT. AT 16:00 ON Aug. 16, 2001

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



PLATTE RIVER BASIN

DILLE TUNNEL (EAST PORTAL) NEAR DRAKE, CO

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

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

**REMARKS**--The primary record is hourly DCP data with chart back-up. Chart record is checked daily when tunnel is in operation by Northern Colorado Water Conservancy District personnel. The record is complete and reliable. Record is good. Flow at station is intermittent dependent on river flows, water orders, and other regulations. Station maintained and record developed by Fred Renner.

**RATING TABLE**--DILTUNCO03 USED FROM 01-OCT-2000 TO 30-SEP-2001

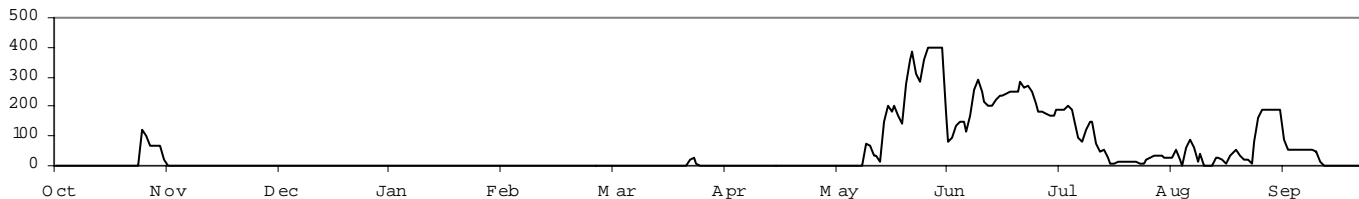
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	398	183	25	186
2	0	0	0	0	0	0	0	0	398	180	32	186
3	0	0	0	0	0	0	0	0	398	179	35	186
4	0	0	0	0	0	0	0	0	398	169	35	186
5	0	0	0	0	0	0	0	0	179	168	28	186
6	0	0	0	0	0	0	0	0	81	192	25	186
7	0	0	0	0	0	0	0	0	93	192	25	90
8	0	0	0	0	0	0	0	0	135	190	52	55
9	0	0	0	0	0	0	0	0	149	204	17	55
10	0	0	0	0	0	0	0	0	150	188	0	55
11	0	0	0	0	0	0	0	0	113	157	61	55
12	0	0	0	0	0	0	0	0	172	97	89	55
13	0	0	0	0	0	0	0	0	254	79	62	55
14	0	0	0	0	0	0	0	73	289	123	14	55
15	0	0	0	0	0	0	0	66	249	149	38	51
16	0	0	0	0	0	0	0	35	219	151	0	50
17	0	0	0	0	0	0	0	37	206	77	0	14
18	0	0	0	0	0	0	0	11	204	50	0	0
19	0	0	0	0	0	0	0	150	223	57	28	0
20	0	0	0	0	0	0	0	201	234	27	25	0
21	0	0	0	0	0	0	0	184	238	4	20	0
22	0	0	0	0	0	0	0	200	240	7.6	7.8	0
23	0	0	0	0	0	0	0	169	247	11	37	0
24	0	0	0	0	0	0	0	144	250	11	50	0
25	121	0	0	0	0	0	0	278	250	11	51	0
26	99	0	0	0	0	23	0	361	285	11	35	0
27	70	0	0	0	0	25	0	382	262	11	22	0
28	70	0	0	0	0	6.6	0	314	271	11	20	0
29	70	0	0	0	---	0	0	286	250	6.3	9.3	0
30	70	0	0	0	---	0	0	357	209	5	78	0
31	20	---	0	0	---	0	---	396	---	19	164	---
TOTAL	520	0	0	0	0	54.6	0	3644	7044	2919.9	1085.1	1706
MEAN	16.8	0	0	0	0	1.76	0	118	235	94.2	35	56.9
AC-FT	1030	0	0	0	0	108	0	7230	13970	5790	2150	3380
MAX	121	0	0	0	0	25	0	396	398	204	164	186
MIN	0	0	0	0	0	0	0	0	81	4	0	0

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	16973.6	MEAN	46.5	MAX	398	MIN	0	AC-FT	33670

MAX DISCH: 403 CFS AT 02:45 ON Jun. 1, 2001 GH 4.84 FT. SHIFT 0 FT.  
MAX GH: 4.84 FT. AT 02:45 ON Jun. 1, 2001

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



PLATTE RIVER BASIN

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

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--305 mi<sup>2</sup>; 1927-1933, 1938 to present.

**GAGE.**--Water-stage recorder with satellite telemetry and shaft encoder activated by manometer in a concrete shelter with outside wire weight for reference. A bank-operated cableway was added in 1997 for intermediate flow measurements.

**REMARKS.**--The primary record is hourly data, taken from satellite monitoring with chart back-up. Mean daily GH values were taken from the chart on the following days when correct hourly values were not reported via satellite: October 25,2000. The Record is complete except for the following periods: November 28 to March 5: when station was closed for winter; April 21-24; May 4-9; when inlets were plugged from Bobcat fire ash and soil in river after heavy rains. The record is reliable, except for the following periods: November 21-27, 2000 due to ice on the control. Record is good due to frequency of measurements & visits and the presence of an artificial control, except for the following periods: Record was estimated for November 21-30; December 1-31, 2000; January 1-March 5; April 21-24; May 4-9, 2001. Record developed and station maintained by Fred Renner.

**RATING TABLE.**--BTCANYCO16 USED FROM 01-OCT-2000 TO 30-SEP-2001

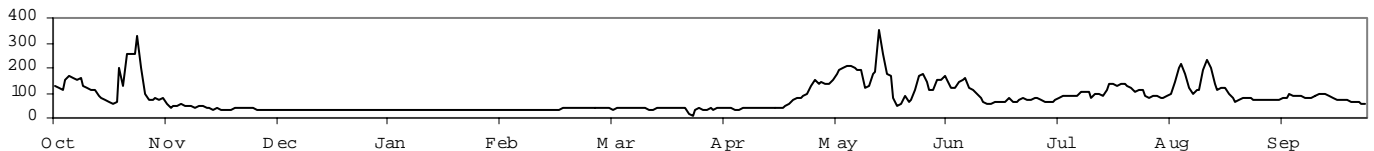
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	60	35	31	36	38	37	134	112	81	84	74
2	122	41	35	31	36	37	34	141	110	69	87	76
3	116	46	35	31	36	37	38	138	156	62	88	71
4	149	52	35	31	36	37	39	138	155	64	84	69
5	167	58	35	31	36	36	39	155	168	63	80	69
6	163	51	35	31	36	37	38	175	151	71	85	72
7	155	48	34	31	36	39	37	190	122	77	98	80
8	161	47	34	32	36	39	36	200	120	85	145	80
9	128	44	34	32	36	41	36	205	144	88	198	93
10	122	47	34	31	36	42	37	206	154	91	220	91
11	113	45	33	31	36	40	40	203	159	89	177	90
12	111	39	33	30	36	40	38	192	119	86	123	90
13	87	44	33	30	36	38	38	189	109	104	98	82
14	80	35	33	30	36	39	39	120	93	108	116	83
15	70	44	33	30	36	34	38	130	80	102	111	84
16	62	36	33	30	36	36	39	173	65	82	193	90
17	60	31	33	30	36	39	37	187	59	94	230	95
18	61	35	33	30	36	37	39	355	55	98	204	97
19	198	36	33	29	37	37	41	254	61	88	135	97
20	132	38	32	29	37	39	42	179	65	116	116	91
21	257	38	32	29	37	38	42	165	65	138	117	84
22	254	37	32	29	37	41	45	82	67	136	117	74
23	256	37	32	29	37	42	55	47	83	132	96	72
24	326	37	32	29	37	40	70	55	66	138	83	74
25	203	37	32	30	37	40	78	89	68	136	67	72
26	96	36	32	30	38	19	79	64	72	125	72	66
27	74	35	31	30	38	7.8	85	71	79	117	80	63
28	74	35	31	30	38	31	98	112	71	107	78	62
29	80	35	31	30	---	39	126	169	74	110	77	58
30	74	35	31	32	---	36	150	175	79	109	73	58
31	78	---	31	34	---	36	---	145	---	90	71	---
TOTAL	4154	1239	1022	943	1021	1131.8	1590	4838	2981	3056	3603	2357
MEAN	134	41	33	30	37	36.5	53	156	99	99	116	79
AC-FT	8240	2460	2030	1870	2030	2240	3150	9600	5910	6060	7150	4680
MAX	326	60	35	34	38	42	150	355	168	138	230	97
MIN	60	31	31	29	36	7.8	34	47	55	62	67	58

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 27935.8 MEAN 76.5 MAX 355 MIN 7.8 AC-FT 55410

MAX DISCH: 440 CFS AT 05:15 ON May. 19, 2001 GH 3.47 FT. SHIFT -0.01 FT.  
MAX GH: 3.47 FT. AT 05:15 ON May. 19, 2001

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



PLATTE RIVER BASIN  
BUCKHORN CREEK NEAR MASONVILLE, CO

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

DRAINAGE AREA.--

GAGE.--A-35 Stevens recorder and 8004 Data Collection Platform(DCP) with shaft encoder in a wooden shelter with inside electric tape.

REMARKS.--The primary record is hourly data from satellite monitoring with chart back up. Daily maximum and minimum stages for the satellite record checked to within + 0.02 with the chart. Shaft encoder corrections were entered in Records program and prorated hourly by time for the following period: (See datum correction sheet)October 03, 2000: -0.02 flush correction was made. (Previous visit 9/07)December 14, 2000: -0.02 trash correction was made. (Previous visit 12/05)April 02, 2001: -0.02 encoder correction was made. (Previous visit 3/20). The Record is complete and reliable except for the following period: November 10, 2000, when DCP had 4 hours missing and clock stopped on Recorder. The record is good, except for period of no-gage height on November 10, 2000, which was estimated and is fair. Station maintained and record developed by Fred Renner.

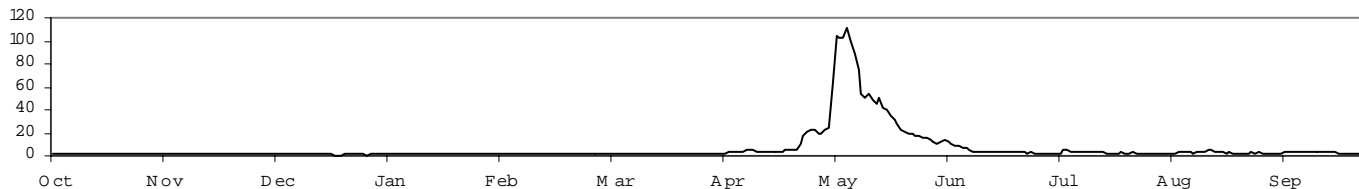
RATING TABLE.--BUCRMVCO7 USED FROM 01-OCT-2000 TO 09-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.9	1.3	1.1	1.1	1.1	1.3	19	14	2	1.5	2.6
2	1.4	1.9	1.3	1.1	1.1	1.1	1.3	19	12	1.8	1.2	2.6
3	1.4	1.9	1.3	1.1	1.1	1.1	1.5	22	11	1.7	1.3	2.4
4	1.4	2	1.3	1.1	1.1	1.1	1.8	24	13	1.6	1.3	2.4
5	1.4	2	1.3	1.1	1.1	1.3	2.4	63	14	1.6	1.3	2.4
6	1.4	1.8	1.3	1.1	1.1	1.4	3.1	104	12	1.6	1.3	2.5
7	1.4	1.7	1.3	1.1	1.1	1.4	3.6	102	10	1.6	1.3	2.7
8	1.4	1.6	1.2	1.1	1.2	1.4	3.7	102	8.8	4.4	1.5	3.1
9	1.4	1.6	1.1	1.1	1.2	1.4	3.7	112	8.1	4.4	3.3	3.5
10	1.4	1.6	1.1	1.1	1.5	1.4	3.7	100	7.5	4	3.3	3.3
11	1.4	1.6	1.1	1.1	1.1	1.4	5	88	6.5	3.5	3.2	3.1
12	1.4	1.6	1	1.1	1.1	1.5	4.8	75	4.5	3.1	3	3.1
13	1.4	1.6	1.1	1.1	1.1	1.6	4.5	54	3.4	3.2	2.5	3.1
14	1.4	1.6	1.1	1.1	1.1	1.5	4.2	51	3.6	3.5	2.7	3.2
15	1.4	1.5	1.1	1.1	1.1	1.4	3.7	54	3.6	3.7	3.8	3.4
16	1.4	1.4	1.1	1.1	1.2	1.4	3.7	49	3.5	3.2	4.2	3.6
17	1.1	1.4	.95	1.1	1.3	1.4	4.3	45	3.9	2.9	5.6	3.6
18	1.1	1.4	.83	1.1	1.3	1.4	3.8	51	3.5	2.8	5.4	4.2
19	1.1	1.4	.83	1.1	1.3	1.2	2.9	42	3.3	2.7	4.1	3.8
20	1.1	1.3	.83	1.1	1.3	1.1	3.5	40	3.6	2.5	3.5	3.1
21	1.2	1.3	.91	1.1	1.3	1.1	4.1	35	3.8	2.1	2.9	2.8
22	1.3	1.3	.98	1.1	1.3	1.1	5.7	32	3.3	2	2.6	2.4
23	1.3	1.3	.98	1.1	1.3	1.1	4.7	28	3	2.4	2.7	2.1
24	1.3	1.3	.98	1.1	1.3	1.1	4.6	23	3.2	2.9	2.5	2.2
25	1.4	1.3	.98	1.1	1.1	1.2	5.5	21	3.2	2.4	2.5	2
26	1.4	1.3	.96	1.1	1.1	1.4	9.6	20	3.1	2.2	2.5	1.8
27	1.4	1.3	.83	1.1	1.1	1.4	18	19	2.7	2.7	2.6	1.7
28	1.4	1.3	1	1.1	1.1	1.4	21	18	2.6	2.5	2.6	1.6
29	1.4	1.3	1.1	1.1	---	1.3	22	18	2.8	2.3	2.7	1.6
30	1.5	1.3	1.1	1.1	---	1.3	22	15	2.3	2.1	2.6	1.6
31	1.7	---	1.1	1.1	---	1.3	---	15	---	1.9	2.7	---
TOTAL	42.4	45.8	33.36	34.1	33.1	40.3	183.7	1460	179.8	81.3	84.2	81.5
MEAN	1.4	1.5	1.08	1.1	1.2	1.3	6.1	47	6	2.6	2.7	2.7
AC-FT	84	91	66	68	66	80	364	2900	357	161	167	162
MAX	1.7	2	1.3	1.1	1.5	1.6	22	112	14	4.4	5.6	4.2
MIN	1.1	1.3	.83	1.1	1.1	1.1	1.3	15	2.3	1.6	1.2	1.6
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	2299.56	MEAN	6.3	MAX	112	MIN	.83	AC-FT	4560		

MAX DISCH: 151 CFS AT 02:30 ON May. 6, 2001 GH 5.9 FT. SHIFT 0.02 FT.  
MAX GH: 5.9 FT. AT 02:30 ON May. 6, 2001

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



PLATTE RIVER BASIN

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

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

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

REMARKS.--The primary record is hourly DCP data with the chart record as back-up. The record is complete and reliable. During the zero flow periods--October 1-11, 2000; September 19-30, 2001--the chart/encoder go negative due to the draining of the canal for construction work. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--HFCBBS016 USED FROM 01-OCT-2000 TO 30-SEP-2001

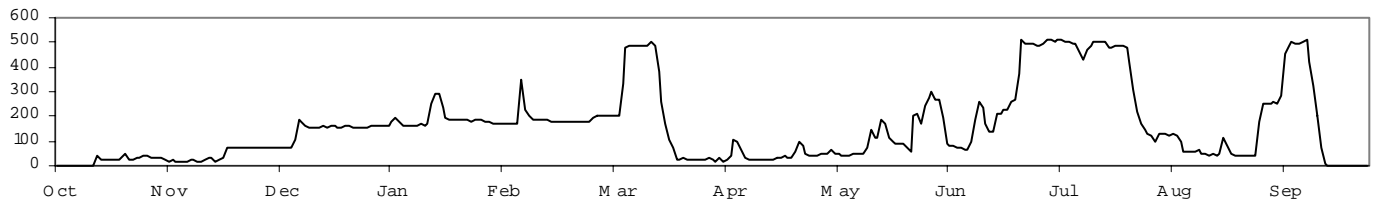
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	17	77	162	170	202	28	49	296	486	125	251
2	0	21	76	178	170	204	15	52	267	497	99	249
3	0	18	76	198	169	204	32	49	270	513	131	251
4	0	15	76	180	171	203	19	65	191	508	132	262
5	0	15	75	166	169	204	23	45	90	504	128	254
6	0	18	102	165	169	204	38	46	83	509	118	285
7	0	23	186	165	350	329	103	42	79	511	130	452
8	0	23	181	165	230	482	100	40	69	500	124	484
9	0	18	162	165	203	486	66	42	69	500	101	499
10	0	17	152	168	183	485	32	46	68	497	58	495
11	0	21	151	166	185	486	26	51	63	496	56	496
12	37	33	154	171	185	485	26	48	95	464	57	502
13	23	29	156	252	185	487	28	51	190	426	53	508
14	24	20	159	289	183	489	27	77	260	469	67	418
15	25	24	158	291	180	504	26	142	239	484	47	325
16	22	30	159	235	182	485	27	117	167	503	47	203
17	24	73	159	194	179	379	28	111	137	499	38	69
18	24	77	158	183	179	259	28	184	139	499	46	8.9
19	33	72	158	183	180	174	36	167	214	505	43	0
20	47	77	159	184	179	106	32	113	214	482	45	0
21	28	70	159	185	178	70	38	98	224	480	117	0
22	25	70	158	185	180	22	35	93	228	486	83	0
23	29	71	157	186	179	21	35	93	262	487	52	0
24	34	71	157	181	180	29	56	91	269	489	43	0
25	39	76	156	183	179	28	98	74	376	477	43	0
26	38	73	156	183	178	27	78	54	511	421	40	0
27	33	76	160	184	193	23	50	202	493	308	43	0
28	34	76	164	182	202	26	41	213	497	217	43	0
29	34	76	164	176	---	26	39	171	493	169	40	0
30	33	73	163	169	---	28	38	242	490	149	42	0
31	28	---	163	170	---	29	---	277	---	127	176	---
TOTAL	614	1373	4491	5844	5270	7186	1248	3145	7043	13662	2367	6011.9
MEAN	19.8	46	145	189	188	232	42	101	235	441	76	200
AC-FT	1220	2720	8910	11590	10450	14250	2480	6240	13970	27100	4690	11920
MAX	47	77	186	291	350	504	103	277	511	513	176	508
MIN	0	15	75	162	169	21	15	40	63	127	38	0

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 58254.9 MEAN 160 MAX 513 MIN 0 AC-FT 115500

MAX DISCH: 553 CFS AT 07:00 ON Jun. 26, 2001 GH 6.56 FT. SHIFT 0 FT.  
MAX GH: 6.56 FT. AT 07:00 ON Jun. 26, 2001

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



PLATTE RIVER BASIN

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

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

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

REMARKS.--The primary record is hourly DCP data with the graphic chart as backup. There were periods when water was in stilling well causing a residual gage-height for zero flow. Record is good. The flow at station is intermittent depending on operation of power plant and the flow north. The wasteway serves as both a safety valve and delivery system returning water back to the Big Thompson River. Station maintained and record developed by Fred Renner.

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-2000 TO 30-SEP-2001

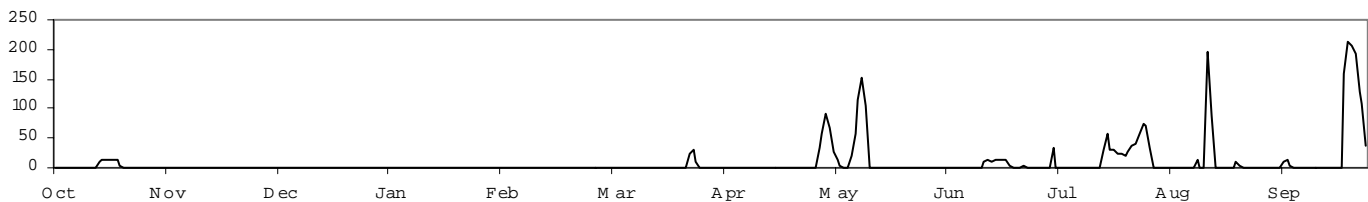
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	33	0	0	35	0
2	0	0	0	0	0	0	0	56	0	0	0	0
3	0	0	0	0	0	0	0	90	0	0	0	0
4	0	0	0	0	0	0	0	67	0	0	0	0
5	0	0	0	0	0	0	0	27	0	33	0	0
6	0	0	0	0	0	0	0	12	0	0	0	0
7	0	0	0	0	0	0	0	3.3	0	0	0	11
8	0	0	0	0	0	0	0	0	0	0	0	15
9	0	0	0	0	0	0	0	0	0	0	0	4.4
10	0	0	0	0	0	0	0	21	0	0	0	0
11	0	0	0	0	0	0	0	56	0	0	0	0
12	0	0	0	0	0	0	0	114	0	0	0	0
13	9.5	0	0	0	0	0	0	151	0	0	0	0
14	13	0	0	0	0	0	0	104	0	0	12	0
15	13	0	0	0	0	0	0	0	0	0	0	0
16	13	0	0	0	0	0	0	0	8.8	0	0	0
17	13	0	0	0	0	0	0	0	12	0	197	0
18	13	0	0	0	0	0	0	0	11	0	88	0
19	4.2	0	0	0	0	0	0	0	12	32	0	0
20	0	0	0	0	0	0	0	0	13	57	0	0
21	0	0	0	0	0	0	0	0	12	31	0	0
22	0	0	0	0	0	0	0	0	12	31	0	0
23	0	0	0	0	0	0	0	0	3.6	25	0	0
24	0	0	0	0	0	0	0	0	0	22	0	158
25	0	0	0	0	0	0	0	0	0	19	10	213
26	0	0	0	0	0	24	0	0	0	27	4.4	205
27	0	0	0	0	0	31	0	0	2	36	0	191
28	0	0	0	0	0	9.7	0	0	0	41	0	128
29	0	0	0	0	---	0	0	0	0	58	0	107
30	0	0	0	0	---	0	0	0	0	74	0	37
31	0	---	0	0	---	0	---	0	---	70	0	---
TOTAL	78.7	0	0	0	0	64.7	0	734.3	86.4	556	346.4	1069.4
MEAN	2.54	0	0	0	0	2.09	0	23.7	2.88	17.9	11.2	35.6
AC-FT	156	0	0	0	0	128	0	1460	171	1100	687	2120
MAX	13	0	0	0	0	31	0	151	13	74	197	213
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR 2001	TOTAL	2935.9	MEAN	8.04	MAX	213	MIN	0	AC-FT	5820

MAX DISCH: 324 CFS AT 07:15 ON May. 14, 2001 GH 2.85 FT. SHIFT 0 FT.  
MAX GH: 2.85 FT. AT 07:15 ON May. 14, 2001

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



PLATTE RIVER BASIN

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

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

GAGE.--Graphic water-stage recorder and 8210 Data Collection Platform(DCP) connected to a flow meter directly connected to the power turbine. The station is maintained by the U.S.B.R. personnel.

REMARKS.--The primary record is hourly discharge data collected by the DCP with chart recorder as back-up. The record is complete and reliable. Record is good. Discharge was computed on a daily basis using real time Sat-Mon tool, and Data-wise values. These values were checked against the chart to develop the record. Record developed by Fred Renner.

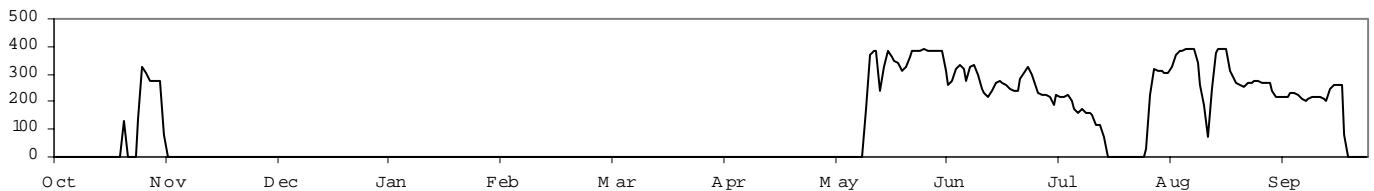
RATING TABLE.--STCONVERT USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	382	233	224	268
2	0	0	0	0	0	0	0	0	382	225	317	266
3	0	0	0	0	0	0	0	0	381	222	315	266
4	0	0	0	0	0	0	0	0	382	217	311	236
5	0	0	0	0	0	0	0	0	311	186	307	221
6	0	0	0	0	0	0	0	0	264	224	305	219
7	0	0	0	0	0	0	0	0	276	214	323	215
8	0	0	0	0	0	0	0	0	319	214	373	220
9	0	0	0	0	0	0	0	0	334	225	387	233
10	0	0	0	0	0	0	0	0	320	206	386	235
11	0	0	0	0	0	0	0	0	278	176	388	228
12	0	0	0	0	0	0	0	0	326	162	388	209
13	0	0	0	0	0	0	0	0	335	173	388	203
14	0	0	0	0	0	0	0	173	298	160	338	211
15	0	0	0	0	0	0	0	369	249	157	263	214
16	0	0	0	0	0	0	0	386	229	153	190	217
17	0	0	0	0	0	0	0	387	221	119	70	218
18	0	0	0	0	0	0	0	241	239	116	243	209
19	0	0	0	0	0	0	0	326	265	76	377	205
20	132	0	0	0	0	0	0	382	275	0	388	246
21	0	0	0	0	0	0	0	360	270	0	389	260
22	0	0	0	0	0	0	0	351	263	0	388	258
23	0	0	0	0	0	0	0	337	246	0	312	258
24	138	0	0	0	0	0	0	314	239	0	280	77
25	329	0	0	0	0	0	0	326	239	0	269	0
26	307	0	0	0	0	0	0	364	284	0	262	0
27	273	0	0	0	0	0	0	385	302	0	255	0
28	273	0	0	0	0	0	0	387	323	0	270	0
29	272	0	0	0	---	0	0	387	296	0	267	0
30	273	0	0	0	---	0	0	388	253	0	272	0
31	82	---	0	0	---	0	---	384	---	28	274	---
TOTAL	2079	0	0	0	0	0	0	6247	8781	3486	9519	5392
MEAN	67.1	0	0	0	0	0	0	202	293	112	307	180
AC-FT	4120	0	0	0	0	0	0	12390	17420	6910	18880	10700
MAX	329	0	0	0	0	0	0	388	382	233	389	268
MIN	0	0	0	0	0	0	0	0	221	0	70	0
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	35504	MEAN	97.3	MAX	389	MIN	0	AC-FT	70420		

MAX DISCH: 395 CFS AT 00:15 ON Aug. 9, 2001 GH 395 FT. SHIFT 0 FT.  
MAX GH: 395 FT. AT 00:15 ON Aug. 9, 2001

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



PLATTE RIVER BASIN  
BOULDER CREEK FEEDER CANAL NEAR LYONS, CO

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

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

**GAGE.**-- A-35 Stevens recorder in a 36-inch galvanized shelter with supplemental outside staff gage. A data collection platform (DCP) was installed in 1997 and is connected to the gage remotely approximately 100 yards west in a concrete 6 by 8-foot building. The station is maintained by NCWCD personnel.

**REMARKS.**--The primary record is hourly DCP data with chart back up. The record is complete and reliable. The following periods did not use the DCP for the listed reasons. March 29-April 3: DCP was not working--graphic chart used. April 4-23: Shaft encoder was set wrong--graphic chart was used. September 30, 2001. This record will soon become part of Colorado Division of Water Rescues Water District 5 Diversion Data. At that time it will no longer be published as part of Colorado Streamflow Data. Record developed by Merlin Friedrichsen.

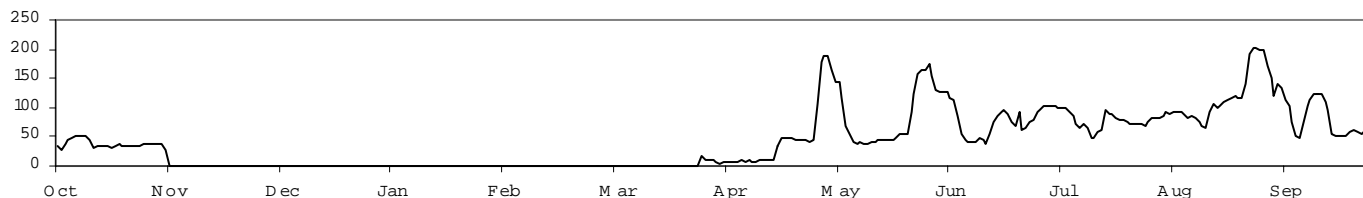
**RATING TABLE.**--BFCLYOCO02 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	.3					8.9	179	154	97	81	198
2	29						6.5	189	129	102	82	171
3	37						4.1	189	126	104	83	150
4	46						5.6	164	127	104	85	119
5	48						5.9	144	126	102	91	139
6	50						7.9	143	118	99	90	135
7	52						6.8	117	112	99	94	114
8	53						7.5	67	86	100	92	102
9	53						8.9	55	55	94	92	77
10	44						7.9	40	45	87	89	52
11	31						8.9	39	42	72	81	47
12	34						7.9	40	42	65	85	76
13	34						7.5	38	42	72	83	102
14	35						9.3	39	47	64	74	113
15	34						8.9	40	46	47	69	122
16	32						8.6	42	38	47	65	123
17	35						9.3	43	55	57	92	125
18	36						8.6	44	77	61	106	110
19	34						35	44	85	96	101	97
20	34						48	45	92	89	102	54
21	34						48	45	96	88	110	52
22	34						48	48	89	81	114	52
23	34						48	55	75	80	115	52
24	34						46	54	70	80	119	53
25	37						46	54	94	74	117	57
26	37						45	94	62	73	115	60
27	36						43	123	64	71	140	57
28	38						42	157	76	71	193	56
29	39					16	44	165	80	72	201	57
30	39					8.6	106	166	93	70	201	59
31	26					9.3	---	173	---	76	200	---
TOTAL	1172	.3	0	0	0	33.9	738	2835	2443	2494	3362	2781
MEAN	38	.01	0	0	0	1.09	24.6	92	81	81	108	93
AC-FT	2320	.6	0	0	0	67	1460	5620	4850	4950	6670	5520
MAX	53	.3	0	0	0	16	106	189	154	104	201	198
MIN	26	0	0	0	0	0	4.1	38	38	47	65	47
CAL YR 2000	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC-FT	0	
WTR YR 2001	TOTAL	15859.2	MEAN	43.4	MAX	201	MIN	0	AC-FT	31460		

MAX DISCH: 204 CFS AT 09:40 ON Aug. 30, 2001 GH 2.75 FT. SHIFT 0 FT.  
MAX GH: 2.75 FT. AT 09:40 ON Aug. 30, 2001

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





PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL NEAR LYONS, CO

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

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder in a 36-inch galvanized shelter at 15' Parshall Flume. Data Collection Platform and shaft encoder was installed in 1997.

REMARKS.--The primary record is hourly DCP data with chart backup. The record is complete and reliable. The following days were used from the chart record when the DCP was off; October 1-31 2000; March 29-31; April 1-23, 2001. The record is good. This record will soon be kept as part of Water District 5 Diversion Data. At that time it will no longer be published as part of Colorado Streamflow Data. Station maintained and record developed by Merlin Friedrichsen.

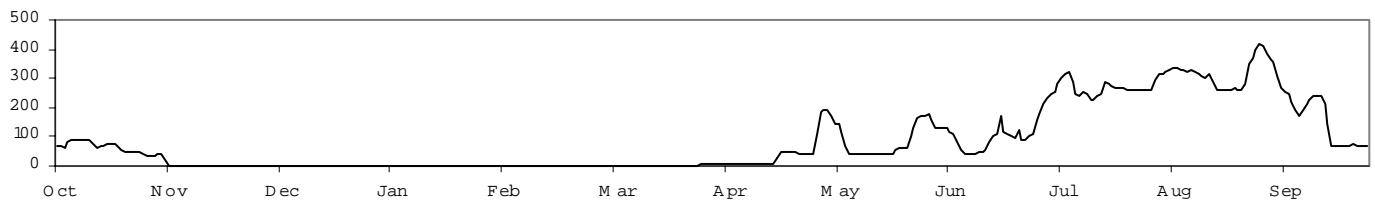
RATING TABLE.--SVSLYOCO05 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69						9.1	183	158	180	263	414
2	70						6.4	193	130	212	293	384
3	60						4.4	195	127	233	316	363
4	80						5.2	168	129	247	318	354
5	87						6	147	127	256	323	308
6	87						7.2	146	118	281	328	267
7	87						6.4	118	112	301	337	253
8	89						6.8	66	85	317	333	244
9	90						8.6	39	53	323	332	217
10	89						7.2	39	44	285	331	190
11	76						8.1	38	43	248	324	174
12	61						7.2	39	44	243	326	192
13	67						7.7	39	44	251	321	214
14	70						8.6	38	48	245	312	227
15	73						8.1	39	45	226	305	238
16	76						8.6	41	52	229	299	238
17	74						7.7	43	80	240	312	238
18	63						8.1	43	103	245	287	211
19	55						26	43	112	289	261	145
20	50						46	44	170	281	262	68
21	51						46	44	115	275	261	68
22	48						46	52	113	270	258	67
23	46						46	62	102	268	259	68
24	46						45	61	98	267	265	69
25	40						44	62	121	263	263	70
26	35						44	102	89	262	258	72
27	35						42	130	92	261	280	69
28	37						41	164	104	261	350	67
29	38					5	43	172	111	261	367	67
30	38						8.4	108	171	155	397	69
31	22						9.1	---	179	---	418	---
TOTAL	1909	0	0	0	0	22.5	708.4	2900	2924	8037	9559	5625
MEAN	62	0	0	0	0	.73	23.6	94	98	259	308	188
AC-FT	3790	0	0	0	0	45	1410	5750	5800	15940	18960	11160
MAX	90	0	0	0	0	9.1	108	195	170	323	418	414
MIN	22	0	0	0	0	0	4.4	38	43	180	258	67
CAL YR 2000	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC-FT	0	
WTR YR 2001	TOTAL	31684.9	MEAN	86.8	MAX	418	MIN	0	AC-FT	62850		

MAX DISCH: 424 CFS AT 12:20 ON Aug. 30, 2001 GH 3.34 FT. SHIFT 0 FT.  
MAX GH: 3.34 FT. AT 12:20 ON Aug. 30, 2001

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



PLATTE RIVER BASIN

LITTLE THOMPSON RIVER @ CANYON MOUTH NEAR BERTHOUD, CO

**LOCATION.**--Lat 40°15'29", long 105°12'21", SW¼NW¼ sec. 2, T. 3 N., 70 W., Boulder County, on the left bank, at the mouth of the Canyon, 1800 ft. upstream from the Culver Ditch Diversion and 8.5 mi. southwest of Berthoud, Co.

**DRAINAGE AREA.**--100 mi<sup>2</sup>.

**GAGE.**--Graphic water stage recorder with satellite monitoring in a 42" metal well. The drop tape is the primary reference. The DCP is the primary record.

**REMARKS.**--The hourly satellite record is the primary record with chart as back up. Daily maximum and minimum stages for the satellite record checked to within +0.02 with the chart. The period May 5-7, 13-17, 22-31, 2001, chart Gage height was used due to flush corrections. Record is complete and reliable except for the following periods: November 03-March22: When station was closed for the winter; November 02& March23: Partial record on closing and opening days. The record is good, except for November 2 and March 23, which are estimated. Their were many days when flow was below 0.55 cfs. This gage is a partial year record. Station maintained and record developed by Fred Renner.

**RATING TABLE.**--LTCANYCO12 USED FROM 01-OCT-2000 TO 05-NOV-2001

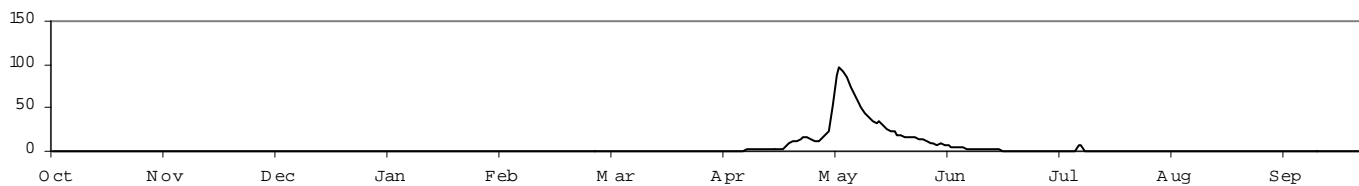
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.1	.19	-	-	-	-	.38	11	9.7	.6	.46	.33
2	.12	.18	-	-	-	-	.39	14	8.6	.55	.45	.29
3	.12	-	-	-	-	-	.38	18	7.8	.55	.41	.26
4	.12	-	-	-	-	-	.38	23	8.5	.55	.37	.25
5	.11	-	-	-	-	-	.38	54	7.7	.53	.36	.24
6	.03	-	-	-	-	-	.39	87	6.3	.51	.42	.23
7	.06	-	-	-	-	-	.36	97	5.6	.49	.45	.29
8	.13	-	-	-	-	-	.38	92	4.9	.59	.37	.49
9	.09	-	-	-	-	-	.57	85	4.2	.51	.56	.45
10	0	-	-	-	-	-	.72	75	3.7	.51	.51	.39
11	0	-	-	-	-	-	1.3	64	3	.52	.45	.32
12	0	-	-	-	-	-	1.4	56	2.6	6.8	.37	.29
13	.07	-	-	-	-	-	1.4	50	2.5	6.1	.4	.29
14	.01	-	-	-	-	-	1.3	45	2.5	1.1	.44	.36
15	0	-	-	-	-	-	1.4	40	2.3	.72	.48	.39
16	.02	-	-	-	-	-	1.4	34	1.9	.55	.47	.41
17	.12	-	-	-	-	-	1.5	32	1.4	.51	.44	.38
18	.08	-	-	-	-	-	1.5	35	1.3	.5	.38	.38
19	0	-	-	-	-	-	1.4	30	1.3	.5	.37	.34
20	.05	-	-	-	-	-	1.4	26	1.2	.49	.37	.28
21	.08	-	-	-	-	-	1.5	23	1.1	.5	.37	.27
22	0	-	-	-	-	-	5.6	23	1	.54	.34	.24
23	0	-	-	-	-	.2	8.8	19	.92	.51	.35	.26
24	0	-	-	-	-	.23	12	18	.82	.52	.32	.31
25	0	-	-	-	-	.25	12	17	.76	.49	.29	.26
26	0	-	-	-	-	.31	14	16	.72	.51	.28	.21
27	0	-	-	-	-	.26	16	16	.66	.47	.26	.22
28	0	-	-	-	-	.26	16	16	.64	.41	.3	.19
29	0	-	-	-	---	.3	14	14	.62	.36	.31	.25
30	0	-	-	-	---	.28	12	13	.61	.36	.36	.34
31	.19	---	-	-	---	.38	---	11	---	.41	.37	---
TOTAL	1.5	.37	-	-	-	2.47	130.23	1154	94.85	28.26	12.08	9.21
MEAN	.05	.01	-	-	-	.08	4.34	37	3.16	.91	.39	.31
AC-FT	3	.7	-	-	-	4.9	258	2290	188	56	24	18
MAX	.19	.19	-	-	-	.38	16	97	9.7	6.8	.56	.49
MIN	-	-	-	-	-	-	.36	11	.61	.36	.26	.19

WTR YR 2001 TOTAL 1432.97 MEAN 3.93 MAX 97 MIN - AC-FT 2840

MAX DISCH: 108 CFS AT 04:00 ON May. 7, 2001 GH 3.75 FT. SHIFT 0.02 FT.  
MAX GH: 3.75 FT. AT 04:00 ON May. 7, 2001

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



PLATTE RIVER BASIN

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE, CO

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

DRAINAGE AREA AND PERIOD OF RECORD.--828 mi<sup>2</sup>; 1951 to present.

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

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. Daily maximum and minimum stages for the satellite record checked to within +0.02 with the chart. Mean daily chart gage heights were used for the following period when MCF setup was NS =8, UI=1hr./ DCP setup was NS=32/ UI=15m causing decoding problems: April 5-30; May 1-31; June 1-6, 2001. The record is complete. The record is reliable except for the following period: November 13-14, 17-18; December 16-24, 26-27, 2000; January 3, 2001: Stage-discharge relationship affected by ice on the control. Station maintained and record developed by Fred Renner.

RATING TABLE.--BIGLASCO25 USED FROM 01-OCT-2000 TO 27-JUN-2001

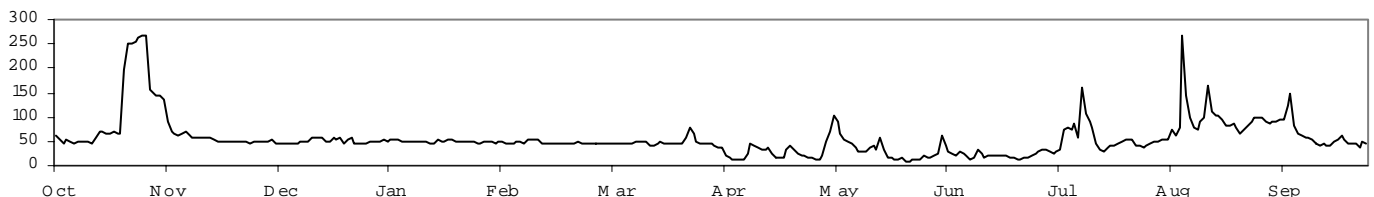
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	91	47	50	49	45	44	14	16	28	44	97
2	52	68	46	54	51	44	43	22	21	31	51	91
3	47	64	46	54	47	44	39	49	26	32	49	87
4	55	62	46	52	46	44	35	68	61	28	52	92
5	48	67	46	51	47	44	21	103	43	26	53	89
6	46	68	46	50	48	44	15	91	30	28	54	95
7	50	62	47	51	48	44	14	64	25	31	75	93
8	49	59	50	50	45	45	14	55	21	74	60	124
9	49	57	51	50	53	45	14	49	28	78	80	146
10	49	56	50	50	53	47	13	47	24	73	267	82
11	45	56	57	48	52	50	26	36	21	85	145	66
12	57	58	57	48	52	50	46	30	14	59	99	63
13	69	56	59	47	47	51	42	28	18	159	80	58
14	68	53	57	47	47	48	37	28	33	107	72	56
15	66	50	51	53	45	43	34	37	25	89	90	52
16	66	51	49	49	46	43	32	40	18	79	98	45
17	69	50	56	50	44	46	39	31	19	44	164	42
18	67	50	52	54	44	48	24	58	19	32	109	44
19	66	49	56	52	45	47	16	31	22	29	101	42
20	196	49	47	48	47	47	15	18	19	38	103	42
21	251	49	53	50	46	46	16	16	19	41	93	48
22	249	50	58	50	47	47	34	13	19	40	84	52
23	256	48	47	48	48	45	40	14	16	47	82	61
24	263	47	46	48	46	44	31	15	17	49	85	52
25	267	49	45	48	47	56	25	8.1	14	54	79	46
26	268	48	47	47	46	78	21	9.5	14	52	66	46
27	158	48	49	47	45	65	21	11	18	52	75	45
28	148	48	48	49	45	50	18	12	18	40	81	38
29	144	51	51	50	---	46	17	13	20	42	92	49
30	143	53	51	48	---	45	14	22	26	37	99	44
31	136	---	53	46	---	44	---	17	---	42	97	---
TOTAL	3558	1667	1564	1539	1326	1485	800	1049.6	684	1646	2779	1987
MEAN	115	56	51	50	47	48	27	33.9	23	53	90	66
AC-FT	7060	3310	3100	3050	2630	2950	1590	2080	1360	3260	5510	3940
MAX	268	91	59	54	53	78	46	103	61	159	267	146
MIN	45	47	45	46	44	43	13	8.1	14	26	44	38

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	20084.6	MEAN	55	MAX	268	MIN	8.1	AC-FT	39840

MAX DISCH: 333 CFS AT 20:45 ON Oct. 24, 2001 GH 2.67 FT. SHIFT -0.06 FT.  
MAX GH: 2.67 FT. AT 20:45 ON Oct. 24, 2001

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



PLATTE RIVER BASIN

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

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--1,056 mi<sup>2</sup>. Sporadic and somewhat unreliable data from June 1881 to Aug. 1883. Reliable data from Oct. 1883 to current year. Periodic water-quality data from 1962 to 1995.

**GAGE.**--F-type water-stage recorder and satellite monitoring in concrete shelter and well with supplemental outside chain gage.

**REMARKS.**--The primary record is hourly data taken from satellite monitoring with chart back-up. Record is complete and reliable except for the following periods: November 13-19 ice affected; November 20-30, December 1-31, January 1-31, February 1-28, and March 1-5 the station was closed. Mean daily chart values were used October 29, 2000 and April 1, 2001 to correct for Daylight Savings Time, as well as March 6-31. Record is good, except for the ice affected period of November 13-19, and the period from November 20 until March 5 when the station was closed and the record was estimated. Record is good. Station maintained and record developed by George Sievers.

**RATING TABLE.**--CLAFTSH01 USED FROM 01-OCT-2000 TO 08-JUN-2001  
 CLAFTSH02 USED FROM 08-JUN-2001 TO 30-SEP-2001

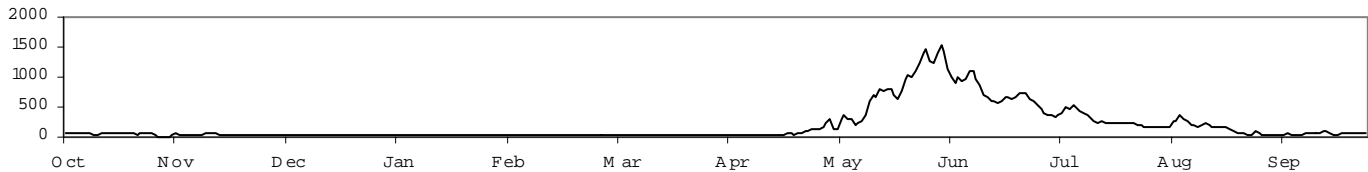
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	62	34	26	22	23	32	166	1230	478	171	32
2	70	26	29	26	25	24	32	250	1400	416	176	29
3	64	33	24	24	23	25	35	299	1540	374	162	20
4	60	33	28	23	26	26	39	119	1440	360	167	25
5	69	33	25	25	28	25	44	134	1150	349	165	23
6	61	42	25	26	26	32	36	306	1010	356	161	29
7	55	31	34	26	25	31	35	351	897	384	263	37
8	52	41	34	24	29	36	30	311	987	510	256	63
9	46	56	33	21	26	31	27	306	924	476	360	46
10	47	53	28	21	29	35	29	195	964	533	287	40
11	52	52	25	24	24	29	42	241	1090	499	256	38
12	51	61	28	23	28	27	30	276	1110	443	215	47
13	51	22	28	23	21	26	28	367	962	414	191	69
14	51	22	28	25	29	27	27	594	859	369	180	59
15	52	30	28	24	29	20	26	688	714	315	192	63
16	56	33	31	26	37	19	26	682	656	252	224	60
17	58	41	26	25	50	25	28	788	614	240	209	65
18	54	37	24	26	35	24	27	752	587	255	175	105
19	52	32	26	27	31	27	34	803	558	233	166	108
20	51	32	22	23	30	34	46	815	613	222	159	72
21	50	35	26	23	31	37	53	700	661	245	157	49
22	51	38	22	22	33	36	77	617	663	240	158	46
23	58	40	23	24	32	38	49	775	623	239	141	78
24	63	31	21	29	31	37	62	951	654	243	103	67
25	70	33	21	30	30	36	73	1030	730	239	80	62
26	41	31	28	27	34	38	95	988	734	222	67	54
27	16	30	30	24	28	38	114	1100	740	233	58	52
28	16	34	27	27	25	34	124	1250	632	187	45	54
29	16	31	27	29	---	32	138	1400	594	187	50	59
30	15	34	26	26	---	37	149	1460	533	177	91	58
31	44	---	26	25	---	39	---	1270	---	175	64	---
TOTAL	1570	1109	837	774	817	948	1587	19984	25869	9865	5149	1609
MEAN	51	37	27	25	29	31	53	645	862	318	166	54
AC-FT	3110	2200	1660	1540	1620	1880	3150	39640	51310	19570	10210	3190
MAX	78	62	34	30	50	39	149	1460	1540	533	360	108
MIN	15	22	21	21	21	19	26	119	533	175	45	20

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
 WTR YR 2001 TOTAL 70118 MEAN 192 MAX 1540 MIN 15 AC-FT 139100

MAX DISCH: 1740 CFS AT 05:15 ON May 30, 2001 GH 4.88 FT. SHIFT 0.00 FT.  
 MAX GH: 4.88 FT. AT 05:15 ON May 30, 2001

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



PLATTE RIVER BASIN

06752500 CACHE LA POUVRE 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 15 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 in a 48" metal shelter and well with wire weight gage on bridge above the station. Elevation of gage is 4,610 ft above National Geodetic Vertical Datum of 1929, from topographic map.

**REMARKS.**--Primary record is taken from the hourly satellite gage readings and is mostly complete. The a-35 chart values were used October 29, 2000 and April 1, 2001. These two days were the end and beginning of daylight savings time. Chart values were used for the following days: January 25 because there was a flush correction. April 24 because the satellite data was missing. The record is good except for the following periods: October 10, January 25, February 13, when there were flush corrections. November 21 to December 12, when the close in inlet was closed and the station was operating on inlets buried out in the main channel. Also the periods of lower daily flow June 18, August 28-29, September 2-5, 23, 29 and higher daily flow May 5, 8-9, 18-20 and July 13. Station maintained and records developed by George Sievers.

**RATING TABLE.**--CLAGRECO26 USED FROM 01-OCT-2000 TO 30-SEP-2001

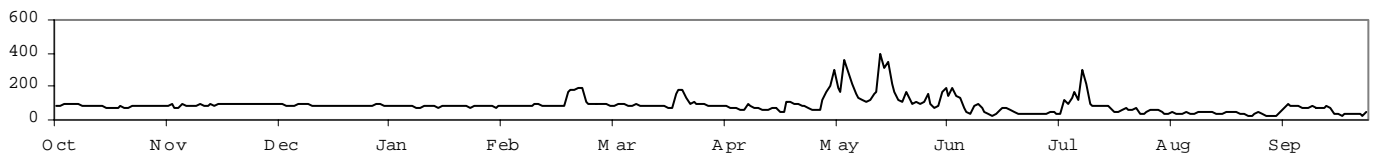
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	89	92	86	83	94	80	66	96	36	58	39
2	90	91	91	81	86	93	83	116	69	36	59	28
3	93	72	91	81	86	92	81	167	85	39	58	24
4	97	74	90	81	83	90	80	209	165	52	49	23
5	99	93	90	82	90	90	79	295	189	43	40	20
6	94	86	90	81	90	91	78	196	146	41	40	44
7	94	82	93	79	89	91	71	169	198	31	44	70
8	89	82	91	79	88	91	70	356	142	118	33	94
9	89	82	95	78	89	90	66	289	130	98	38	85
10	86	91	91	78	90	90	66	213	67	131	42	79
11	84	87	84	80	92	92	97	155	46	164	43	84
12	79	90	89	81	91	90	79	136	39	122	39	73
13	83	91	87	81	90	87	72	124	79	300	37	73
14	79	90	85	79	88	83	67	103	98	217	46	71
15	75	97	88	78	87	79	64	117	74	93	51	83
16	77	96	82	84	87	80	58	155	53	84	53	73
17	78	95	81	85	87	79	61	171	41	79	52	78
18	77	93	82	85	86	80	75	395	21	82	51	68
19	79	97	83	85	88	79	67	312	36	89	40	84
20	77	99	87	84	163	77	50	344	60	79	34	68
21	76	97	85	82	178	77	52	218	73	68	37	41
22	85	95	85	81	183	160	108	167	71	51	47	37
23	90	93	83	81	188	175	106	119	60	53	47	29
24	87	94	80	77	189	183	99	107	44	65	51	37
25	87	94	81	81	111	131	93	172	40	70	43	36
26	86	91	79	82	97	98	87	123	40	57	34	32
27	84	92	81	82	94	104	86	100	41	66	31	34
28	85	92	87	85	92	101	68	103	40	67	30	32
29	86	93	92	87	---	97	58	97	36	38	29	28
30	84	93	98	79	---	91	62	106	34	35	41	43
31	87	---	90	78	---	89	---	157	---	44	44	---
TOTAL	2643	2711	2703	2523	2965	3044	2263	5557	2313	2548	1341	1610
MEAN	85	90	87	81	106	98	75	179	77	82	43	54
AC-FT	5240	5380	5360	5000	5880	6040	4490	11020	4590	5050	2660	3190
MAX	99	99	98	87	189	183	108	395	198	300	59	94
MIN	75	72	79	77	83	77	50	66	21	31	29	20

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 32221 MEAN 88.3 MAX 395 MIN 20 AC-FT 63910

MAX DISCH: 1180 CFS AT 21:15 ON Jul. 13, 2001 GH 5.21 FT. SHIFT -0.16 FT.  
MAX GH: 5.21 FT. AT 21:15 ON Jul. 13, 2001

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



PLATTE RIVER BASIN

06754000 SOUTH PLATTE RIVER NEAR KERSEY, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--9,598 mi<sup>2</sup>. May 1901 to Dec. 1903, Mar. 1905 to current year. Monthly totals only for some periods. Periodic water-quality data available from 1950.

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

**REMARKS.**--The primary record is hourly data taken from the manometer. The manometer-encoder tracking was checked by comparison to chart mean gage heights. Satellite data checked against the chart to ±0.02 ft. Record is rated fair due to manometer operation and channel instability, except for the following days, which were estimated: December 11-12; April 13; June 16-19. Station maintained and record developed by George Sievers.

**RATING TABLE.**--PLAKERCO22 USED FROM 01-OCT-2000 TO 13-MAR-2001  
 PLAKERSH01 USED FROM 13-MAR-2001 TO 10-MAY-2001  
 PLAKERSH02-04 USED FROM 10-MAY-2001 TO 14-JUL-2001  
 PLAKERSH05 USED FROM 14-JUL-2001 TO 02-AUG-2001  
 PLAKERCO22 USED FROM 02-AUG-2001 TO 06-SEP-2001  
 PLAKERSH06 USED FROM 06-SEP-2001 TO 30-SEP-2001

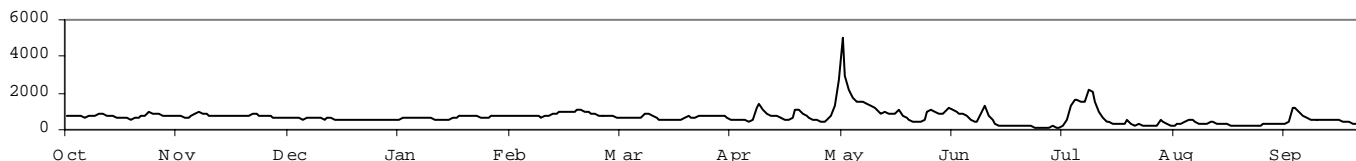
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	814	746	637	566	713	767	744	432	950	138	224	280
2	782	736	616	546	711	736	770	513	852	140	255	304
3	737	700	620	631	713	720	721	739	853	139	542	315
4	720	691	608	680	726	708	637	1280	985	172	384	317
5	750	739	608	695	727	700	600	2690	1200	162	298	310
6	709	871	598	698	752	694	573	5000	1140	156	266	324
7	750	997	602	682	761	688	550	2990	995	238	264	358
8	750	874	639	679	732	669	547	2160	822	517	359	485
9	767	842	644	688	721	656	507	1760	864	1290	304	1240
10	819	814	642	690	715	657	387	1570	738	1670	465	1180
11	847	805	620	696	706	694	493	1520	571	1650	540	934
12	805	802	600	584	733	871	1230	1480	446	1480	498	724
13	794	782	607	520	765	872	1390	1420	441	1540	395	615
14	760	762	607	510	868	788	1070	1270	920	2170	329	556
15	692	787	598	495	921	653	836	1150	1340	2090	306	560
16	642	774	572	525	952	577	756	1060	780	1520	330	568
17	621	764	545	642	986	553	785	888	540	1010	467	565
18	608	762	531	680	953	549	788	940	320	631	418	563
19	588	771	545	710	941	539	682	926	210	457	329	579
20	635	779	549	712	1010	514	577	881	238	385	301	569
21	705	779	533	715	1080	498	504	838	240	324	273	523
22	720	836	527	716	1060	587	635	1070	257	298	278	491
23	761	878	541	721	1020	672	1050	790	222	286	242	462
24	962	812	525	715	1000	720	1080	614	201	302	242	437
25	909	778	520	703	899	693	888	543	188	549	238	402
26	900	763	515	708	831	670	777	461	174	310	213	359
27	835	746	529	708	794	744	679	401	165	265	196	334
28	807	696	552	724	769	795	597	439	164	278	190	325
29	791	653	582	745	---	768	523	534	147	242	186	338
30	758	647	595	727	---	748	468	985	131	226	219	350
31	758	---	578	715	---	770	---	1120	---	226	253	---
TOTAL	23496	23386	17985	20526	23559	21270	21844	38464	17094	20861	9804	15367
MEAN	758	780	580	662	841	686	728	1241	570	673	316	512
AC-FT	46600	46390	35670	40710	46730	42190	43330	76290	33910	41380	19450	30480
MAX	962	997	644	745	1080	872	1390	5000	1340	2170	542	1240
MIN	588	647	515	495	706	498	387	401	131	138	186	280

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
 WTR YR 2001 TOTAL 253656 MEAN 695 MAX 5000 MIN 131 AC-FT 503100

MAX DISCH: 5820 CFS AT 14:15 ON May. 6, 2001 GH 8 FT. SHIFT -0.27 FT.  
 MAX GH: 8 FT. AT 14:15 ON May. 6, 2001

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



PLATTE RIVER BASIN

06758500 SOUTH PLATTE RIVER NEAR WELDONA, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--13,245 mi<sup>2</sup>. October 1952 to current year.

**GAGE.**--Graphic water-stage recorder with satellite monitoring in metal pipe shelter and well. A new station was installed and operation began on May 2, 1991.

**REMARKS.**--The primary record is hourly data taken from satellite monitoring with chart back up. The record is complete and reliable. Chart values for the period between May 17 and June 4 were not computed as the low-end reversal on the chart recorder was not working properly. Mean gage heights from the chart were used October 29 2000, and April 1, 2001 to compute discharge on daylight savings time days. Chart values were also used on October 31 and November 1 when transmissions were not received because the radio failed because of a low battery. Record is considered fair because of all the shifting sand. Station maintained and record developed by George Sievers.

**RATING TABLE.**--PLAWELSH01 USED FROM 01-OCT-2000 TO 12-JAN-2001  
 PLAWELCO16 USED FROM 12-JAN-2001 TO 14-MAR-2001  
 PLAWELSH02 USED FROM 14-MAR-2001 TO 26-APR-2001  
 PLAWELCO16 USED FROM 26-APR-2001 TO 02-MAY-2001  
 PLAWELSH03 USED FROM 02-MAY-2001 TO 07-MAY-2001  
 PLAWELSH04 USED FROM 07-MAY-2001 TO 27-JUN-2001  
 PLAWELCO16 USED FROM 27-JUN-2001 TO 05-JUL-2001  
 PLAWELSH05 USED FROM 05-JUL-2001 TO 17-JUL-2001  
 PLAWELSH06 USED FROM 17-JUL-2001 TO 01-AUG-2001  
 PLAWELCO16 USED FROM 01-AUG-2001 TO 20-AUG-2001  
 PLAWELSH07 USED FROM 20-AUG-2001 TO 07-SEP-2001  
 PLAWELSH08 USED FROM 07-SEP-2001 TO 24-SEP-2001  
 PLAWELCO16 USED FROM 24-SEP-2001 TO 09-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	327	133	244	447	492	510	504	62	773	219	274	175
2	285	199	231	430	496	498	564	49	644	208	293	220
3	267	318	223	405	508	490	549	58	540	208	298	262
4	246	310	213	442	519	482	494	157	627	212	553	273
5	244	332	190	486	528	413	378	1090	806	232	472	251
6	237	356	189	493	535	389	343	3030	1220	241	376	214
7	239	367	193	493	553	380	273	4190	1120	274	358	254
8	260	390	211	494	543	313	203	2540	993	300	335	419
9	253	279	222	496	541	280	185	1860	847	497	405	552
10	252	227	234	496	598	272	193	1530	913	1220	430	929
11	251	202	222	598	604	263	268	1390	814	1420	538	915
12	254	177	275	775	613	263	257	1300	551	1080	614	695
13	250	166	429	623	643	413	963	1280	288	588	568	533
14	244	153	662	447	643	473	1120	1150	230	1100	516	432
15	240	139	696	409	552	424	883	926	645	1280	485	408
16	222	142	701	393	588	358	662	730	843	1020	483	422
17	204	119	688	392	603	320	495	629	411	580	493	461
18	128	109	681	474	616	301	391	557	217	267	593	453
19	108	106	703	500	599	279	344	639	126	134	579	412
20	54	106	598	514	555	282	230	662	98	195	502	395
21	41	111	614	509	613	282	150	661	127	362	311	371
22	92	110	559	511	685	268	147	758	131	282	390	331
23	111	112	524	526	710	151	219	1010	174	269	391	332
24	107	159	559	536	699	99	728	750	141	327	207	312
25	175	151	533	527	686	95	714	561	91	349	112	277
26	166	130	486	517	625	90	622	546	143	763	74	245
27	160	118	455	518	573	115	402	560	131	595	150	210
28	186	118	429	528	540	467	216	490	141	546	138	187
29	192	315	413	529	---	586	141	533	162	586	123	164
30	151	266	424	519	---	442	87	705	238	419	125	157
31	133	---	463	496	---	472	---	916	---	345	106	---
TOTAL	6079	5920	13264	15523	16460	10470	12725	31319	14185	16118	11292	11261
MEAN	196	197	428	501	588	338	424	1010	473	520	364	375
AC-FT	12060	11740	26310	30790	32650	20770	25240	62120	28140	31970	22400	22340
MAX	327	390	703	775	710	586	1120	4190	1220	1420	614	929
MIN	41	106	189	392	492	90	87	49	91	134	74	157

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
 WTR YR 2001 TOTAL 164616 MEAN 451 MAX 4190 MIN 41 AC-FT 326500

MAX DISCH: 4790 CFS AT 06:45 ON May. 7, 2001 GH 6.13 FT. SHIFT 0.77 FT.  
 MAX GH: 6.13 FT. AT 06:45 ON May. 7, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
 NO CHART AVAILABLE.

PLATTE RIVER BASIN

06759910 SOUTH PLATTE RIVER AT BALZAC, CO

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

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

**GAGE.**--Graphic water-stage A-35 recorder with satellite telemetry in a concrete shelter and well.

**REMARKS.**--The primary record is hourly data taken from satellite monitoring with chart back up. The record is complete and reliable except for the following days. October 13, November 30, December 1, February 20, May 2, and June 19-20---Inlets plugged. Mean daily chart values were used October 29, and April 1 to correct for Daylight Savings Time. September 9 was the only day when there was a problem with both the A-35 and the DCP. This day lacked 4 hours of satellite data and the recorder clock was stopped. It was estimated. Record is good, except for the days with plugged inlets, which were fair. These days are: October 13, November 30, December 1, February 20, May 2, June 19-20; Also September 9, with incomplete satellite data and no A-35, chart was estimated and considered fair. Station maintained and record developed by George Sievers.

**RATING TABLE.**--PLABALSH01 USED FROM 01-OCT-2000 TO 03-OCT-2000 PLABALCO03 USED FROM 03-OCT-2000 TO 31-OCT-2000  
 PLABALSH02 USED FROM 31-OCT-2000 TO 20-NOV-2000 PLABALCO03 USED FROM 20-NOV-2000 TO 12-DEC-2000  
 PLABALSH02 USED FROM 12-DEC-2000 TO 25-JAN-2001 PLABALCO03 USED FROM 25-JAN-2001 TO 09-APR-2001  
 PLABALSH03 USED FROM 09-APR-2001 TO 02-MAY-2001 PLABALCO03 USED FROM 02-MAY-2001 TO 17-MAY-2001  
 PLABALSH04 USED FROM 17-MAY-2001 TO 20-JUN-2001 PLABALCO03 USED FROM 20-JUN-2001 TO 09-JUL-2001  
 PLABALSH05 USED FROM 09-JUL-2001 TO 20-AUG-2001 PLABALCO03 USED FROM 20-AUG-2001 TO 09-OCT-2001

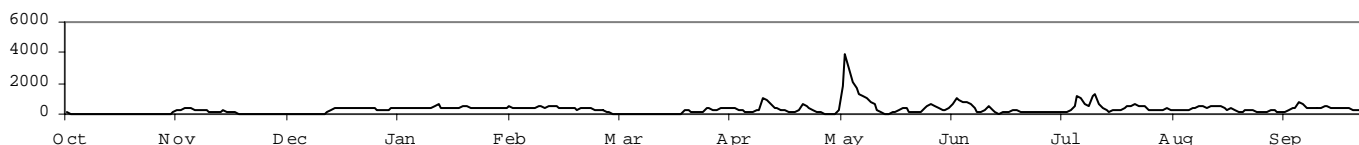
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	210	16	405	424	180	312	29	546	147	260	137
2	52	218	18	381	465	66	389	20	450	140	306	164
3	29	331	17	359	444	36	390	26	273	147	285	205
4	24	383	17	329	408	35	429	48	272	156	252	216
5	22	381	17	345	394	35	395	301	403	137	362	193
6	22	320	18	368	387	37	328	1800	604	148	309	179
7	22	224	17	385	406	35	293	3850	988	150	276	186
8	22	260	18	386	440	33	226	2980	978	164	256	270
9	22	232	18	396	429	33	171	2110	799	210	267	350
10	22	193	19	407	524	34	145	1700	720	472	298	412
11	22	191	18	403	535	33	188	1300	637	1180	309	742
12	21	181	29	535	408	34	205	1120	433	994	408	606
13	21	188	120	588	475	48	196	985	182	651	415	451
14	22	220	267	388	549	52	1080	804	161	500	495	417
15	23	114	377	384	471	46	869	594	212	1120	460	423
16	23	91	390	399	397	32	643	270	490	1280	441	391
17	22	81	410	365	413	30	445	132	261	679	458	421
18	22	51	425	365	443	30	344	55	123	395	469	483
19	20	35	455	447	452	30	276	38	40	225	510	479
20	22	23	440	468	330	31	203	79	130	153	478	401
21	21	15	332	470	230	31	134	165	151	219	435	401
22	20	16	385	427	355	31	123	258	155	259	274	361
23	21	16	376	416	393	229	138	408	216	210	337	338
24	20	17	339	425	402	200	246	354	242	361	297	351
25	28	17	350	410	341	159	701	160	169	484	159	335
26	37	19	348	376	283	117	508	118	126	552	112	276
27	30	19	314	366	324	84	412	181	117	633	204	259
28	29	20	326	402	319	106	206	159	105	531	247	236
29	35	20	323	377	---	399	131	336	91	525	202	238
30	27	18	311	375	---	360	86	457	118	491	177	210
31	142	---	338	388	---	279	---	678	---	315	173	---
TOTAL	971	4104	6848	12535	11441	2885	10212	21515	10192	13628	9931	10131
MEAN	31	137	221	404	409	93	340	694	340	440	320	338
AC-FT	1930	8140	13580	24860	22690	5720	20260	42680	20220	27030	19700	20090
MAX	142	383	455	588	549	399	1080	3850	988	1280	510	742
MIN	20	15	16	329	230	30	86	20	40	137	112	137

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
 WTR YR 2001 TOTAL 114393 MEAN 313 MAX 3850 MIN 15 AC-FT 226900

MAX DISCH: 4420 CFS AT 16:00 ON May. 7, 2001 GH 5.1 FT. SHIFT 0.31 FT.  
 MAX GH: 5.1 FT. AT 16:00 ON May. 7, 2001

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





06763990 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 2

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--23,193 mi<sup>2</sup>. April 1902 to current year. Monthly data only for some periods. Published as near Julesburg and at Ovid in earlier years. Water quality data available from 1945 to 1995.

**GAGE.**--Water-stage graphic recorder (manometer) with satellite telemetry. Stilling well and shelter installed on bridge with shaft encoder connection to DCP June 26, 1997. 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.**--The primary record was hourly data taken from the Acububbler. The record is complete except for the following period: The Accububbler failed after being reset on May 16. Record for May 16-23 was taken from mean daily gage heights from the bridge well encoder. Record for May 24-31 was missing and was estimated by interpolation to adjacent good record. Record is fair, except for the periods summarized below which are estimated: November 14-20, December 15-February 22, May 24-31. Also, the record for September 26 & 27 should be considered poor because of lack of calibration, and poor correlation to flows in the other channels. Station maintained and record developed by Div. 1 Hydrographic Staff.

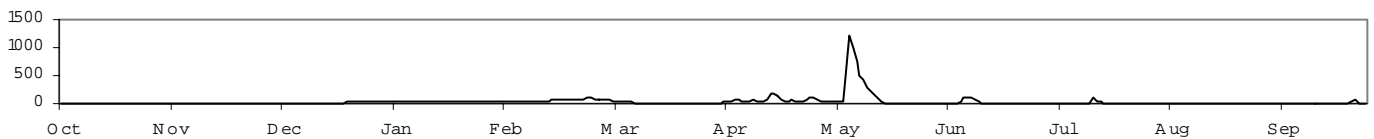
**RATING TABLE.**--PLAJURCO19 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	4.2	1.1	27	48	65	6.2	38	1.2	.03	.29	0
2	11	3.2	.97	29	49	68	7.8	28	2.6	0	1.4	0
3	11	4	.84	34	46	64	13	26	2.1	0	.82	0
4	10	2.7	3.5	33	45	44	27	23	2.1	0	.44	0
5	9.3	2.9	.88	32	41	30	41	31	2.6	0	.4	0
6	9.2	3.2	.83	31	44	25	47	27	2.4	0	.33	0
7	11	3.7	.87	31	47	23	54	25	3.5	0	.26	0
8	13	6.5	.84	32	52	21	54	432	9.9	0	.13	0
9	14	10	.83	33	52	19	45	1210	42	0	.04	0
10	14	8.1	1.5	33	52	17	39	985	111	.06	.01	0
11	12	7.1	1.5	32	52	13	45	751	120	0	0	0
12	11	15	1.3	33	52	11	62	506	109	0	0	0
13	11	3	1	33	52	9.1	52	444	69	0	0	0
14	12	4	2.7	32	53	8.3	38	302	45	0	0	.61
15	11	4	5.3	32	63	7.6	35	212	14	0	0	2
16	9.5	4	5	36	63	6.3	60	145	4.4	94	0	3.2
17	7.9	4	6	35	63	5.1	171	96	2	18	0	3.3
18	7	4	7	34	63	4.6	171	34	1.6	24	0	4.5
19	5.7	4	9	33	64	4.3	143	16	1.5	9.3	0	3.7
20	4.1	4	18	32	64	3.5	84	7.3	.87	1.1	0	1.4
21	3.2	9	28	41	64	3.6	43	4.9	.63	.38	0	.87
22	5.1	9	33	40	64	3.7	40	4.4	.59	.4	0	.87
23	5.9	9	31	39	78	3.1	55	3.7	.47	.19	0	.99
24	6.1	8	32	38	83	4.9	45	3	.31	1.4	.4	.9
25	4.2	5.8	32	37	95	7	48	2.3	.15	.23	.6	2.6
26	3.2	4.5	31	36	97	7.8	42	1.7	.1	.21	.56	32
27	2.9	3.4	32	35	77	7.2	55	1.3	.01	.17	.28	72
28	4.3	3.1	32	38	75	8.2	97	1.1	0	.13	.08	6.3
29	8.7	2.2	27	34	---	7.6	91	1	0	.04	0	0
30	4.5	1.6	27	33	---	6.2	66	.93	0	.16	0	0
31	3.8	---	27	34	---	3.5	---	.93	---	.23	0	---
TOTAL	255	157.2	400.96	1052	1698	511.6	1777	5363.56	549.03	150.03	6.04	135.24
MEAN	8.2	5.2	12.9	34	61	16.5	59.2	173	18.3	4.84	.19	4.51
AC-FT	506	312	795	2090	3370	1010	3520	10640	1090	298	12	268
MAX	14	15	33	41	97	68	171	1210	120	94	1.4	72
MIN	2.9	1.6	.83	27	41	3.1	6.2	.93	0	0	0	0
CAL YR 2000	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC-FT	0	
WTR YR 2001	TOTAL	12055.66	MEAN		33	MAX	1210	MIN	0	AC-FT	23910	

MAX DISCH: 1330 CFS AT 06:00 ON May. 9, 2001 GH 5.84 FT. SHIFT 0.2 FT. DATUM CORRECTION +0.03  
MAX GH: 5.84 FT. AT 06:00 ON May. 9, 2001

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



PLATTE RIVER BASIN

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

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

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

GAGE.--Graphic water stage recorder (manometer) with satellite telemetry. Wire weight gage on bridge and supplemental staff gage on bridge pier. DCP data is the primary record with chart as backup.

REMARKS.--The primary record is the hourly satellite data. The record is complete and reliable except for following periods: November 14-23; December 15-February 22: Stage-discharge relationship affected by ice. Includes Feb. 9-13 when the satellite monitoring was not working and no GH data was received. February 23-March 5: Orifice conduit dragging loose from bridge pier. Repaired on March 5. July 31-August 14: A large calibration (-0.21 ft.) correction was made on July 31 and prorated back to zero on July 31. Record is fair due to channel instability and instrument corrections, except for the period: July 31-August 14: the record is poor due to a large encoder correction; November 14-23, and December 15-March 5: the record was estimated. This record is added to the daily flows of channels 2,3, and 4 to form the record for the South Platte River at Julesburg, Combined flow. Station maintained and record developed by Div. 1 Hydrographic Staff.

RATING TABLE.--ONEJURCO04 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

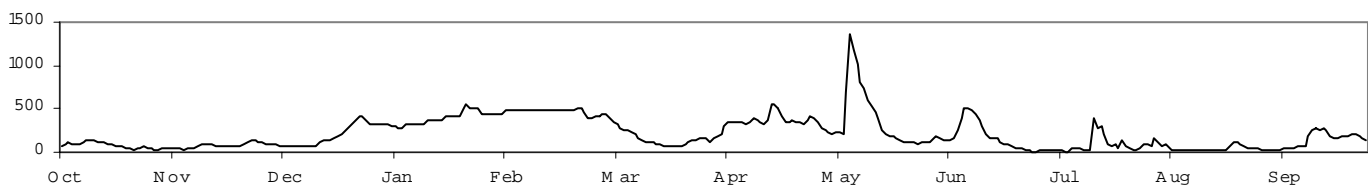
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	43	76	290	440	431	158	288	130	21	71	33
2	99	40	73	290	490	428	175	252	182	33	155	30
3	108	45	70	285	490	382	216	231	152	29	125	25
4	101	34	78	285	490	354	295	213	143	19	79	23
5	100	38	78	315	490	319	335	242	150	21	86	21
6	103	42	75	315	490	275	338	223	131	20	47	26
7	123	44	78	315	490	263	344	197	166	14	33	40
8	127	73	77	315	490	249	349	697	261	11	31	56
9	128	103	78	315	490	241	347	1370	390	9.4	25	48
10	129	97	76	315	490	211	326	1180	518	42	17	49
11	120	92	73	365	490	167	338	1020	516	45	17	66
12	113	83	124	365	490	143	384	803	485	37	18	72
13	104	74	128	365	490	123	369	739	427	31	12	78
14	96	65	142	365	490	110	338	603	379	26	26	175
15	88	65	144	365	480	109	327	537	296	13	21	243
16	79	65	164	410	480	99	372	472	216	389	20	270
17	67	65	183	410	480	83	548	385	165	279	20	253
18	65	65	202	410	480	76	547	263	168	302	18	278
19	55	65	220	410	480	77	506	210	162	207	25	256
20	40	65	280	410	480	68	423	180	115	102	28	192
21	34	90	320	500	480	66	342	176	83	68	30	167
22	40	110	365	550	510	65	341	156	86	88	25	169
23	50	140	415	500	497	71	380	149	76	46	64	185
24	59	142	415	500	461	94	347	119	49	132	119	189
25	56	124	365	500	399	125	357	118	41	59	115	183
26	37	107	315	450	397	135	333	112	37	38	100	202
27	32	100	315	450	420	139	364	107	29	30	64	211
28	33	93	315	450	422	155	419	98	22	27	56	184
29	56	82	320	450	---	161	403	112	7.9	36	42	152
30	42	81	320	450	---	152	348	112	11	89	37	134
31	41	---	320	450	---	117	---	113	---	83	39	---
TOTAL	2404	2332	6204	12165	13276	5488	10669	11477	5593.9	2346.4	1565	4010
MEAN	78	78	200	392	474	177	356	370	186	75.7	51	134
AC-FT	4770	4630	12310	24130	26330	10890	21160	22760	11100	4650	3100	7950
MAX	129	142	415	550	510	431	548	1370	518	389	155	278
MIN	32	34	70	285	397	65	158	98	7.9	9.4	12	21

WTR YR 2001 TOTAL 77530.3 MEAN 212 MAX 1370 MIN 7.9 AC-FT 153800

MAX DISCH: 1460 CFS AT 05:00 ON May. 9, 2001 GH 6.61 FT. SHIFT -0.05 FT.

MAX GH: 6.61 FT. AT 05:00 ON May. 9, 2001

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



PLATTE RIVER BASIN

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

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

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

**GAGE.**--Water-stage graphic recorder with satellite telemetry. Supplemental outside chain gage. DCP is primary record with chart as backup.

**REMARKS.**--The primary record is hourly data taken from satellite monitoring with chart backup. The record is complete. The record is reliable, except for the following periods: January 15-February 22: Stage-discharge relationship affected by ice. August 31: The daily record was estimated to compensate for a flush correction. No flow occurred in channel 3 this year. The record is Fair due to sand movement through the channel, except for the following days which were estimated: January 15-31; and February 1-22. This record is added to the daily flows of channels 1 and 2 to form the record for the South Platte River at Julesburg, Combined flow. Station maintained and record developed by Div. 1 Hydrographic Staff.

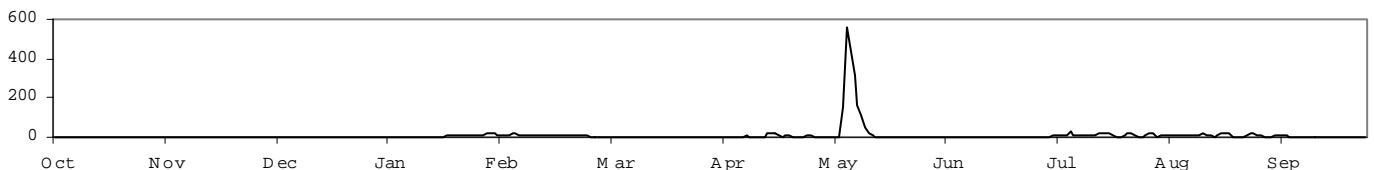
**RATING TABLE.**--PLAJULCO22 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	.39	.56	2.8	12	3.7	.88	2.3	.82	3.9	23	6.6
2	1.4	.39	.56	1.4	11	3.9	.92	1.8	.94	2.2	21	4.9
3	1.4	.39	.58	1.2	14	3.8	1	1.7	1.1	2.8	2.6	3.6
4	1.5	.46	.6	1.6	15	2.4	1	1.4	1.4	4.7	6.9	2.9
5	1.5	.61	.61	3	19	1.4	1.7	3.7	1.4	8.7	12	7.5
6	1.4	.54	.6	4.4	16	.94	2.2	1.7	1.5	12	14	8.8
7	1.5	.54	.62	3.8	13	.85	2.5	1.7	1.7	14	15	9.2
8	1.4	.54	.61	2.5	8.4	.8	2.4	156	1.5	12	12	9.3
9	1.4	.46	.63	2.1	8	.84	2	563	1.6	15	14	1.2
10	1.4	.5	.62	2	8	.78	1.9	439	4.3	29	10	.45
11	1.4	.51	.61	2.5	8	.78	5.5	312	4.8	12	6.6	.27
12	1.1	.5	.61	2.4	8	.77	3.3	163	3.8	9.1	6.9	.23
13	1.1	.49	.61	2.3	8	.77	2.6	113	2.7	7.3	8.6	.25
14	1.1	.5	.65	2.9	7	.77	1.9	47	2.1	9.2	14	.27
15	.99	.55	.69	3	7	.76	1.9	18	.7	11	12	.8
16	.99	.64	.69	4	7	.73	3.5	7.1	.57	11	17	.18
17	.92	.65	.73	5	7	.74	17	3	.57	10	15	.34
18	.84	.68	.9	6	7	.76	20	1.2	.55	16	5.6	4.9
19	.77	.67	1	7	6	.75	17	.87	.61	20	2.3	.39
20	.77	.69	1.6	8	6	.77	8.2	.89	.66	19	8.4	.3
21	.77	.67	2.2	9	6	.8	3.3	.95	.64	16	16	.29
22	1.1	.61	2.1	10	6	.76	7.9	1.1	.84	6	16	.28
23	.54	.58	3.7	11	5.4	.77	5.4	1.1	.95	2.4	22	.28
24	.54	.54	3.4	12	5.9	.75	3.8	.93	.69	3	2.6	.28
25	.54	.54	2.9	13	5.9	.77	3.7	.88	.69	9.6	.64	.27
26	.54	.54	3.5	14	5.9	.83	3.4	.83	.52	23	.43	.26
27	.54	.54	3	15	3.1	.86	3.9	.84	.7	21	1	.27
28	1.1	.55	3	12	3.4	.88	6.8	.8	1.7	10	6	.29
29	.99	.54	2.9	16	---	.92	5.8	3.1	1.6	4.4	16	.28
30	.46	.56	3.3	17	---	1.1	3.8	.81	1.7	3.5	19	.28
31	.39	---	2.8	16	---	.89	---	.74	---	11	14	---
TOTAL	31.59	16.37	46.88	212.9	237	36.34	145.2	1850.44	43.35	338.8	340.57	65.16
MEAN	1.02	.55	1.51	6.9	8.5	1.17	4.84	59.7	1.45	10.9	11	2.17
AC-FT	63	32	93	422	470	72	288	3670	86	672	676	129
MAX	1.5	.69	3.7	17	19	3.9	20	563	4.8	29	23	9.3
MIN	.39	.39	.56	1.2	3.1	.73	.88	.74	.52	2.2	.43	.18
CAL YR 2000	TOTAL		0	MEAN	0	MAX	0	MIN	0	AC-FT	0	
WTR YR 2001	TOTAL		3364.6	MEAN	9.22	MAX	563	MIN	.18	AC-FT	6670	

MAX DISCH: 627 CFS AT 06:00 ON May. 9, 2001 GH 3.96 FT. SHIFT 0.05 FT.  
MAX GH: 3.96 FT. AT 06:00 ON May. 9, 2001

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



PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)

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

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

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

REMARKS.--Combined flow record is rated as fair due to channel instability and the use of manometers to collect data. Combined flow should be called estimated for the following periods: November 14-23; Channel 1 Ice; December 15-February 22; Ice in all channels February 23-March 5; Channel 1 Orifice line broken off from bridge. The combined flow peak was computed by hand by adding the hourly discharges up for all 3 channels. Records developed by Div 1 Hydrographic Staff. **Due to a corrupted records spreadsheet, incorrect data was transmitted to the USGS for their 2001 publication, including May 9 (USGS--1910, corrected = 3140), May 10 (USGS 1540, corrected = 2600), May 11 (USGS 1540, corrected = 2080), as well as many changes to estimated days in the winter. The yearly total in the USGS publication was 87706, with the correct total being 92950. Only the published USGS figure was affected; the USGS WATSTORE data base was edited with the correct figures.**

JULESBURG COMBINED

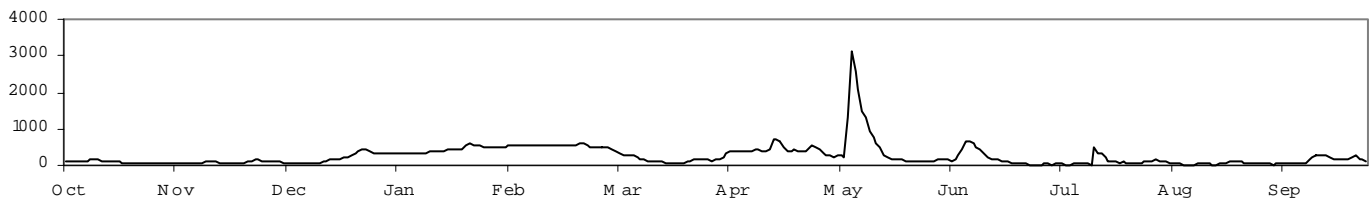
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	48	78	320	500	500	165	328	132	25	94	40
2	111	44	75	320	550	500	184	282	186	35	177	35
3	120	49	71	320	550	450	230	259	155	32	128	29
4	113	37	82	320	550	400	323	237	147	24	86	26
5	111	42	79	350	550	350	378	277	154	30	98	29
6	114	46	76	350	550	301	387	252	135	32	61	35
7	136	48	79	350	550	287	401	224	171	28	48	49
8	141	80	78	350	550	271	405	1290	272	23	43	65
9	143	113	79	350	550	261	394	3140	434	24	39	49
10	144	106	78	350	550	229	367	2600	633	71	27	49
11	133	100	75	400	550	181	389	2080	641	57	24	66
12	125	99	126	400	550	155	449	1470	598	46	25	72
13	116	77	130	400	550	133	424	1300	499	38	21	78
14	109	70	145	400	550	119	378	952	426	35	40	176
15	100	70	150	400	550	117	364	767	311	24	33	246
16	89	70	170	450	550	106	436	624	221	494	37	273
17	76	70	190	450	550	89	736	484	168	307	35	257
18	73	70	210	450	550	81	738	298	170	342	24	287
19	61	70	230	450	550	82	666	227	164	236	27	260
20	45	70	300	450	550	72	515	188	117	122	36	194
21	38	100	350	550	550	70	388	182	84	84	46	168
22	46	120	400	600	580	69	389	162	87	94	41	170
23	56	150	450	550	580	75	440	154	77	49	86	186
24	66	151	450	550	550	100	396	123	50	136	122	190
25	61	130	400	550	500	133	409	121	42	69	116	186
26	41	112	350	500	500	144	378	115	38	61	101	234
27	35	104	350	500	500	147	423	109	30	51	65	283
28	38	97	350	500	500	164	523	100	24	37	62	191
29	66	85	350	500	---	170	500	116	10	40	58	152
30	47	83	350	500	---	159	418	114	13	93	56	134
31	45	---	350	500	---	121	---	115	---	94	53	---
TOTAL	2689	2511	6651	13430	15210	6036	12593	18690	6189	2833	1909	4209
MEAN	87	84	215	433	543	195	420	603	206	91	62	140
AC-FT	5330	4980	13190	26640	30170	11970	24980	37070	12280	5620	3790	8350
MAX	144	151	450	600	580	500	738	3140	641	494	177	287
MIN	35	37	71	320	500	69	165	100	10	23	21	26

WTR YR 2001 TOTAL 92950 MEAN 255 MAX 3140 MIN 10 AC-FT 184400

MAX DISCH: 3420 CFS AT 06:00 ON May 09, 2001 GH 6.61 FT. (Channel One)  
MAX GH: 6.61 FT. AT 06:00 ON May 09, 2001

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



## PLATTE RIVER BASIN

## TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO

## TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO

IRRIGATION YEAR 2001 (November 2000 - October 2001)

## FROM THE COLORADO RIVER BASIN

NAME	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
Adams Tunnel*	8376.4	15996	16677	13908	8875.7	1659.9	7214.9	14446	14987	12842	11808	9084.2	135,875
Aurora Homestake	1951	2114	1514.7	2407	2111	1998	2205	2040	2145	2139	1745	2142	24,512
Berthoud Pass Ditch	0	0	0	0	0	0	0	167.9 5	83.8	16.21	0	0	268
Boreas Pass Ditch	0	0	0	0	0	0	3.87	62.5	27.87	1.05	0	0	95
Grand River Ditch	0	0	0	0	0	0	1556	4585	1435	447	252	9.62	8,285
Hoosier Pass Ditch	0	0	0	0	0	3.26	1079	733.7	118.51	79.92	515.27	524.41	3,054
Moffat Tunnel**	790	614	397	280.6	272.6	519.8	8760	12728	4355	1859	1994	1443	34,013
Roberts Tunnel	1502.8	3062	4409	4939	6696	6086	2543	7506	5173	5473	5491	5813	58,694
Straight Creek Tunnel	8.7	8.99	8.99	8.12	8.99	8.7	10.85	36	30.38	14.88	8.7	8.99	162
Vidler Tunnel	0	0	0	0	0	0	0	36.4	108.7	40.84	0.37	0	186
TOTALS FROM THE COLORADO RIVER BASIN (DAY-CFS)													265,144
TOTALS FROM THE COLORADO RIVER BASIN (ACRE-FT)													525,913

\*West slope water only

\*\*Includes all flow in August P.

Gumlick Tunnel

## FROM THE LARAMIE RIVER BASIN

NAME	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
Bob Creek Ditch	0	0	0	0	0	0	8.8	0	0	0	0	0	9
Deadman Ditch	0	0	0	0	0	0	142.2	105.8	1.47	0	0	0	249
Laramie-Poudre Tunnel	0	0	0	0	0	0	1217	3260	1472	645.9	0	0	6,595
Skyline Ditch	0	0	0	0	0	0	19.49	0	0	0	0	0	19
Columbine Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS FOR THE LARAMIE RIVER AGREEMENT (DAY-CFS)													6,873
TOTALS FOR THE LARAMIE RIVER AGREEMENT (ACRE-FT)													13,632

Wilson Supply Ditch (Gage)	0	0	0	0	0	0	551.08	180.0 3	1.12	0	0	0	732
minus Deadman Ditch	0	0	0	0	0	0	142.2	105.8	1.47	0	0	0	249
= Net Sand Cr. Diversion	0	0	0	0	0	0	408.88	74.23	-0.35	0	0	0	483

TOTALS FROM THE LARAMIE RIVER BASIN (DAY-CFS)													7,355
TOTALS FROM THE LARAMIE RIVER BASIN (ACRE-FT)													14,589

## FROM THE NORTH PLATTE RIVER BASIN

NAME	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
Cameron Pass Ditch	0	0	0	0	0	0	10.57	45.68	0	0	0	0	56
Michigan Ditch	19.6	47.3	28.04	18.17	15.77	0	314.4	656	314	137.2	121.4	60.81	1,733
TOTALS FROM THE NORTH PLATTE RIVER BASIN (DAY-CFS)													1,789
TOTALS FROM THE NORTH PLATTE RIVER BASIN (ACRE-FT)													3,548

## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

## AURORA HOMESTAKE PIPELINE ABOVE ELEVENMILE RESERVOIR

## LOCATION.--

## DRAINAGE AREA.--

**GAGE.--**A venturi meter in the pipeline. A Parshall flume installed in the outfall channel was washed around and isolated in localized flooding on July 30, 1998. This water originates in the Eagle River drainage of the Colorado River basin. It is diverted through the Homestake Tunnel and is stored in Twin Lakes in the Arkansas basin. A pipeline from Twin Lakes goes to the Otero Pump station, where water is pumped into the Aurora-Homestake pipeline for use by Aurora and Colorado Springs.

**REMARKS.--**The primary record is hourly discharges taken from satellite monitoring. The record must be regarded as poor until the meter is calibrated with discharge measurements. The record was developed by Rodger L. Burcher.

**RATING TABLE.--**STCONVERT USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	66	69	68	68	90	67	66	68	69	69	69
2	65	66	69	68	67	78	67	66	68	69	69	69
3	65	65	69	68	64	67	67	66	68	69	69	69
4	65	65	69	68	63	67	67	66	68	69	69	69
5	65	65	69	68	78	67	67	66	68	69	69	69
6	65	65	69	68	89	67	67	66	68	69	69	69
7	65	65	68	68	89	67	67	66	68	69	69	69
8	65	65	68	68	89	67	67	66	68	69	69	69
9	65	65	68	68	90	67	67	79	68	69	69	69
10	65	65	68	67	90	67	67	100	68	69	69	44
11	65	65	68	65	90	67	67	100	68	70	69	49
12	62	65	68	35	90	67	67	100	68	70	69	93
13	64	65	68	0	90	67	67	86	68	70	69	93
14	64	65	68	0	90	67	67	67	68	70	69	93
15	64	65	68	0	90	67	67	67	69	70	69	93
16	89	65	68	0	90	67	67	67	69	70	69	93
17	77	65	68	0	90	67	67	67	69	69	69	38
18	65	64	68	0	90	67	67	67	69	69	69	0
19	65	64	68	.67	90	67	66	67	69	69	69	0
20	65	64	68	23	90	67	66	67	69	69	69	0
21	65	64	68	40	90	67	66	67	69	69	69	0
22	65	64	68	57	90	67	66	67	69	69	69	22
23	33	64	68	69	90	67	66	67	69	69	69	54
24	0	64	68	69	90	67	66	67	69	69	69	58
25	0	64	68	69	90	67	66	68	61	69	69	58
26	0	64	68	68	90	67	66	67	61	69	69	64
27	0	64	68	68	90	67	66	68	69	69	69	68
28	0	66	68	68	90	67	66	68	69	69	69	68
29	0	69	68	68	---	67	66	68	69	69	69	68
30	36	69	68	68	---	67	66	68	69	69	69	68
31	66	---	68	68	---	67	---	68	---	69	69	---
TOTAL	1595	1951	2114	1514.67	2407	2111	1998	2205	2040	2145	2139	1745
MEAN	51.5	65	68	48.9	86	68	67	71	68	69	69	58.2
AC-FT	3160	3870	4190	3000	4770	4190	3960	4370	4050	4250	4240	3460
MAX	89	69	69	69	90	90	67	100	69	70	69	93
MIN	0	64	68	0	63	67	66	66	61	69	69	0

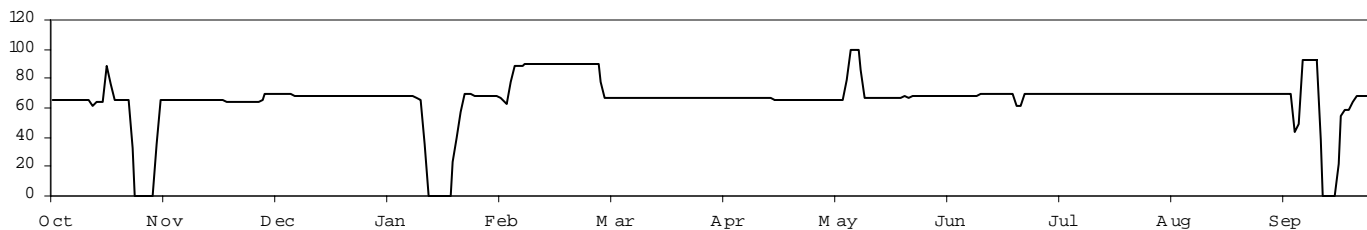
CAL YR 2000

WTR YR 2001 TOTAL 23964.67 MEAN 65.7 MAX 100 MIN 0 AC-FT 47530

MAX DISCH: 99.8 CFS AT 06:00 ON May. 10, 2001 GH 99.8 FT. SHIFT 0 FT.

MAX GH: 99.8 FT. AT 06:00 ON May. 10, 2001

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA, CO

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

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

**REMARKS.**--The record is developed from daily mean gage heights from the chart. Due to persistent equipment problems the satellite record is sporadic and unreliable. Hourly data entry was used from chart and satellite data on days where there was significant range in stage. The record is complete and reliable. The record is fair due to lack of definition by measurements. The flow is controlled by numerous diversions into the tunnel inlet from the Blue River drainage. Record developed by Rodger Burcher.

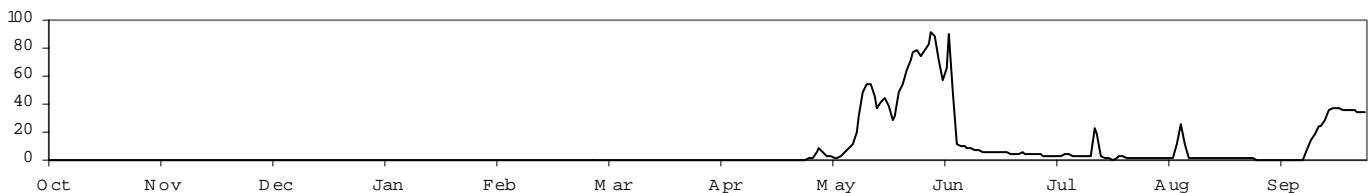
**RATING TABLE.**--STD08FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	5.5	83	4	1.9	.67
2	0	0	0	0	0	0	0	7.9	92	3.7	1.7	.67
3	0	0	0	0	0	0	0	5.7	88	3.5	1.5	.55
4	0	0	0	0	0	0	0	3.3	71	3.3	1.5	.28
5	0	0	0	0	0	0	0	2.4	57	3.2	1.4	0
6	0	0	0	0	0	0	0	2	66	3	1.4	0
7	0	0	0	0	0	0	0	2.1	90	2.8	1.5	0
8	0	0	0	0	0	0	0	3.4	48	3.5	1.4	0
9	0	0	0	0	0	0	0	6.2	11	4.4	11	0
10	0	0	0	0	0	0	0	8.5	9.8	3.9	26	0
11	0	0	0	0	0	0	0	12	9.8	3.2	11	0
12	0	0	0	0	0	0	0	20	9.2	3.5	1.2	0
13	0	0	0	0	0	0	0	31	8.2	3.5	1.2	0
14	0	0	0	0	0	0	0	49	7	3.2	1.2	7.1
15	0	0	0	0	0	0	0	54	6.5	3	1.2	14
16	0	0	0	0	0	0	0	55	5.9	2.6	1.2	19
17	0	0	0	0	0	0	0	46	5.7	23	1.1	24
18	0	0	0	0	0	0	0	37	5.4	19	1.1	24
19	0	0	0	0	0	0	0	41	5.7	2.2	.92	29
20	0	0	0	0	0	0	0	44	5.4	2	.92	36
21	0	0	0	0	0	0	0	39	5.7	.87	.92	37
22	0	0	0	0	0	0	0	28	5.4	0	1.1	37
23	0	0	0	0	0	0	0	31	5.1	.94	1.1	37
24	0	0	0	0	0	0	0	48	4.9	3	.92	36
25	0	0	0	0	0	0	0	55	4.9	2.9	.92	36
26	0	0	0	0	0	0	.19	64	4.9	2	.79	36
27	0	0	0	0	0	0	.49	71	5.1	1.9	.79	36
28	0	0	0	0	0	0	.64	77	4.6	1.7	.79	35
29	0	0	0	0	---	0	1	78	4.3	1.7	.79	35
30	0	0	0	0	---	0	.94	74	4.2	1.5	.79	35
31	0	---	0	0	---	0	---	78	---	1.5	.67	---
TOTAL	0	0	0	0	0	0	3.26	1079	733.7	118.51	79.92	515.27
MEAN	0	0	0	0	0	0	.11	34.8	24.5	3.82	2.58	17.2
AC-FT	0	0	0	0	0	0	6.5	2140	1460	235	159	1020
MAX	0	0	0	0	0	0	1	78	92	23	26	37
MIN	0	0	0	0	0	0	0	2	4.2	0	.67	0
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	2529.66	MEAN	6.93	MAX	92	MIN	0	AC-FT	5020		

MAX DISCH: 120 CFS AT 21:00 ON Jun. 7, 2001 GH 2.28 FT. SHIFT 0 FT.  
MAX GH: 2.28 FT. AT 21:00 ON Jun. 7, 2001

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09046000 BOREAS PASS DITCH AT BOREAS PASS, CO

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

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

**REMARKS.**--The primary record is hourly satellite data with no chart as back up. From May 28 until August 3 (shut-off), satellite data was collected. The satellite equipment check sheet showed no differences between the staff and the DCP. No corrections were made to the satellite record. The record is complete and reliable. The record is good. The gage is seasonal and runs typically from June to August. The permanent nature of the flume installation suggests that some permanent level of shift is built into the flume. During the week of July 18-25 the flow was zero because the ditch was out of priority. Record developed by Rodger Burcher.

**RATING TABLE.**--STD01HFTPF USED FROM 28-MAY-2001 TO 03-AUG-2001

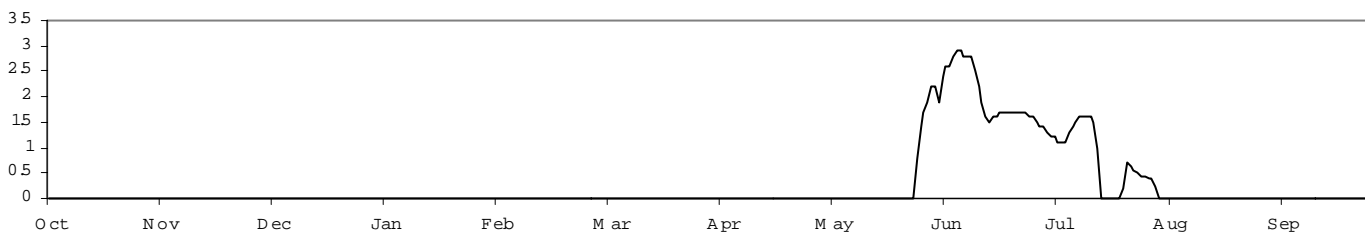
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	1.9	1.5	.41	0
2	0	0	0	0	0	0	0	0	2.2	1.4	.39	0
3	0	0	0	0	0	0	0	0	2.2	1.4	.25	0
4	0	0	0	0	0	0	0	0	1.9	1.3	0	0
5	0	0	0	0	0	0	0	0	2.4	1.2	0	0
6	0	0	0	0	0	0	0	0	2.6	1.2	0	0
7	0	0	0	0	0	0	0	0	2.6	1.1	0	0
8	0	0	0	0	0	0	0	0	2.8	1.1	0	0
9	0	0	0	0	0	0	0	0	2.9	1.1	0	0
10	0	0	0	0	0	0	0	0	2.9	1.3	0	0
11	0	0	0	0	0	0	0	0	2.8	1.4	0	0
12	0	0	0	0	0	0	0	0	2.8	1.5	0	0
13	0	0	0	0	0	0	0	0	2.8	1.6	0	0
14	0	0	0	0	0	0	0	0	2.5	1.6	0	0
15	0	0	0	0	0	0	0	0	2.2	1.6	0	0
16	0	0	0	0	0	0	0	0	1.9	1.6	0	0
17	0	0	0	0	0	0	0	0	1.6	1.5	0	0
18	0	0	0	0	0	0	0	0	1.5	1	0	0
19	0	0	0	0	0	0	0	0	1.6	0	0	0
20	0	0	0	0	0	0	0	0	1.6	0	0	0
21	0	0	0	0	0	0	0	0	1.7	0	0	0
22	0	0	0	0	0	0	0	0	1.7	0	0	0
23	0	0	0	0	0	0	0	0	1.7	0	0	0
24	0	0	0	0	0	0	0	0	1.7	0	0	0
25	0	0	0	0	0	0	0	0	1.7	.21	0	0
26	0	0	0	0	0	0	0	0	1.7	.7	0	0
27	0	0	0	0	0	0	0	0	1.7	.62	0	0
28	0	0	0	0	0	0	0	0	1.7	.56	0	0
29	0	0	0	0	---	0	0	.77	1.6	.5	0	0
30	0	0	0	0	---	0	0	1.4	1.6	.45	0	0
31	0	---	0	0	---	0	---	1.7	---	.43	0	---
TOTAL	0	0	0	0	0	0	0	3.87	62.5	27.87	1.05	0
MEAN	0	0	0	0	0	0	0	.12	2.1	.9	.03	0
AC-FT	0	0	0	0	0	0	0	7.7	124	55	2.1	0
MAX	0	0	0	0	0	0	0	1.7	2.9	1.6	.41	0
MIN	0	0	0	0	0	0	0	0	1.5	0	0	0
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	95.29	MEAN	.26	MAX	2.9	MIN	0	AC-FT	189		

MAX DISCH: 2.95 CFS AT 19:00 ON Jun. 5, 2001 GH 0.68 FT. SHIFT -0.05 FT.

MAX GH: 0.68 FT. AT 19:00 ON Jun. 5, 2001

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





## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT, CO

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

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

**REMARKS.**--The record is taken from hourly satellite data. It is complete and reliable. The recording equipment functions well, even during cold weather, due to a heat lamp installed within the shelter and well. The record is rated as good. Record is developed by Rodger Burcher.

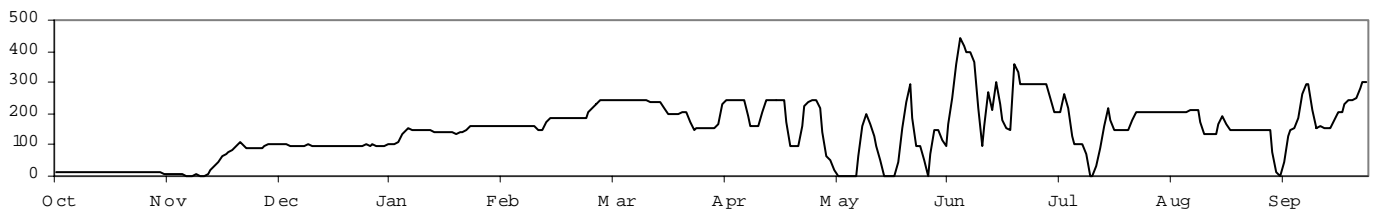
**RATING TABLE.**--STD20FTPF USED FROM 01-OCT-2000 TO 09-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	7.8	102	101	162	241	154	215	70	296	204	149
2	13	7.4	101	101	162	242	154	143	145	297	205	149
3	14	7.3	101	101	162	242	167	67	146	296	205	149
4	14	7.1	100	112	162	242	229	52	118	251	206	74
5	14	6.4	98	137	160	242	246	21	98	208	206	15
6	14	2.3	98	146	159	242	245	0	167	208	205	0
7	14	0	99	152	159	242	244	0	253	208	206	48
8	14	2.2	99	148	160	242	243	0	361	261	206	131
9	14	3.7	99	146	162	242	242	0	441	219	206	147
10	13	0	100	145	161	242	242	0	415	131	208	154
11	13	0	99	146	158	242	192	0	395	100	208	186
12	13	9.6	98	146	147	242	160	65	396	101	209	263
13	13	22	98	146	150	242	160	162	364	101	209	297
14	13	30	97	142	174	241	160	199	218	73	209	297
15	12	45	99	139	185	240	204	169	98	0	171	210
16	12	65	98	139	185	240	246	127	161	0	137	156
17	12	72	97	139	185	240	246	97	269	35	137	159
18	12	76	98	139	187	240	246	52	213	92	137	154
19	12	86	97	139	187	217	246	0	299	162	137	155
20	12	99	99	137	187	199	246	0	228	220	166	156
21	12	106	98	139	187	200	246	0	178	178	195	181
22	12	97	98	139	187	200	172	0	154	148	166	207
23	12	89	98	149	187	201	97	48	147	148	148	208
24	11	88	98	159	187	202	99	157	356	148	148	230
25	11	90	97	160	186	202	99	237	332	148	148	242
26	11	90	100	160	203	173	158	296	297	149	148	242
27	11	92	99	160	217	149	224	189	297	179	148	248
28	11	99	100	160	231	151	235	99	297	204	148	281
29	11	101	99	160	---	152	242	98	297	204	149	303
30	11	102	99	160	---	152	242	50	296	204	149	300
31	9	---	99	162	---	152	---	0	---	204	149	---
TOTAL	382	1502.8	3062	4409	4939	6696	6086	2543	7506	5173	5473	5491
MEAN	12.3	50.1	99	142	176	216	203	82	250	167	177	183
AC-FT	758	2980	6070	8750	9800	13280	12070	5040	14890	10260	10860	10890
MAX	14	106	102	162	231	242	246	296	441	297	209	303
MIN	9	0	97	101	147	149	97	0	70	0	137	0
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	53262.8	MEAN	146	MAX	441	MIN	0	AC-FT	105600		

MAX DISCH: 444 CFS AT 05:30 ON Jun. 9, 2001 GH 2.94 FT. SHIFT 0.05 FT. DATUM CORRECTION 0.02 FT.  
MAX GH: 2.94 FT. AT 05:30 ON Jun. 9, 2001

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09047300 VIDLER TUNNEL NEAR ARGENTINE PASS, CO

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

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 3' Parshall flume. The flume is inside the tunnel, approximately 800 feet from the west end.

REMARKS.--The primary record is mean daily GH's from chart with some hourly GH's taken from satellite telemetry or entered manually. The record is considered good. Record developed by Merlin Friedrichsen.

RATING TABLE.--VIDTUNCO02 USED FROM 19-JUN-2001 TO 01-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
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	2.6	2.3	.37
2	0	0	0	0	0	0	0	0	0	2.5	2.2	0
3	0	0	0	0	0	0	0	0	0	2.9	2	0
4	0	0	0	0	0	0	0	0	0	3	1.8	0
5	0	0	0	0	0	0	0	0	0	3	1.8	0
6	0	0	0	0	0	0	0	0	0	3.5	1.7	0
7	0	0	0	0	0	0	0	0	0	3.6	1.8	0
8	0	0	0	0	0	0	0	0	0	3.9	1.6	0
9	0	0	0	0	0	0	0	0	0	3.8	1.6	0
10	0	0	0	0	0	0	0	0	0	4.2	1.6	0
11	0	0	0	0	0	0	0	0	0	4.5	1.5	0
12	0	0	0	0	0	0	0	0	0	4.5	1.4	0
13	0	0	0	0	0	0	0	0	0	5.3	1.4	0
14	0	0	0	0	0	0	0	0	0	6	1.5	0
15	0	0	0	0	0	0	0	0	0	5.8	1.1	0
16	0	0	0	0	0	0	0	0	0	5.4	.96	0
17	0	0	0	0	0	0	0	0	0	3.9	1	0
18	0	0	0	0	0	0	0	0	0	2.9	1	0
19	0	0	0	0	0	0	0	0	1.8	2.6	.96	0
20	0	0	0	0	0	0	0	0	3.5	2.3	1	0
21	0	0	0	0	0	0	0	0	3.6	3.5	.96	0
22	0	0	0	0	0	0	0	0	3.6	3.9	.96	0
23	0	0	0	0	0	0	0	0	3.3	3.7	.89	0
24	0	0	0	0	0	0	0	0	3.3	3.4	.82	0
25	0	0	0	0	0	0	0	0	3.3	3.1	.84	0
26	0	0	0	0	0	0	0	0	3.1	3.1	.8	0
27	0	0	0	0	0	0	0	0	2.9	2.7	.75	0
28	0	0	0	0	0	0	0	0	2.7	2.5	1	0
29	0	0	0	0	---	0	0	0	2.6	2.3	1.2	0
30	0	0	0	0	---	0	0	0	2.7	2.2	1.2	0
31	0	---	0	0	---	0	---	0	---	2.1	1.2	---
TOTAL	0	0	0	0	0	0	0	0	36.4	108.7	40.84	.37
MEAN	0	0	0	0	0	0	0	0	1.21	3.5	1.32	.01
AC-FT	0	0	0	0	0	0	0	0	72	216	81	.7
MAX	0	0	0	0	0	0	0	0	3.6	6	2.3	.37
MIN	0	0	0	0	0	0	0	0	0	2.1	.75	0

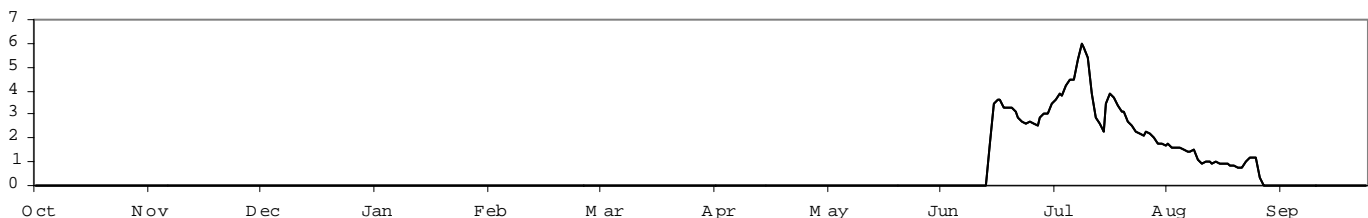
CAL YR 2000

WTR YR 2001 TOTAL 186.31 MEAN .51 MAX 6 MIN 0 AC-FT 370

MAX DISCH: 9.48 CFS AT 19:15 ON Jul. 13, 2001 GH 0.9 FT. SHIFT -0.04 FT.

MAX GH: 0.9 FT. AT 19:15 ON Jul. 13, 2001

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09021500 BERTHOUD PASS DITCH AT BERTHOUD PASS, CO

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

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

**REMARKS.**--The primary record is mean daily gage heights taken from the chart. The record is complete and reliable except for June 8-13, 2001 when pen failed. The record is good, except for June 8-13, 2001, which is estimated. Station maintained and record developed by Rodger Burcher.

**RATING TABLE.**--BERDITCO02 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
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	5.8	0	0
2	0	0	0	0	0	0	0	0	0	5.6	0	0
3	0	0	0	0	0	0	0	0	0	5.4	0	0
4	0	0	0	0	0	0	0	0	.75	5.4	0	0
5	0	0	0	0	0	0	0	0	2.2	5.1	0	0
6	0	0	0	0	0	0	0	0	4.8	5.2	0	0
7	0	0	0	0	0	0	0	0	7.2	5	0	0
8	0	0	0	0	0	0	0	0	7.5	5.5	.24	0
9	0	0	0	0	0	0	0	0	7.7	5.1	.77	0
10	0	0	0	0	0	0	0	0	8	5	1.2	0
11	0	0	0	0	0	0	0	0	8.3	4.8	1.1	0
12	0	0	0	0	0	0	0	0	8.7	4.8	1.1	0
13	0	0	0	0	0	0	0	0	8.9	4.6	1.1	0
14	0	0	0	0	0	0	0	0	7.5	4.2	1.2	0
15	0	0	0	0	0	0	0	0	6.4	3.9	.77	0
16	0	0	0	0	0	0	0	0	5.5	3.5	.6	0
17	0	0	0	0	0	0	0	0	5	3.2	.64	0
18	0	0	0	0	0	0	0	0	4.9	1.7	.79	0
19	0	0	0	0	0	0	0	0	5.1	0	.79	0
20	0	0	0	0	0	0	0	0	5.6	0	.73	0
21	0	0	0	0	0	0	0	0	6.1	0	.73	0
22	0	0	0	0	0	0	0	0	6.3	0	.73	0
23	0	0	0	0	0	0	0	0	6.4	0	.68	0
24	0	0	0	0	0	0	0	0	6.4	0	.63	0
25	0	0	0	0	0	0	0	0	6.6	0	.59	0
26	0	0	0	0	0	0	0	0	6.8	0	.54	0
27	0	0	0	0	0	0	0	0	6.6	0	.54	0
28	0	0	0	0	0	0	0	0	6.4	0	.49	0
29	0	0	0	0	---	0	0	0	6.2	0	.25	0
30	0	0	0	0	---	0	0	0	6.1	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	167.95	83.8	16.21	0
MEAN	0	0	0	0	0	0	0	0	5.6	2.7	.52	0
AC-FT	0	0	0	0	0	0	0	0	333	166	32	0
MAX	0	0	0	0	0	0	0	0	8.9	5.8	1.2	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

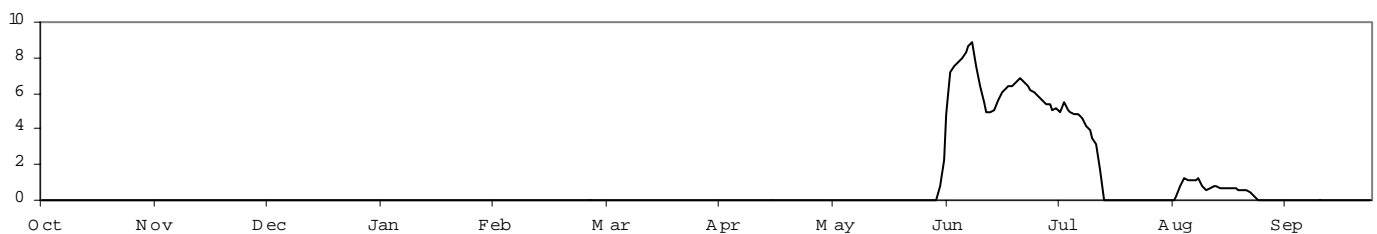
CAL YR 2000

WTR YR 2001 TOTAL 267.96 MEAN .73 MAX 8.9 MIN 0 AC-FT 531

MAX DISCH: 9.68 CFS AT 00:00 ON Jun. 6, 2001 GH 1.05 FT. SHIFT 0 FT.

MAX GH: 1.05 FT. AT 00:00 ON Jun. 6, 2001

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE, CO

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

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

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

**REMARKS.**--Primary record is hourly satellite data with chart backup and is complete and reliable. Mean daily gage heights were taken from the charts on days where satellite data was missing and the range in stage was negligible: October 14-19, 2000. In addition there were 15 days when satellite data was not complete; therefore some hourly chart values were entered. Record is good. Station maintained by Denver Water Board and record developed by Fred Renner.

**RATING TABLE.**--MOFTUNCO02 USED FROM 01-OCT-2000 TO 30-OCT-2001

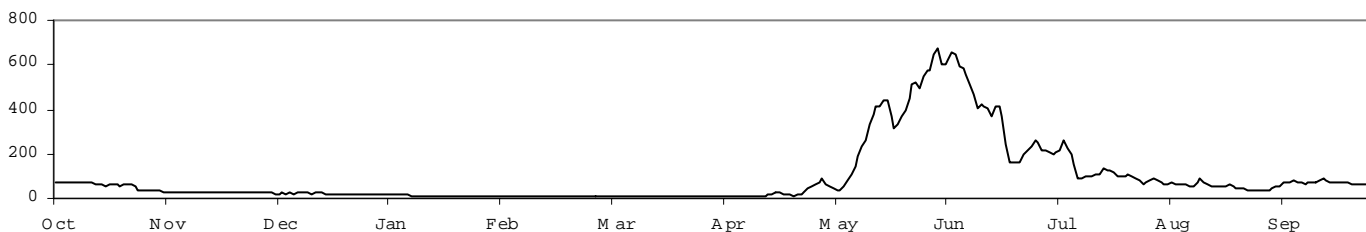
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	28	22	16	11	9.2	8.1	75	574	250	78	37
2	71	29	22	15	11	9.4	8.5	94	644	212	94	36
3	72	29	23	15	11	9.4	8.5	60	673	216	84	34
4	75	30	21	14	10	9	10	50	598	204	72	42
5	76	31	23	15	10	8.9	12	41	602	201	65	57
6	73	27	22	15	11	9.3	11	37	617	208	66	58
7	71	25	23	14	11	9.4	9.6	39	660	213	68	68
8	69	25	23	13	11	9.4	9.3	56	649	263	66	74
9	68	26	23	13	10	9.4	9.7	79	595	222	66	75
10	69	29	23	13	10	9.4	10	105	581	195	63	78
11	68	30	21	13	10	9.1	9.5	143	558	156	65	74
12	65	30	23	13	9.9	8.7	10	186	509	94	56	69
13	64	29	23	13	9.6	8.6	9.4	238	464	86	52	66
14	61	26	23	13	10	8.1	8.8	264	408	102	70	75
15	58	26	21	13	9.9	8.7	9.4	334	423	97	87	70
16	59	27	18	13	9.5	8.5	11	381	411	100	70	75
17	62	24	19	12	9.4	8.7	15	414	406	107	63	80
18	61	25	19	12	9.6	8.4	21	417	370	111	57	87
19	58	26	18	12	9.8	8.2	26	436	411	138	54	81
20	62	25	18	12	9.5	8.3	24	441	411	129	53	76
21	61	24	18	12	9.9	8.7	18	370	368	123	54	73
22	61	25	18	12	9.8	9.2	15	316	244	115	54	73
23	54	26	18	11	9.7	9.1	15	330	165	97	62	72
24	37	25	17	11	9.8	8.8	13	368	159	103	50	70
25	36	24	17	12	9.8	9.1	16	400	158	98	47	68
26	32	24	17	12	9.7	8.9	22	445	162	105	45	67
27	32	23	17	12	9.6	8.3	28	510	196	100	42	67
28	34	25	16	12	9.1	8.3	41	519	213	88	40	64
29	35	23	16	12	---	8.6	50	490	234	81	39	64
30	33	24	16	11	---	7.9	61	550	265	66	38	64
31	31	---	16	11	---	7.6	---	572	---	75	39	---
TOTAL	1783	790	614	397	280.6	272.6	519.8	8760	12728	4355	1859	1994
MEAN	58	26	20	13	10	8.8	17.3	283	424	140	60	67
AC-FT	3540	1570	1220	787	557	541	1030	17380	25250	8640	3690	3960
MAX	76	31	23	16	11	9.4	61	572	673	263	94	87
MIN	31	23	16	11	9.1	7.6	8.1	37	158	66	38	34

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 34353 MEAN 94.1 MAX 673 MIN 7.6 AC-FT 68140

MAX DISCH: 749 CFS AT 21:15 ON Jun. 7, 2001 GH 4.95 FT. SHIFT 0.01 FT.  
MAX GH: 4.95 FT. AT 21:15 ON Jun. 7, 2001

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

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

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

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

REMARKS.--Primary record is hourly data, taken from satellite monitoring with chart back up. The record is complete and reliable. In the winter months a bubble device is used to keep the well open. Record is good. In the past, ADATUNCO (Adams Tunnel plus Wind River diversion) has been published with a remark as to the total amount of Wind River water included. Beginning in the 2000 water year, ADANETCO (West slope delivery only) will be published to provide the west slope delivery on a daily basis, along with the records for WINDESCO and WINBYPCO. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--ADANETCO ADAMS TUNNEL AT EAST PORTAL-COMPUTED

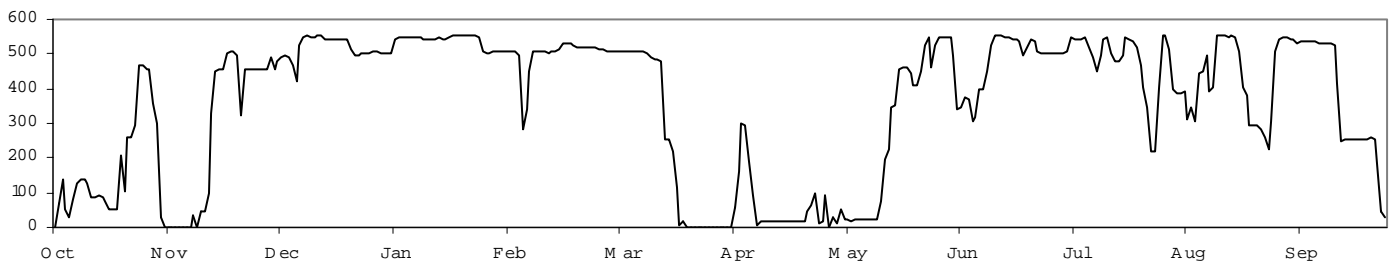
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	.01	481	504	507	507	.05	1.9	546	502	553	545
2	67	0	490	541	508	506	.05	31	550	501	512	549
3	136	0	496	550	508	506	0	11	546	501	399	549
4	52	0	491	547	507	507	1.2	50	496	501	386	544
5	31	0	465	548	496	506	60	22	342	508	388	543
6	83	0	419	549	282	506	159	22	345	546	391	533
7	125	0	525	548	343	506	300	20	376	543	314	537
8	139	33	549	549	448	505	292	23	367	542	349	539
9	139	2.4	551	548	505	505	192	23	308	542	308	538
10	129	45	550	541	506	506	94	23	318	546	444	539
11	89	48	550	540	506	506	8.6	23	400	517	452	535
12	89	98	551	542	505	501	20	23	398	488	498	533
13	90	330	552	545	504	490	17	23	450	448	392	531
14	88	452	544	546	505	485	17	23	527	495	404	530
15	75	454	540	543	506	485	17	74	551	540	553	530
16	54	453	543	543	514	476	16	195	552	547	551	525
17	54	502	543	546	530	256	16	227	553	503	551	414
18	53	507	542	552	530	253	17	348	546	478	548	250
19	206	505	542	553	529	221	17	353	546	478	551	254
20	106	496	540	553	525	118	17	457	543	494	549	253
21	257	324	516	554	522	7.2	17	459	542	547	506	253
22	258	458	497	552	521	17	17	459	536	545	401	253
23	292	454	496	551	519	.09	16	443	496	536	378	252
24	467	454	500	551	521	.05	16	411	521	519	293	252
25	467	455	500	549	521	.04	46	410	542	467	297	252
26	455	455	503	505	518	.05	65	451	534	404	297	257
27	454	454	505	504	511	.05	98	527	505	348	283	256
28	355	455	505	504	511	.05	13	549	504	219	259	184
29	301	488	503	507	---	.05	16	461	504	222	226	49
30	27	454	504	506	---	.05	95	525	502	406	303	29
31	.02	---	503	506	---	.05	---	547	---	554	506	---
TOTAL	5139.92	8376.41	15996	16677	13908	8875.68	1659.9	7214.9	14446	14987	12842	11808
MEAN	166	279	516	538	497	286	55.3	233	482	483	414	394
AC-FT	10200	16610	31730	33080	27590	17600	3290	14310	28650	29730	25470	23420
MAX	467	507	552	554	530	507	300	549	553	554	553	549
MIN	.02	0	419	504	282	.04	0	1.9	308	219	226	29

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 131930.81 MEAN 361 MAX 554 MIN 0 AC-FT 261700

MAX DISCH: GH FT. SHIFT 0 FT.  
MAX GH: 0 FT. AT 00:00 ON

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09010000 GRAND RIVER DITCH AT LA POUVRE PASS, CO

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

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

REMARKS.--The primary record is hourly data, taken from satellite monitoring with chart backup. Water was run in October of 2000 because of the dry conditions, and the station was closed for the winter on October 12. May 5,6, and 7 were estimated. May 8-17 were ice days with estimated values. May 26-29 the shaft encoder malfunctioned and chart values were used. The record is good except for the estimated days of May 5-17. The record was prepared by George Sievers,with help from the district 3 Water Commissioners.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

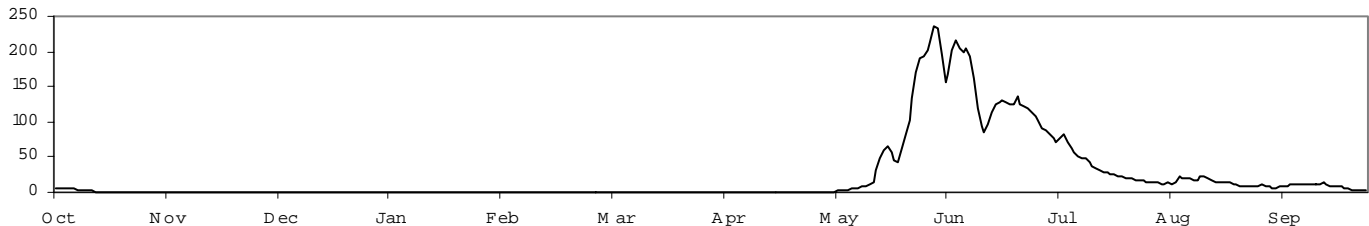
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	0	0	0	0	0	0	0	214	102	14	11
2	5.7	0	0	0	0	0	0	0	235	92	14	8.4
3	5.6	0	0	0	0	0	0	0	234	88	13	7.8
4	5.5	0	0	0	0	0	0	0	195	83	12	7
5	4.9	0	0	0	0	0	0	1	157	77	12	6.8
6	4.5	0	0	0	0	0	0	2	167	72	13	7.3
7	4	0	0	0	0	0	0	2	202	77	12	8.9
8	3.7	0	0	0	0	0	0	3	216	83	15	9.3
9	3.4	0	0	0	0	0	0	4	205	70	22	11
10	3.4	0	0	0	0	0	0	5	198	62	20	11
11	3.1	0	0	0	0	0	0	6	205	56	19	11
12	1.3	0	0	0	0	0	0	7	192	51	19	10
13	0	0	0	0	0	0	0	8	163	48	17	11
14	0	0	0	0	0	0	0	9	118	47	18	12
15	0	0	0	0	0	0	0	10	95	43	23	12
16	0	0	0	0	0	0	0	15	86	38	24	12
17	0	0	0	0	0	0	0	30	96	34	19	12
18	0	0	0	0	0	0	0	48	113	31	17	14
19	0	0	0	0	0	0	0	61	126	29	15	12
20	0	0	0	0	0	0	0	64	129	27	15	9.8
21	0	0	0	0	0	0	0	57	131	26	15	8.7
22	0	0	0	0	0	0	0	45	129	26	14	8.1
23	0	0	0	0	0	0	0	44	125	23	13	7.4
24	0	0	0	0	0	0	0	62	126	22	12	6.8
25	0	0	0	0	0	0	0	81	137	20	10	5.6
26	0	0	0	0	0	0	0	102	126	21	9.7	2.8
27	0	0	0	0	0	0	0	133	123	21	8.7	2.4
28	0	0	0	0	0	0	0	171	118	18	8.1	2.1
29	0	0	0	0	---	0	0	191	115	17	7.7	2
30	0	0	0	0	---	0	0	194	109	16	7.4	1.8
31	0	---	0	0	---	0	---	201	---	15	8.4	---
TOTAL	51.4	0	0	0	0	0	0	1556	4585	1435	447	252
MEAN	1.66	0	0	0	0	0	0	50.2	153	46	14.4	8.4
AC-FT	102	0	0	0	0	0	0	3090	9090	2850	887	500
MAX	6.3	0	0	0	0	0	0	201	235	102	24	14
MIN	0	0	0	0	0	0	0	0	86	15	7.4	1.8

CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR 2001	TOTAL	8326.4	MEAN	22.8	MAX	235	MIN	0	AC-FT	16520

MAX DISCH: 271 CFS AT 20:30 ON June 02, 2001 GH 3.34 FT. SHIFT 0 FT.  
MAX GH: 3.34 FT. AT 20:30 ON June 02, 2001

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06745500 CAMERON PASS DITCH AT CAMERON PASS, CO

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

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

**REMARKS.**--Primary record is mean daily chart values. Record is good. Water was run from May 25 until June 25, 2001. Station maintained and record developed by George Sievers and George Varra.

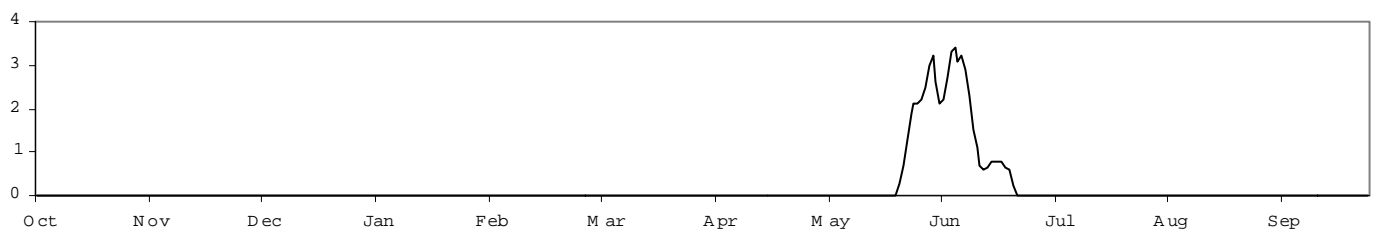
**RATING TABLE.**--CAPDCPC001 USED FROM 25-MAY-2001 TO 25-JUN-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	2.5	0	0	0
2	0	0	0	0	0	0	0	0	3	0	0	0
3	0	0	0	0	0	0	0	0	3.2	0	0	0
4	0	0	0	0	0	0	0	0	2.6	0	0	0
5	0	0	0	0	0	0	0	0	2.1	0	0	0
6	0	0	0	0	0	0	0	0	2.2	0	0	0
7	0	0	0	0	0	0	0	0	2.7	0	0	0
8	0	0	0	0	0	0	0	0	3.3	0	0	0
9	0	0	0	0	0	0	0	0	3.4	0	0	0
10	0	0	0	0	0	0	0	0	3.1	0	0	0
11	0	0	0	0	0	0	0	0	3.2	0	0	0
12	0	0	0	0	0	0	0	0	2.9	0	0	0
13	0	0	0	0	0	0	0	0	2.3	0	0	0
14	0	0	0	0	0	0	0	0	1.5	0	0	0
15	0	0	0	0	0	0	0	0	1.1	0	0	0
16	0	0	0	0	0	0	0	0	.71	0	0	0
17	0	0	0	0	0	0	0	0	.61	0	0	0
18	0	0	0	0	0	0	0	0	.66	0	0	0
19	0	0	0	0	0	0	0	0	.77	0	0	0
20	0	0	0	0	0	0	0	0	.77	0	0	0
21	0	0	0	0	0	0	0	0	.77	0	0	0
22	0	0	0	0	0	0	0	0	.77	0	0	0
23	0	0	0	0	0	0	0	0	.66	0	0	0
24	0	0	0	0	0	0	0	0	.61	0	0	0
25	0	0	0	0	0	0	0	.26	.25	0	0	0
26	0	0	0	0	0	0	0	.71	0	0	0	0
27	0	0	0	0	0	0	0	1.3	0	0	0	0
28	0	0	0	0	0	0	0	1.9	0	0	0	0
29	0	0	0	0	---	0	0	2.1	0	0	0	0
30	0	0	0	0	---	0	0	2.1	0	0	0	0
31	0	---	0	0	---	0	---	2.2	---	0	0	---
TOTAL	0	0	0	0	0	0	0	10.57	45.68	0	0	0
MEAN	0	0	0	0	0	0	0	.34	1.52	0	0	0
AC-FT	0	0	0	0	0	0	0	21	91	0	0	0
MAX	0	0	0	0	0	0	0	2.2	3.4	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	56.25	MEAN	.15	MAX	3.4	MIN	0	AC-FT	112		

MAX DISCH: 3.72 CFS AT 15:10 ON June 2, 2001 GH 0.64 FT. SHIFT -.03 FT.  
MAX GH: 0.64 FT. AT 15:10 ON June 2, 2001

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06746000 MICHIGAN DITCH AT CAMERON PASS, CO

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

**GAGE.**--F-type graphic water-stage recorder at 8' Parshall flume. Floware flow meter used in winter.

**REMARKS.**--The record is mean daily gage heights taken from the chart, and the daily averages taken from the Floware unit: October 1 to October 10, 2000 is chart values. October 11-31, November 1-20, 2000 and April 1-30, May 1-20, 2001 the Floware is not connected. (No record is considered zero flow.) May 21 through September 30, 2001 is chart values. The record is good. Station maintained and record developed by George Sievers and George Varra.

**RATING TABLE.**--MICDCPC02 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

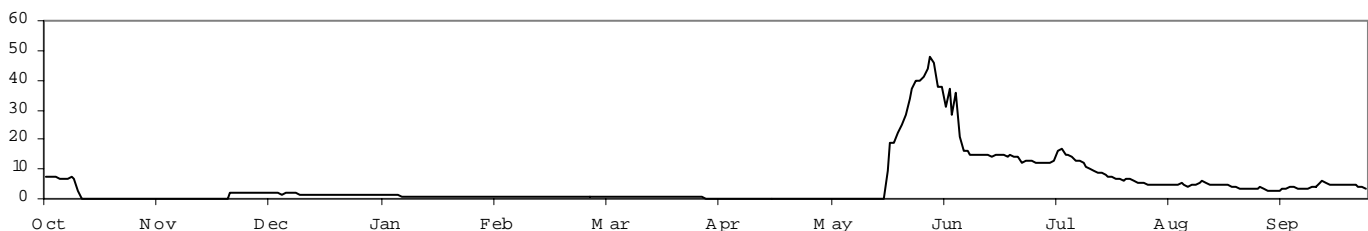
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	0	1.9	1.2	.66	.62	0	0	44	12	4.9	4.1
2	7.3	0	1.8	1.1	.67	.61	0	0	48	12	4.6	3.5
3	7.3	0	1.8	1.1	.66	.58	0	0	46	12	4.4	3
4	7.3	0	1.8	1.1	.7	.58	0	0	38	12	4.4	3
5	7	0	1.6	1.1	.71	.59	0	0	38	12	4.4	2.8
6	6.8	0	1.8	1.1	.69	.58	0	0	31	13	4.6	3
7	6.8	0	1.8	1	.67	.59	0	0	37	16	4.6	3.2
8	7.3	0	1.8	1	.65	.6	0	0	28	17	4.6	3.5
9	6.8	0	1.7	.99	.65	.61	0	0	36	15	4.9	3.9
10	2.7	0	1.5	.97	.66	.59	0	0	21	15	5.7	3.9
11	0	0	1.5	1	.63	.53	0	0	16	14	4.4	3.5
12	0	0	1.6	1	.64	.53	0	0	16	13	4.1	3.2
13	0	0	1.6	.98	.66	.52	0	0	15	13	4.4	3.5
14	0	0	1.6	.96	.64	.42	0	0	15	12	4.6	3.7
15	0	0	1.6	.94	.63	.37	0	0	15	11	5.4	3.9
16	0	0	1.5	.91	.62	.35	0	0	15	10	5.9	4.1
17	0	0	1.5	.88	.64	.34	0	0	15	9.5	5.1	5.4
18	0	0	1.5	.87	.63	.34	0	0	15	8.9	4.6	6.2
19	0	0	1.6	.86	.64	.35	0	0	14	8.6	4.4	5.4
20	0	0	1.5	.82	.62	.37	0	0	15	8.2	4.4	4.9
21	0	2.1	1.4	.82	.64	.39	0	9.4	15	7.6	4.4	4.6
22	0	2.1	1.4	.83	.66	.43	0	19	15	7.3	4.4	4.6
23	0	2	1.4	.78	.66	.48	0	19	14	6.8	4.4	4.6
24	0	2.1	1.4	.79	.61	.52	0	22	15	6.5	4.1	4.6
25	0	2	1.3	.74	.63	.52	0	25	14	6.2	3.9	4.6
26	0	2	1.3	.71	.64	.55	0	28	14	6.8	3.7	4.6
27	0	1.7	1.3	.72	.63	.56	0	34	12	6.5	3.7	4.4
28	0	1.7	1.2	.73	.63	.55	0	37	13	5.9	3.5	4.1
29	0	2	1.2	.7	---	.57	0	40	13	5.7	3.5	3.9
30	0	1.9	1.2	.67	---	.56	0	40	13	5.4	3.5	3.7
31	0	---	1.2	.67	---	.57	---	41	---	5.1	3.7	---
TOTAL	66.6	19.6	47.3	28.04	18.17	15.77	0	314.4	656	314	137.2	121.4
MEAN	2.15	.65	1.5	.9	.65	.51	0	10.1	22	10.1	4.4	4
AC-FT	132	39	94	56	36	31	0	624	1300	623	272	241
MAX	7.3	2.1	1.9	1.2	.71	.62	0	41	48	17	5.9	6.2
MIN	0	0	1.2	.67	.61	.34	0	0	12	5.1	3.5	2.8

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	1738.48	MEAN	4.76	MAX	48	MIN	0	AC-FT	3450

MAX DISCH: 57 CFS AT 18:15 ON June 01, 2001 GH 1.43 FT. SHIFT 0 FT.

MAX GH: 1.43 FT. AT 18:15 ON June 01, 2001

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





TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE, CO

LOCATION.--Lat 40°39'50", long 105°53'10"; 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.--The primary record is mean daily gage heights taken from the chart recorder. This is the only source. The charts are worked by the District 3 water commissioner and checked by George Sievers. Record is good. Station maintained and record developed by George Sievers.

RATING TABLE.--SKYDCLCO02 USED FROM 13-MAY-2001 TO 18-MAY-2001

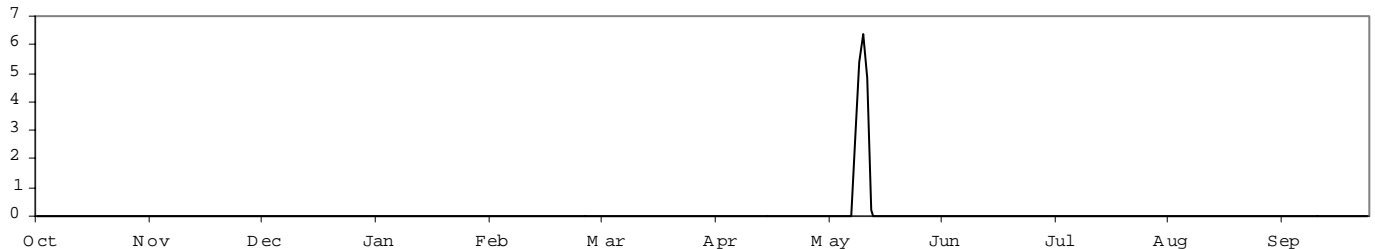
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

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
2	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
4	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
6	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
8	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
10	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
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	2.7	0	0	0	0
14	0	0	0	0	0	0	0	5.4	0	0	0	0
15	0	0	0	0	0	0	0	6.4	0	0	0	0
16	0	0	0	0	0	0	0	4.8	0	0	0	0
17	0	0	0	0	0	0	0	.19	0	0	0	0
18	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
20	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
22	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
24	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
26	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
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	19.49	0	0	0	0
MEAN	0	0	0	0	0	0	0	.63	0	0	0	0
AC-FT	0	0	0	0	0	0	0	39	0	0	0	0
MAX	0	0	0	0	0	0	0	6.4	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	19.49	MEAN	.053	MAX	6.4	MIN	0	AC-FT	39

MAX DISCH: 10.2 CFS AT 19:30 ON May 15, 2001 GH 0.43 FT. SHIFT 0 FT.  
MAX GH: 0.43 FT. AT 19:30 ON May 15, 2001

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE, CO

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

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

**REMARKS.**--Primary record is hourly GH's, taken from satellite monitoring with chart back-up. The record is complete and reliable. The DCP was installed on May 11<sup>th</sup> because we anticipated the tunnel turning on early. On May 16, water was run for three hours to wash the new concrete that was part of the tunnel rehabilitation. The DCP quit transmitting on May 19. Chart values were used for part of the day on both May 23 & 24 as the DCP was reset on the morning of the 24<sup>th</sup> after the tunnel started on the afternoon of the 23<sup>rd</sup>. Record is good. Station maintained and record developed by George Sievers and George Varra.

**RATING TABLE.**--LAPTUNCO02 USED FROM 16-MAY-2001 TO 01-SEP-2001

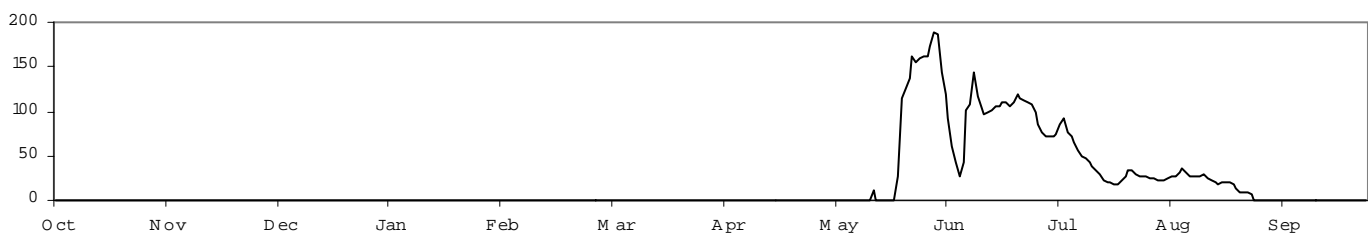
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	174	85	25	0
2	0	0	0	0	0	0	0	0	189	76	24	0
3	0	0	0	0	0	0	0	0	187	72	22	0
4	0	0	0	0	0	0	0	0	143	72	22	0
5	0	0	0	0	0	0	0	0	120	71	22	0
6	0	0	0	0	0	0	0	0	92	75	25	0
7	0	0	0	0	0	0	0	0	60	85	26	0
8	0	0	0	0	0	0	0	0	43	93	28	0
9	0	0	0	0	0	0	0	0	28	77	31	0
10	0	0	0	0	0	0	0	0	43	71	37	0
11	0	0	0	0	0	0	0	0	101	66	32	0
12	0	0	0	0	0	0	0	0	108	57	27	0
13	0	0	0	0	0	0	0	0	144	50	26	0
14	0	0	0	0	0	0	0	0	117	48	27	0
15	0	0	0	0	0	0	0	0	103	43	28	0
16	0	0	0	0	0	0	0	12	96	39	30	0
17	0	0	0	0	0	0	0	0	99	34	25	0
18	0	0	0	0	0	0	0	0	102	29	22	0
19	0	0	0	0	0	0	0	0	105	22	20	0
20	0	0	0	0	0	0	0	0	106	21	19	0
21	0	0	0	0	0	0	0	0	109	21	20	0
22	0	0	0	0	0	0	0	0	110	19	21	0
23	0	0	0	0	0	0	0	28	106	18	21	0
24	0	0	0	0	0	0	0	114	111	22	18	0
25	0	0	0	0	0	0	0	126	120	27	13	0
26	0	0	0	0	0	0	0	137	115	34	10	0
27	0	0	0	0	0	0	0	162	112	33	9.5	0
28	0	0	0	0	0	0	0	156	111	30	9.1	0
29	0	0	0	0	---	0	0	159	108	28	6.3	0
30	0	0	0	0	---	0	0	162	98	27	0	0
31	0	---	0	0	---	0	---	161	---	27	0	---
TOTAL	0	0	0	0	0	0	0	1217	3260	1472	645.9	0
MEAN	0	0	0	0	0	0	0	39.3	109	48	20.8	0
AC-FT	0	0	0	0	0	0	0	2410	6470	2920	1280	0
MAX	0	0	0	0	0	0	0	162	189	93	37	0
MIN	0	0	0	0	0	0	0	0	28	18	0	0

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	6594.9	MEAN	18.1	MAX	189	MIN	0	AC-FT	13080

MAX DISCH: 218 CFS AT 18:30 ON Jun. 1, 2001 GH 2.92 FT. SHIFT 0 FT.  
MAX GH: 2.92 FT. AT 18:30 ON Jun. 1, 2001

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

## BOB CREEK DITCH NEAR GLENDEVEY, CO

LOCATION.--Lat 40°31'50", long 105°45'40" NESWNW, sec. 11, 9 N., 75 W.

GAGE.--Weekly chart recorder at 3' Parshall flume with metal shelter, staff gage, and well.

REMARKS.--Primary record was taken from mean daily chart gage heights. Water was diverted from May 1 until May 31, 2001. This record should be considered poor since each chart day was compressed. The record was worked by water commissioner George Varra and the City of Greeley employees who set the chart. The record was not checked by hydrographic staff because the chart resolution and rounding factors in extremely low flows limited the accuracy possible.

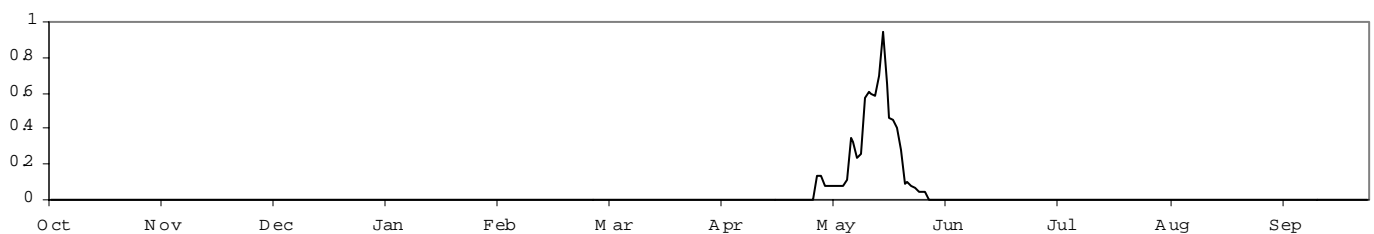
## RATING TABLE.--BOBGLNCO

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	.14	0	0	0	0
2	0	0	0	0	0	0	0	.14	0	0	0	0
3	0	0	0	0	0	0	0	.08	0	0	0	0
4	0	0	0	0	0	0	0	.08	0	0	0	0
5	0	0	0	0	0	0	0	.08	0	0	0	0
6	0	0	0	0	0	0	0	.08	0	0	0	0
7	0	0	0	0	0	0	0	.08	0	0	0	0
8	0	0	0	0	0	0	0	.08	0	0	0	0
9	0	0	0	0	0	0	0	.11	0	0	0	0
10	0	0	0	0	0	0	0	.35	0	0	0	0
11	0	0	0	0	0	0	0	.33	0	0	0	0
12	0	0	0	0	0	0	0	.24	0	0	0	0
13	0	0	0	0	0	0	0	.26	0	0	0	0
14	0	0	0	0	0	0	0	.57	0	0	0	0
15	0	0	0	0	0	0	0	.61	0	0	0	0
16	0	0	0	0	0	0	0	.6	0	0	0	0
17	0	0	0	0	0	0	0	.58	0	0	0	0
18	0	0	0	0	0	0	0	.7	0	0	0	0
19	0	0	0	0	0	0	0	.94	0	0	0	0
20	0	0	0	0	0	0	0	.65	0	0	0	0
21	0	0	0	0	0	0	0	.46	0	0	0	0
22	0	0	0	0	0	0	0	.45	0	0	0	0
23	0	0	0	0	0	0	0	.41	0	0	0	0
24	0	0	0	0	0	0	0	.28	0	0	0	0
25	0	0	0	0	0	0	0	.09	0	0	0	0
26	0	0	0	0	0	0	0	.1	0	0	0	0
27	0	0	0	0	0	0	0	.08	0	0	0	0
28	0	0	0	0	0	0	0	.07	0	0	0	0
29	0	0	0	0	---	0	0	.05	0	0	0	0
30	0	0	0	0	---	0	0	.05	0	0	0	0
31	0	---	0	0	---	0	---	.04	---	0	0	---
TOTAL	0	0	0	0	0	0	0	8.78	0	0	0	0
MEAN	0	0	0	0	0	0	0	.28	0	0	0	0
AC-FT	0	0	0	0	0	0	0	.17	0	0	0	0
MAX	0	0	0	0	0	0	0	.94	0	0	0	0
MIN	0	0	0	0	0	0	0	.04	0	0	0	0
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	8.78	MEAN	.024	MAX	.94	MIN	0	AC-FT	17		

MAX DISCH: 1.73CFS AT 20:30 ON May 18, 2001 GH 0.29 FT. SHIFT 0 FT.  
MAX GH: 0.29 FT. AT 20:30 ON May 18, 2001

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

## DEADMAN DITCH NEAR DEADMAN PARK, CO

**LOCATION.**--Lat 40°50'04", long 105°48'05", sec. 9, T. 10 N., R. 75 W., 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. Staff is used to reference gage.

**REMARKS.**--Primary record is from chart. Record is complete and reliable. Record is good. Water was run from May 20 until July 2, 2001. Station maintained and record developed by George Sievers.

**RATING TABLE.**--DEADDPCCO USED FROM 20-MAY-2001 TO 02-JUL-2001

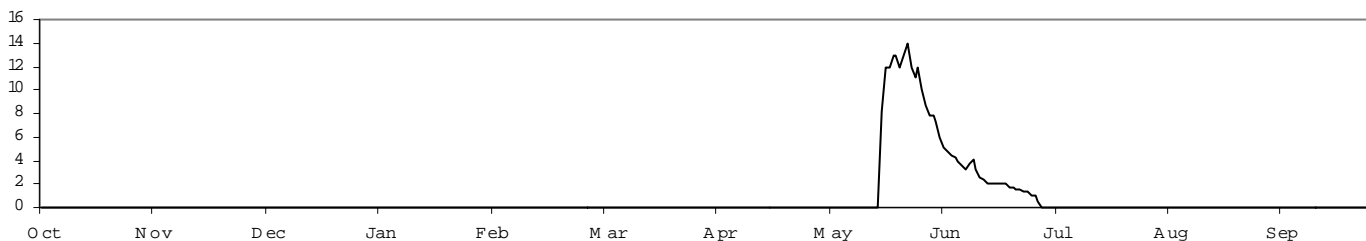
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	8.7	1	0	0
2	0	0	0	0	0	0	0	0	7.9	.47	0	0
3	0	0	0	0	0	0	0	0	7.9	0	0	0
4	0	0	0	0	0	0	0	0	7.4	0	0	0
5	0	0	0	0	0	0	0	0	6	0	0	0
6	0	0	0	0	0	0	0	0	5.1	0	0	0
7	0	0	0	0	0	0	0	0	4.7	0	0	0
8	0	0	0	0	0	0	0	0	4.5	0	0	0
9	0	0	0	0	0	0	0	0	4.3	0	0	0
10	0	0	0	0	0	0	0	0	3.9	0	0	0
11	0	0	0	0	0	0	0	0	3.5	0	0	0
12	0	0	0	0	0	0	0	0	3.3	0	0	0
13	0	0	0	0	0	0	0	0	3.7	0	0	0
14	0	0	0	0	0	0	0	0	4.1	0	0	0
15	0	0	0	0	0	0	0	0	3.3	0	0	0
16	0	0	0	0	0	0	0	0	2.6	0	0	0
17	0	0	0	0	0	0	0	0	2.3	0	0	0
18	0	0	0	0	0	0	0	0	2.1	0	0	0
19	0	0	0	0	0	0	0	0	2.1	0	0	0
20	0	0	0	0	0	0	0	8.2	2.1	0	0	0
21	0	0	0	0	0	0	0	12	2	0	0	0
22	0	0	0	0	0	0	0	12	2	0	0	0
23	0	0	0	0	0	0	0	13	2	0	0	0
24	0	0	0	0	0	0	0	13	1.7	0	0	0
25	0	0	0	0	0	0	0	12	1.7	0	0	0
26	0	0	0	0	0	0	0	13	1.6	0	0	0
27	0	0	0	0	0	0	0	14	1.6	0	0	0
28	0	0	0	0	0	0	0	12	1.4	0	0	0
29	0	0	0	0	---	0	0	11	1.3	0	0	0
30	0	0	0	0	---	0	0	12	1	0	0	0
31	0	---	0	0	---	0	---	10	---	0	0	---
TOTAL	0	0	0	0	0	0	0	142.2	105.8	1.47	0	0
MEAN	0	0	0	0	0	0	0	4.59	3.5	.05	0	0
AC-FT	0	0	0	0	0	0	0	282	210	2.9	0	0
MAX	0	0	0	0	0	0	0	14	8.7	1	0	0
MIN	0	0	0	0	0	0	0	0	1	0	0	0

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	249.47	MEAN	.68	MAX	14	MIN	0	AC-FT	495

MAX DISCH: 18.6 CFS AT 20:30 ON May 26, 2001 GH 0.86 FT. SHIFT 0 FT.  
MAX GH: 0.86 FT. AT 20:30 ON May 26, 2001

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO

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

**GAGE.**--F-type, graphic water-stage recorder at 10' Parshall flume. Satellite telemetry was added in the spring of 1994. Gage is referenced with an IG drop tape.

**REMARKS.**--Primary record is hourly data taken from satellite monitoring, with the chart as a back up. Mean daily chart values were used: May 8, 9, 10, 11, 12, and 13, as the only source of record. Hourly chart values were entered as necessary on May 14, June 10, 11, 17,18, 23, 24, 30, and July 1, and 2 to compliment missing or erroneous satellite record. Record is good. Water was run from May 8 until July 2, 2001. Station maintained and record developed by George Sievers.

**RATING TABLE.**--STD10FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

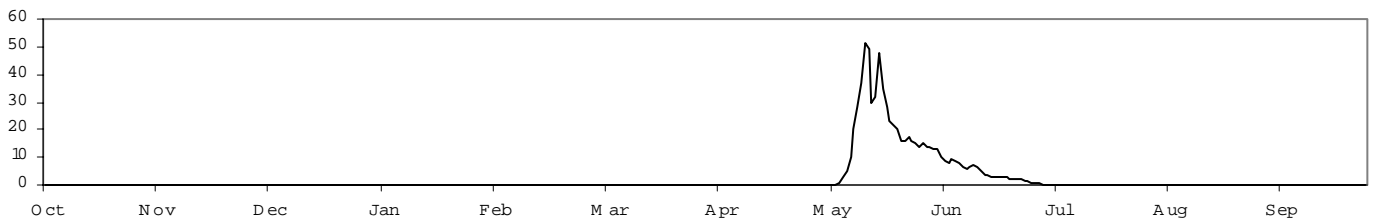
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	14	.63	0	0
2	0	0	0	0	0	0	0	0	14	.49	0	0
3	0	0	0	0	0	0	0	0	13	0	0	0
4	0	0	0	0	0	0	0	0	13	0	0	0
5	0	0	0	0	0	0	0	0	10	0	0	0
6	0	0	0	0	0	0	0	0	8.5	0	0	0
7	0	0	0	0	0	0	0	0	8.1	0	0	0
8	0	0	0	0	0	0	0	.88	9.4	0	0	0
9	0	0	0	0	0	0	0	2.8	8.7	0	0	0
10	0	0	0	0	0	0	0	5.4	7.6	0	0	0
11	0	0	0	0	0	0	0	10	6.6	0	0	0
12	0	0	0	0	0	0	0	20	5.9	0	0	0
13	0	0	0	0	0	0	0	28	6.2	0	0	0
14	0	0	0	0	0	0	0	37	7.1	0	0	0
15	0	0	0	0	0	0	0	51	6.6	0	0	0
16	0	0	0	0	0	0	0	49	4.9	0	0	0
17	0	0	0	0	0	0	0	30	3.9	0	0	0
18	0	0	0	0	0	0	0	32	3.6	0	0	0
19	0	0	0	0	0	0	0	48	3.2	0	0	0
20	0	0	0	0	0	0	0	35	3.2	0	0	0
21	0	0	0	0	0	0	0	28	3.1	0	0	0
22	0	0	0	0	0	0	0	23	3	0	0	0
23	0	0	0	0	0	0	0	22	3	0	0	0
24	0	0	0	0	0	0	0	20	2.5	0	0	0
25	0	0	0	0	0	0	0	16	2.5	0	0	0
26	0	0	0	0	0	0	0	16	2.1	0	0	0
27	0	0	0	0	0	0	0	17	2	0	0	0
28	0	0	0	0	0	0	0	16	1.8	0	0	0
29	0	0	0	0	---	0	0	15	1.6	0	0	0
30	0	0	0	0	---	0	0	14	.93	0	0	0
31	0	---	0	0	---	0	---	15	---	0	0	---
TOTAL	0	0	0	0	0	0	0	551.08	180.03	1.12	0	0
MEAN	0	0	0	0	0	0	0	17.8	6	.04	0	0
AC-FT	0	0	0	0	0	0	0	1090	357	2.2	0	0
MAX	0	0	0	0	0	0	0	51	14	.63	0	0
MIN	0	0	0	0	0	0	0	0	.93	0	0	0

CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR 2001	TOTAL	732.23	MEAN	2.01	MAX	51	MIN	0	AC-FT	1450

MAX DISCH: 88.6 CFS AT 20:00 ON May 15, 2001 GH 1.66 FT. SHIFT 0 FT.  
MAX GH: 1.66 FT. AT 20:00 ON May 15, 2001

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



## REPUBLICAN RIVER BASIN

## PIONEER DITCH AT HEADGATE NEAR LAIRD, CO

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

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

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

**REMARKS.**--The record is taken from mean daily chart GH's, with hourly data entered for subdivided days. The DCP data had numerous errors due to a decoding problem and was not used as the primary record. The record is complete and reliable except for the following periods: November 1- April 26: Canal was off. The record is good. Record developed by Brent Schantz.

**RATING TABLE.**--STD05FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

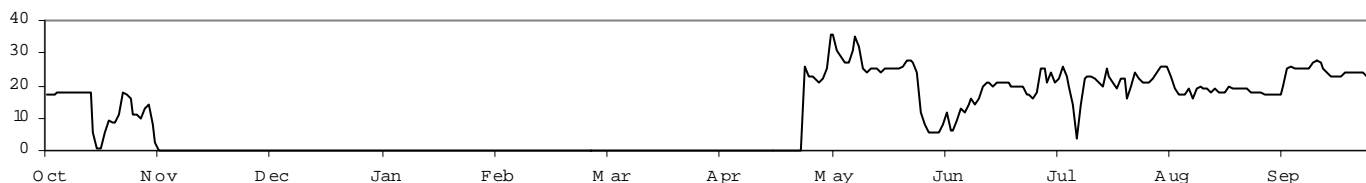
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	0	0	0	0	0	0	22	5.4	18	21	18
2	17	0	0	0	0	0	0	21	5.5	25	22	17
3	17	0	0	0	0	0	0	22	5.6	25	24	17
4	18	0	0	0	0	0	0	25	5.5	21	26	17
5	18	0	0	0	0	0	0	36	7.8	24	26	17
6	18	0	0	0	0	0	0	36	12	21	26	17
7	18	0	0	0	0	0	0	31	6.4	22	23	20
8	18	0	0	0	0	0	0	29	5.9	26	19	25
9	18	0	0	0	0	0	0	27	9.2	23	17	26
10	18	0	0	0	0	0	0	27	13	20	17	25
11	18	0	0	0	0	0	0	31	12	14	17	25
12	18	0	0	0	0	0	0	35	14	3.4	19	25
13	18	0	0	0	0	0	0	32	16	14	16	25
14	5.4	0	0	0	0	0	0	25	14	22	19	25
15	.6	0	0	0	0	0	0	24	16	23	20	27
16	.6	0	0	0	0	0	0	25	20	23	19	28
17	5.4	0	0	0	0	0	0	25	21	22	19	27
18	9.1	0	0	0	0	0	0	25	21	21	18	25
19	8.7	0	0	0	0	0	0	24	20	20	19	24
20	8.4	0	0	0	0	0	0	25	21	25	18	23
21	11	0	0	0	0	0	0	25	21	23	18	23
22	18	0	0	0	0	0	0	25	21	21	18	23
23	17	0	0	0	0	0	0	25	21	19	20	23
24	16	0	0	0	0	0	0	25	20	22	19	24
25	11	0	0	0	0	0	0	26	20	22	19	24
26	11	0	0	0	0	0	0	28	20	16	19	24
27	10	0	0	0	0	0	0	28	20	20	19	24
28	13	0	0	0	0	0	26	27	17	24	19	24
29	14	0	0	0	---	0	23	24	17	22	18	24
30	8	0	0	0	---	0	23	12	16	21	18	23
31	2.2	---	0	0	---	0	---	7.9	---	21	18	---
TOTAL	400.4	0	0	0	0	0	72	799.9	444.3	643.4	610	689
MEAN	12.9	0	0	0	0	0	2.4	25.8	14.8	20.8	20	23
AC-FT	794	0	0	0	0	0	143	1590	881	1280	1210	1370
MAX	18	0	0	0	0	0	26	36	21	26	26	28
MIN	.6	0	0	0	0	0	0	7.9	5.4	3.4	16	17

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	3659	MEAN	10	MAX	36	MIN	0	AC-FT	7260

MAX DISCH: 38.5 CFS AT 12:00 ON May 5, 2001 GH 1.55 FT. SHIFT -0.04 FT.  
MAX GH: 1.55 FT. AT 12:00 ON May 5, 2001

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



## REPUBLICAN RIVER BASIN

## PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE

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

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

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

**REMARKS.**--Record is complete and reliable except for the following periods: April 28-30, when no chart was installed. May 3,7-8, when clock on recorder was not working. Chart record was used as primary record due to decoding problems with the DCP record. The DCP record was used only for the period of May 1-8, when the clock on the recorder was not working. The record is good except for Aug. 31-Sept.30, which is poor due to submergence of the flume, and for the following periods of missing record which are estimated: April 28-30, May 3,7,8. Record developed by Brent Schantz.

**RATING TABLE.**--STD04FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

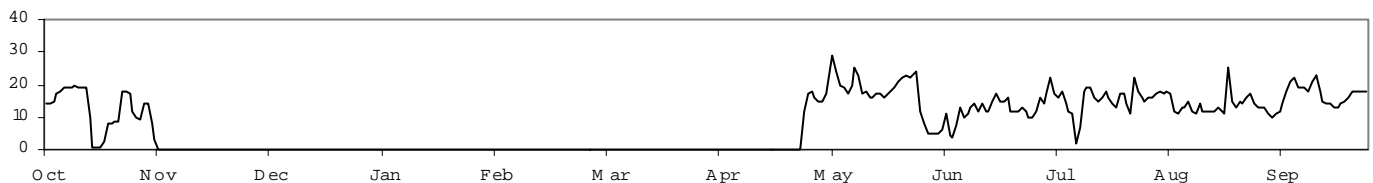
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	0	0	0	0	0	0	16	4.9	12	16	13
2	14	0	0	0	0	0	0	15	4.7	16	16	13
3	15	0	0	0	0	0	0	15	4.7	14	17	11
4	17	0	0	0	0	0	0	17	4.9	17	18	10
5	18	0	0	0	0	0	0	25	5.9	22	17	11
6	19	0	0	0	0	0	0	29	11	17	18	12
7	19	0	0	0	0	0	0	24	4.2	16	17	14
8	19	0	0	0	0	0	0	20	4	18	12	18
9	20	0	0	0	0	0	0	19	7.4	14	11	21
10	19	0	0	0	0	0	0	17	13	12	13	22
11	19	0	0	0	0	0	0	20	10	11	13	19
12	19	0	0	0	0	0	0	25	11	1.6	15	19
13	10	0	0	0	0	0	0	23	13	6.8	12	19
14	.89	0	0	0	0	0	0	17	14	18	11	18
15	.42	0	0	0	0	0	0	18	12	19	14	21
16	.43	0	0	0	0	0	0	16	14	19	12	23
17	2.4	0	0	0	0	0	0	16	12	16	12	18
18	8.2	0	0	0	0	0	0	17	12	15	12	15
19	8.1	0	0	0	0	0	0	17	15	16	12	14
20	8.9	0	0	0	0	0	0	16	17	18	13	14
21	8.5	0	0	0	0	0	0	17	15	16	12	13
22	18	0	0	0	0	0	0	18	15	14	11	13
23	18	0	0	0	0	0	0	19	16	13	25	14
24	17	0	0	0	0	0	0	21	12	17	15	15
25	12	0	0	0	0	0	0	22	12	17	13	16
26	10	0	0	0	0	0	0	23	12	14	15	18
27	9.5	0	0	0	0	0	0	22	13	11	14	18
28	14	0	0	0	0	0	12	23	12	22	16	18
29	14	0	0	0	---	0	17	24	9.6	18	17	18
30	8.1	0	0	0	---	0	18	12	10	16	14	18
31	3.1	---	0	0	---	0	---	7.9	---	15	13	---
TOTAL	383.54	0	0	0	0	0	47	590.9	321.3	471.4	446	486
MEAN	12.4	0	0	0	0	0	1.57	19.1	10.7	15.2	14	16
AC-FT	761	0	0	0	0	0	93	1170	637	935	885	964
MAX	20	0	0	0	0	0	18	29	17	22	25	23
MIN	.42	0	0	0	0	0	0	7.9	4	1.6	11	10
CAL YR 2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2001	TOTAL	2746.14	MEAN	7.52	MAX	29	MIN	0	AC-FT	5450		

MAX DISCH: 62.5 CFS AT 23:45 ON July 4, 2001 GH 2.36 FT. SHIFT 0.01 FT.

MAX GH: 2.36 FT. AT 23:45 ON July 4, 2001

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



## ARKANSAS RIVER BASIN

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

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

**GAGE.**--Water-stage recorder with satellite telemetry in a 42-inch metal shelter and well. Elevation of gage datum 9,720 ft. from topographic map.

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

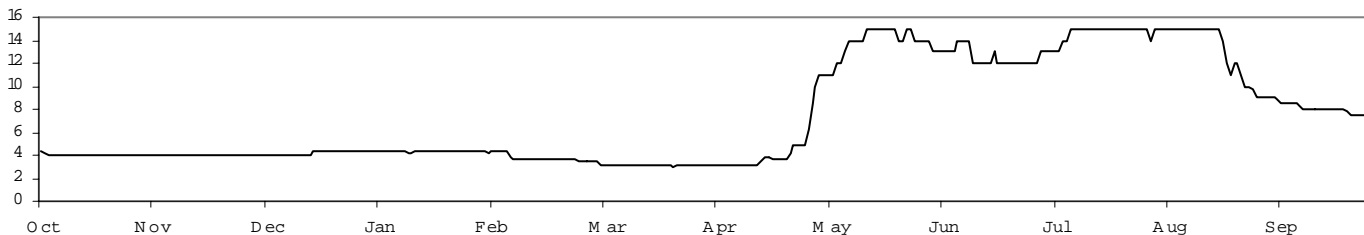
**RATING TABLE.**--LFCBSLCO04 USED FROM 01-OCT-2000 TO 29-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	4	4	4.3	4.2	3.4	3.1	8.6	14	12	15	9
2	4.1	4	4	4.3	4.3	3.4	3.1	10	14	12	14	9
3	4	4	4	4.3	4.3	3.4	3.1	11	13	13	15	9
4	4	4	4	4.3	4.3	3.1	3.1	11	13	13	15	9
5	4	4	4	4.3	4.3	3.1	3.1	11	13	13	15	9
6	4	4	4	4.3	4.3	3.1	3.1	11	13	13	15	8.8
7	4	4	4	4.3	3.8	3.1	3.1	11	13	13	15	8.5
8	4	4	4	4.3	3.7	3.1	3.1	12	13	13	15	8.5
9	4	4	4	4.3	3.7	3.1	3.1	12	13	14	15	8.5
10	4	4	4	4.1	3.7	3.1	3.1	13	14	14	15	8.5
11	4	4	4	4.2	3.7	3.1	3.1	14	14	15	15	8.5
12	4	4	4	4.3	3.7	3.1	3.1	14	14	15	15	8.3
13	4	4	4	4.3	3.7	3.1	3.1	14	14	15	15	8
14	4	4	4	4.3	3.7	3.1	3.1	14	12	15	15	8
15	4	4	4.3	4.3	3.7	3.1	3.1	14	12	15	15	8
16	4	4	4.3	4.3	3.7	3.1	3.1	15	12	15	15	8
17	4	4	4.3	4.3	3.7	3.1	3.5	15	12	15	15	8
18	4	4	4.3	4.3	3.7	3.1	3.8	15	12	15	15	8
19	4	4	4.3	4.3	3.7	3.1	3.8	15	12	15	15	8
20	4	4	4.3	4.3	3.7	3.1	3.7	15	13	15	15	8
21	4	4	4.3	4.3	3.7	3.1	3.7	15	12	15	15	8
22	4	4	4.3	4.3	3.7	3.1	3.7	15	12	15	14	8
23	4	4	4.3	4.3	3.7	3.1	3.7	15	12	15	12	8
24	4	4	4.3	4.3	3.7	3	3.7	15	12	15	11	8
25	4	4	4.3	4.3	3.7	3.1	4.1	14	12	15	12	7.9
26	4	4	4.3	4.3	3.5	3.1	4.9	14	12	15	12	7.5
27	4	4	4.3	4.3	3.4	3.1	4.9	15	12	15	11	7.5
28	4	4	4.3	4.3	3.4	3.1	4.9	15	12	15	10	7.5
29	4	4	4.3	4.3	---	3.1	4.9	14	12	15	10	7.5
30	4	4	4.3	4.3	---	3.1	6.2	14	12	15	9.7	7.5
31	4	---	4.3	4.3	---	3.1	---	14	---	15	9	---
TOTAL	124.4	120	129.1	133	106.4	96.9	109.1	415.6	380	445	424.7	246
MEAN	4	4	4.2	4.3	3.8	3.1	3.6	13.4	13	14	13.7	8.2
AC-FT	247	238	256	264	211	192	216	824	754	883	842	488
MAX	4.3	4	4.3	4.3	4.3	3.4	6.2	15	14	15	15	9
MIN	4	4	4	4.1	3.4	3	3.1	8.6	12	12	9	7.5
CAL YR 2000	TOTAL	8257.2	MEAN	22.6	MAX	673	MIN	3.1	AC-FT	16380		
WTR YR 2001	TOTAL	2730.2	MEAN	7.48	MAX	15	MIN	3	AC-FT	5420		

MAX DISCH: 15.8 CFS AT 10:30 ON May. 22, 2001 GH 0.5 FT. SHIFT 0.03 FT.  
MAX GH: 0.52 FT. AT 19:00 ON Jul. 10, 2001

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





## ARKANSAS RIVER BASIN

07084500 LAKE CREEK ABOVE TWIN LAKES RESERVOIR, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--75 mi<sup>2</sup>. April 1946 to Sept. 1962, Oct. 1963 to current year. Monthly data only for some periods.

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

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 2, 4, 2000, when ice affected the stage discharge relationship; Nov. 5, 2000 to April 16, 2001 when the station was closed for the winter. Record good, except during periods of no gage height record and ice effect, which is poor. Record developed and station maintained by L.R. Schultz.

**RATING TABLE.**--LAKATLCO20 USED FROM 01-OCT-2000 TO 30-SEP-2001

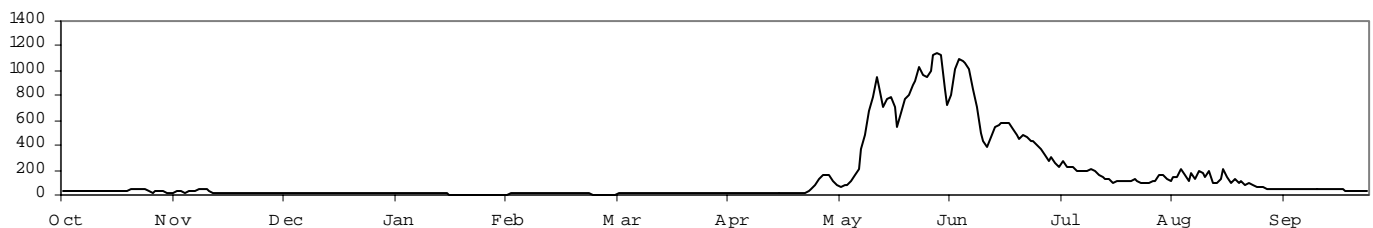
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	22	17	15	7.5	8	9.2	160	1120	376	112	58
2	34	25	17	15	8	8	9.4	167	1150	314	110	55
3	33	26	17	14	9	7.8	9.7	153	1120	267	154	53
4	35	24	17	14	9.6	7.8	11	107	854	309	163	50
5	38	26	18	13	10	8.2	13	80	718	262	125	50
6	36	28	18	14	10	9	12	71	805	218	107	50
7	33	25	17	12	9.6	9	12	76	1020	266	143	53
8	33	43	17	11	9.1	9	12	84	1100	233	147	53
9	32	53	17	10	8.6	9	14	114	1080	227	206	51
10	32	51	17	10	8.6	9	16	165	1070	220	166	48
11	31	32	17	10	8.8	8.8	16	203	1020	198	114	45
12	31	24	16	10	9	8.8	15	366	854	199	177	44
13	30	23	15	10	9.2	8.8	15	478	706	198	124	42
14	28	21	15	9.5	8.7	8.8	14	678	496	190	192	49
15	27	19	15	9	8.8	8.7	13	787	433	208	175	44
16	28	18	15	8.5	8.5	8.5	13	951	391	201	144	41
17	27	18	14	7.2	8.7	8.8	13	862	468	159	197	51
18	27	17	14	7.2	8.8	9	16	713	553	145	90	53
19	36	17	14	7.5	9	9	19	777	566	128	90	48
20	41	17	14	7.6	8.7	8.8	19	796	583	125	132	46
21	43	17	15	7.8	8.1	9	16	706	586	96	209	44
22	45	18	15	7.5	8.5	9.2	16	546	581	120	147	42
23	44	19	15	7.6	8.4	9	14	654	530	109	102	41
24	42	18	15	8	8.5	8.8	14	768	475	115	128	40
25	27	18	14	7.8	8.4	9	17	802	456	106	93	38
26	24	17	15	7.6	8	9	22	891	475	115	109	38
27	25	16	14	7.6	8	8.9	29	915	474	124	84	38
28	28	16	14	7.6	8	8.8	42	1030	440	111	99	37
29	27	17	15	7.4	---	8.6	85	964	442	104	79	36
30	24	17	15	7.8	---	8.6	125	953	402	99	59	36
31	23	---	15	7.5	---	8.8	---	1000	---	94	59	---
TOTAL	1000	702	483	298.7	244.1	270.5	651.3	17017	20968	5636	4036	1374
MEAN	32	23	16	9.6	8.7	8.7	21.7	549	699	182	130	46
AC-FT	1980	1390	958	592	484	537	1290	33750	41590	11180	8010	2730
MAX	45	53	18	15	10	9.2	125	1030	1150	376	209	58
MIN	23	16	14	7.2	7.5	7.8	9.2	71	391	94	59	36

CAL YR	2000	TOTAL	46470	MEAN	127	MAX	1350	MIN	10	AC-FT	92170
WTR YR	2001	TOTAL	52680.6	MEAN	144	MAX	1150	MIN	7.2	AC-FT	104500

MAX DISCH: 1390 CFS AT 21:00 ON Jun 1, 2001 GH 3.42 FT. SHIFT -0.41 FT.  
MAX GH: 3.42 FT. AT 21:00 ON Jun. 1, 2001

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



## ARKANSAS RIVER BASIN

## LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO

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

**GAGE.**--Water-stage recorder in poured concrete shelter and well with satellite monitored data collection platform and 30-ft. concrete flume. Datum of gage is 9,200 ft. above mean sea level.

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

**RATING TABLE.**--STD30FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

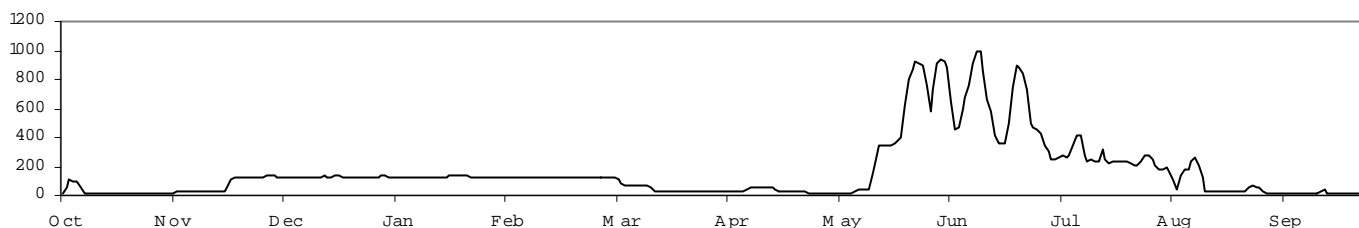
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	15	131	130	126	129	25	14	731	426	245	33
2	52	24	130	130	127	128	25	15	913	350	204	14
3	112	29	130	131	127	128	25	15	934	298	186	14
4	102	29	130	131	127	129	24	15	918	255	186	14
5	101	29	131	130	127	112	24	15	887	255	196	15
6	62	29	130	130	129	81	24	15	644	256	133	14
7	17	29	130	129	130	71	24	15	450	271	107	14
8	17	29	130	130	131	72	24	15	465	267	45	14
9	17	29	130	130	130	73	24	15	587	279	142	14
10	17	29	129	130	128	73	37	25	682	347	183	14
11	17	29	130	131	129	73	51	37	758	410	183	14
12	17	29	131	131	129	73	51	37	912	414	234	14
13	17	29	133	131	129	73	51	37	997	273	257	14
14	17	29	128	131	129	59	51	39	994	241	213	14
15	17	29	128	131	129	32	51	158	856	249	118	14
16	17	62	132	131	129	27	51	279	661	235	32	14
17	17	111	132	132	128	27	51	344	585	228	32	28
18	16	129	131	132	128	26	43	346	420	323	32	41
19	16	129	130	132	128	25	26	347	353	246	32	14
20	16	129	129	133	128	25	26	349	353	224	32	14
21	16	128	130	133	130	25	26	354	357	238	33	14
22	16	128	129	133	128	24	27	376	503	237	31	13
23	15	128	130	128	129	25	27	398	750	236	26	14
24	15	129	130	126	129	25	27	619	892	236	24	14
25	15	131	130	128	129	25	26	806	889	237	24	14
26	15	130	129	127	129	24	21	874	840	220	25	14
27	15	132	129	128	129	25	15	918	731	208	21	14
28	15	132	130	128	130	25	15	915	493	208	61	14
29	15	132	133	127	---	25	15	895	474	237	66	14
30	15	131	132	127	---	25	14	762	457	273	60	14
31	15	---	131	126	---	25	---	586	---	277	60	---
TOTAL	846	2277	4038	4027	3601	1709	921	9635	20486	8454	3223	480
MEAN	27	76	130	130	129	55	31	311	683	273	104	16
AC-FT	1680	4520	8010	7990	7140	3390	1830	19110	40630	16770	6390	952
MAX	112	132	133	133	131	129	51	918	997	426	257	41
MIN	15	15	128	126	126	24	14	14	353	208	21	13
CAL YR 2000	TOTAL	76216	MEAN	208	MAX	1530	MIN	14	AC-FT	151200		
WTR YR 2001	TOTAL	59697	MEAN	164	MAX	997	MIN	13	AC-FT	118400		

MAX DISCH: 1010 CFS AT 16:15 ON Jun. 12, 2001 GH 3.91 FT. SHIFT 0.02 FT.

MAX GH: 3.91 FT. AT 16:15 ON Jun. 12, 2001

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



ARKANSAS RIVER BASIN

07086000 ARKANSAS RIVER AT GRANITE, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--427 mi<sup>2</sup>. Sporadic data from April 1895 to May 1901. Complete data from April 1910 to current year. Monthly data for some periods only.

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

**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 29, 30, 2000; Jan. 1 and Jan. 31, 2001, when stage-discharge relationship was affected by ice. Nov. 12-17, Dec. 2, 11-22, 24, 27, 2000; Jan. 2-5, 7-9, 11, 12, 14-22, 24, 27-30; Feb. 1, 2, 9-11, 13-18, 23-27; Mar. 2-5, 15, 16, 19, 2001, when intakes may have been frozen. The shelter and well are situated on the right bank in calm water subject to significant shore ice during periods of freezing weather. Record good, except during periods of no gage height record and ice effect, which is poor. Station maintained and record developed by L.R. Schultz.

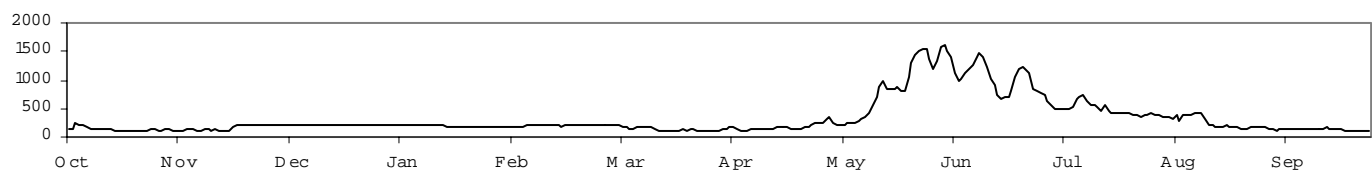
**RATING TABLE.**--ARKGRNCO11 USED FROM 01-OCT-2000 TO 22-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	114	222	204	186	212	109	312	1320	725	401	163
2	155	121	217	207	188	205	130	347	1570	631	369	131
3	229	134	218	208	191	206	145	252	1610	567	351	126
4	218	129	215	205	192	203	158	216	1520	502	344	121
5	225	134	220	200	192	190	158	216	1390	498	346	134
6	190	122	224	201	199	168	140	219	1130	498	315	136
7	129	115	222	199	204	155	120	229	985	508	401	146
8	125	126	223	197	206	156	117	236	1020	491	284	149
9	125	125	224	194	202	161	107	253	1120	542	382	148
10	126	119	222	196	200	161	123	268	1190	680	403	142
11	125	125	221	194	198	159	139	303	1260	710	390	136
12	125	113	219	193	202	159	133	357	1390	750	408	131
13	123	110	218	195	200	159	133	436	1460	625	422	131
14	117	111	214	193	195	150	135	562	1410	565	417	145
15	114	114	212	190	196	105	135	695	1240	566	327	138
16	113	167	210	189	192	95	148	891	1010	540	211	130
17	114	215	208	191	195	104	166	990	914	465	194	151
18	112	216	215	189	203	96	188	838	754	549	182	185
19	110	212	213	187	206	95	185	826	683	456	173	140
20	111	215	215	188	204	104	178	847	692	412	177	133
21	108	214	214	185	208	120	150	871	691	414	201	130
22	108	221	216	187	203	125	146	806	820	414	183	124
23	113	221	214	189	201	122	133	815	1060	405	172	119
24	135	217	215	187	202	124	141	1050	1190	409	158	112
25	130	219	217	190	201	127	170	1300	1220	406	150	112
26	120	208	208	190	200	122	182	1440	1170	396	148	111
27	118	226	205	189	205	121	201	1500	1140	386	140	110
28	127	226	211	187	214	113	231	1550	830	366	172	109
29	126	225	210	189	---	108	245	1540	812	377	188	107
30	116	226	208	186	---	105	262	1380	768	403	184	107
31	119	---	209	185	---	104	---	1180	---	415	192	---
TOTAL	4140	5040	6679	5984	5585	4334	4708	22725	33369	15671	8385	3957
MEAN	134	168	215	193	199	140	157	733	1112	506	270	132
AC-FT	8210	10000	13250	11870	11080	8600	9340	45080	66190	31080	16630	7850
MAX	229	226	224	208	214	212	262	1550	1610	750	422	185
MIN	108	110	205	185	186	95	107	216	683	366	140	107
CAL YR 2000	TOTAL	144666	MEAN	395	MAX	2270	MIN	94	AC-FT	286900		
WTR YR 2001	TOTAL	120577	MEAN	330	MAX	1610	MIN	95	AC-FT	239200		

MAX DISCH: 1710 CFS AT 04:00 ON Jun. 3, 2001 GH 4.84 FT. SHIFT 0.14 FT.  
MAX GH: 4.84 FT. AT 04:00 ON Jun. 3, 2001

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



## ARKANSAS RIVER BASIN

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO

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

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

**GAGE.**--Water-stage recorder in a 42-inch diameter metal pipe shelter and well. Float-tape index installed Jul. 29, 1993.

**REMARKS.**--Record good, except during periods of no gage height record and ice effect, which is poor. Record is complete and reliable except for the following periods: Nov. 4, 2000; April 12-14, 2001, when the stage-discharge relationship was affected by ice. Nov. 6-10, 12-16, 2000, when the well was frozen; Nov. 16, 2000 to April 3, 2001, when the station was closed for the winter. Station maintained and record developed by L.R. Schultz.

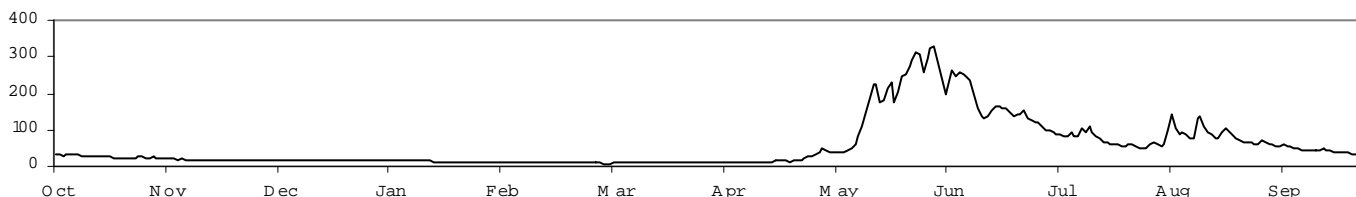
**RATING TABLE.**--CCACCRCO14 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	22	16	16	8.5	9	11	41	321	118	61	73
2	31	21	16	15	8.7	8	11	51	329	107	67	65
3	30	21	16	15	9	8	11	45	287	101	59	61
4	31	19	17	16	9.5	8	12	39	239	98	57	58
5	33	21	17	15	10	9	12	37	195	92	60	55
6	32	19	17	15	11	9.5	12	36	221	88	97	54
7	31	18	16	16	11	10	11	38	263	85	141	58
8	30	17	17	15	11	10	10	40	249	83	103	57
9	29	16	17	15	10	10	9.8	45	258	81	89	54
10	29	15	17	15	9	11	11	51	253	93	94	51
11	28	16	17	15	9	11	9.9	60	249	81	87	48
12	27	16	16	15	9.5	11	8.7	82	234	82	78	46
13	27	15	16	14	10	10	8.5	109	199	104	74	45
14	26	15	15	13	10	10	8.8	146	160	92	129	46
15	25	15	15	12	10	9	9	184	137	110	136	43
16	25	16	15	11	9.5	8.5	9.9	226	134	91	108	42
17	24	16	15	10	9.5	8.5	11	224	139	81	93	46
18	24	16	15	10	10	8.5	13	177	153	74	85	48
19	24	15	15	11	10	8.5	16	179	163	68	78	45
20	23	15	16	11	9.5	9	18	216	162	64	78	42
21	23	16	16	11	9.7	9.5	15	228	157	62	93	40
22	23	16	15	10	10	10	15	175	161	62	106	38
23	24	17	16	10	10	10	13	202	147	58	91	37
24	27	17	15	10	9.5	10	14	244	138	57	81	36
25	25	17	16	10	9.7	10	14	253	143	57	76	36
26	23	17	15	10	9	11	17	274	144	58	73	35
27	23	17	15	9.5	9	11	21	293	153	60	68	34
28	25	17	15	9.3	9	11	26	313	134	55	66	33
29	24	17	16	9.3	---	11	28	307	128	51	64	33
30	23	17	16	9	---	10	32	257	122	49	61	32
31	23	---	16	8.5	---	11	---	294	---	51	63	---
TOTAL	824	512	492	381.6	270.6	301	418.6	4866	5772	2413	2616	1391
MEAN	27	17	16	12.3	9.7	9.7	14	157	192	78	84	46
AC-FT	1630	1020	976	757	537	597	830	9650	11450	4790	5190	2760
MAX	33	22	17	16	11	11	32	313	329	118	141	73
MIN	23	15	15	8.5	8.5	8	8.5	36	122	49	57	32
CAL YR 2000	TOTAL	18950.1	MEAN	51.8	MAX	425	MIN	9	AC-FT	37590		
WTR YR 2001	TOTAL	20257.8	MEAN	55.5	MAX	329	MIN	8	AC-FT	40180		

MAX DISCH: 414 CFS AT 23:15 ON June 1, 2001 GH 4.42 FT. SHIFT 0.00 FT.  
MAX GH: 4.42 FT. AT 23:15 ON June 1, 2001

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



## ARKANSAS RIVER BASIN

## CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO

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

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

**GAGE.**--Float activated graphic water-stage recorder and shaft encoder in a metal-sided wood frame shelter and concrete well. Shaft encoder connected by data cable to satellite-monitored data collection platform (Sutron 8200) on Clear Creek Dam. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. Outside gage used as supplemental reference. Control is a 20-ft. wide, compound, broad-crested weir located at the gage.

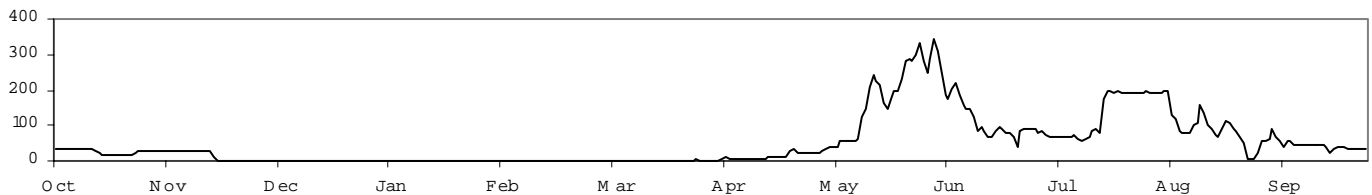
**REMARKS.**--Like the previous water year, the shaft encoder data for WY01 are unreliable due to data losses and problems with satellite transmissions (parity errors). There are many large data gaps in the satellite record. As a result, the WY01 record was computed primarily from the chart, with the available satellite and DCP log data providing backup. Record is complete and reliable, except for the following periods: June 24-26, 2001, when the chart recorder float counter-weight hung up on shelter floor, and satellite and DCP data were unavailable. Record good, except for periods of equipment malfunction, which are poor. Station maintained and record developed by L. R. Schultz.

**RATING TABLE.**--CCBCCRC004 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	28	1.1	1.1	1.1	1.1	1.5	25	289	81	194	57
2	32	28	1.1	1.1	1.1	1.1	1.5	29	341	83	194	57
3	32	28	.99	1.1	1.1	1.1	1.4	34	312	74	194	60
4	32	28	.99	1.1	1.1	1.1	6.1	41	247	70	194	92
5	32	28	.99	1.1	1.1	1.1	12	40	184	70	196	65
6	33	29	.99	1.1	1.1	1.1	8.2	40	173	70	196	54
7	33	29	.92	1.1	1.1	1.1	8.2	56	205	70	130	40
8	33	29	.92	1.1	1.1	1.1	8.2	57	219	70	117	55
9	33	29	.92	1.1	1.1	1.1	8.2	57	185	69	85	55
10	33	30	.92	1.1	1.1	1.1	8.2	58	160	69	78	47
11	33	29	.99	1.1	1.1	1.1	8.2	58	144	72	78	43
12	29	29	.99	1.1	1.1	1.1	8.2	61	144	63	81	43
13	21	29	.99	1.1	1.1	1.1	8.2	123	123	57	104	43
14	19	13	.99	1.1	1.1	1.1	8.2	147	87	64	109	43
15	19	1.1	.99	1.1	1.1	1.1	8.2	209	98	68	157	43
16	19	1.1	.99	1.1	1.1	1.1	8.2	243	83	87	138	43
17	19	1.1	.99	1.1	1.1	1.1	8.8	227	68	91	102	43
18	19	1.1	1.1	1.1	1.1	1.1	8.8	213	68	80	90	43
19	19	1.1	1.1	1.1	1.1	1.1	8.8	161	83	175	74	39
20	18	1.1	1.1	1.1	1.1	1.1	8.8	149	95	196	68	24
21	18	1.1	1.1	1.1	1.1	1.1	8.8	182	92	196	90	34
22	18	1.1	1.1	1.1	1.1	1.1	8.8	200	78	194	110	39
23	22	1.1	1.1	1.1	1.1	1.1	27	200	78	196	107	39
24	28	1.1	1.1	1.1	1.1	1.1	33	231	65	194	91	38
25	28	1.1	1.1	1.1	1.1	1.2	21	281	41	194	85	32
26	28	1.1	1.1	1.1	1.1	1.2	21	285	85	194	68	32
27	28	1.1	1.1	1.1	1.1	2.5	21	281	92	193	52	32
28	28	1.1	1.1	1.1	1.1	3	21	301	92	193	7.1	32
29	28	1.1	1.1	1.1	---	1.6	21	331	92	191	7.1	32
30	28	1.1	1.1	1.1	---	1.6	21	283	92	194	7.1	32
31	28	---	1.1	1.1	---	1.6	---	249	---	198	21	---
TOTAL	822	403.6	32.17	34.1	30.8	39.1	351.5	4852	4115	3816	3224.3	1331
MEAN	27	13.5	1.04	1.1	1.1	1.3	11.7	157	137	123	104	44
AC-FT	1630	801	64	68	61	78	697	9620	8160	7570	6400	2640
MAX	33	30	1.1	1.1	1.1	3	33	331	341	198	196	92
MIN	18	1.1	.92	1.1	1.1	1.1	1.4	25	41	57	7.1	24
CAL YR 2000	TOTAL	18649.57	MEAN	51.0	MAX	353	MIN	.85	AC-FT	36990		
WTR YR 2001	TOTAL	19051.57	MEAN	52.2	MAX	341	MIN	.92	AC-FT	37790		

MAX DISCH: 346 CFS AT 00:15 ON June 2, 2001 GH 3.04 FT. SHIFT 0.00 FT.  
MAX GH: 3.04 FT. AT 00:15 ON June 2, 2001



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

ARKANSAS RIVER BASIN

07089250 COTTONWOOD CREEK AT BUENA VISTA, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 12-14,16-20,26; Dec. 1-4, 11-19,21,22,24,26-30, 2000; Jan. 1-3,8-12,20-22,24-26; Feb. 1-3,9-18,25,26; Mar. 2-4,15,16,18,19, 2001, when ice affected the stage-discharge relationship. Nov. 21-24, 2000; Jan. 14-19,27-31,2001, when the well was frozen. Record good, except that for periods of ice effect, which is poor. Station maintained and record developed by L.R.Schultz.

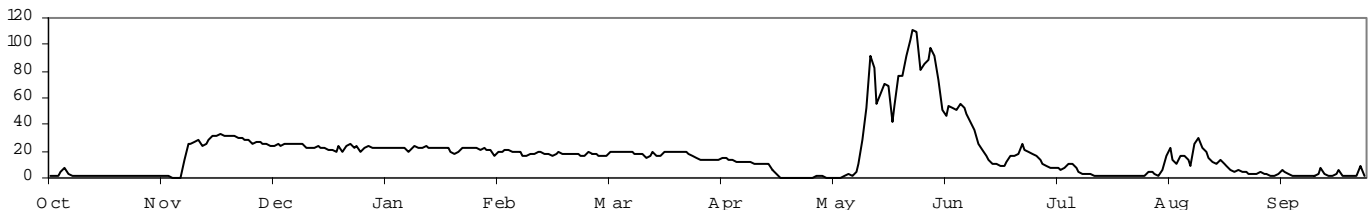
**RATING TABLE.**--COCRBVCO04 USED FROM 01-OCT-2000 TO 22-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	.8	24	22	17	18	14	.92	88	16	4.2	3.8
2	1.7	.79	24	22	19	16	14	2.1	97	14	4.1	2.8
3	1.7	.79	25	22	20	16	14	.88	92	11	3.4	2.6
4	3.8	.75	24	23	21	17	14	.62	74	9.3	1.9	1.9
5	6.9	.75	25	23	21	19	15	.64	51	7.3	5.6	1.9
6	3.3	.73	25	23	20	19	15	.67	46	6.9	17	2.4
7	1.7	14	25	22	20	19	14	.69	54	6.9	22	5.6
8	1.3	26	25	19	20	19	13	.69	53	5.8	14	4.2
9	1.2	26	25	21	17	19	12	.77	51	7.3	9.8	3.4
10	1.2	27	25	24	17	19	12	2.8	55	10	16	2
11	1.2	28	23	23	18	19	12	1.8	52	9.8	16	1.7
12	1.3	24	22	23	18	18	12	4.1	48	6.9	13	1.6
13	1.3	25	22	24	19	18	12	11	42	4.2	8.3	1.6
14	1.1	28	24	23	19	18	11	29	36	3.4	26	1.6
15	1.1	32	23	22	18	15	11	53	25	3.4	30	1.6
16	1.1	32	22	23	18	16	11	92	21	2.6	23	1.5
17	.99	33	21	22	17	19	11	83	17	1.9	19	2.9
18	.99	32	21	22	18	17	10	55	13	1.9	15	7
19	1	32	19	22	19	17	5.4	63	11	1.9	12	3.2
20	1	32	24	19	18	19	3	71	11	2	11	1.8
21	.99	32	20	18	18	19	.62	69	9	2	13	1.4
22	.96	30	24	19	18	19	.6	42	9.6	1.9	11	3
23	.98	30	25	22	18	20	.6	54	12	1.9	8.4	5.5
24	1.5	28	23	22	18	20	.6	76	16	2.2	5.4	1.2
25	.94	28	24	22	17	20	.61	76	17	2.2	5	1.1
26	.88	26	20	22	17	19	.52	91	18	2	5.9	1
27	.84	27	23	22	19	18	.43	103	26	2	4.2	.99
28	.85	27	24	21	18	16	.4	111	21	1.9	3.9	1.1
29	.82	26	22	22	---	15	.4	110	19	1.8	3.4	8.5
30	.8	26	23	21	---	14	.72	81	18	1.8	2.7	1.3
31	.8	---	23	21	---	14	---	85	---	1.9	3.1	---
TOTAL	46.14	675.61	719	676	517	551	240.9	1371.68	1102.6	154.1	337.3	80.19
MEAN	1.49	22.5	23	22	19	18	8.03	44.2	36.8	5	10.9	2.67
AC-FT	92	1340	1430	1340	1030	1090	478	2720	2190	306	669	159
MAX	6.9	33	25	24	21	20	15	111	97	16	30	8.5
MIN	.8	.73	19	18	17	14	.4	.62	9	1.8	1.9	.99
CAL YR 2000	TOTAL	6842.45	MEAN	18.7	MAX	148	MIN	0.73	AC-FT	13570		
WTR YR 2001	TOTAL	6471.52	MEAN	17.7	MAX	111	MIN	.4	AC-FT	12840		

MAX DISCH: 138 CFS AT 02:15 ON May. 29, 2001 GH 3.19 FT. SHIFT -0.05 FT.  
MAX GH: 3.19 FT. AT 02:15 ON May. 29, 2001

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



ARKANSAS RIVER BASIN

07091000 CHALK CREEK AT NATHROP, CO

**LOCATION.**--Lat 38°44'30", long 106°04'57", in SW¼SE¼NE¼SW¼ sec. 14, T.15 S., R.78 W., Chaffee County, on left bank, 640' north of the Junction of Co. Hwy. 162 and U.S. 285 on the frontage rd. parallel to U.S. 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 satellite telemetry at a low concrete dam control. Elevation of gage 7660' from topographic map.

**REMARKS.**--Record is complete and reliable except for the following periods: Dec.16,18,19,21, 2000; Jan. 15,17-19,21; Feb.1, 2001, when ice affected the stage-discharge relationship. Nov. 5-30; Dec. 1-31, 2000; Jan. 1-4, 6-31; Feb. 1-16,18-28; Mar. 1-19, 2001, when beaver dams affected the stage-discharge relationship. Record fair, except that for periods of ice effect and beaver dam backwater effect, which is poor. Station maintained and record developed by L.R. Schultz.

**RATING TABLE.**--CHCRNACO06 USED FROM 01-OCT-2000 TO 23-OCT-2001

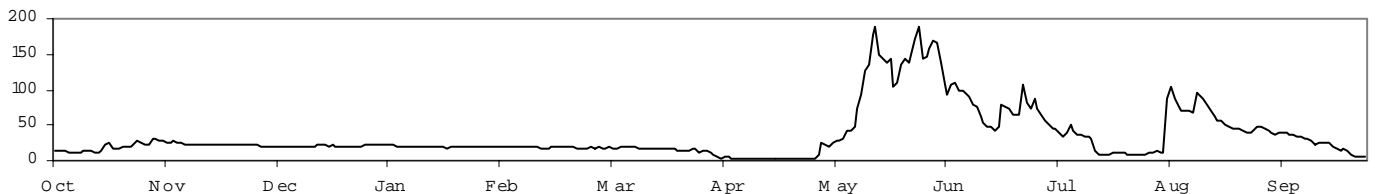
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	26	21	22	19	19	11	7.9	158	72	12	49
2	13	24	21	22	20	18	9.8	25	170	64	10	45
3	13	27	21	22	20	18	4.9	22	165	55	15	42
4	13	24	21	21	20	19	3.3	19	138	50	12	39
5	12	24	21	20	20	18	4.3	25	108	46	12	38
6	12	22	21	20	20	18	6.4	29	93	44	87	39
7	12	22	21	20	20	19	4	29	108	39	103	39
8	12	23	21	20	19	19	2.3	31	110	35	86	39
9	13	23	21	20	19	19	2.2	41	99	40	76	38
10	14	23	21	20	19	20	3.1	42	100	50	71	36
11	13	23	21	20	19	19	2.1	48	96	41	71	35
12	11	23	21	20	19	18	2.1	72	89	36	71	33
13	11	23	22	20	18	17	2.4	92	79	36	67	32
14	14	23	22	20	18	17	2.2	126	75	35	95	32
15	23	23	22	19	18	17	2.1	135	61	33	92	28
16	25	23	21	20	19	17	2.3	177	53	31	88	23
17	18	23	22	19	19	18	3	190	48	14	79	24
18	17	23	21	18	19	17	1.8	148	47	8.5	71	25
19	18	23	19	19	19	17	1.8	144	42	9.2	63	25
20	19	23	21	20	19	16	2	137	49	9	57	24
21	19	22	20	19	19	16	1.9	143	78	9.1	55	21
22	19	22	21	20	19	16	2.1	103	76	10	52	16
23	24	22	21	20	18	15	2.9	111	72	11	49	14
24	29	22	21	20	18	15	2.9	134	66	11	45	16
25	25	22	21	20	18	14	1.9	144	65	9.9	45	14
26	23	22	22	20	18	14	1.9	138	65	9.1	46	9.8
27	22	21	22	20	19	16	1.9	148	107	9.4	42	5.9
28	31	21	22	20	18	16	2.5	171	82	9.2	40	5.5
29	31	21	22	20	---	11	2.8	188	74	8.4	39	5.7
30	29	21	22	20	---	14	2.8	144	86	8.2	42	5.8
31	28	---	22	20	---	14	---	147	---	9.7	48	---
TOTAL	578	684	658	621	530	521	96.7	3110.9	2659	852.7	1741	798.7
MEAN	19	23	21	20	19	17	3.2	100	89	27.5	56	26.6
AC-FT	1150	1360	1310	1230	1050	1030	192	6170	5270	1690	3450	1580
MAX	31	27	22	22	20	20	11	190	170	72	103	49
MIN	11	21	19	18	18	11	1.8	7.9	42	8.2	10	5.5

CAL YR 2000 TOTAL 11337.5 MEAN 31.0 MAX 236 MIN 1.3 AC-FT 22490  
WTR YR 2001 TOTAL 12851 MEAN 35.2 MAX 190 MIN 1.8 AC-FT 25490

MAX DISCH: 229 CFS AT 04:30 ON May. 17, 2001 GH 4.37 FT. SHIFT -0.04 FT.  
MAX GH: 4.37 FT. AT 04:30 ON May. 17, 2001

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



## ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO

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

**DRAINAGE AREA.**--1,218 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in 4 ft x 4 ft steel shelter over a 36-inch well. Datum of gage is 7,050.45 ft.

**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 18, 2000, when new gage shelter was being installed. Dec. 13, 16, 26, 28-31, 2000; Jan. 1-3, 8, 18-22, 26, 29; Feb. 1, 2, 10, 2001, when gage height was affected by ice on the control; May 15, 19, 21 and June 6, 16, 22, 24, 27, 2001, when the counter-weights hung up on the tapes and float. Record good, except during periods of no or questionable gage height record, which should be considered poor. A comparison was made with the downstream station ARKANSAS RIVER nr. WELLSVILLE. Station maintained and record developed by L.R. Schultz.

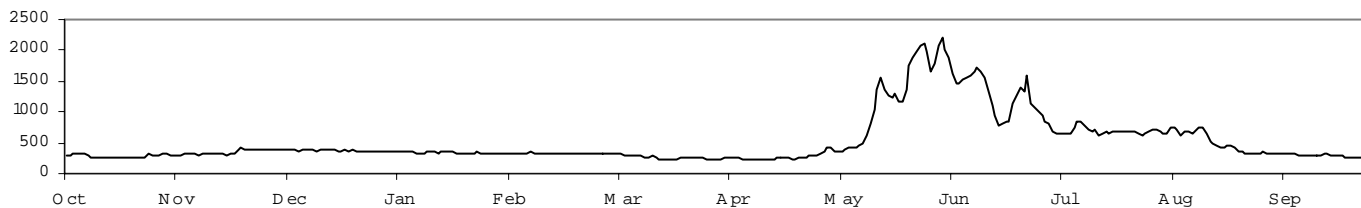
**RATING TABLE.**--ARKSALCO28 USED FROM 1-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	281	306	376	343	318	329	221	358	1770	952	712	361
2	276	306	377	344	325	324	232	423	2070	841	701	329
3	320	321	377	345	333	316	246	424	2200	798	674	314
4	325	324	375	349	324	318	253	355	2000	689	655	318
5	337	322	373	343	326	321	273	356	1870	663	651	333
6	335	315	375	341	324	304	272	366	1620	652	749	314
7	297	301	374	340	331	283	246	402	1470	638	762	318
8	274	318	377	333	346	279	229	420	1470	644	712	322
9	271	337	376	337	336	280	222	424	1510	642	612	332
10	269	331	369	341	326	284	219	422	1570	743	686	322
11	268	340	379	356	332	282	234	446	1580	834	671	304
12	268	332	387	345	325	273	237	500	1640	846	635	303
13	266	328	385	334	322	273	233	604	1730	792	696	296
14	263	319	389	346	325	280	233	807	1670	710	733	307
15	265	308	374	342	324	249	233	1030	1570	691	758	307
16	269	315	369	342	319	228	231	1370	1320	703	645	291
17	263	340	373	342	318	234	243	1560	1100	617	534	292
18	263	381	379	337	318	226	261	1370	939	650	478	331
19	262	407	364	328	322	223	269	1260	771	667	445	325
20	261	387	377	333	326	233	265	1240	817	661	415	294
21	260	384	362	327	323	240	245	1300	841	675	424	281
22	261	385	371	333	331	253	233	1180	838	676	445	280
23	272	390	367	336	327	252	224	1180	1130	673	439	277
24	312	381	361	350	323	261	245	1350	1280	682	406	268
25	291	379	358	333	319	255	251	1760	1410	683	371	260
26	282	375	350	332	319	256	267	1870	1340	687	370	255
27	281	376	354	327	326	250	278	1970	1590	674	333	248
28	309	389	350	331	328	247	294	2070	1140	663	310	244
29	310	381	350	328	---	234	308	2110	1070	627	319	248
30	303	386	348	329	---	229	324	1980	1020	653	313	244
31	308	---	345	326	---	226	---	1660	---	691	320	---
TOTAL	8822	10464	11441	10473	9116	8242	7521	32567	42346	21817	16974	8918
MEAN	285	349	369	338	326	266	251	1051	1412	704	548	297
AC-FT	17500	20760	22690	20770	18080	16350	14920	64600	83990	43270	33670	17690
MAX	337	407	389	356	346	329	324	2110	2200	952	762	361
MIN	260	301	345	326	318	223	219	355	771	617	310	244
CAL YR 2000	TOTAL	209327	MEAN	572	MAX	2980	MIN	209	AC-FT	415200		
WTR YR 2001	TOTAL	188701	MEAN	517	MAX	2200	MIN	219	AC-FT	374300		

MAX DISCH: 2280 CFS AT 07:45 ON Jun. 3, 2001 GH 3.2 FT. SHIFT -0.08 FT.  
MAX GH: 3.2 FT. AT 07:45 ON Jun. 3, 2001

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





## ARKANSAS RIVER BASIN

07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--1,485 mi<sup>2</sup>. April 1961 to current year.

**GAGE.**-- Accububble with satellite telemetry referenced to outside chain gage. DCP data is the primary source of record. Datum of gage is 6,883.4 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 13, 14, 16-19; Dec. 12-14, 16, 19, 21, 27-31, 2000; Jan. 2-4, 8, 14, 16-18, 24, 26, 28, 29; Feb. 1, 2, 10, 2001, when the orifice line was temporarily frozen. Record good, except during periods of orifice freezing, which is poor. It was found that the more the temperature dropped, the more frozen the orifice became. This information was used along with good record before & after orifice freezing to determine periods of missing record. Station maintained and record developed by L.R. Schultz.

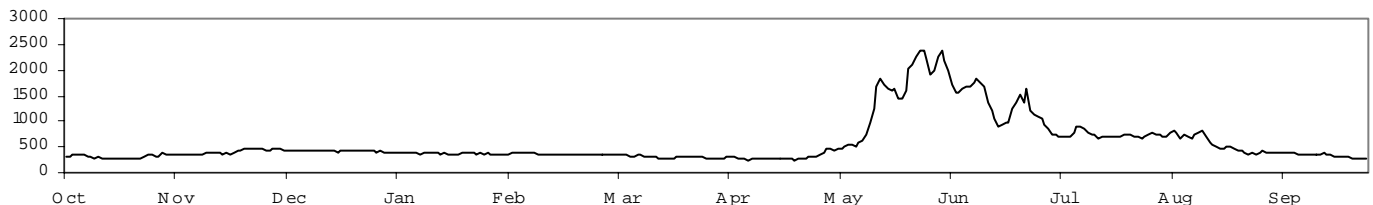
**RATING TABLE.**--ARKWELCO06 USED FROM 01-OCT-2000 TO 08-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	313	351	442	404	350	368	265	377	1970	1040	762	420
2	305	354	437	390	364	362	280	449	2270	928	754	390
3	344	366	442	400	372	361	292	473	2390	876	729	372
4	359	368	440	402	372	363	301	425	2170	758	714	377
5	370	367	438	401	375	366	323	452	2000	727	694	394
6	366	358	443	398	374	353	320	481	1730	713	793	374
7	325	342	441	396	376	336	289	524	1550	693	812	375
8	296	365	443	370	393	329	264	533	1550	700	765	381
9	292	392	439	375	373	330	256	526	1620	697	654	390
10	293	392	433	387	365	337	250	523	1670	794	732	377
11	291	408	437	388	370	336	263	567	1690	902	718	355
12	291	395	430	380	369	322	268	633	1740	915	680	349
13	288	380	440	391	364	320	260	730	1840	864	737	341
14	286	365	434	370	365	328	260	965	1770	764	775	351
15	284	372	428	374	363	298	259	1250	1690	743	809	351
16	287	357	408	350	358	278	261	1660	1370	753	708	337
17	283	388	413	370	358	289	274	1850	1190	674	592	335
18	279	444	419	360	357	279	288	1710	1060	696	529	371
19	279	436	415	365	362	278	292	1620	877	714	491	369
20	280	454	426	379	367	292	290	1590	931	705	464	333
21	283	455	412	383	362	300	275	1650	967	719	473	317
22	282	459	421	379	370	310	259	1460	955	718	498	316
23	307	461	426	392	365	312	252	1430	1240	716	488	312
24	366	451	420	370	361	321	270	1590	1370	726	455	305
25	344	450	421	375	356	317	277	2010	1510	734	428	297
26	330	447	413	370	359	312	292	2120	1370	737	429	288
27	328	444	405	379	367	303	304	2250	1640	719	393	280
28	375	458	410	365	368	296	318	2360	1190	706	367	274
29	365	451	400	355	---	280	331	2370	1130	672	374	279
30	353	454	408	361	---	275	346	2220	1080	693	369	273
31	354	---	400	357	---	271	---	1890	---	735	377	---
TOTAL	9798	12184	13184	11736	10255	9822	8479	38688	45530	23531	18563	10283
MEAN	316	406	425	379	366	317	283	1248	1518	759	599	343
AC-FT	19430	24170	26150	23280	20340	19480	16820	76740	90310	46670	36820	20400
MAX	375	461	443	404	393	368	346	2370	2390	1040	812	420
MIN	279	342	400	350	350	271	250	377	877	672	367	273
CAL YR 2000	TOTAL	230042	MEAN	628	MAX	3150	MIN	293	AC-FT	456280		
WTR YR 2001	TOTAL	212053	MEAN	581	MAX	2390	MIN	250	AC-FT	420600		

MAX DISCH: 2520 CFS AT 08:45 ON Jun 3, 2001 GH 6.18 FT. SHIFT 0.06 FT.  
MAX GH: 6.18 FT. AT 08:45 ON Jun 3, 2001

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



ARKANSAS RIVER BASIN

07095000 GRAPE CREEK NEAR WESTCLIFFE, CO

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

**DRAINAGE AREA.**--320 mi².

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

**REMARKS.**--Record is complete and reliable except for the following periods: November 6-30, December 1-16, 2000; Feb 25, and March 1-4, 2001, when the stage-discharge relationship was affected by shore ice and ice on the control. December 17-31, 2000; January 1-31, and February 1-20, 2001 when chart and shaft encoder floats were frozen in ice in the well. Record good, except for periods of ice effect and no gage height record, which are poor. Station maintained and record developed by Thomas W. Ley.

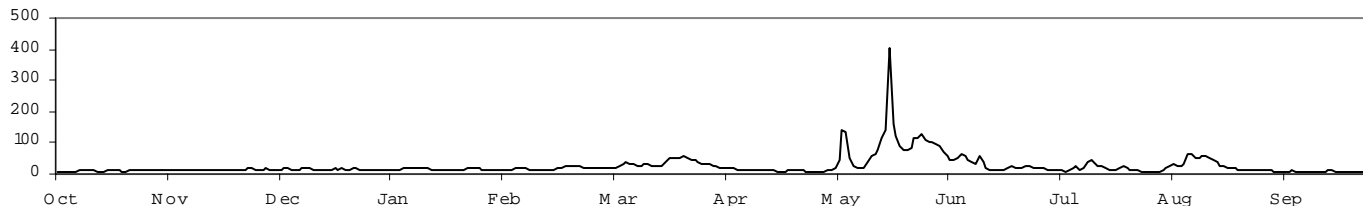
**RATING TABLE.**--GRAWESCO08 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	12	15	14	13	18	28	7.9	102	20	8	11
2	8.9	12	16	14	13	18	26	8	97	17	8.6	12
3	8.8	13	17	15	14	17	21	11	89	14	8.5	9.8
4	8.7	13	17	16	16	19	18	14	73	13	14	9.1
5	9.1	14	16	17	17	22	17	22	57	13	17	9.3
6	9.4	13	15	17	17	28	18	43	45	12	25	9
7	9.8	12	16	18	18	32	18	142	42	9.9	30	9.6
8	10	13	17	19	17	36	16	132	49	8.8	26	9.4
9	11	12	18	18	15	33	14	51	64	14	23	9.7
10	10	13	17	17	15	29	14	28	59	18	34	9.3
11	9.8	13	15	17	16	26	15	19	47	25	62	8.8
12	9.3	12	15	17	16	25	15	20	38	16	63	8.8
13	9.3	13	16	16	15	33	15	21	33	18	52	8.7
14	9.5	14	15	16	16	34	14	37	56	38	50	9
15	10	14	16	15	15	26	13	57	36	42	57	9.6
16	10	13	16	15	15	26	13	67	19	37	59	9.1
17	10	13	17	14	17	25	12	77	15	27	50	9.4
18	9.9	12	16	14	20	27	10	117	12	24	42	9.5
19	9.3	13	17	14	23	38	8	139	10	19	36	9.8
20	9.5	13	16	15	26	50	8.2	403	12	16	27	10
21	9.9	15	16	15	26	52	8.7	160	16	14	24	9.3
22	11	16	17	16	24	52	10	123	21	15	19	8.9
23	14	18	17	18	23	51	14	89	28	17	19	8.9
24	14	17	16	19	20	56	15	78	21	23	18	8.9
25	13	16	14	18	18	52	12	74	18	18	15	8.2
26	13	16	13	17	19	44	10	83	17	13	15	8.2
27	13	16	13	16	19	45	9.4	115	25	13	12	8.2
28	14	17	14	15	19	37	8.8	118	23	11	10	8.2
29	14	15	14	15	---	31	8.5	126	20	8.8	11	8.4
30	12	15	14	14	---	34	8.3	111	22	8.4	11	8.7
31	13	---	14	14	---	30	---	104	---	8.3	10	---
TOTAL	332.1	418	485	495	502	1046	417.9	2596.9	1166	551.2	856.1	276.8
MEAN	10.7	14	16	16	18	34	13.9	83.8	39	17.8	27.6	9.2
AC-FT	659	829	962	982	996	2070	829	5150	2310	1090	1700	549
MAX	14	18	18	19	26	56	28	403	102	42	63	12
MIN	8.7	12	13	14	13	17	8	7.9	10	8.3	8	8.2
CAL YR 2000	TOTAL	7028.6	MEAN	19.2	MAX	274	MIN	4.5	AC-FT	13940		
WTR YR 2001	TOTAL	9143	MEAN	25	MAX	403	MIN	7.9	AC-FT	18140		

MAX DISCH: 566 CFS AT 02:00 ON May. 20, 2001 GH 2.95 FT. SHIFT 0.03 FT.  
MAX GH: 2.95 FT. AT 02:00 ON May. 20, 2001

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



## ARKANSAS RIVER BASIN

07096000 ARKANSAS RIVER AT CANON CITY, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--3,117 mi<sup>2</sup>. January 1888 to current year. Monthly data only for some periods. Published as near Canyon 1900-1906.

**GAGE.**--Water-stage recorder with satellite telemetry in 42-inch metal pipe shelter and well. Cableway 15-20 feet downstream from gage. Well extension made and platform installed in 1996. Datum of gage is 5,342.13 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable. Record good. Station maintained and record developed by Thomas W. Ley.

**RATING TABLE.**--ARKCANCO22 USED FROM 01-OCT-2000 TO 03-OCT-2001

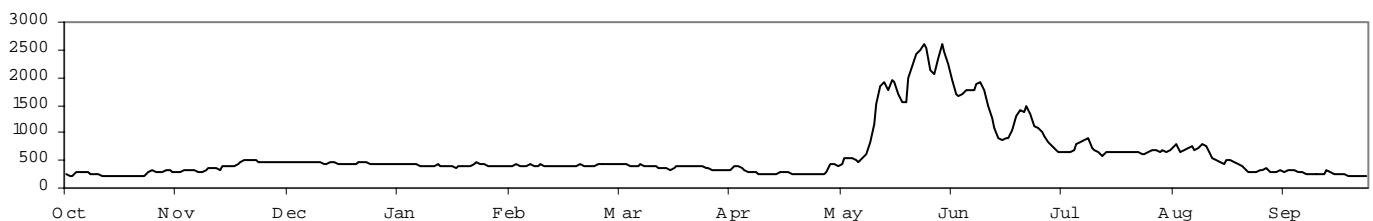
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	244	307	475	430	385	433	322	268	2070	1020	676	321
2	233	304	453	432	386	424	317	298	2350	941	699	346
3	227	313	465	422	414	418	330	428	2610	844	657	290
4	284	325	466	433	424	419	334	429	2470	769	701	278
5	283	320	459	433	395	420	342	407	2230	678	656	300
6	296	326	470	433	400	431	392	439	1940	660	694	321
7	298	303	469	426	399	420	391	526	1690	642	766	307
8	250	300	465	415	417	409	354	554	1650	638	798	321
9	240	331	464	401	410	407	341	526	1710	659	649	338
10	237	344	466	412	402	411	300	501	1760	685	703	314
11	232	363	454	412	425	422	290	482	1770	805	733	289
12	226	362	445	408	394	398	296	540	1780	833	762	275
13	224	342	451	417	400	385	269	618	1890	881	695	264
14	224	391	465	396	401	402	252	819	1910	894	730	261
15	219	415	469	405	397	387	249	1140	1780	708	803	267
16	224	400	447	407	395	353	246	1530	1500	695	765	268
17	220	395	430	391	397	345	248	1840	1250	666	617	263
18	213	435	446	371	393	350	263	1900	1100	596	538	267
19	207	466	422	385	393	338	275	1760	892	641	499	308
20	206	499	438	415	402	348	281	1950	870	637	453	275
21	210	498	441	404	410	380	284	1920	896	637	433	252
22	213	488	452	409	417	393	254	1710	907	643	490	246
23	231	493	469	441	413	397	255	1540	1060	641	494	246
24	277	486	458	475	404	414	238	1560	1290	648	483	242
25	311	476	450	422	403	412	256	1980	1410	661	440	234
26	287	476	446	425	410	407	243	2210	1380	664	409	230
27	276	468	419	411	427	399	253	2410	1500	656	374	223
28	302	481	436	411	428	381	242	2500	1340	641	301	215
29	341	481	447	402	---	361	248	2600	1110	616	275	210
30	315	480	442	399	---	351	256	2520	1070	609	304	221
31	306	---	437	399	---	334	---	2140	---	634	321	---
TOTAL	7856	12068	14016	12842	11341	12149	8621	40045	47185	21942	17918	8192
MEAN	253	402	452	414	405	392	287	1292	1573	708	578	273
AC-FT	15580	23940	27800	25470	22490	24100	17100	79430	93590	43520	35540	16250
MAX	341	499	475	475	428	433	392	2600	2610	1020	803	346
MIN	206	300	419	371	385	334	238	268	870	596	275	210

CAL YR 2000 TOTAL 224760 MEAN 614 MAX 2970 MIN 202 AC-FT 445800  
WTR YR 2001 TOTAL 214175 MEAN 587 MAX 2610 MIN 206 AC-FT 424800

MAX DISCH: 2710 CFS AT 16:30 ON Jun. 3, 2001 GH 8.29 FT. SHIFT 0.08 FT.  
MAX GH: 8.29 FT. AT 16:30 ON Jun. 3, 2001

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



ARKANSAS RIVER BASIN

07097000 ARKANSAS RIVER AT PORTLAND, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for: December 12, 14, 18, 19, 21,2000; and Jan 16-19, 2001, when ice affected the stage discharge relationship and/or the well was temporarily frozen. February 2-5, when both the DCP was not recording and the chart recorder clock stopped. Record good, except during periods of estimated flows, which is poor. Station maintained and record developed by Anthony D. Gutierrez.

**RATING TABLE.**--ARKPORCO04 USED FROM 01-OCT-2000 TO 05-OCT-2001

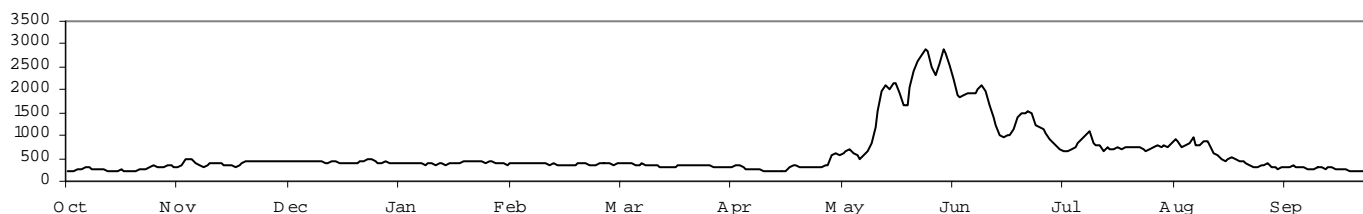
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	230	327	441	395	371	391	296	335	2300	1130	743	353
2	224	361	423	394	380	379	301	367	2580	1060	767	384
3	212	468	431	387	387	365	294	555	2900	923	735	325
4	254	476	439	403	395	372	302	621	2820	845	769	290
5	271	476	432	401	400	385	300	589	2540	725	747	281
6	295	403	446	404	410	392	335	623	2230	697	831	323
7	303	329	438	396	396	377	341	667	1890	676	903	321
8	284	320	438	374	415	372	302	693	1850	663	893	328
9	251	343	440	351	414	363	280	625	1890	696	743	344
10	249	384	442	375	380	369	263	565	1940	734	784	327
11	245	409	426	379	399	379	261	498	1940	841	838	305
12	236	409	411	371	377	360	271	567	1920	897	957	285
13	230	373	414	384	367	337	262	653	2030	1010	783	269
14	228	352	428	374	372	354	218	840	2100	1110	798	265
15	236	361	430	360	366	351	217	1190	1950	835	863	268
16	244	342	410	375	365	316	207	1550	1680	783	862	288
17	237	313	389	390	364	304	208	1970	1380	767	706	285
18	235	367	388	395	360	313	220	2080	1230	654	606	281
19	230	410	387	410	357	297	221	2020	1020	730	547	310
20	235	439	393	455	361	296	222	2150	969	717	476	290
21	241	445	396	455	372	331	293	2150	994	704	449	263
22	241	449	427	446	377	346	346	1930	1010	725	488	244
23	257	448	457	428	377	344	330	1680	1120	713	506	243
24	308	444	469	435	370	365	315	1660	1380	737	490	247
25	330	430	482	426	361	371	315	2070	1490	750	458	230
26	308	438	455	412	353	368	312	2400	1490	765	440	224
27	295	432	394	425	378	369	304	2630	1540	753	402	215
28	303	435	408	421	380	344	301	2740	1500	727	335	210
29	367	449	429	407	---	329	318	2880	1210	693	301	200
30	349	449	396	407	---	335	323	2840	1160	658	320	210
31	320	---	397	396	---	302	---	2480	---	687	338	---
TOTAL	8248	12081	13156	12431	10604	10876	8478	44618	52053	24405	19878	8408
MEAN	266	403	424	401	379	351	283	1439	1735	787	641	280
AC-FT	16360	23960	26090	24660	21030	21570	16820	88500	103200	48410	39430	16680
MAX	367	476	482	455	415	392	346	2880	2900	1130	957	384
MIN	212	313	387	351	353	296	207	335	969	654	301	200

CAL YR	2000	TOTAL	230543	MEAN	628	MAX	3360	MIN	191	AC-FT	457280
WTR YR	2001	TOTAL	225236	MEAN	617	MAX	2900	MIN	200	AC-FT	446800

MAX DISCH: 3060 CFS AT 22:00 ON May. 28, 2001 GH 4.99 FT. SHIFT 0.3 FT.  
MAX GH: 4.99 FT. AT 22:00 ON May. 28, 2001

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



## ARKANSAS RIVER BASIN

07099400 ARKANSAS RIVER ABOVE PUEBLO, CO

**LOCATION.**--Lat 38°16'18", long 104°43'03", in SE¼NE¼ sec. 36, T.20 S., R.66 W., Pueblo County, Hydrologic Unit 11020002, on left bank of Arkansas River, 200' downstream from NE corner of Arkansas River bridge, approx. 0.4 mi. downstream from Pueblo Dam, and 7 mi. West of Pueblo.

**DRAINAGE AREA AND PERIOD OF RECORD.**--4,670 mi<sup>2</sup>. October 1965 to current year. Periodic water quality and sediment data available Oct. 1965 to current year.

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

**REMARKS.**--Record is complete and reliable, except for the period Sep 26-30, 2001, when the floats were resting on mud in the well. Good chart record data were used in several instances when DCP or shaft encoder problems were experienced. Record good. Station maintained and record developed by Anthony D. Gutierrez.

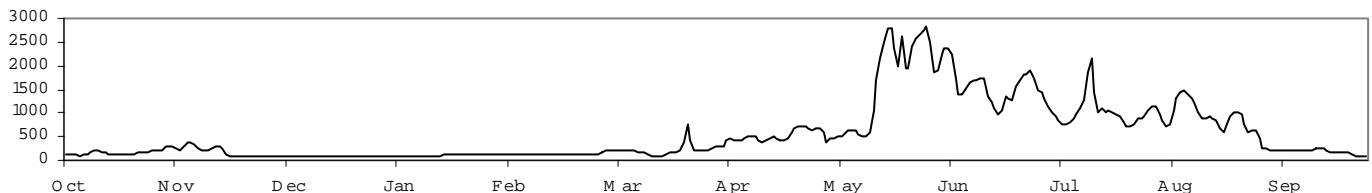
**RATING TABLE.**--ARKPUECO16 USED FROM 01-OCT-2000 TO 01-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	264	98	100	111	205	299	575	1860	1430	1120	266
2	136	222	98	100	111	206	299	399	1890	1330	1140	242
3	128	281	98	100	111	206	299	481	2240	1150	987	226
4	117	387	98	100	111	207	430	481	2370	1020	830	216
5	97	398	97	100	112	206	451	501	2370	939	739	216
6	112	358	97	100	112	207	417	510	2250	841	774	215
7	126	249	97	100	110	207	433	556	1750	771	1070	216
8	151	199	98	100	110	207	428	621	1410	753	1310	216
9	200	199	98	101	109	198	469	613	1410	805	1440	224
10	205	200	98	100	110	174	494	614	1510	900	1460	229
11	188	240	98	100	110	174	487	538	1640	981	1410	229
12	187	282	98	100	109	151	486	490	1700	1080	1320	211
13	143	292	98	100	109	114	405	492	1680	1270	1240	199
14	126	252	98	100	110	104	361	603	1740	1850	1030	199
15	132	143	98	106	110	104	417	1050	1730	2150	868	227
16	132	99	99	106	110	104	461	1670	1370	1430	893	252
17	133	99	99	106	110	101	489	2160	1240	1020	935	252
18	133	99	98	106	110	132	457	2510	1110	1090	884	237
19	133	99	98	106	110	165	435	2780	992	1010	830	200
20	147	100	99	106	110	175	433	2780	1060	1040	680	182
21	171	100	99	106	110	187	472	2350	1360	1010	583	182
22	180	100	98	108	110	215	589	1990	1300	987	728	183
23	168	100	99	108	110	362	668	2620	1260	941	932	186
24	172	100	99	108	110	772	706	1950	1550	790	1010	187
25	213	101	100	108	110	418	706	1950	1710	737	1010	182
26	222	101	99	108	110	222	703	2410	1800	712	952	134
27	222	98	100	109	110	211	672	2580	1820	773	759	98
28	223	98	100	111	163	222	648	2650	1900	887	599	98
29	284	98	100	111	---	222	676	2730	1720	884	614	98
30	316	98	100	110	---	222	669	2820	1490	930	613	98
31	315	---	100	111	---	272	---	2500	---	1040	445	---
TOTAL	5359	5456	3054	3235	3138	6672	14959	46974	49232	32551	29205	5900
MEAN	173	182	99	104	112	215	499	1515	1641	1050	942	197
AC-FT	10630	10820	6060	6420	6220	13230	29670	93170	97650	64560	57930	11700
MAX	316	398	100	111	163	772	706	2820	2370	2150	1460	266
MIN	97	98	97	100	109	101	299	399	992	712	445	98
CAL YR 2000	TOTAL	220248	MEAN	602	MAX	2910	MIN	82	AC-FT	436900		
WTR YR 2001	TOTAL	205735	MEAN	564	MAX	2820	MIN	97	AC-FT	408100		

MAX DISCH: 2850 CFS AT 23:00 ON May. 22, 2001 GH 4.89 FT. SHIFT 0.18 FT.  
MAX GH: 4.89 FT. AT 23:00 ON May. 22, 2001

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



## ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING, CO

**LOCATION.**--Lat 37°43'40", long 105°21'03", in sec 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares crossing, 500 ft downstream from private bridge, .2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

**DRAINAGE AREA.**--73 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in 4 foot diameter culvert pipe shelter and well.

**REMARKS.**--Record complete and reliable except for the following periods: November 6-10, 12, 2000; February 15-17, and March 11-16, 2001, when the stage-discharge relationship was affected by ice. November 13-30; December 1-31, 2000; January 1-31; February 1-13, 2001, when ice affected float movement in the well or the well was frozen. Record fair except for periods of ice effect, which should be considered poor. Station maintained and record developed by Anthony D. Gutierrez.

**RATING TABLE.**--HURREDCO22 USED FROM 01-OCT-2000 TO 03-OCT-2001

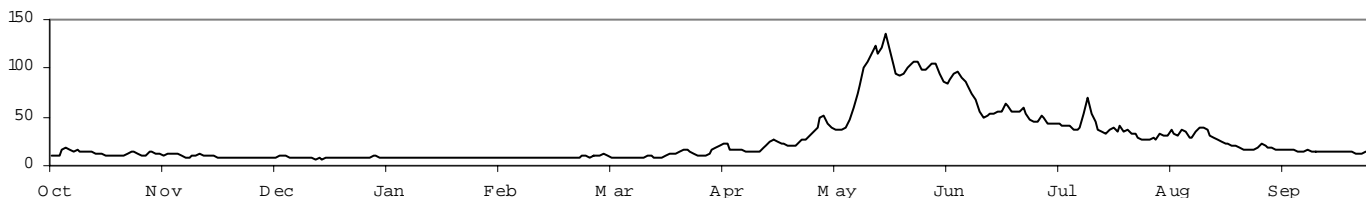
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	10	9	8.7	8	9.9	13	39	102	45	27	22
2	11	12	9	8.7	8	11	17	50	104	52	28	20
3	11	12	10	9	8	12	19	52	104	49	26	19
4	16	12	10	9	8.5	11	21	43	94	44	32	18
5	19	12	10	9	8.5	8.8	22	40	86	43	31	17
6	16	9.8	9	8.5	8.5	7.3	23	38	84	44	31	17
7	15	9	8.5	8.5	8.5	7.6	17	38	89	44	37	16
8	16	8.2	8	9	8.5	7.8	17	36	94	42	32	17
9	15	9.6	7.5	9	9	8.8	16	39	96	42	30	17
10	14	10	7.5	9	9	8.5	16	47	91	42	37	16
11	14	12	8	8.5	8.5	8.7	15	59	87	38	35	15
12	14	10	8	8.5	8.5	7.8	15	74	82	37	29	14
13	13	9.5	6.1	8.5	8.5	8.8	14	82	75	39	28	14
14	13	9.5	8.5	9	8.2	7.9	14	100	68	54	34	17
15	12	9.5	6.4	9	9	9.9	15	106	55	69	40	15
16	11	9	9	8.5	9	9.7	18	115	50	54	39	15
17	11	9	9	8.5	9	7.8	21	123	52	45	36	15
18	11	9	9	8	8.8	8	24	115	54	38	31	15
19	11	9	9	8	8.7	8.4	27	121	53	35	29	15
20	11	9	8.7	8	8.8	9.8	25	136	55	32	27	14
21	11	9	8.7	8	8.9	13	22	120	56	36	25	14
22	12	8.7	8.7	8	8.9	12	23	103	63	39	23	14
23	14	8.7	8.7	7.5	9.2	12	20	95	62	34	23	14
24	14	8.7	8.5	7.5	8.8	14	20	93	55	41	20	14
25	12	8.7	8.5	7.5	11	16	21	94	56	35	20	14
26	11	8.7	8.5	7.5	10	16	24	100	56	36	19	14
27	11	8.5	8.5	7.5	9	14	26	104	59	33	17	13
28	14	8.5	9	8	9.5	12	27	107	54	32	17	13
29	14	8.5	9.5	8	---	10	31	107	48	28	17	13
30	13	8.5	9.5	8	---	11	35	98	45	27	17	14
31	13	---	7.5	8	---	10	---	99	---	27	19	---
TOTAL	404	286.6	265.8	258.4	246.8	319.5	618	2573	2129	1256	856	465
MEAN	13	9.6	8.6	8.3	8.8	10.3	21	83	71	41	28	16
AC-FT	801	568	527	513	490	634	1230	5100	4220	2490	1700	922
MAX	19	12	10	9	11	16	35	136	104	69	40	22
MIN	11	8.2	6.1	7.5	8	7.3	13	36	45	27	17	13

CAL YR	2000	TOTAL	5729	MEAN	15.6	MAX	50	MIN	6.6	AC-FT	11360
WTR YR	2001	TOTAL	9678.1	MEAN	26.5	MAX	136	MIN	6.1	AC-FT	19200

MAX DISCH: 160 CFS AT 00:15 ON May. 20, 2001 GH 3.36 FT. SHIFT 0.16 FT.  
MAX GH: 3.36 FT. AT 00:15 ON May. 20, 2001

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



## ARKANSAS RIVER BASIN

07114000 CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA, CO

**LOCATION.**--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

**DRAINAGE AREA.**--56 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a 3½ ft. diameter corrugated shelter over a 4 ft. diameter well. Primary record is DCP with reference to outside staff gage.

**REMARKS.**--Record is complete and reliable except for the following periods: Nov 8-10, 12-21, 23-27, 29, Dec 1-6, 8, 10, 2000; and Feb 16-22, 24-26, 28; March 1-3, 11-19, 2001, when ice affected the stage-discharge relationship. Dec 10-31, 2000; and Jan 1-31, Feb 1-15, 2001, when ice in the well affected float movement and/or the well was frozen. Record considered good, except during periods of ice effect, which is poor. Station maintained and record developed by Anthony Gutierrez.

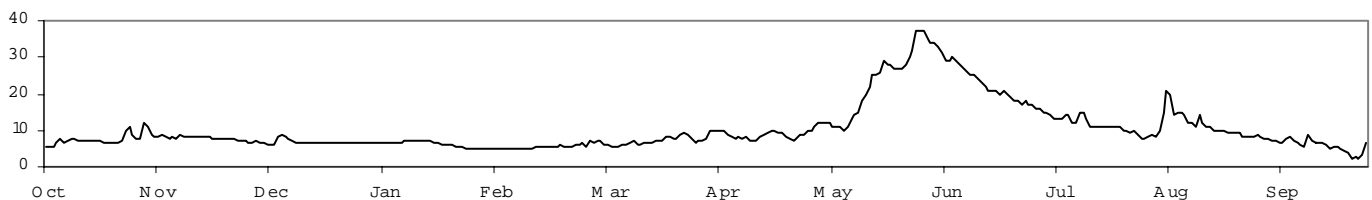
**RATING TABLE.**--CRBRLVCO14 USED FROM 01-OCT-2000 TO 03-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	8.3	6.2	6.5	4.7	6.8	7.9	11	35	16	8.2	8.3
2	5.4	8.5	6.2	6.5	4.7	6.9	9.8	12	34	16	8.6	7.7
3	5.3	8.3	6.2	6.5	4.7	7	10	12	34	15	8.2	7.7
4	6.8	7.9	8	6.4	4.7	5.8	10	12	33	15	10	7.2
5	7.9	8	9	6.4	4.8	5.8	9.9	12	31	14	15	7.2
6	6.8	7.8	8.2	6.5	5	5.5	10	11	29	13	21	6.6
7	7.1	8.6	7.9	6.7	5	5.4	8.6	11	29	13	20	6.6
8	7.8	8.4	7	7	5.1	5.6	8.3	11	30	13	14	7.6
9	7.7	8.4	6.6	7	5.2	5.9	7.7	10	29	14	15	8.1
10	7.3	8.2	6.8	7.2	5.2	6.1	8	11	28	14	15	7.1
11	7	8.2	6.8	7.2	5.2	6.6	7.6	13	27	12	14	6.4
12	7	8.2	6.8	7.3	5.2	7	8.3	14	26	12	12	5.9
13	7	8.2	6.8	7.3	5.4	6.2	7	15	25	15	12	5.3
14	6.9	8	6.7	7	5.3	6.2	6.9	18	25	15	11	8.6
15	6.9	8	6.7	7	5.3	6.6	7.2	20	24	13	14	7
16	7.1	7.9	6.7	6.8	5.3	6.6	8	22	23	11	12	6.6
17	6.6	7.9	6.6	6.5	5.3	6.6	8.9	25	22	11	11	6.4
18	6.7	7.8	6.6	6.2	5.4	7	9.5	25	21	11	11	6.5
19	6.6	7.6	6.6	6	5.4	7	9.8	26	21	11	10	6
20	6.4	7.5	6.6	6	5.8	6.9	10	29	21	11	10	5.2
21	6.5	7.4	6.6	5.8	5.7	8.3	9.1	28	20	11	9.8	5.4
22	7.3	7.8	6.6	5.5	5.6	8	9.3	28	21	11	9.7	5.4
23	10	7.3	6.5	5.5	5.4	7.4	8	27	20	11	9.5	5.1
24	11	7	6.5	5.7	5.9	7.5	7.4	27	19	11	9.1	4.6
25	8.7	6.9	6.5	5.2	6	8.7	7.3	27	18	10	9.2	4.1
26	7.8	6.8	6.5	5	6.4	9.5	7.9	28	18	9.8	9.1	2.4
27	7.7	6.8	6.5	5	5.4	8.5	8.8	30	17	9.4	8.4	2.9
28	12	7.1	6.5	4.9	7	7.8	8.8	32	18	9.8	8.3	2.3
29	11	6.5	6.5	4.7	---	6.8	9.7	37	17	8.8	8.4	3.3
30	8.9	6.6	6.5	4.7	---	7	10	37	17	7.9	8.4	6.6
31	8.3	---	6.5	4.7	---	6.9	---	37	---	7.8	8.9	---
TOTAL	235.2	231.9	210.7	190.7	150.1	213.9	259.7	658	732	372.5	350.8	180.1
MEAN	7.6	7.7	6.8	6.2	5.4	6.9	8.7	21	24	12	11.3	6
AC-FT	467	460	418	378	298	424	515	1310	1450	739	696	357
MAX	12	8.6	9	7.3	7	9.5	10	37	35	16	21	8.6
MIN	5.3	6.5	6.2	4.7	4.7	5.4	6.9	10	17	7.8	8.2	2.3
CAL YR 2000	TOTAL	6594.2	MEAN	18	MAX	105	MIN	4.9	AC-FT	13080		
WTR YR 2001	TOTAL	3785.6	MEAN	10.4	MAX	37	MIN	2.3	AC-FT	7510		

MAX DISCH: 40.2 CFS AT 00:30 ON May. 29, 2001 GH 1.05 FT. SHIFT 0.07 FT. DATUM 0.02 FT.  
MAX GH: 1.13 FT. AT 17:15 ON Aug. 5, 2001

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



ARKANSAS RIVER BASIN

OXFORD FARMERS DITCH NEAR NEPESTA, CO

**LOCATION.**-- Lat 38° 10' 34", Long 104° 8' 42", in the NE¼ NW¼ SW¼ Sec.32, T21S, R60W Pueblo County, Hydrologic Unit 11020005, approximately 0.33 mi upstream from Arkansas River at Nepesta Rd. Bridge river gage.

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

**GAGE.**--Float-activated graphic water-stage recorder and shaft encoder in wood frame shelter with well. Shaft encoder is connected to satellite-monitored data collection platform (Sutron 8004 DCP). Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Twelve-foot standard concrete Parshall flume is the control. Primary reference gage is outside staff gage installed in flume. SDI Radio Bridge (slave) and SDI shaft encoder installed June 27, 2001 and activated on July 9, 2001. Shaft encoder monitored by Sutron 8210 DCP and SDI Radio Bridge (master) installed at Arkansas River at Nepesta Road Bridge near Nepesta CO gaging station. Flume gage height data reported as part of river gage satellite transmissions and logged with river gage height data in DCP. DCP log file used for backup along with chart data after July 9, 2001.

**REMARKS.**--Record is complete and reliable. Record fair. The Arkansas River near Nepesta CO gaging station was moved from above the Oxford Farmers Ditch diversion to the Nepesta Road Bridge below the Oxford diversion beginning October 1, 2000. For consistency and comparison with previously published historical record in this reach of the Arkansas River, the Oxford Ditch mean daily discharge is combined with the mean daily discharge measured at Arkansas River at Nepesta Road Bridge near Nepesta CO gaging station. Record developed by Div. II personnel.

**RATING TABLE.**--STD12FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

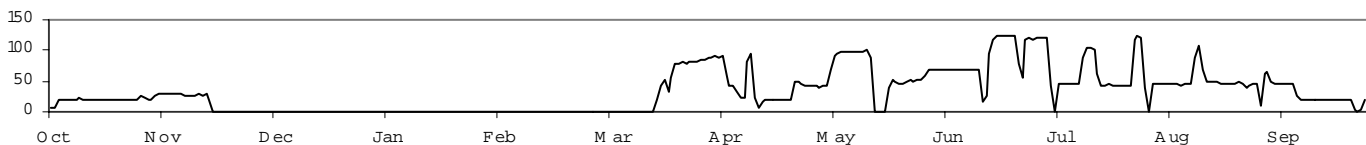
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	30	0	0	0	0	87	43	67	120	0	11
2	7.7	30	0	0	0	0	89	38	69	120	46	61
3	21	30	0	0	0	0	90	42	69	120	46	65
4	21	29	0	0	0	0	89	43	69	120	46	48
5	21	29	0	0	0	0	92	70	69	43	46	47
6	21	28	0	0	0	0	60	90	69	.26	46	46
7	21	27	0	0	0	0	43	95	69	47	46	46
8	20	27	0	0	0	0	44	99	69	45	46	46
9	24	27	0	0	0	0	31	99	69	46	45	46
10	21	27	0	0	0	0	22	99	68	46	44	46
11	19	28	0	0	0	0	22	99	69	46	45	25
12	20	27	0	0	0	0	82	98	69	45	46	19
13	20	28	0	0	0	0	95	97	69	46	46	18
14	20	19	0	0	0	0	22	98	69	88	88	19
15	20	0	0	0	0	0	5.2	100	69	105	106	19
16	20	0	0	0	0	0	17	87	16	104	67	20
17	19	0	0	0	0	0	18	0	25	100	49	19
18	19	0	0	0	0	18	18	0	96	62	50	20
19	20	0	0	0	0	41	18	0	118	44	49	19
20	21	0	0	0	0	52	19	0	123	44	49	19
21	21	0	0	0	0	31	19	40	123	45	47	18
22	21	0	0	0	0	57	19	52	124	44	46	18
23	21	0	0	0	0	79	19	48	123	44	47	19
24	21	0	0	0	0	77	18	46	123	42	47	19
25	21	0	0	0	0	81	50	45	124	41	47	19
26	27	0	0	0	0	78	49	48	79	43	48	19
27	24	0	0	0	0	81	46	51	55	41	47	4.2
28	19	0	0	0	0	82	44	50	119	116	39	0
29	20	0	0	0	---	83	44	51	120	123	43	3.8
30	27	0	0	0	---	84	43	51	119	122	45	18
31	30	---	0	0	---	84	---	59	---	38	46	---
TOTAL	633.6	386	0	0	0	928	1314.2	1838	2519	2090.26	1508	797
MEAN	20.4	12.9	0	0	0	29.9	43.8	59.3	84	67.4	48.6	26.6
AC-FT	1260	766	0	0	0	1840	2610	3650	5000	4150	2990	1580
MAX	30	30	0	0	0	84	95	100	124	123	106	65
MIN	5.9	0	0	0	0	0	5.2	0	16	.26	0	0

CAL YR 2000 TOTAL 16972.47 MEAN 46.6 MAX 133 MIN 0 AC-FT 33660  
WTR YR 2001 TOTAL 12014.06 MEAN 32.9 MAX 124 MIN 0 AC-FT 23830

MAX DISCH: 126 CFS AT 10:15 ON Jun. 22, 2001 GH 1.85 FT. SHIFT 0 FT.  
MAX GH: 1.85 FT. AT 10:15 ON Jun. 22, 2001

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





ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA, CO (RIVER ONLY)

**LOCATION.**-- Lat 38° 10' 44", Long 104° 8' 20", in the NE¼ SE¼ NW¼ Sec.32, T21S, R60W Pueblo County, Hydrologic Unit 11020005, on the left bank downstream side of the Nepesta Road Bridge crossing the Arkansas River, 0.8 mi downstream of Kramer Creek, 9 mi downstream from Huerfano River, 1 mile NNW of the Nepesta Cemetery.

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

**GAGE.**--Accububble with satellite telemetry referenced to wire weight gage on bridge. Elevation of gage is 4,355 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable, except for December 28-31, 2000 and January 1-2, 2001, when the DCP failsafe had tripped and turned off the data logger; and January 18-23, 2001, when ice affected the stage-discharge relationship. Record is considered fair. Station maintained and record developed by Div. II Staff.

**RATING TABLE.**--ARKNEPCO14 USED FROM 01-OCT-2000 TO 16-OCT-2001

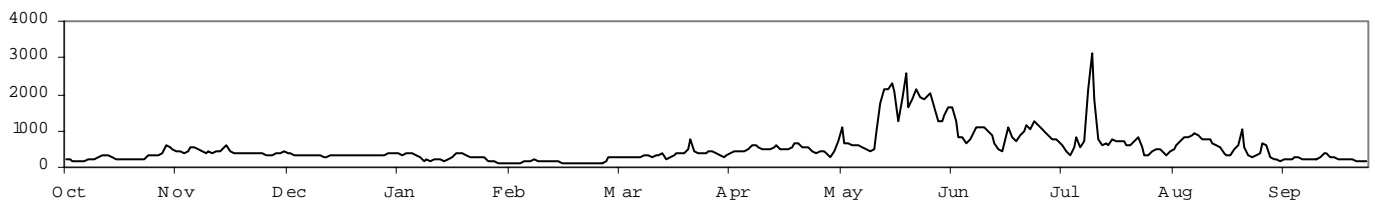
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	239	456	412	365	117	173	367	434	1670	1030	442	650
2	209	411	396	360	117	254	322	384	1280	972	484	610
3	178	363	369	352	106	273	300	301	1280	856	496	289
4	173	438	339	364	122	252	304	424	1440	752	428	235
5	175	535	347	372	127	255	408	725	1640	760	325	197
6	185	554	348	361	137	271	452	1100	1670	725	431	177
7	205	517	348	354	149	272	435	675	1240	599	473	192
8	225	419	338	292	146	270	442	650	795	458	616	233
9	234	386	343	191	193	267	457	619	831	317	724	235
10	271	411	327	196	138	270	492	584	659	522	815	266
11	316	403	316	187	155	253	629	616	751	841	828	248
12	303	420	279	212	156	315	578	540	992	550	900	244
13	304	452	289	215	161	319	559	491	1120	690	947	219
14	263	496	305	209	150	274	503	453	1110	2120	851	201
15	226	581	321	160	149	352	469	508	1120	3150	773	229
16	211	463	330	235	141	340	480	949	1010	1840	781	214
17	222	387	337	247	124	372	533	1750	884	742	757	280
18	203	359	335	370	118	202	610	2150	683	622	632	371
19	202	376	343	410	104	275	509	2120	504	649	628	369
20	216	372	344	370	109	349	467	2310	463	617	526	270
21	237	384	329	320	116	373	497	2100	853	764	383	247
22	236	395	340	290	120	361	533	1280	1110	732	329	206
23	233	399	308	280	116	360	662	1860	839	736	317	224
24	312	398	326	284	117	488	681	2560	721	689	506	202
25	338	371	345	270	102	789	570	1670	865	613	597	229
26	332	341	327	257	99	446	542	1870	979	580	1050	232
27	344	326	335	162	103	358	522	2120	1130	695	551	190
28	389	345	348	174	110	360	430	1900	1060	822	323	190
29	630	364	350	149	---	369	394	1890	1260	535	272	172
30	522	403	365	135	---	445	440	1930	1160	335	334	145
31	485	---	363	133	---	425	---	2050	---	317	407	---
TOTAL	8618	12525	10502	8276	3602	10382	14587	39013	31119	25630	17926	7766
MEAN	278	418	339	267	129	335	486	1258	1037	827	578	259
AC-FT	17090	24840	20830	16420	7140	20590	28930	77380	61720	50840	35560	15400
MAX	630	581	412	410	193	789	681	2560	1670	3150	1050	650
MIN	173	326	279	133	99	173	300	301	463	317	272	145

CAL YR	2000	TOTAL	246182	MEAN	673	MAX	0	MIN	0	AC-FT	488300
WTR YR	2001	TOTAL	189946	MEAN	520	MAX	3150	MIN	99	AC-FT	376800

MAX DISCH: 4750 CFS AT 11:30 ON Jul. 14, 2001 GH 14.07 FT. SHIFT -0.12 FT.  
MAX GH: 14.07 FT. AT 11:30 ON Jul. 14, 2001

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



## ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA, CO (COMBINED)

**LOCATION.**-- Lat 38° 10' 44", Long 104° 8' 20", in the NE¼ SE¼ NW¼ Sec.32, T21S, R60W Pueblo County, Hydrologic Unit 11020005, on the left bank downstream side of the Nepesta Road Bridge crossing the Arkansas River, 0.8 mi downstream of Kramer Creek, 9 mi downstream from Huerfano River, 1 mile NNW of the Nepesta Cemetery.

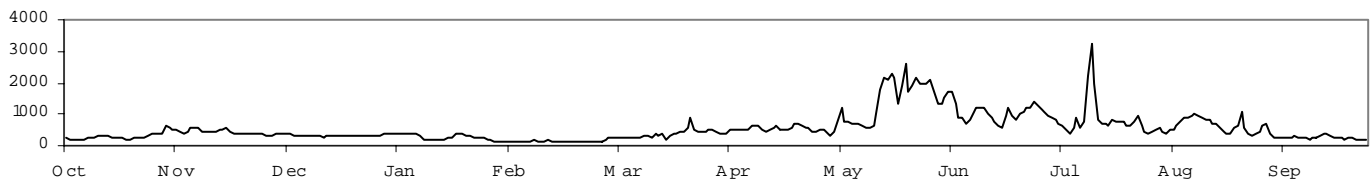
**DRAINAGE AREA.**--9,345 mi<sup>2</sup>.

**REMARKS.**--Combined record is fair, except during periods of estimated flow, which should be considered poor. The combined record of mean daily discharge was obtained by the addition of Oxford Farmers Ditch mean daily flows to the corresponding mean daily flows in the Arkansas River at Nepesta Road Bridge. The peak discharge for the year was 4870 cfs at 1130 on July 14, 2001. The Arkansas River near Nepesta CO gaging station was moved from above the Oxford Farmers Ditch diversion to the Nepesta Road bridge below the diversion beginning October 1, 2000. For consistency and comparison with previously published historical record in this reach of the Arkansas River, the total Arkansas River flow is computed by combining the Oxford Ditch mean daily discharge with the mean daily discharge measured at Arkansas River at Nepesta Road Bridge near Nepesta CO gaging station.

**RATING TABLE.**--ARKNECCO-COMBINEDDISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	486	412	365	117	173	454	477	1740	1150	442	661
2	217	441	396	360	117	254	411	422	1350	1090	530	671
3	199	393	369	352	106	273	390	343	1350	976	542	354
4	194	467	339	364	122	252	393	467	1510	872	474	283
5	196	564	347	372	127	255	500	795	1710	803	371	244
6	206	582	348	361	137	271	512	1190	1740	725	477	223
7	226	544	348	354	149	272	478	770	1310	646	519	238
8	245	446	338	292	146	270	486	749	864	503	662	279
9	258	413	343	191	193	267	488	718	900	363	769	281
10	292	438	327	196	138	270	514	683	727	568	859	312
11	335	431	316	187	155	253	651	715	820	887	873	273
12	323	447	279	212	156	315	660	638	1060	595	946	263
13	324	480	289	215	161	319	654	588	1190	736	993	237
14	283	515	305	209	150	274	525	551	1180	2210	939	220
15	246	581	321	160	149	352	474	608	1190	3260	879	248
16	231	463	330	235	141	340	497	1040	1030	1940	848	234
17	241	387	337	247	124	372	551	1750	909	842	806	299
18	222	359	335	370	118	220	628	2150	779	684	682	391
19	222	376	343	410	104	316	527	2120	622	693	677	388
20	237	372	344	370	109	401	486	2310	586	661	575	289
21	258	384	329	320	116	404	516	2140	976	809	430	265
22	257	395	340	290	120	418	552	1330	1230	776	375	224
23	254	399	308	280	116	439	681	1910	962	780	364	243
24	333	398	326	284	117	565	699	2610	844	731	553	221
25	359	371	345	270	102	870	620	1720	989	654	644	248
26	359	341	327	257	99	524	591	1920	1060	623	1100	251
27	368	326	335	162	103	439	568	2170	1190	736	598	194
28	408	345	348	174	110	442	474	1950	1180	938	362	190
29	650	364	350	149	---	452	438	1940	1380	658	315	176
30	549	403	365	135	---	529	483	1980	1280	457	379	163
31	515	---	363	133	---	509	---	2110	---	355	453	---
TOTAL	9252	12911	10502	8276	3602	11310	15901	40864	33658	27721	19436	8563
MEAN	298	430	339	267	129	365	530	1318	1122	894	627	285
AC-FT	18350	25610	20830	16420	7140	22430	31540	81050	66760	54980	38550	16980
MAX	650	582	412	410	193	870	699	2610	1740	3260	1100	671
MIN	194	326	279	133	99	173	390	343	586	355	315	163
CAL YR 2000	TOTAL	247206	MEAN	675	MAX	2340	MIN	111	AC-FT	490300		
WTR YR 2001	TOTAL	201996	MEAN	553	MAX	3260	MIN	99	AC-FT	400700		

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



ARKANSAS RIVER BASIN

07119700 ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--10,901 mi<sup>2</sup>. October 1964 to current year.

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

**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 6-7, 9-10, 14-15, 19, 21, 26, 27; Nov. 6-9, 2000; due to several hours each day of suspect gage height record caused by orifice line problem. Problem repaired on Nov 9, 2000. Nov 22-24, 2000 due to missing satellite data and no DCP log data. December 12-13, 2000; January 17, 19-23, 2001 due to ice affecting the stage-discharge relationship. Record fair, except for periods of estimated gage heights, which should be considered poor. A new rating, with high water extension, will be developed in WY2002 as part of a flood hardening project at this gage. Record developed and station maintained by Adam Adame.

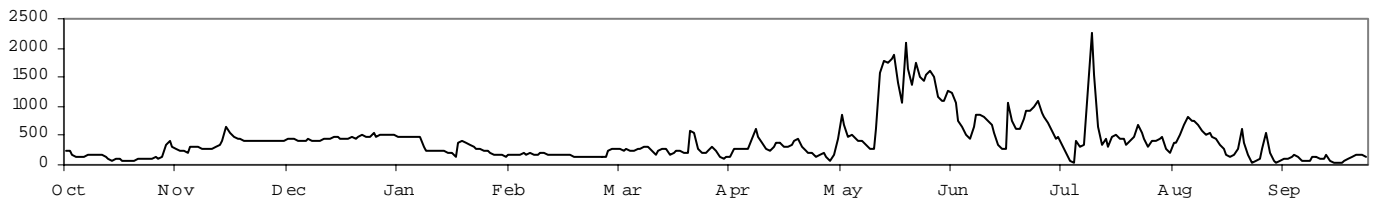
**RATING TABLE.**--ARKCATCO09 USED FROM 01-OCT-2000 TO 04-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	249	269	398	497	149	144	254	199	1490	889	424	276
2	234	254	432	493	164	232	150	151	1160	813	411	565
3	175	232	431	480	163	258	117	82	1080	720	438	198
4	132	219	429	482	162	266	126	167	1080	581	483	85
5	147	315	427	477	182	257	137	434	1260	460	268	39
6	140	310	424	474	190	254	270	858	1220	493	202	58
7	165	300	421	483	185	263	263	681	1060	350	392	89
8	179	290	430	474	200	251	267	486	737	220	369	112
9	180	285	427	296	172	239	275	517	639	59	512	138
10	180	282	419	249	161	263	291	443	516	40	676	161
11	185	282	407	248	193	262	445	428	454	414	827	146
12	127	297	450	248	205	292	602	425	638	303	741	85
13	89	354	445	244	186	318	463	334	850	350	746	68
14	85	411	439	232	182	226	381	288	852	1310	671	62
15	90	635	490	225	176	165	267	279	816	2260	591	128
16	91	555	466	189	163	223	239	607	770	1540	528	140
17	79	475	456	200	162	264	298	1590	681	652	531	117
18	80	449	462	147	161	265	392	1780	535	328	495	119
19	80	436	449	370	159	175	388	1750	352	431	429	162
20	77	426	486	420	148	213	317	1800	269	292	343	66
21	90	420	453	380	149	241	322	1880	287	483	270	44
22	110	410	465	340	149	247	354	1400	1070	519	173	45
23	114	405	509	310	144	198	417	1070	752	460	124	44
24	96	400	495	286	139	220	444	2090	601	437	156	62
25	115	417	487	259	137	569	323	1630	606	336	263	87
26	120	428	534	236	128	549	237	1380	804	400	614	146
27	115	427	478	224	123	259	219	1740	922	491	387	166
28	124	420	523	191	130	210	202	1500	915	671	186	185
29	335	425	517	186	---	206	153	1430	988	552	50	162
30	410	412	512	175	---	235	166	1530	1100	430	56	146
31	311	---	518	169	---	318	---	1620	---	294	94	---
TOTAL	4704	11240	14279	9684	4562	8082	8779	30569	24504	17578	12450	3901
MEAN	152	375	461	312	163	261	293	986	817	567	402	130
AC-FT	9330	22290	28320	19210	9050	16030	17410	60630	48600	34870	24690	7740
MAX	410	635	534	497	205	569	602	2090	1490	2260	827	565
MIN	77	219	398	147	123	144	117	82	269	40	50	39
CAL YR 2000	TOTAL	189967	MEAN	518	MAX	1630	MIN	40	AC-FT	376800		
WTR YR 2001	TOTAL	150332	MEAN	412	MAX	2260	MIN	39	AC-FT	298200		

MAX DISCH: 2830 CFS AT 15:30 ON Jul. 15, 2001 GH 5.27 FT. SHIFT -0.03 FT.  
MAX GH: 5.27 FT. AT 15:30 ON Jul. 15, 2001

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



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable. Record good. Records developed by Adam Adame.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

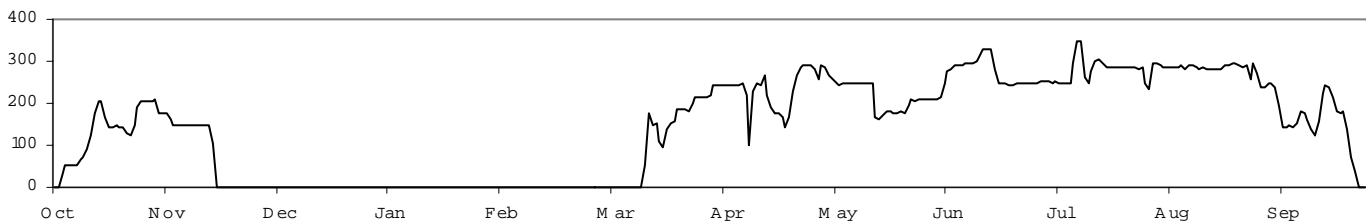
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	175	0	0	0	0	219	257	208	249	231	237
2	0	163	0	0	0	0	241	292	208	251	294	240
3	35	149	0	0	0	0	243	285	209	251	297	246
4	54	148	0	0	0	0	243	267	212	251	290	246
5	53	149	0	0	0	0	242	256	247	250	287	240
6	52	148	0	0	0	0	245	250	274	251	288	193
7	52	148	0	0	0	0	243	245	281	248	286	142
8	65	147	0	0	0	0	242	247	289	247	287	145
9	70	147	0	0	0	0	243	249	292	250	288	147
10	89	148	0	0	0	0	249	248	292	248	290	145
11	123	148	0	0	0	0	217	250	295	297	281	151
12	178	149	0	0	0	0	99	249	294	347	289	183
13	204	148	0	0	0	0	230	247	294	347	291	177
14	203	104	0	0	0	54	247	247	300	262	286	162
15	165	0	0	0	0	174	245	249	321	246	283	136
16	145	0	0	0	0	150	266	247	329	277	284	125
17	145	0	0	0	0	151	220	168	329	299	280	156
18	149	0	0	0	0	111	191	161	328	305	280	226
19	144	0	0	0	0	95	178	173	280	293	279	241
20	141	0	0	0	0	136	176	183	247	288	280	239
21	130	0	0	0	0	154	165	179	247	288	282	215
22	125	0	0	0	0	159	144	176	246	287	289	183
23	148	0	0	0	0	187	167	178	243	288	291	178
24	189	0	0	0	0	187	230	179	245	286	295	179
25	203	0	0	0	0	186	266	177	248	285	294	136
26	205	0	0	0	0	183	284	195	249	288	292	71
27	204	0	0	0	0	199	292	209	250	286	285	36
28	205	0	0	0	0	213	290	204	249	287	290	0
29	208	0	0	0	---	213	290	208	250	283	258	0
30	178	0	0	0	---	213	279	209	249	284	294	0
31	175	---	0	0	---	214	---	209	---	249	273	---
TOTAL	4037	2071	0	0	0	2979	6886	6893	8005	8568	8814	4775
MEAN	130	69	0	0	0	96.1	230	222	267	276	284	159
AC-FT	8010	4110	0	0	0	5910	13660	13670	15880	16990	17480	9470
MAX	208	175	0	0	0	214	292	292	329	347	297	246
MIN	0	0	0	0	0	0	99	161	208	246	231	0

CAL YR	2000	TOTAL	56393	MEAN	154	MAX	337	MIN	0	AC-FT	111900
WTR YR	2001	TOTAL	53028	MEAN	145	MAX	347	MIN	0	AC-FT	105200

MAX DISCH: 378 CFS AT 14:00 ON Jul. 11, 2001 GH 3.23 FT. SHIFT 0 FT.  
MAX GH: 3.23 FT. AT 14:00 ON Jul. 11, 2001

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



ARKANSAS RIVER BASIN

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

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

DRAINAGE AREA.--10,901 mi<sup>2</sup>.

REMARKS.--Combined record is fair, except during periods of estimated flow, which should be considered poor. The peak discharge for the year was 3080 cfs on July 15, 2001. Record is a compilation of Catlin Dam and Catlin Canal records developed by Div. II Personnel.

ARKANSAS RIVER BELOW CATLIN DAM NEAR FOWLER, CO and CATLIN CANAL (COMBINED)

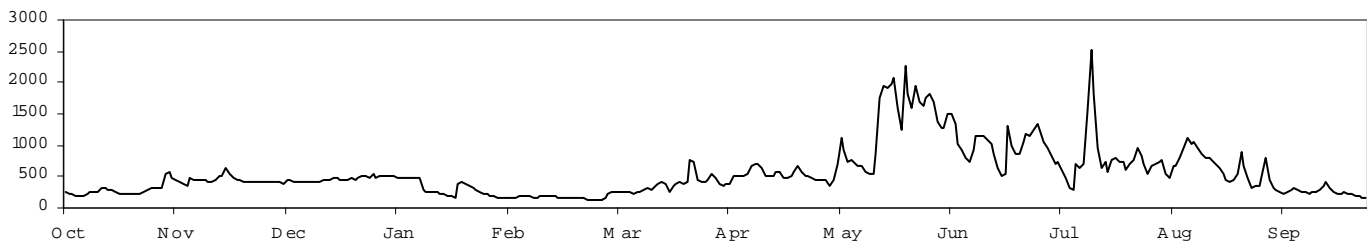
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	249	444	398	497	149	144	473	456	1700	1140	655	513
2	234	417	432	493	164	232	391	443	1370	1060	705	805
3	210	381	431	480	163	258	360	367	1290	971	735	444
4	186	367	429	482	162	266	369	434	1290	832	773	331
5	200	464	427	477	182	257	379	690	1510	710	555	279
6	192	458	424	474	190	254	515	1110	1490	744	490	251
7	217	448	421	483	185	263	506	926	1340	598	678	231
8	244	437	430	474	200	251	509	733	1030	467	656	257
9	250	432	427	296	172	239	518	766	931	309	800	285
10	269	430	419	249	161	263	540	691	808	288	966	306
11	308	430	407	248	193	262	662	678	749	711	1110	297
12	305	446	450	248	205	292	701	674	932	650	1030	268
13	293	502	445	244	186	318	693	581	1140	697	1040	245
14	288	515	439	232	182	280	628	535	1150	1570	957	224
15	255	635	490	225	176	339	512	528	1140	2510	874	264
16	236	555	466	189	163	373	505	854	1100	1820	812	265
17	224	475	456	200	162	415	518	1760	1010	951	811	273
18	229	449	462	147	161	376	583	1940	863	633	775	345
19	224	436	449	370	159	270	566	1920	632	724	708	403
20	218	426	486	420	148	349	493	1980	516	580	623	305
21	220	420	453	380	149	395	487	2060	534	771	552	259
22	235	410	465	340	149	406	498	1580	1320	806	462	228
23	262	405	509	310	144	385	584	1250	995	748	415	222
24	285	400	495	286	139	407	674	2270	846	723	451	241
25	318	417	487	259	137	755	589	1810	854	621	557	223
26	325	428	534	236	128	732	521	1580	1050	688	906	217
27	319	427	478	224	123	458	511	1950	1170	777	672	202
28	329	420	523	191	130	423	492	1700	1160	958	476	185
29	543	425	517	186	---	419	443	1640	1240	835	308	162
30	588	412	512	175	---	448	445	1740	1350	714	350	146
31	486	---	518	169	---	532	---	1830	---	543	367	---
TOTAL	8741	13311	14279	9684	4562	11061	15665	37476	32510	26149	21269	8676
MEAN	282	444	461	312	163	357	522	1209	1084	844	686	289
AC-FT	17340	26400	28320	19210	9050	21940	31070	74330	64480	51870	42190	17210
MAX	588	635	534	497	205	755	701	2270	1700	2510	1110	805
MIN	186	367	398	147	123	144	360	367	516	288	308	146

CAL YR 2000 TOTAL 246352 MEAN 672 MAX 1930 MIN 140 AC-FT 489000  
WTR YR 2001 TOTAL 203383 MEAN 557 MAX 2510 MIN 123 AC-FT 403410

MAX DISCH: 3080 CFS AT 1430 ON July 15, 2001

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



## ARKANSAS RIVER BASIN

07120500 ARKANSAS RIVER near ROCKY FORD, CO

**LOCATION.**-- Lat 38°03'52", Long 103°41'24" in SE ¼, NW ¼, Sec. 9, T23S, R56W, Hydrologic Unit 11020005, Otero County, on right bank of Arkansas River, approximately 250 feet upstream from State Highway 266, and approximately 1.6 miles NE of Rocky Ford, Colorado.

**DRAINAGE AREA AND PERIOD OF RECORD.**-- Undetermined. Gage established October 8, 1992.

**GAGE.**--Graphic water stage recorder, gas-purge manometer, satellite-monitored data collection platform (DCP) and shaft encoder in a 4' x 4' steel shelter. Shaft encoder and chart recorder activated by manometer. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Primary reference gage is outside staff gage on right side of channel. Elevation of gage datum is 4130.46 ft MSL.

**REMARKS.**--Record is complete and reliable for the entire water year, except for the following period(s): May 24, 25, June 4 - 11, 2001 manometer malfunction. Record fair. Record developed and station maintained by Adam Adame.

**RATING TABLE.**--ARKROCCO01 USED FROM 01-OCT-2000 TO 04-OCT-2001

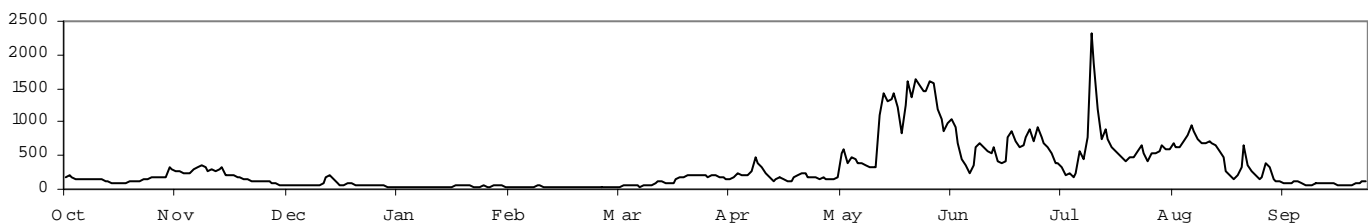
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	264	61	30	44	40	222	165	1590	765	531	178
2	195	257	61	30	42	40	192	159	1180	690	535	389
3	172	235	61	30	41	42	168	135	1030	637	574	316
4	138	224	61	30	38	44	152	135	860	521	665	138
5	138	236	61	30	38	43	141	185	970	387	594	121
6	140	291	61	30	38	47	177	538	1050	376	593	121
7	146	318	61	30	38	47	242	581	920	328	672	102
8	144	344	61	30	38	50	221	373	690	212	639	100
9	138	314	61	28	42	46	199	479	460	251	622	104
10	138	254	61	28	47	47	209	438	350	185	711	109
11	138	288	59	28	50	44	277	385	240	227	790	109
12	124	266	85	28	43	53	473	396	356	572	951	93
13	109	285	191	28	43	62	381	347	625	449	866	69
14	104	313	216	28	43	64	325	337	677	769	746	62
15	99	196	145	37	43	85	237	315	637	2330	670	62
16	89	195	77	33	43	119	179	329	569	1870	674	82
17	85	196	61	43	43	110	118	1090	550	1190	715	84
18	101	187	50	48	42	89	136	1420	636	736	696	81
19	108	175	77	53	41	90	165	1310	430	898	655	82
20	108	162	104	57	40	98	149	1350	393	736	580	93
21	117	144	74	52	40	146	132	1420	428	623	487	78
22	125	129	61	50	40	167	131	1230	775	551	259	67
23	134	129	56	41	40	188	173	844	870	492	200	64
24	156	129	55	37	40	195	219	1250	721	461	157	69
25	173	129	51	42	40	209	234	1600	637	420	199	69
26	167	129	47	49	40	208	234	1370	640	463	330	65
27	166	115	59	41	40	207	164	1640	786	484	649	76
28	165	84	61	41	40	217	171	1560	892	559	343	101
29	182	76	51	46	---	198	186	1450	714	665	260	110
30	325	71	41	51	---	188	155	1470	912	525	201	125
31	290	---	35	50	---	204	---	1620	---	404	163	---
TOTAL	4594	6135	2266	1179	1157	3387	6162	25921	21588	19776	16727	3319
MEAN	148	205	73	38	41	109	205	836	720	638	540	111
AC-FT	9110	12170	4490	2340	2290	6720	12220	51410	42820	39230	33180	6580
MAX	325	344	216	57	50	217	473	1640	1590	2330	951	389
MIN	85	71	35	28	38	40	118	135	240	185	157	62

CAL YR	2000	TOTAL	146670	MEAN	401	MAX	1620	MIN	35	AC-FT	290900
WTR YR	2001	TOTAL	112211	MEAN	307	MAX	2330	MIN	28	AC-FT	222600

MAX DISCH: 2800 CFS AT 20:15 ON Jul. 15, 2001 GH 4.4 FT. SHIFT 0.44 FT.  
MAX GH: 4.4 FT. AT 20:15 ON Jul. 15, 2001

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



ARKANSAS RIVER BASIN

07122400 CROOKED ARROYO NEAR SWINK, CO

**LOCATION.**--Lat 37°58'56", long 103°35'52", in SW¼SW¼ sec. 5, T.24 S., R.55 W., Otero County, on right bank 54 ft. downstream from bridge on State Highway 10, 2.0 mi. upstream from mouth, and 2.8 mi. southeast of Swink.

**DRAINAGE AREA.**--108 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Elevation of gage is 4,100 ft. above sea level.

**REMARKS.**--Record is complete and reliable. Satellite data were missing for several periods during the water year due to DCP and shaft encoder malfunction. Chart data were complete and reliable and used during these periods to fill in missing satellite data. Record fair. Station maintained and record developed by Adam Adame.

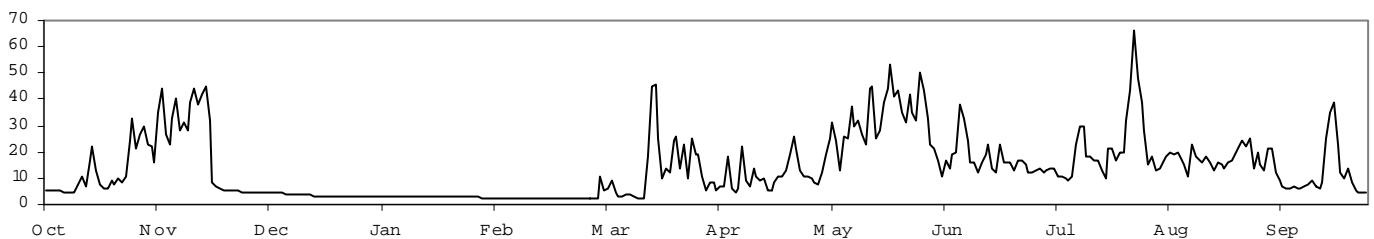
**RATING TABLE.**--CANSWKCO6 USED FROM 01-OCT-2000 TO 10-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	35	4.5	3.2	2.4	2	5.6	8.3	33	13	15	15
2	5.2	44	4.4	3.2	2.5	2.1	8.2	7.6	23	14	18	13
3	5.2	27	4.3	3.2	2.5	11	8.2	12	21	12	13	21
4	5.2	23	4.3	3.2	2.5	5.2	5.7	19	17	13	14	21
5	5.2	33	4.2	3.2	2.5	6.2	6.5	25	11	14	17	12
6	4.5	40	4.1	3.2	2.5	9.1	6.5	31	17	14	18	9.3
7	4.7	28	4.1	3.2	2.5	4.2	18	24	14	11	20	7.2
8	4.8	31	4.1	3.2	2.5	3.2	5.8	13	19	11	19	6.1
9	4.9	28	4.1	3.2	2.5	3.4	4.7	26	20	9.9	20	6.4
10	7.6	39	4.1	3.2	2.4	4.1	6.3	25	38	9.2	17	6.5
11	11	44	3.8	3.2	2.1	3.6	22	37	33	11	15	6.1
12	6.6	38	3.7	3.2	2	2.8	8.8	30	24	23	11	6
13	17	42	3.5	3.2	2	2.4	7.1	32	16	30	23	6.9
14	22	45	3.4	3.2	2	2.4	14	27	16	30	18	7.8
15	13	32	3.4	3.1	2	2.4	11	23	12	18	17	9.2
16	7.5	8	3.4	3	2	18	9.5	44	16	18	16	6.9
17	6.3	6.9	3.3	3	2	45	9.7	45	19	17	18	6
18	5.9	6.3	3.2	3	2	46	5.7	25	23	17	16	8.7
19	9.2	5.7	3.2	3	2	25	5.6	28	14	13	13	25
20	7.9	5.6	3.2	3	2	9.6	8.5	39	12	10	16	35
21	9.8	5.2	3.2	3	2	14	11	44	23	21	15	39
22	8.3	5.2	3.2	3	2	12	11	53	16	21	14	23
23	11	5	3.2	3	2	24	13	41	16	17	16	12
24	24	4.9	3.2	2.9	2	26	19	43	16	20	17	9.6
25	33	4.7	3.2	2.8	2	14	26	35	13	20	20	14
26	21	4.7	3.2	2.8	2	23	21	31	17	32	23	8.7
27	27	4.7	3.2	2.8	2	10	13	42	17	43	24	5.5
28	30	4.7	3.2	3	2	25	11	35	15	66	22	4.5
29	23	4.6	3.2	2.6	---	19	11	32	12	48	25	4.5
30	22	4.5	3.2	2.5	---	19	10	50	12	39	14	4.3
31	16	---	3.2	2.4	---	11	---	43	---	28	20	---
TOTAL	384.5	609.7	111.5	93.7	60.9	404.7	323.4	969.9	555	663.1	544	360.2
MEAN	12.4	20.3	3.6	3	2.2	13.1	10.8	31.3	19	21.4	18	12
AC-FT	763	1210	221	186	121	803	641	1920	1100	1320	1080	714
MAX	33	45	4.5	3.2	2.5	46	26	53	38	66	25	39
MIN	4.5	4.5	3.2	2.4	2	2	4.7	7.6	11	9.2	11	4.3
CAL YR 2000	TOTAL	5319.1	MEAN	14.5	MAX	65	MIN	1.3	AC-FT	10550		
WTR YR 2001	TOTAL	5080.6	MEAN	13.9	MAX	66	MIN	2	AC-FT	10080		

MAX DISCH: 170 CFS AT 00:15 ON Jul. 28, 2001 GH 3.81 FT. SHIFT 0.08 FT.  
MAX GH: 3.84 FT. AT 22:45 ON May. 16, 2001

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



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 AND PERIOD OF RECORD.**--12,210 mi<sup>2</sup>. Staff gage originally established by USGS in 1889, with sporadic data and various locations. Water stage recorder in use since Oct. 1933 at several locations also. Gage site in continuous use since then.

**GAGE.**--Satellite-monitored data collection platform (Sutron 8210 DCP), and Accububble in 4' x 4' steel shelter. Primary record is satellite-monitored data with the DCP log file used for backup purposes. Wire-weight gage on bridge serves as primary reference gage. 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. Record fair. Station maintained and record developed by Adam Adame.

**RATING TABLE.**--ARKLAJCO40 USED FROM 01-OCT-2000 TO 04-OCT-2001

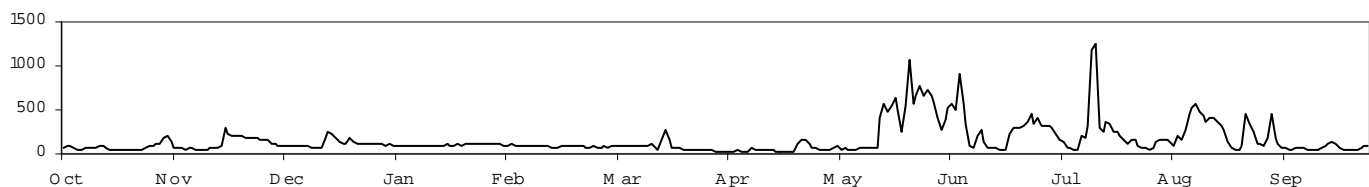
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	73	92	96	96	82	32	46	602	326	74	81
2	99	73	90	95	96	78	30	35	415	321	131	190
3	87	62	90	92	103	88	27	39	270	325	159	452
4	62	54	97	97	93	92	25	66	383	292	159	180
5	41	59	94	97	92	93	28	93	515	218	159	107
6	46	61	87	97	93	93	31	50	559	149	111	75
7	57	54	87	96	96	95	39	64	498	137	97	71
8	61	51	82	95	98	93	28	40	910	71	197	55
9	67	50	77	91	87	84	25	44	571	58	149	51
10	78	56	70	95	90	87	27	46	335	40	280	61
11	87	63	57	90	101	89	77	60	96	38	461	67
12	84	67	62	91	93	83	37	62	65	199	526	69
13	71	71	181	101	83	95	40	66	212	183	564	46
14	47	102	255	100	78	103	46	64	267	317	481	44
15	42	295	222	100	79	67	47	57	129	1190	434	45
16	37	233	185	106	77	42	41	75	60	1250	363	50
17	36	212	126	95	83	170	35	403	59	301	415	70
18	43	206	111	87	83	278	28	563	79	246	419	83
19	45	204	103	108	84	150	24	475	48	354	369	114
20	40	212	181	94	83	66	25	546	38	346	321	143
21	41	181	135	125	81	69	27	626	55	260	276	107
22	37	176	121	107	84	57	27	498	231	258	142	76
23	41	184	117	119	81	52	31	255	297	199	60	54
24	71	178	112	108	79	50	108	537	298	161	45	49
25	99	167	116	108	79	39	159	1070	290	125	45	53
26	100	161	117	109	80	49	156	573	316	155	87	52
27	116	163	106	114	78	37	103	664	373	158	450	47
28	121	120	117	112	78	45	69	766	445	86	347	67
29	179	103	114	116	---	44	58	663	349	66	257	86
30	211	98	101	105	---	45	44	735	400	59	117	80
31	135	---	103	105	---	38	---	665	---	50	113	---
TOTAL	2358	3789	3608	3151	2428	2553	1474	9946	9165	7938	7808	2725
MEAN	76	126	116	102	87	82	49	321	306	256	252	91
AC-FT	4680	7520	7160	6250	4820	5060	2920	19730	18180	15750	15490	5410
MAX	211	295	255	125	103	278	159	1070	910	1250	564	452
MIN	36	50	57	87	77	37	24	35	38	38	45	44

CAL YR	2000	TOTAL	33527	MEAN	92.5	MAX	937	MIN	26	AC-FT	66500
WTR YR	2001	TOTAL	56943	MEAN	156	MAX	1250	MIN	24	AC-FT	112900

MAX DISCH: 2260 CFS AT 01:45 ON Jul. 16, 2001 GH 9.16 FT. SHIFT -0.32 FT.  
MAX GH: 9.16 FT. AT 01:45 ON Jul. 16, 2001

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





ARKANSAS RIVER BASIN

07123675 HORSE CREEK at HIGHWAY 194 nr LAS ANIMAS, CO

**LOCATION.**--Lat 38°05'06", long 103°21'12", in SE1/4,SW1/4, sec. 33, T.22S., R.53 W., Bent County, Hydrological Unit 11020008, on right bank 15 ft upstream from right end of box culverts on State Highway 194, 3.2 mi upstream from mouth, 3.4 mi downstream from Ft. Lyon Canal Aqueduct, and 7.5 mi west of Las Animas, Co.

**DRAINAGE AREA AND PERIOD OF RECORD.**--Drainage undetermined. Established and operated Oct. 19, 1979 to Sep. 30, 1993 by USGS. Operated and maintained by State of Colorado, Oct. 01, 1993 to present.

**GAGE.**--Graphic water stage recorder, gas purge manometer, satellite monitored data collection platform and shaft encoder in a 4'x4' steel shelter. Primary record is satellite monitored data with chart backup. Primary reference gage is outside staff gage on left side of channel 150 ft upstream from gage shelter. New outside staff gage installed October 30, 2000 approximately 30 ft upstream of gage shelter. Gas-purge manometer and chart recorder replaced with Sutron Accububble May 2, 2001.

**REMARKS.**--Record is complete and reliable for the entire water year, except for the following period(s): January 9, 15, 17-20, 22; Feb 1-2, 9-10, 2001, when ice affected the stage-discharge relationship. Dec 13-14, 2000, when the manometer malfunctioned. May 30-31, Jun 1, 23-24, 2001, when the DCP malfunctioned and there were no satellite data or DCP log data. Record fair, except during periods of ice effect and equipment malfunction which are poor. Station maintained and record developed by Adam Adame.

**RATING TABLE.**--HRC194CO04 USED FROM 01-OCT-2000 TO 10-OCT-2001

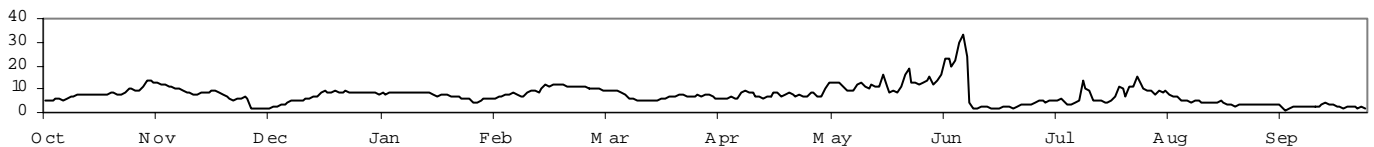
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	13	2	8	5.6	9.8	7.8	8.2	14	4	9.2	3.5
2	5.4	12	2.1	8.3	6	9.8	7.9	7.1	15	5	9	3.3
3	5.4	12	2.2	8	6.6	9.9	6.8	7.2	12	5.3	7.9	3.3
4	5.8	11	2.5	8.3	7	9.6	6.2	10	14	4.3	9.1	3.4
5	6	11	3.2	8.6	7.4	9.4	6.2	13	16	4.8	8.7	3.3
6	5.5	10	3.6	8.7	7.6	9.3	6.2	13	23	5.3	9	3.1
7	5.9	9.8	4	8.9	8.5	9.1	6.3	13	23	5.1	7.7	2.2
8	6.5	9.3	4.8	8.3	8	9	6.5	13	20	5.6	6.6	.81
9	6.9	8.8	5.2	8.3	7.1	8.8	6.2	11	22	4.6	7.1	2.1
10	7.3	8.6	5.4	8.6	7.2	7.4	5.9	9.4	30	3.3	5.1	2.6
11	7.5	7.7	5.3	8.6	8.7	6.1	8.2	9.1	33	3	5.1	2.4
12	7.7	7.7	5.7	8.4	9.1	5.6	9.5	9.1	24	3.9	4.7	2.2
13	7.7	8.1	6	8.9	9.3	5.5	8.6	12	4.6	4.7	4.2	2.2
14	7.7	8.5	6.4	8.1	8.4	5.4	8.5	13	1.9	14	5.5	2.7
15	7.7	8.5	6.8	8.3	10	5.1	6.7	11	2.1	10	5.2	2.7
16	7.7	9.2	8.3	8	12	5.2	6.4	10	2.5	9	4	2.9
17	7.9	9.3	9.1	7.2	11	5.4	6.3	12	2.6	4.9	4.5	2.5
18	8	8.2	8.9	7.7	12	5.3	6.6	11	2.8	5.3	4	3.2
19	8.1	7.6	8.4	7.7	12	5.5	7	11	1.7	4.9	4	4.3
20	8.2	7	9.1	7.5	12	5.8	8.1	16	2	4.4	3.9	3.6
21	8	6.3	8.2	7	12	5.8	8.6	11	2.1	4.5	5	3
22	8	5.4	8.6	6.8	11	6.8	7.1	8.7	2.8	5	4.6	2.9
23	8.9	5.6	9.1	6.7	11	7	7.6	9.6	2.5	6.9	3.8	2.4
24	9.9	5.9	8.7	6.3	11	6.9	8.1	8.1	2.5	11	3.5	2
25	10	6.5	8.2	6.2	11	7.4	7.3	11	2.1	9.8	2.9	2.2
26	9.6	6.2	8.2	5.7	11	7.5	7.2	16	2.6	6.5	3.8	2.3
27	9.6	1.9	8.3	4.3	11	6.9	7.5	19	3	11	3.8	2.2
28	11	1.6	8.5	4.3	10	6.9	7.2	13	3	11	3.7	2
29	14	1.6	8.6	5.4	---	6.6	6.8	13	3	15	3.6	2.3
30	14	1.8	8.1	5.9	---	7.3	8.2	12	3.4	12	3.3	1.7
31	13	---	8.4	5.9	---	7.2	---	13	---	9.8	3.6	---
TOTAL	254.3	230.1	201.9	228.9	263.5	223.3	217.5	353.5	293.2	213.9	166.1	79.31
MEAN	8.2	7.7	6.5	7.4	9.4	7.2	7.3	11.4	9.8	6.9	5.4	2.64
AC-FT	504	456	400	454	523	443	431	701	582	424	329	157
MAX	14	13	9.1	8.9	12	9.9	9.5	19	33	15	9.2	4.3
MIN	5.4	1.6	2	4.3	5.6	5.1	5.9	7.1	1.7	3	2.9	.81

CAL YR 2000 TOTAL 6400.2 MEAN 17.5 MAX 197 MIN 1.6 AC-FT 12690  
WTR YR 2001 TOTAL 2725.51 MEAN 7.47 MAX 33 MIN .81 AC-FT 5410

MAX DISCH: 58 CFS AT 10:00 ON Jun. 11, 2001 GH 2.38 FT. SHIFT 0.46 FT.  
MAX GH: 2.38 FT. AT 10:00 ON Jun 11, 2001

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



## ARKANSAS RIVER BASIN

07124500 PURGATOIRE RIVER AT TRINIDAD, CO

**LOCATION.**--Lat 37°10'15", long 104°30'31", in NW¼SE¼ sec. 13, T.33 S., R.64 W., Las Animas County, in city of Trinidad, on left bank.

**DRAINAGE AREA.**--795 mi<sup>2</sup>.

**GAGE.**--Graphic water stage recorder with satellite monitoring with DCP in a 36 inch pipe and well shelter.

**REMARKS.**--Record is complete and reliable except for the following periods. December 2-8, 17-19, 21-25, 29 - 31, 2000; January 1 - 3, 8-12, 15, 21-26, 31; February 1 - 3, 2001, when the stage-discharge relationship was affected by ice. Record considered good, except for estimated (ice) days, which are poor. The gage is scheduled to be moved downstream approximately 800 feet and a new rating developed during water year 2002. Station maintained and record developed Anthony Gutierrez.

**RATING TABLE.**--PURTRICO24 USED FROM 01-OCT-2000 TO 09-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

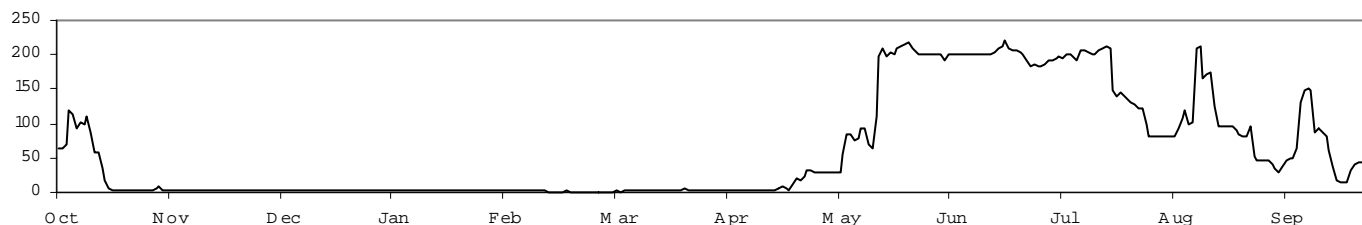
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	2.4	2.3	1.8	1.6	1.4	2.4	30	200	182	82	47
2	65	2.4	2.2	1.9	1.8	1.3	2.5	30	201	186	80	47
3	69	2.4	2.2	1.9	1.6	1.2	2.4	30	200	192	82	42
4	119	2.7	2.1	2	1.5	1.3	2.3	30	193	191	80	36
5	113	2.7	2.1	2.1	1.6	1.7	2.2	30	200	194	80	28
6	93	2.7	2.1	1.9	1.5	1.4	2.3	30	200	198	80	37
7	102	2.9	2.1	1.7	1.6	1.5	2.2	54	200	196	80	47
8	98	2.8	2.1	1.6	1.6	1.8	2.2	83	200	200	94	50
9	111	2.4	2.2	1.5	1.5	1.5	2.2	85	201	200	109	48
10	88	2.4	2.3	1.6	1.7	1.8	2.3	77	201	194	119	64
11	58	2.4	2.1	1.6	1.6	2.5	2.4	79	202	191	100	130
12	58	2.2	2.4	1.6	1.7	2.3	2.5	92	202	205	101	149
13	36	2.2	2.4	1.7	1.5	2.1	2.6	94	201	206	208	150
14	16	2.2	2.4	1.6	1.4	2.1	2.6	71	200	204	211	148
15	4.8	2.3	2.3	1.7	1.4	2.1	2.7	63	200	202	165	86
16	3.6	2.3	2.1	1.8	1.3	2	2.7	110	200	200	171	94
17	3.6	2.3	2	1.9	1.4	2	3.8	197	200	205	174	86
18	3.7	2.4	1.9	2	1.4	2.1	4	209	204	208	125	80
19	3.6	2.2	2	1.9	1.6	2.1	7.1	197	208	212	97	61
20	3.6	2.3	2.1	1.9	1.4	2.2	9.2	204	212	210	97	39
21	3	2.5	2.1	1.6	1.4	2.1	6.2	200	222	148	95	18
22	3.1	2.3	2.1	1.8	1.3	3.1	2.8	208	209	139	97	14
23	3.2	2	1.9	1.7	1.3	4	13	211	206	144	95	14
24	2.8	1.9	1.9	1.7	1.4	4.5	21	216	206	139	91	15
25	2.7	1.9	1.8	1.6	1.4	3.2	16	217	203	135	84	32
26	2.8	1.9	2.1	1.6	1.4	3.9	23	208	202	131	80	41
27	2.8	2	2.2	1.6	1.4	3.6	32	206	191	128	80	43
28	6.6	2.3	1.9	1.7	1.4	2.7	32	202	184	122	95	43
29	7.8	2.4	1.8	1.8	---	2.6	30	200	187	122	53	41
30	2.5	2.3	1.8	1.7	---	2.7	30	202	184	98	47	41
31	2.3	---	1.8	1.6	---	2.5	---	200	---	81	47	---
TOTAL	1152.5	70.1	64.8	54.1	41.7	71.3	268.6	4065	6019	5363	3199	1771
MEAN	37.2	2.3	2.1	1.8	1.5	2.3	8.9	131	201	173	103	59
AC-FT	2290	139	129	107	83	141	533	8060	11940	10640	6350	3510
MAX	119	2.9	2.4	2.1	1.8	4.5	32	217	222	212	211	150
MIN	2.3	1.9	1.8	1.5	1.3	1.2	2.2	30	184	81	47	14

CAL YR	2000	TOTAL	32692	MEAN	89.4	MAX	305	MIN	1.8	AC-FT	64690
WTR YR	2001	TOTAL	22140.1	MEAN	60.7	MAX	222	MIN	1.2	AC-FT	43910

MAX DISCH: 517 CFS AT 14:30 ON Jul. 12, 2001 GH 3.44 FT. SHIFT 0.09 FT.

MAX GH: 3.44 FT. AT 14:30 ON Jul. 12, 2001

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



ARKANSAS RIVER BASIN

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

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

**DRAINAGE AREA.**--2,752 mi<sup>2</sup>.

**GAGE.**-- Accubar with satellite telemetry in 4'x 4' steel shelter.

**REMARKS.**--Record complete and reliable except for the following periods: October 13, December 25, 2000; January 17, April 11, 13-17, June 23, 28, July 6-10, 25-27 and 29-31, 2001 due to DCP malfunction and loss of data logger memory. Record fair, except during periods of estimated flow, flows over 500 cfs, and flows less than 5 cfs, all of which should be considered poor. Station maintained and record developed by Adam Adame.

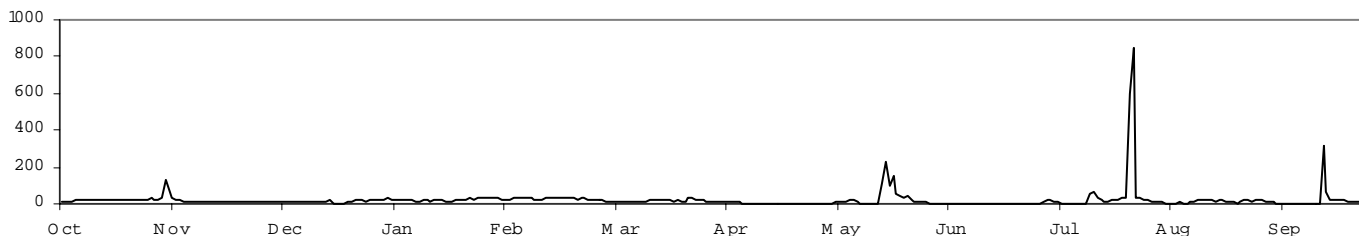
**RATING TABLE.**--PURNINCO17 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	38	9.6	24	27	21	13	0	0	0	15	19
2	12	24	9.5	23	25	16	12	0	0	13	14	14
3	14	17	9.8	18	27	16	12	0	0	17	13	12
4	15	15	9.6	19	30	16	11	5.3	0	20	12	10
5	17	14	9.4	20	29	16	11	10	0	16	5.2	5.3
6	17	14	10	19	30	14	9.8	11	0	10	0	0
7	18	12	9.7	18	31	12	8.8	9.9	0	0	0	0
8	19	10	9.8	15	30	10	8.2	15	0	0	.54	0
9	22	10	10	12	30	7.7	2	20	0	0	7.5	0
10	23	8.8	10	20	26	9.3	.03	17	0	0	0	0
11	24	8.8	9.4	18	26	13	0	7.2	0	0	.75	0
12	24	8.8	11	15	26	14	0	0	0	0	13	0
13	24	8.8	11	22	30	15	0	0	0	0	7.5	0
14	23	9.3	15	27	32	19	0	0	0	0	18	0
15	22	9.3	17	18	31	25	0	0	0	53	21	0
16	22	7.8	2.7	14	29	21	0	0	0	61	23	0
17	24	8	3.6	13	30	22	0	0	0	28	20	0
18	27	8	3.5	12	29	24	.37	109	0	17	18	316
19	26	8	2.6	17	28	21	0	229	0	14	15	67
20	25	9.5	14	22	28	17	0	100	0	13	22	25
21	23	9.5	14	27	28	16	0	157	0	17	18	22
22	23	9.7	21	25	27	17	0	56	0	20	14	22
23	24	9.7	23	31	28	14	0	40	0	23	12	20
24	24	9.9	19	26	28	14	0	36	0	31	9	18
25	25	10	13	30	22	30	0	41	0	33	0	15
26	31	10	25	28	19	36	0	22	0	600	6.8	14
27	21	9.7	22	29	23	21	0	11	0	850	22	14
28	22	9.7	24	29	23	19	0	9.4	0	32	18	14
29	34	9.6	21	32	---	17	0	9.2	0	35	13	13
30	129	9.7	20	30	---	15	0	6.7	0	22	18	12
31	67	---	29	28	---	13	---	2.3	---	17	27	---
TOTAL	826.5	346.6	418.2	681	772	541	88.2	924	0	1942	383.29	632.3
MEAN	26.7	11.6	13.5	22	28	17.5	2.94	29.8	0	62.6	12.4	21.1
AC-FT	1640	687	829	1350	1530	1070	175	1830	0	3850	760	1250
MAX	129	38	29	32	32	36	13	229	0	850	27	316
MIN	5.5	7.8	2.6	12	19	7.7	0	0	0	0	0	0
CAL YR 2000	TOTAL	11191.6	MEAN	30.6	MAX	794	MIN	0	AC-FT	22200		
WTR YR 2001	TOTAL	7555.09	MEAN	20.7	MAX	850	MIN	0	AC-FT	14990		

MAX DISCH: 1430 CFS AT 12:30 ON Sep. 18, 2001 GH 4.66 FT. SHIFT 0 FT.  
MAX GH: 4.66 FT. AT 12:30 ON Sep. 18, 2001

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



## ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO.

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

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder and satellite monitored data collection platform (DCP) in steel shelter. Control is 6' Parshall flume.

REMARKS.--Record is complete and reliable except for: December 15-20, 2000 when ice buildup in the flume affected the stage-discharge relationship. Record fair, except during periods of estimated flows, which is poor. Station maintained and record developed by Adam Adame.

RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

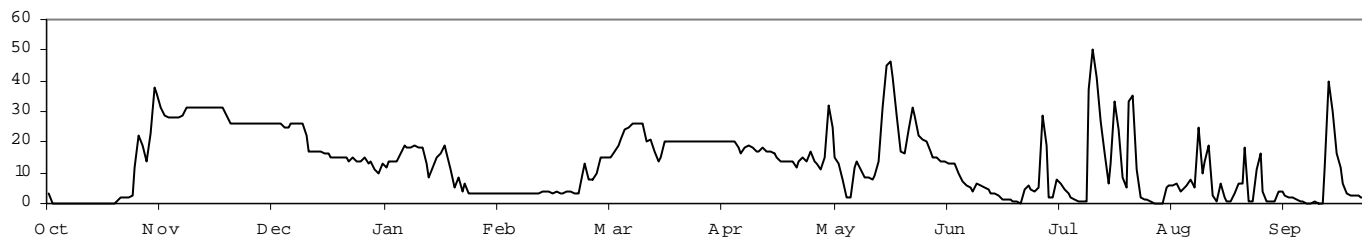
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	31	26	13	3.3	10	20	13	17	5.1	.82	3.9
2	0	29	26	12	3.3	15	20	11	15	29	.2	.93
3	0	28	26	14	3.3	15	20	15	15	19	.2	.84
4	0	28	26	14	3.3	15	20	32	14	2.1	.2	.81
5	0	28	25	14	3.3	15	20	25	14	2.1	5.2	4.2
6	0	28	25	16	3.1	17	20	15	13	7.6	5.6	3.7
7	0	29	26	19	3.1	19	20	13	13	6.2	6	2.4
8	0	31	26	18	3.1	21	20	7.9	13	4.4	6.5	1.8
9	0	31	26	18	3.3	24	18	2.2	10	3.2	4.1	1.7
10	0	31	26	19	3.1	25	16	2.1	7.5	1.9	4.9	1.3
11	0	31	22	18	3.2	26	18	12	6.1	1.1	6	.84
12	0	31	17	18	3.1	26	19	14	4.9	.6	7.7	.47
13	0	31	17	13	3.2	26	18	11	4.2	.39	5	.31
14	0	31	17	8.4	3.7	26	17	8.8	6.2	.47	25	.28
15	0	31	17	12	3.7	20	17	8.4	5.6	37	10	.33
16	0	31	16	15	3.6	21	18	7.9	4.9	50	14	.27
17	0	31	16	16	3.4	17	17	9	4.3	41	19	.27
18	0	31	15	19	3.6	14	17	14	3.3	27	2.5	12
19	0	29	15	16	3.5	15	16	31	3.1	16	.93	40
20	.71	26	15	11	3.5	20	15	45	2.5	6.7	6.3	30
21	2.1	26	15	4.9	3.7	20	14	46	1.6	13	1.7	16
22	2.1	26	15	8.4	3.6	20	14	41	1.5	33	.87	12
23	2.1	26	14	3.7	3.5	20	14	29	1.1	24	.76	6.5
24	2.9	26	15	6.7	3.5	20	14	17	.75	8.6	3.3	3
25	12	26	14	3.5	10	20	12	16	.47	4.9	6.2	2.7
26	22	26	14	3.4	13	20	14	24	.29	33	6.3	2.5
27	19	26	15	3.3	7.9	20	15	31	4.7	35	18	2.3
28	14	26	13	3.3	7.9	20	14	29	5.7	11	.93	2.2
29	23	26	14	3.3	---	20	17	22	4.4	1.9	.85	2.1
30	38	26	11	3.3	---	20	14	21	3.7	1.2	11	1.6
31	36	---	9.5	3.3	---	20	---	20	---	1.2	16	---
TOTAL	177.41	857	574.5	350.5	119.8	607	508	593.3	200.81	427.66	196.06	157.25
MEAN	5.72	29	18.5	11.3	4.3	20	17	19.1	6.69	13.8	6.32	5.24
AC-FT	352	1700	1140	695	238	1200	1010	1180	398	848	389	312
MAX	38	31	26	19	13	26	20	46	17	50	25	40
MIN	0	26	9.5	3.3	3.1	10	12	2.1	.29	.39	.2	.27

CAL YR	2000	TOTAL	6235.34	MEAN	17.1	MAX	45	MIN	0	AC-FT	12370
WTR YR	2001	TOTAL	4769.29	MEAN	13.1	MAX	50	MIN	0	AC-FT	9460

MAX DISCH: 63.5 CFS AT 22:00 ON Jul. 26, 2001 GH 1.84 FT. SHIFT 0 FT.  
MAX GH: 1.84 FT. AT 22:00 ON Jul. 26, 2001

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



ARKANSAS RIVER BASIN

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

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

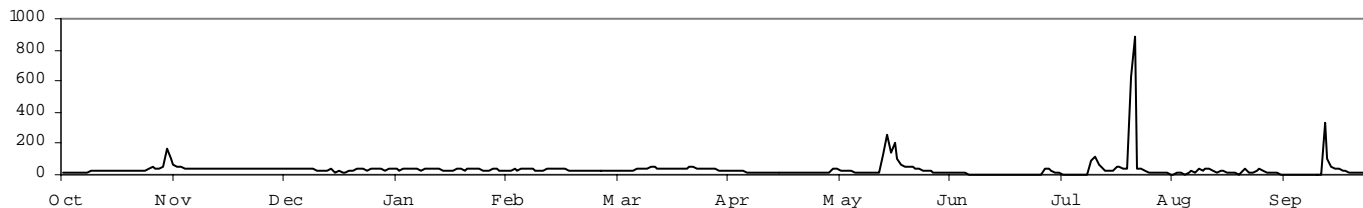
**DRAINAGE AREA.**--2,752 mi<sup>2</sup>.

**REMARKS.**--The combined record of discharges was obtained by the addition of daily flows from the Ninemile Canal to the corresponding flows in the Purgatoire River at Ninemile Dam. The peak discharge for the water year was 1450 cfs at approximately 1230 September 18, 2001. Combined record is fair, except for during the following periods of estimated flows: December 15-20, 2000 when ice affected the stage-discharge relationship of the Ninemile Canal flume; October 13, December 25, 2000; January 17, April 11, 13-17, June 23, 28, July 6-10, 25-27 and 29-31, 2001, due to malfunction of the river gage DCP and loss of data logger memory; and, during periods of flow less than 5 cfs and over 500 cfs; all of which should be considered poor. Station maintained and record developed by Div. II personnel.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9	69	36	37	30	31	33	13	17	5.1	16	23
2	12	53	36	35	28	31	32	11	15	42	14	15
3	14	45	36	32	30	31	32	15	15	36	13	13
4	15	43	36	33	33	31	31	37	14	22	12	11
5	17	42	34	34	32	31	31	35	14	18	10	9.5
6	17	42	35	35	33	31	30	26	13	18	5.6	3.7
7	18	41	36	37	34	31	29	23	13	6.2	6	2.4
8	19	41	36	33	33	31	28	23	13	4.4	7	1.8
9	22	41	36	30	33	32	20	22	10	3.2	12	1.7
10	23	40	36	39	29	34	16	19	7.5	1.9	4.9	1.3
11	24	40	31	36	29	39	18	19	6.1	1.1	6.7	.84
12	24	40	28	33	29	40	19	14	4.9	.6	21	.47
13	24	40	28	35	33	41	18	11	4.2	.39	13	.31
14	23	40	32	35	36	45	17	8.8	6.2	.47	43	.28
15	22	40	34	30	35	45	17	8.4	5.6	90	31	.33
16	22	39	19	29	33	42	18	7.9	4.9	111	37	.27
17	24	39	20	29	33	39	17	9	4.3	69	39	.27
18	27	39	19	31	33	38	17	123	3.3	44	21	328
19	26	37	18	33	32	36	16	260	3.1	30	16	107
20	26	36	29	33	32	37	15	145	2.5	20	28	55
21	25	36	29	32	32	36	14	203	1.6	30	20	38
22	25	36	36	33	31	37	14	97	1.5	53	15	34
23	26	36	37	35	32	34	14	69	1.1	47	13	27
24	27	36	34	33	32	34	14	53	.75	40	12	21
25	37	36	27	34	32	50	12	57	.47	38	6.2	18
26	53	36	39	31	32	56	14	46	.29	633	13	17
27	40	36	37	32	31	41	15	42	4.7	885	40	16
28	36	36	37	32	31	39	14	38	5.7	43	19	16
29	57	36	35	35	---	37	17	31	4.4	37	14	15
30	167	36	31	33	---	35	14	28	3.7	23	29	14
31	103	---	39	31	---	33	---	22	---	18	43	---
TOTAL	1004	1207	996	1030	893	1148	596	1516.1	200.81	2370.36	580.4	791.17
MEAN	32.4	40	32	33	32	37	20	48.9	6.69	76.5	18.7	26.4
AC-FT	1990	2390	1980	2040	1770	2280	1180	3010	398	4700	1150	1570
MAX	167	69	39	39	36	56	33	260	17	885	43	328
MIN	9	36	18	29	28	31	12	7.9	.29	.39	4.9	.27
CAL YR 2000	TOTAL	17437.8	MEAN	47.6	MAX	839	MIN	4.1	AC-FT	34590		
WTR YR 2001	TOTAL	12332.84	MEAN	33.8	MAX	885	MIN	.27	AC-FT	24460		

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



ARKANSAS RIVER BASIN

07134125 ARKANSAS RIVER below X-Y DITCH DAM nr CARLTON, CO

**LOCATION.**--Lat 38°06'17", long 102°25'17", SE¼SW¼ sec.25, T. 22 S., R.45 W., Prowers Co., Hydrologic Unit 11020009, on the right bank, 0.75 mi. west of Co Rd. 19, 0.3 mi. downstream of the former X-Y Ditch diversion dam and headgate and 1 mile northwest of Carlton, Co.

**DRAINAGE AREA.** -- Undetermined.

**GAGE.**-- Graphic water-stage recorder, satellite monitored data collection platform(Sutron 8004 DCP) and shaft encoder in metal half shelter over 24-inch diameter CMP well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Primary reference gage until October 26, 2000 was a tapedown from a steel T-post RP near the right bank approximately 5 feet above the CMP intakes. A new staff gage was installed October 25, 2000 near the T-post RP, and put into use as the primary reference gage on October 26, 2000 when a measurement was made.

**REMARKS.**--Record is complete and reliable. Record good. A new rating will be prepared during WY2002 using low flow measurements from WY01 and WY02 to better define the low flow portion of the rating. Station maintained and record developed by Adam Adame.

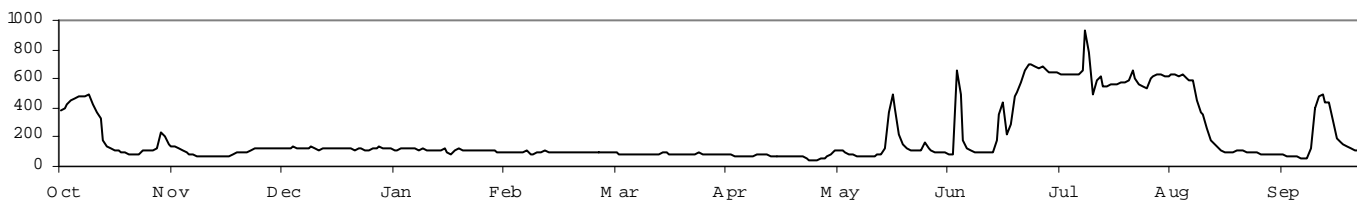
**RATING TABLE.**--ARKCARCO03 USED FROM 01-OCT-2000 TO 10-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	378	135	126	117	99	94	80	48	110	677	596	84
2	398	135	124	116	99	97	80	61	99	681	618	84
3	423	123	120	115	98	95	85	72	100	660	633	84
4	446	105	128	121	98	95	87	86	99	646	629	81
5	468	92	132	121	98	93	81	104	90	638	617	77
6	483	82	128	122	102	88	77	110	85	639	618	76
7	486	76	127	121	101	85	75	115	84	635	629	76
8	484	72	127	117	103	84	72	102	664	635	627	75
9	498	70	130	114	89	83	69	83	490	624	620	73
10	418	70	131	117	80	84	68	77	184	632	627	71
11	373	70	121	114	97	84	69	75	129	634	602	68
12	323	73	109	113	98	84	74	68	110	630	594	58
13	180	73	125	115	103	84	76	65	101	659	591	55
14	140	74	126	113	100	84	76	62	98	927	457	55
15	120	75	130	113	99	82	86	65	95	776	365	127
16	112	73	130	119	98	86	76	66	94	488	350	404
17	105	73	125	98	95	88	72	86	93	593	256	479
18	93	81	124	88	95	91	70	80	90	619	178	497
19	91	98	124	115	97	92	70	118	176	552	146	441
20	88	95	118	118	95	86	70	369	358	549	130	435
21	88	95	119	112	95	83	66	491	436	564	113	314
22	88	95	116	111	95	80	66	396	224	567	95	191
23	88	110	124	111	96	80	62	216	284	565	95	161
24	110	125	124	110	99	77	62	144	477	571	96	153
25	105	127	115	111	98	80	72	121	512	571	104	131
26	110	127	108	113	95	89	63	111	569	590	103	124
27	105	127	118	112	95	88	53	108	659	663	108	111
28	126	128	130	111	93	90	43	104	699	601	100	106
29	235	127	131	109	---	88	41	112	704	567	96	94
30	204	127	125	109	---	88	42	164	686	542	91	83
31	144	---	124	99	---	84	---	123	---	530	90	---
TOTAL	7510	2933	3839	3495	2710	2686	2083	4002	8599	19225	10974	4868
MEAN	242	98	124	113	97	87	69	129	287	620	354	162
AC-FT	14900	5820	7610	6930	5380	5330	4130	7940	17060	38130	21770	9660
MAX	498	135	132	122	103	97	87	491	704	927	633	497
MIN	88	70	108	88	80	77	41	48	84	488	90	55
CAL YR 2000	TOTAL	113349	MEAN	310	MAX	1130	MIN	30	AC-FT	224800		
WTR YR 2001	TOTAL	72924	MEAN	200	MAX	927	MIN	41	AC-FT	144600		

MAX DISCH: 1560 CFS AT 01:30 ON Jul. 15, 2001 GH 4.38 FT. SHIFT -0.44 FT.  
MAX GH: 4.38 FT. AT 01:30 ON Jul. 15, 2001

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO.

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable, except for the following days: May 12-15, 21-24, 2001 when ice affected the stage-discharge relationship. Record good, except for periods of ice- affected record, which is poor. Station maintained and record developed by L.R. Schultz.

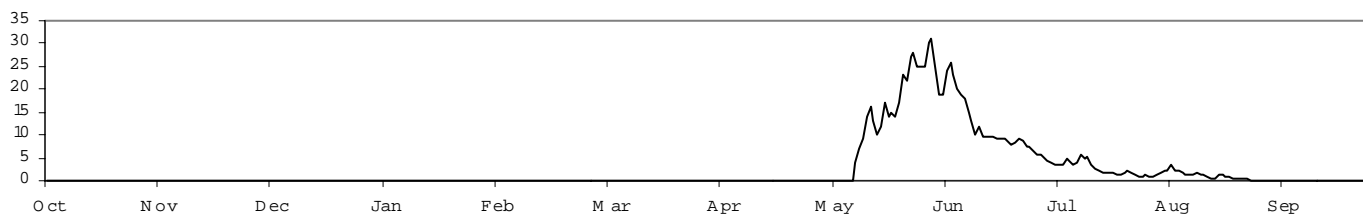
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	30	5.7	1	0
2	0	0	0	0	0	0	0	0	31	5.5	1	0
3	0	0	0	0	0	0	0	0	25	5	1.4	0
4	0	0	0	0	0	0	0	0	19	4.2	1.8	0
5	0	0	0	0	0	0	0	0	19	3.8	2	0
6	0	0	0	0	0	0	0	0	24	3.4	2.3	0
7	0	0	0	0	0	0	0	0	26	3.3	3.5	0
8	0	0	0	0	0	0	0	0	23	3.6	2.4	0
9	0	0	0	0	0	0	0	0	20	4.6	2.1	0
10	0	0	0	0	0	0	0	0	19	4.5	1.6	0
11	0	0	0	0	0	0	0	0	18	3.5	1.4	0
12	0	0	0	0	0	0	0	4.1	15	3.8	1.1	0
13	0	0	0	0	0	0	0	7	13	5.5	1.1	0
14	0	0	0	0	0	0	0	9	9.9	4.6	1.7	0
15	0	0	0	0	0	0	0	14	12	5.2	1.4	0
16	0	0	0	0	0	0	0	16	9.5	3.3	1.1	0
17	0	0	0	0	0	0	0	13	9.6	2.6	.8	0
18	0	0	0	0	0	0	0	10	9.7	2.2	.61	0
19	0	0	0	0	0	0	0	12	9.8	1.9	.64	0
20	0	0	0	0	0	0	0	17	9.3	1.9	1.5	0
21	0	0	0	0	0	0	0	14	9.3	1.8	1.5	0
22	0	0	0	0	0	0	0	15	9.1	1.6	.89	0
23	0	0	0	0	0	0	0	14	8.5	1.5	.78	0
24	0	0	0	0	0	0	0	17	8	1.5	.65	0
25	0	0	0	0	0	0	0	23	8.1	1.7	.65	0
26	0	0	0	0	0	0	0	22	9.3	2.1	.46	0
27	0	0	0	0	0	0	0	27	8.9	1.6	.34	0
28	0	0	0	0	0	0	0	28	7.6	1.2	.26	0
29	0	0	0	0	---	0	0	25	7.4	.99	.17	0
30	0	0	0	0	---	0	0	25	6.4	.9	.09	0
31	0	---	0	0	---	0	---	25	---	1.1	0	---
TOTAL	0	0	0	0	0	0	0	337.1	434.4	94.09	36.24	0
MEAN	0	0	0	0	0	0	0	10.9	14.5	3.04	1.17	0
AC-FT	0	0	0	0	0	0	0	669	862	187	72	0
MAX	0	0	0	0	0	0	0	28	31	5.7	3.5	0
MIN	0	0	0	0	0	0	0	0	6.4	.9	0	0
CAL YR 2000	TOTAL	878.05	MEAN	2.40	MAX	53	MIN	0	AC-FT	1740		
WTR YR 2001	TOTAL	901.83	MEAN	2.47	MAX	31	MIN	0	AC-FT	1790		

MAX DISCH: 50.8 CFS AT 17:30 ON Jun 1, 2001 GH 1.56 FT. SHIFT 0.04 FT.  
MAX GH: 1.56 FT. AT 17:30 ON Jun 1, 2001

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO

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

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (DCP) and shaft encoder in a 30" diameter metal pipe shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 4-foot steel Parshall flume.

REMARKS.--Record is complete and reliable, except for the following days when the stage-discharge relationship was affected by ice in the flume: Apr. 29,30; May 1-3, 7-9, 11 and 21, 2001. Record fair. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD04FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

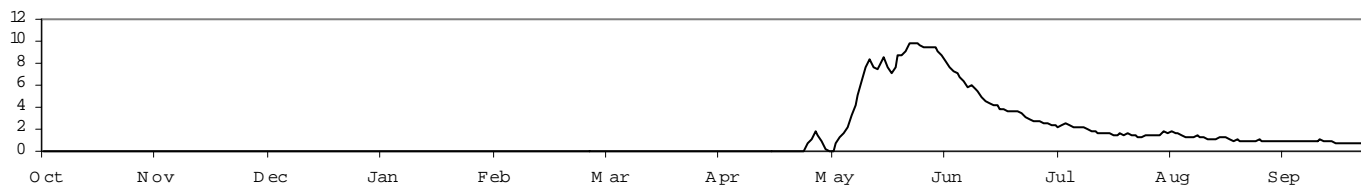
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	1.9	9.4	2.8	1.5	1
2	0	0	0	0	0	0	0	1.5	9.4	2.8	1.4	.98
3	0	0	0	0	0	0	0	1	9.4	2.6	1.4	.95
4	0	0	0	0	0	0	0	.24	9.1	2.5	1.5	.91
5	0	0	0	0	0	0	0	0	8.7	2.3	1.8	.91
6	0	0	0	0	0	0	0	0	8.1	2.4	1.7	.94
7	0	0	0	0	0	0	0	.66	7.7	2.2	1.9	.99
8	0	0	0	0	0	0	0	1.3	7.3	2.4	1.7	1
9	0	0	0	0	0	0	0	1.6	7.1	2.5	1.6	1
10	0	0	0	0	0	0	0	2.2	6.7	2.3	1.4	.98
11	0	0	0	0	0	0	0	3.3	6.3	2.1	1.3	.92
12	0	0	0	0	0	0	0	4.1	5.9	2.2	1.3	.87
13	0	0	0	0	0	0	0	5.1	6	2.2	1.2	.96
14	0	0	0	0	0	0	0	6.3	5.7	2.1	1.4	1
15	0	0	0	0	0	0	0	7.7	5.5	2	1.3	.9
16	0	0	0	0	0	0	0	8.3	5	1.8	1.2	.9
17	0	0	0	0	0	0	0	7.6	4.6	1.8	1.1	1.1
18	0	0	0	0	0	0	0	7.5	4.4	1.7	1.1	.94
19	0	0	0	0	0	0	0	7.8	4.2	1.7	1.1	.87
20	0	0	0	0	0	0	0	8.5	4.1	1.6	1.3	.85
21	0	0	0	0	0	0	0	7.7	3.9	1.6	1.2	.8
22	0	0	0	0	0	0	0	7.1	3.9	1.5	1.2	.8
23	0	0	0	0	0	0	0	7.7	3.7	1.5	1.1	.78
24	0	0	0	0	0	0	0	8.7	3.6	1.6	1	.77
25	0	0	0	0	0	0	0	8.8	3.6	1.5	1.1	.8
26	0	0	0	0	0	0	0	9.1	3.6	1.6	1	.77
27	0	0	0	0	0	0	0	9.8	3.4	1.4	.98	.72
28	0	0	0	0	0	0	0	9.9	3.1	1.4	.97	.72
29	0	0	0	0	---	0	.66	9.8	3	1.3	.98	.72
30	0	0	0	0	---	0	1.1	9.7	2.8	1.3	1	.72
31	0	---	0	0	---	0	---	9.5	---	1.4	1.1	---
TOTAL	0	0	0	0	0	0	1.76	174.4	169.2	60.1	39.83	26.57
MEAN	0	0	0	0	0	0	.06	5.63	5.6	1.9	1.28	.89
AC-FT	0	0	0	0	0	0	3.5	346	336	119	79	53
MAX	0	0	0	0	0	0	1.1	9.9	9.4	2.8	1.9	1.1
MIN	0	0	0	0	0	0	0	0	2.8	1.3	.97	.72

CAL YR 2000 TOTAL 516.29 MEAN 1.41 MAX 16 MIN 0 AC-FT 1020  
WTR YR 2001 TOTAL 471.86 MEAN 1.29 MAX 9.9 MIN 0 AC-FT 936

MAX DISCH: 12.6 CFS AT 17:15 ON May 27, 2001 GH 0.89 FT. SHIFT -0.03 FT.  
MAX GH: 0.89 FT. AT 17:15 ON May 27, 2001

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





TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO

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

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume in a 30" metal shelter.

REMARKS.--Record is complete and reliable, except for the following periods: May 1-3, 9, 22, 2001, when the stage was ice-affected. Record good, except for those periods of ice affected record, which is poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WURDITCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

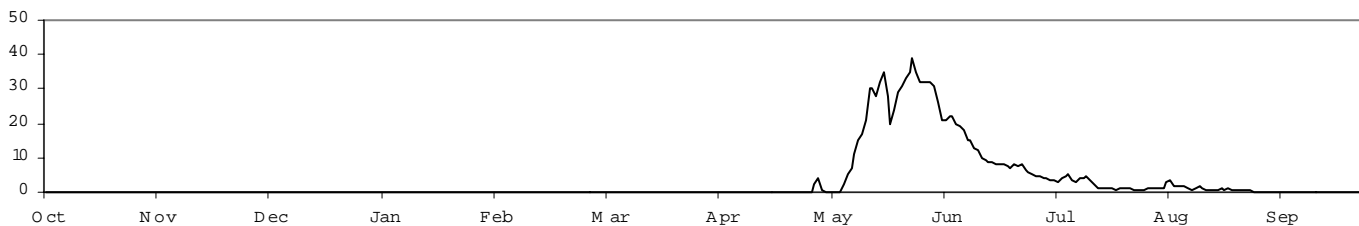
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	2.2	32	4.7	.99	0
2	0	0	0	0	0	0	0	4.2	32	4.5	1.3	0
3	0	0	0	0	0	0	0	.4	31	4	1.1	0
4	0	0	0	0	0	0	0	0	26	3.8	1.4	0
5	0	0	0	0	0	0	0	0	21	3.6	1.1	0
6	0	0	0	0	0	0	0	0	21	3.2	2.7	0
7	0	0	0	0	0	0	0	0	22	3	3.5	0
8	0	0	0	0	0	0	0	0	22	3.8	1.6	0
9	0	0	0	0	0	0	0	2.2	20	4.7	1.9	0
10	0	0	0	0	0	0	0	5	19	5	1.8	0
11	0	0	0	0	0	0	0	7.2	18	3.2	1.6	0
12	0	0	0	0	0	0	0	11	15	3.1	1.1	0
13	0	0	0	0	0	0	0	15	15	4.1	.79	0
14	0	0	0	0	0	0	0	17	13	3.8	1.4	0
15	0	0	0	0	0	0	0	21	12	4.5	1.6	0
16	0	0	0	0	0	0	0	30	10	3.2	1.1	0
17	0	0	0	0	0	0	0	30	9.2	2.2	.7	0
18	0	0	0	0	0	0	0	28	8.7	1.4	.6	0
19	0	0	0	0	0	0	0	32	8.8	1.2	.59	0
20	0	0	0	0	0	0	0	35	8.4	1.1	.67	0
21	0	0	0	0	0	0	0	28	8.4	.98	1	0
22	0	0	0	0	0	0	0	20	8.1	.9	.7	0
23	0	0	0	0	0	0	0	24	7.3	.76	.96	0
24	0	0	0	0	0	0	0	29	7	.93	.58	0
25	0	0	0	0	0	0	0	31	8	1.2	.48	0
26	0	0	0	0	0	0	0	33	7.3	1.4	.45	0
27	0	0	0	0	0	0	0	35	8.4	1.2	.4	0
28	0	0	0	0	0	0	0	39	6.4	.71	.36	0
29	0	0	0	0	---	0	0	35	5.6	.56	.37	0
30	0	0	0	0	---	0	0	32	5.1	.5	.12	0
31	0	---	0	0	---	0	---	32	---	.55	0	---
TOTAL	0	0	0	0	0	0	0	578.2	435.7	77.79	32.96	0
MEAN	0	0	0	0	0	0	0	18.7	14.5	2.51	1.06	0
AC-FT	0	0	0	0	0	0	0	1150	864	154	65	0
MAX	0	0	0	0	0	0	0	39	32	5	3.5	0
MIN	0	0	0	0	0	0	0	0	5.1	.5	0	0

CAL YR 2000	TOTAL	1312.3	MEAN	3.59	MAX	55	MIN	0	AC-FT	2600
WTR YR 2001	TOTAL	1124.65	MEAN	3.08	MAX	39	MIN	0	AC-FT	2230

MAX DISCH: 50.8 CFS AT 21:00 ON May 28, 2001 GH 1.56 FT. SHIFT 0.04 FT.  
MAX GH: 1.56 FT. AT 21:00 ON May 28, 2001

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS

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

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume in a 30" metal shelter.

REMARKS.--Record is complete and reliable except for the following periods: May 21 and 22, 2001 due to ice affected flow in the flume. Record good, except that for estimated days, which is poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WUREXD001 USED FROM 01-OCT-2000 TO 30-SEP-2001

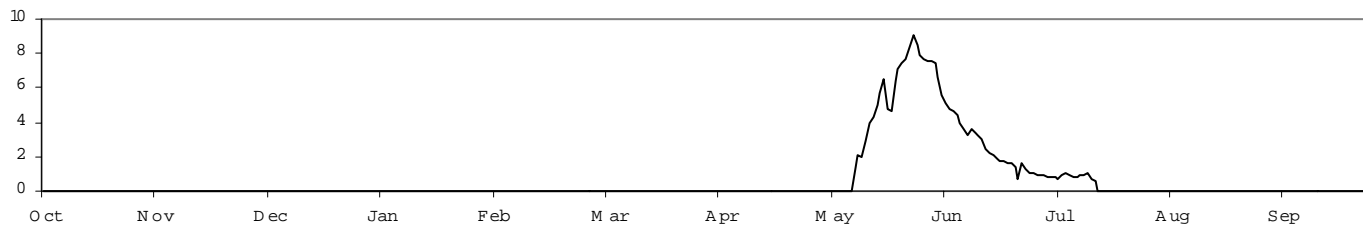
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	7.6	.98	0	0
2	0	0	0	0	0	0	0	0	7.6	.93	0	0
3	0	0	0	0	0	0	0	0	7.5	.9	0	0
4	0	0	0	0	0	0	0	0	6.6	.84	0	0
5	0	0	0	0	0	0	0	0	5.6	.8	0	0
6	0	0	0	0	0	0	0	0	5.1	.78	0	0
7	0	0	0	0	0	0	0	0	4.8	.74	0	0
8	0	0	0	0	0	0	0	0	4.6	.94	0	0
9	0	0	0	0	0	0	0	0	4.4	1	0	0
10	0	0	0	0	0	0	0	0	4	.98	0	0
11	0	0	0	0	0	0	0	0	3.6	.77	0	0
12	0	0	0	0	0	0	0	1.4	3.2	.79	0	0
13	0	0	0	0	0	0	0	2.1	3.6	.96	0	0
14	0	0	0	0	0	0	0	2	3.4	.91	0	0
15	0	0	0	0	0	0	0	2.9	3.2	1	0	0
16	0	0	0	0	0	0	0	4	3	.74	0	0
17	0	0	0	0	0	0	0	4.3	2.5	.54	0	0
18	0	0	0	0	0	0	0	5	2.2	.05	0	0
19	0	0	0	0	0	0	0	5.7	2.1	0	0	0
20	0	0	0	0	0	0	0	6.5	1.9	0	0	0
21	0	0	0	0	0	0	0	4.8	1.8	0	0	0
22	0	0	0	0	0	0	0	4.7	1.7	0	0	0
23	0	0	0	0	0	0	0	6.4	1.6	0	0	0
24	0	0	0	0	0	0	0	7.1	1.6	0	0	0
25	0	0	0	0	0	0	0	7.5	1.4	0	0	0
26	0	0	0	0	0	0	0	7.7	.64	0	0	0
27	0	0	0	0	0	0	0	8.4	1.6	0	0	0
28	0	0	0	0	0	0	0	9.1	1.3	0	0	0
29	0	0	0	0	---	0	0	8.5	1.1	0	0	0
30	0	0	0	0	---	0	0	7.9	1	0	0	0
31	0	---	0	0	---	0	---	7.7	---	0	0	---
TOTAL	0	0	0	0	0	0	0	113.7	100.24	14.65	0	0
MEAN	0	0	0	0	0	0	0	3.67	3.34	.47	0	0
AC-FT	0	0	0	0	0	0	0	226	199	29	0	0
MAX	0	0	0	0	0	0	0	9.1	7.6	1.0	0	0
MIN	0	0	0	0	0	0	0	0	.64	0	0	0

CAL YR 2000 TOTAL 329.52 MEAN .90 MAX 14 MIN 0 AC-FT 654  
WTR YR 2001 TOTAL 228.59 MEAN .63 MAX 9.1 MIN 0 AC-FT 453

MAX DISCH: 11.8 CFS AT 19:00 ON May 27, 2001 GH 0.65 FT. SHIFT -0.01 FT.  
MAX GH: 0.65 FT. AT 19:00 ON May 27, 2001

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09063700 HOMESTAKE TUNNEL NEAR GOLD PARK, CO

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

GAGE.--Graphic water-stage recorder in a 4'x 4' wood shelter at a 12' Parshall flume. Satellite monitored DCP is the primary source of data. Satellite and chart are set to inside staff gage.

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

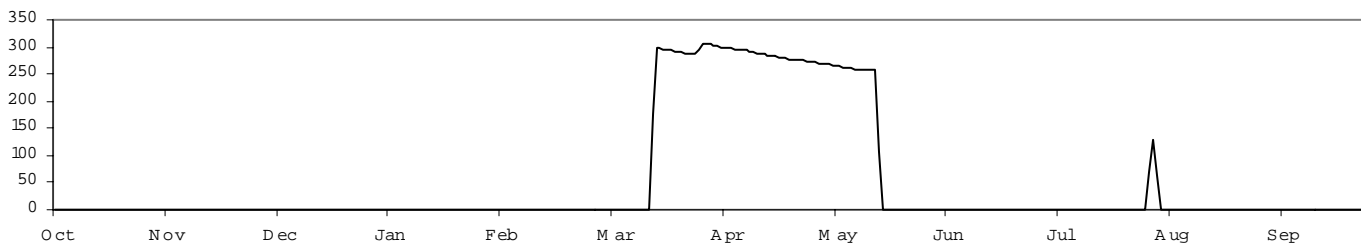
RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	305	270	0	0	69	0
2	0	0	0	0	0	0	303	270	0	0	129	0
3	0	0	0	0	0	0	302	269	0	0	61	0
4	0	0	0	0	0	0	300	268	0	0	0	0
5	0	0	0	0	0	0	299	266	0	0	0	0
6	0	0	0	0	0	0	298	265	0	0	0	0
7	0	0	0	0	0	0	297	264	0	0	0	0
8	0	0	0	0	0	0	296	262	0	0	0	0
9	0	0	0	0	0	0	295	261	0	0	0	0
10	0	0	0	0	0	0	294	260	0	0	0	0
11	0	0	0	0	0	0	293	259	0	0	0	0
12	0	0	0	0	0	0	292	258	0	0	0	0
13	0	0	0	0	0	0	290	258	0	0	0	0
14	0	0	0	0	0	0	289	258	0	0	0	0
15	0	0	0	0	0	0	288	258	0	0	0	0
16	0	0	0	0	0	176	286	258	0	0	0	0
17	0	0	0	0	0	298	285	258	0	0	0	0
18	0	0	0	0	0	297	284	107	0	0	0	0
19	0	0	0	0	0	296	283	0	0	0	0	0
20	0	0	0	0	0	295	281	0	0	0	0	0
21	0	0	0	0	0	294	280	0	0	0	0	0
22	0	0	0	0	0	292	279	0	0	0	0	0
23	0	0	0	0	0	291	278	0	0	0	0	0
24	0	0	0	0	0	290	276	0	0	0	0	0
25	0	0	0	0	0	289	275	0	0	0	0	0
26	0	0	0	0	0	288	275	0	0	0	0	0
27	0	0	0	0	0	287	276	0	0	0	0	0
28	0	0	0	0	0	286	274	0	0	0	0	0
29	0	0	0	0	---	295	273	0	0	0	0	0
30	0	0	0	0	---	307	271	0	0	0	0	0
31	0	---	0	0	---	306	---	0	---	0	0	---
TOTAL	0	0	0	0	0	4587	8617	4569	0	0	259	0
MEAN	0	0	0	0	0	148	287	147	0	0	8.35	0
AC-FT	0	0	0	0	0	9100	17090	9060	0	0	514	0
MAX	0	0	0	0	0	307	305	270	0	0	129	0
MIN	0	0	0	0	0	0	271	0	0	0	0	0
CAL YR 2000	TOTAL	12169	MEAN	33.2	MAX	293	MIN	0	AC-FT	24140		
WTR YR 2001	TOTAL	18032	MEAN	49.4	MAX	307	MIN	0	AC-FT	35770		

MAX DISCH: 310 CFS AT 14:30 ON Mar. 29, 2001 GH 3.17 FT. SHIFT 0.09 FT.  
MAX GH: 3.17 FT. AT 14:30 ON Mar. 29, 2001

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

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

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

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

**GAGE.**--Graphic water-stage recorder with satellite monitored DCP in a 5'x 5' concrete shelter at a 12' Parshall flume. Satellite and chart are set to outside staff gage.

**REMARKS.**--Record is complete and reliable, except for the period of: Nov. 11-20, 2000, when the well was frozen. Record fair. Additional high flow measurements are needed to better define shifts to the rating at higher stages and eventually a new rating for the flume. The standard Parshall flume rating only applies at stages less than about 1.7 feet. Station maintained and records developed by L.R.Schultz.

**RATING TABLE.**--STD12FTPF USED FROM 01-OCT-2000 TO 30-SEP-2001

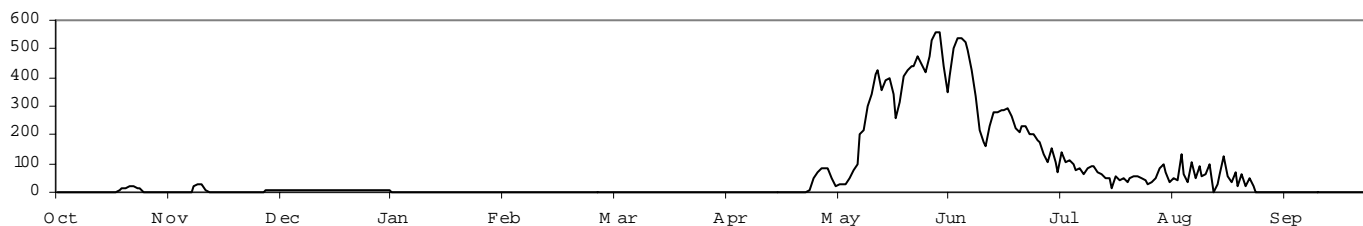
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.09	1.6	4.2	3.6	.82	.99	1	83	533	172	37	1.8
2	.09	1.8	4.2	2.7	.82	1	1.1	81	558	135	49	1.8
3	.09	1.8	4.2	.67	.88	1.1	1.1	87	559	105	82	1.8
4	.09	1.8	4.2	.67	.82	1.1	1.1	51	438	153	101	1.8
5	.12	1.9	4.2	.66	.83	.89	1.2	20	351	103	68	1.8
6	.19	2	4.2	.66	.82	.99	1.1	31	402	73	36	1.7
7	.72	1.5	4.2	.66	.82	1	1.2	30	502	143	48	1.6
8	1.1	19	3.9	.66	.82	1.1	1.2	30	537	103	42	1.6
9	1.3	30	3.8	.66	.82	1.1	1.2	46	534	109	133	1.6
10	1.4	28	3.8	.66	.89	1.2	1.2	77	523	98	66	1.6
11	1.2	8.5	3.8	.66	.99	1.2	1.1	101	493	80	32	1.4
12	1.3	.65	3.8	.66	.99	1.2	1.1	201	426	81	103	1.1
13	1.4	.65	3.8	.66	.99	1.1	1.2	219	335	62	48	.7
14	1.5	.65	3.8	.66	1.1	1.1	1.2	297	215	81	91	.39
15	1.4	.65	3.8	.66	1.2	1	1.2	340	177	88	53	.27
16	1.5	.65	3.9	.66	1.2	1	1.2	413	161	93	64	.27
17	1.6	.65	3.8	.66	1.2	1.1	1.2	428	230	67	101	.27
18	3.8	.65	3.8	.66	1.3	1.1	1.1	359	281	63	2.2	.27
19	15	.65	3.7	.66	1.4	1	1.2	394	282	47	29	.27
20	11	.7	3.6	.66	1.4	1.1	1.2	395	287	50	60	.27
21	21	.82	3.6	.66	1.4	1	1.3	343	289	17	125	.27
22	20	.82	3.6	.66	1.4	.99	1.4	257	290	54	55	.27
23	16	.82	3.6	.67	1.3	.99	1.1	315	266	43	37	.27
24	11	.82	3.6	.71	1.1	.99	.66	404	221	51	67	.27
25	1.4	.82	3.6	.82	1.2	.9	.73	427	210	36	21	.28
26	1.4	.86	3.6	.82	1.2	.99	.82	443	233	52	61	.75
27	1.4	2	3.6	.82	1.2	1	.93	441	230	55	23	1.5
28	1.4	4.5	3.6	.82	1.1	1.1	9.1	475	201	53	50	1.5
29	1.5	4.5	3.6	.82	---	1	46	448	203	50	18	1.4
30	1.6	4.4	3.6	.82	---	1	72	418	183	44	1.8	1.4
31	1.6	---	3.6	.82	---	.99	---	472	---	31	1.6	---
TOTAL	123.19	124.16	118.3	26.64	30.01	32.32	157.14	8126	10150	2392	1705.6	30.22
MEAN	3.97	4.14	3.8	.86	1.07	1.04	5.24	262	338	77	55	1.01
AC-FT	244	246	235	53	60	64	312	16120	20130	4740	3380	60
MAX	21	30	4.2	3.6	1.4	1.2	72	475	559	172	133	1.8
MIN	.09	.65	3.6	.66	.82	.89	.66	20	161	17	1.6	.27

CAL YR 2000 TOTAL 21114.82 MEAN 57.6 MAX 611 MIN .09 AC-FT 41880  
WTR YR 2001 TOTAL 23015.58 MEAN 63.1 MAX 559 MIN .09 AC-FT 45650

MAX DISCH: 573 CFS AT 05:15 ON Jun. 3, 2001 GH 4.76 FT. SHIFT 0.03 FT.  
MAX GH: 4.76 FT. AT 05:15 ON Jun. 3, 2001

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE, CO

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

**GAGE.**--Graphic water-stage recorder with satellite DCP in a 5'x 5' concrete shelter at a 15' Parshall flume, with outside staff gage.

**REMARKS.**--Record is complete and reliable. Record good. Additional measurements are needed at high flows to verify shift distribution. Station maintained and records developed by L.R.Schultz.

**RATING TABLE.**--BOUTUNCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

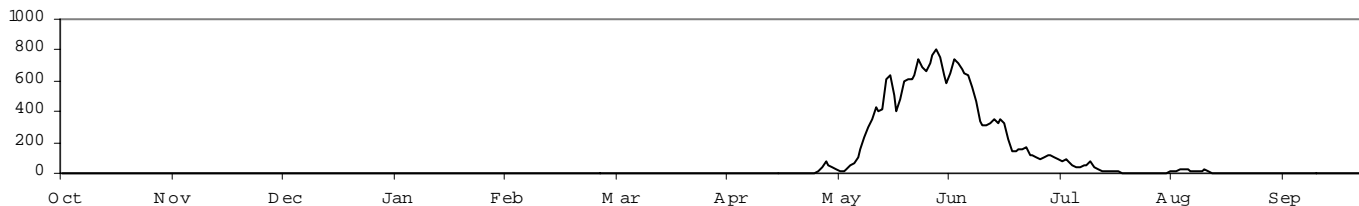
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	2.6	2.2	2.2	2.2	2.7	2.5	45	760	95	3.1	2.8
2	2.8	2.5	2.2	2.2	2.2	2.7	2.5	73	803	100	3.1	2.8
3	2.8	2.5	2.2	2.2	2.2	2.6	2.4	49	750	120	3.1	2.8
4	2.8	2.6	2.2	2.2	2.2	2.5	2.5	33	632	117	3.1	2.8
5	2.8	2.5	2.2	2.2	2.2	2.6	2.5	24	585	102	3.1	2.8
6	2.8	2.5	2.2	2.2	2.2	2.8	2.5	18	650	88	8	2.9
7	2.8	2.5	2.2	2.2	2.4	2.7	2.5	18	742	72	17	3.1
8	2.8	2.5	2.2	2.2	2.5	2.5	2.5	29	713	86	19	3.1
9	2.8	2.5	2.2	2.2	2.5	2.6	2.5	52	676	78	23	3.1
10	2.8	2.5	2.2	2.2	2.4	2.8	2.5	68	655	57	22	3.1
11	2.8	2.5	2.2	2.2	2.5	2.7	2.5	98	640	39	23	3.1
12	2.8	2.5	2.2	2.2	2.5	2.5	2.5	160	553	40	18	3.1
13	2.8	2.5	2.2	2.2	2.5	2.6	2.5	237	470	46	16	3
14	2.8	2.5	2.2	2.2	2.5	2.8	2.5	293	339	51	18	2.8
15	2.8	2.5	2.2	2.2	2.5	2.8	2.5	351	309	72	17	2.8
16	2.8	2.5	2.2	2.2	2.5	2.8	2.5	430	311	44	24	2.8
17	2.6	2.5	2.2	2.2	2.5	2.8	2.4	407	330	26	11	2.8
18	2.5	2.5	2.2	2.2	2.5	2.8	2.4	416	351	16	2.7	2.8
19	2.5	2.5	2.2	2.2	2.5	2.7	2.5	604	328	9.8	2.7	2.8
20	2.5	2.5	2.2	2.2	2.5	2.5	2.5	635	346	9.2	2.8	2.8
21	2.5	2.5	2.2	2.2	2.5	2.5	2.5	508	320	8.6	2.8	2.9
22	2.5	2.5	2.2	2.2	2.5	2.5	2.4	397	223	7.8	2.8	3.1
23	2.6	2.5	2.2	2.2	2.5	2.5	2.2	483	148	6.9	2.8	3.1
24	2.8	2.5	2.2	2.2	2.6	2.5	2.2	591	145	5.2	2.8	3.1
25	2.8	2.5	2.2	2.2	2.6	2.5	2.2	605	159	2.8	2.8	3.1
26	2.8	2.5	2.2	2.2	2.7	2.5	2.2	616	153	2.8	2.8	3
27	2.8	2.5	2.2	2.2	2.8	2.5	2.2	636	169	2.8	2.8	2.8
28	2.8	2.5	2.2	2.2	2.8	2.5	2.2	736	122	2.8	2.8	2.6
29	2.8	2.5	2.2	2.2	---	2.5	2.2	685	115	2.8	2.8	2.8
30	2.8	2.5	2.2	2.2	---	2.5	7.7	667	100	2.9	2.8	2.8
31	2.8	---	2.2	2.2	---	2.5	---	715	---	3.1	2.8	---
TOTAL	84.9	75.2	68.2	68.2	69	81	77.7	10679	12597	1316.5	270.5	87.4
MEAN	2.7	2.5	2.2	2.2	2.5	2.6	2.6	344	420	42.5	8.7	2.9
AC-FT	168	149	135	135	137	161	154	21180	24990	2610	537	173
MAX	2.8	2.6	2.2	2.2	2.8	2.8	7.7	736	803	120	24	3.1
MIN	2.5	2.5	2.2	2.2	2.2	2.5	2.2	18	100	2.8	2.7	2.6

CAL YR 2000 TOTAL 25545.7 MEAN 69.8 MAX 1010 MIN 1.9 AC-FT 50670  
WTR YR 2001 TOTAL 25474.6 MEAN 69.8 MAX 803 MIN 2.2 AC-FT 50530

MAX DISCH: 968 CFS AT 21:30 ON Jun 1, 2001 GH 5.56 FT. SHIFT 0.26 FT.  
MAX GH: 5.56 FT. AT 21:30 ON Jun 1, 2001

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

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

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

**GAGE.**--Graphic water-stage recorder in a 3'x3' metal and wood shelter at an 8' Parshall Flume. Satellite monitored DCP is the primary source of stage data. Satellite and chart are set to outside staff gage.

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

**RATING TABLE.**--BUSTUNCO02 USED FROM 01-OCT-2000 TO 30-SEP-2001

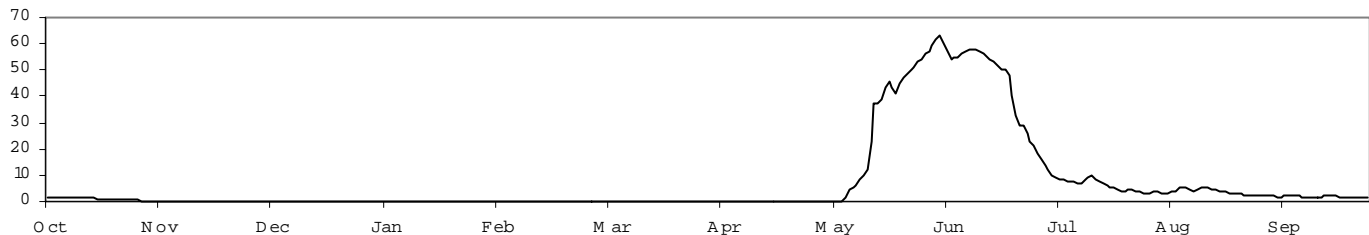
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	0	0	0	0	0	0	0	57	18	3.3	2.2
2	1.7	0	0	0	0	0	0	0	59	16	3.7	2.2
3	1.6	0	0	0	0	0	0	0	62	14	3.6	2.2
4	1.5	0	0	0	0	0	0	0	63	12	3.4	2
5	1.6	0	0	0	0	0	0	0	60	10	3.2	1.9
6	1.5	0	0	0	0	0	0	0	57	9.4	3.1	1.9
7	1.5	0	0	0	0	0	0	0	54	8.7	3.8	2
8	1.4	0	0	0	0	0	0	0	55	8.1	4.1	2
9	1.4	0	0	0	0	0	0	1.6	55	7.7	5	2
10	1.3	0	0	0	0	0	0	4.8	56	7.8	5.1	2
11	1.2	0	0	0	0	0	0	5.2	57	7.3	5.1	2
12	1.2	0	0	0	0	0	0	6.3	58	7.1	4.8	1.9
13	1.2	0	0	0	0	0	0	8.3	58	7.2	4.1	1.9
14	1.2	0	0	0	0	0	0	10	58	8	4.7	1.9
15	1.1	0	0	0	0	0	0	12	57	9	5.7	1.9
16	1.1	0	0	0	0	0	0	23	56	9.6	5.6	1.8
17	1.1	0	0	0	0	0	0	37	55	8.3	5.1	1.9
18	1.1	0	0	0	0	0	0	37	54	7.3	4.8	2.1
19	1.1	0	0	0	0	0	0	39	53	6.5	4.4	2.2
20	1.1	0	0	0	0	0	0	43	52	5.9	4	2
21	1.1	0	0	0	0	0	0	46	50	5.4	3.8	2
22	.94	0	0	0	0	0	0	43	50	5	3.7	1.9
23	.92	0	0	0	0	0	0	41	48	4.6	3.4	1.9
24	.99	0	0	0	0	0	0	45	40	4.1	3.1	1.8
25	1.1	0	0	0	0	0	0	47	33	3.9	2.9	1.7
26	.4	0	0	0	0	0	0	49	29	4.2	2.8	1.7
27	0	0	0	0	0	0	0	50	29	4.6	2.6	1.5
28	0	0	0	0	0	0	0	51	26	4	2.4	1.5
29	0	0	0	0	---	0	0	53	23	3.6	2.3	1.5
30	0	0	0	0	---	0	0	54	21	3.3	2.2	1.5
31	0	---	0	0	---	0	---	56	---	3.2	2.2	---
TOTAL	32.15	0	0	0	0	0	0	762.2	1485	233.8	118	57
MEAN	1.04	0	0	0	0	0	0	24.6	50	7.5	3.8	1.9
AC-FT	64	0	0	0	0	0	0	1510	2950	464	234	113
MAX	1.8	0	0	0	0	0	0	56	63	18	5.7	2.2
MIN	0	0	0	0	0	0	0	0	21	3.2	2.2	1.5

CAL YR	2000	TOTAL	2625.79	MEAN	7.17	MAX	66	MIN	0	AC-FT	5210
WTR YR	2001	TOTAL	2688.15	MEAN	7.37	MAX	63	MIN	0	AC-FT	5330

MAX DISCH: 63.4 CFS AT 05:00 ON June 4, 2001 GH 1.48 FT. SHIFT 0.05 FT.  
MAX GH: 1.48 FT. AT 05:00 ON June 4, 2001

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO

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

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

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

**REMARKS.**--Record is incomplete and unreliable for the period from startup (June 3, 2001) through July 27, 2001 due to the stilling well being isolated from the flume at gage heights below about 0.10 ft. Record is complete and more reliable after July 27, 2001. On July 27, 2001, in an effort to improve the record, a 1.75-inch angle iron was placed in the flume throat. The effect of this was an increase of backwater flow depth equal to 0.14 ft. Recording gages were calibrated to take this backwater depth into account. Record poor prior to July 27, 2001 due to poor gage height record and many days being estimated. Record fair after July 27, 2001 when angle iron was installed in flume throat to create backwater and keep flume from isolating. Station maintained and record developed by L.R. Schultz.

**RATING TABLE.**--STD04FTPF USED FROM 04-JUN-2001 TO 16-SEP-2001

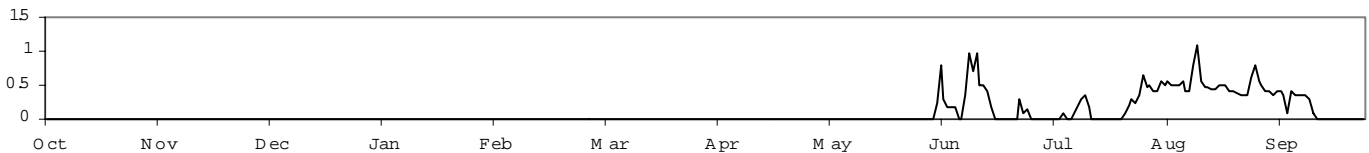
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	.46	.56
2	0	0	0	0	0	0	0	0	0	0	.49	.49
3	0	0	0	0	0	0	0	0	0	0	.42	.42
4	0	0	0	0	0	0	0	0	.24	0	.42	.42
5	0	0	0	0	0	0	0	0	.8	0	.56	.36
6	0	0	0	0	0	0	0	0	.3	0	.49	.42
7	0	0	0	0	0	0	0	0	.19	0	.56	.42
8	0	0	0	0	0	0	0	0	.19	0	.49	.36
9	0	0	0	0	0	0	0	0	.19	.1	.49	.1
10	0	0	0	0	0	0	0	0	0	0	.49	.42
11	0	0	0	0	0	0	0	0	0	0	.56	.36
12	0	0	0	0	0	0	0	0	.36	.06	.42	.36
13	0	0	0	0	0	0	0	0	.98	.19	.42	.36
14	0	0	0	0	0	0	0	0	.72	.3	.8	.36
15	0	0	0	0	0	0	0	0	.98	.36	1.1	.3
16	0	0	0	0	0	0	0	0	.49	.19	.56	.1
17	0	0	0	0	0	0	0	0	.49	0	.48	0
18	0	0	0	0	0	0	0	0	.42	0	.47	0
19	0	0	0	0	0	0	0	0	.19	0	.45	0
20	0	0	0	0	0	0	0	0	0	0	.44	0
21	0	0	0	0	0	0	0	0	0	0	.49	0
22	0	0	0	0	0	0	0	0	0	0	.49	0
23	0	0	0	0	0	0	0	0	0	0	.49	0
24	0	0	0	0	0	0	0	0	0	0	.42	0
25	0	0	0	0	0	0	0	0	0	0	.42	0
26	0	0	0	0	0	0	0	0	0	.1	.39	0
27	0	0	0	0	0	0	0	0	.3	.2	.36	0
28	0	0	0	0	0	0	0	0	.1	.3	.36	0
29	0	0	0	0	---	0	0	0	.14	.24	.34	0
30	0	0	0	0	---	0	0	0	0	.36	.61	0
31	0	---	0	0	---	0	---	0	---	.64	.79	---
TOTAL	0	0	0	0	0	0	0	0	7.08	3.04	15.73	5.81
MEAN	0	0	0	0	0	0	0	0	.24	.1	.51	.19
AC-FT	0	0	0	0	0	0	0	0	.14	.6	.31	.12
MAX	0	0	0	0	0	0	0	0	.98	.64	1.1	.56
MIN	0	0	0	0	0	0	0	0	0	0	.34	0

CAL YR 2000 TOTAL 3.36 MEAN .009 MAX 0.56 MIN 0 AC-FT 6.7  
WTR YR 2001 TOTAL 31.66 MEAN .087 MAX 1.1 MIN 0 AC-FT 63

MAX DISCH: 2.27 CFS AT 04:30 ON Aug. 15, 2001 GH 0.28 FT. SHIFT 0 FT.  
MAX GH: 0.28 FT. AT 04:30 ON Aug. 15, 2001

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



RIO GRANDE BASIN

08213500 RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE, CO

**LOCATION.**--Lat 37°43'30", long 107°15'18", in NE¼ sec. 13, T.40 N., R.4 W., Hinsdale County, Hydrologic Unit 13010001, on right bank 70 ft downstream from bridge, 500 ft upstream from Squaw Creek, 0.7 mi downstream from Rio Grande Reservoir, and 20 mi southwest of Creede.

**DRAINAGE AREA AND PERIOD OF RECORD.**--163 mi<sup>2</sup>. June 1909 to Sep. 1923, May 1925 to current year. No winter records 1910, 1926. Monthly data only for some periods.

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and metal well. Elevation of gage is 9,300 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for Nov. 1, 2000 to March 28,2001, when the station was closed for the winter, Oct. 31, 2000 and March 29-31, April 1-18, 2001, when the station was isolated for periods during the day. Record good except for periods of no gage-height record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--RIOMILCO12 USED FROM 01-OCT-2000 TO 30-SEP-2001

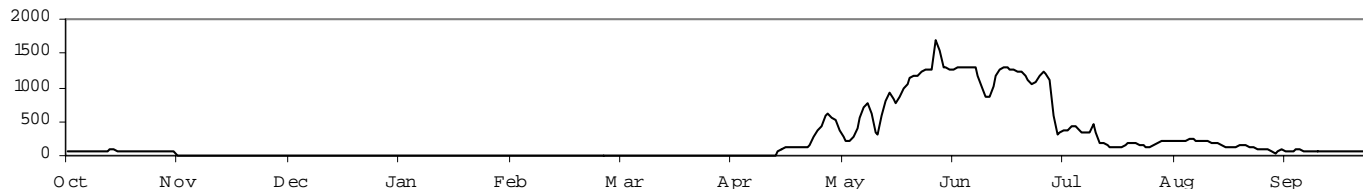
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	1.9	2.7	3.1	3.4	3.7	4.1	596	1700	1220	141	83
2	47	1.9	2.7	3.1	3.4	3.7	4.1	621	1550	1190	192	83
3	47	1.9	2.7	3.1	3.4	3.7	4.2	550	1290	1110	212	74
4	48	2	2.8	3.1	3.4	3.8	4.2	518	1290	577	212	38
5	47	2	2.8	3.1	3.5	3.8	4.2	380	1260	319	212	56
6	47	2	2.8	3.2	3.5	3.8	4.2	267	1270	341	212	77
7	47	2.1	2.8	3.2	3.5	3.8	4.3	215	1290	360	212	72
8	47	2.1	2.8	3.2	3.5	3.8	4.3	225	1290	365	212	72
9	47	2.1	2.8	3.2	3.5	3.8	4.3	282	1280	419	212	75
10	47	2.1	2.8	3.2	3.5	3.8	4.3	390	1290	441	226	78
11	58	2.2	2.8	3.2	3.5	3.8	4.4	551	1290	397	259	78
12	74	2.2	2.9	3.2	3.5	3.9	4.4	699	1290	352	241	76
13	87	2.2	2.9	3.2	3.5	3.9	4.4	781	1160	330	207	67
14	78	2.2	2.9	3.2	3.5	3.9	4.4	625	1030	332	204	65
15	70	2.3	2.9	3.2	3.6	3.9	4.5	352	874	451	206	59
16	70	2.3	2.9	3.3	3.6	3.9	4.5	301	871	331	206	59
17	70	2.3	2.9	3.3	3.6	3.9	4.5	594	1020	188	199	57
18	70	2.4	2.9	3.3	3.6	3.9	58	793	1160	180	195	54
19	70	2.4	2.9	3.3	3.6	3.9	106	917	1270	152	170	52
20	70	2.4	3	3.3	3.6	4	115	834	1290	127	140	50
21	70	2.4	3	3.3	3.6	4	127	758	1280	117	128	50
22	70	2.5	3	3.3	3.6	4	134	848	1260	126	131	52
23	71	2.5	3	3.3	3.6	4	134	986	1270	134	132	52
24	74	2.5	3	3.3	3.7	4	125	1060	1220	148	133	52
25	73	2.6	3	3.3	3.7	4	117	1140	1240	173	141	52
26	73	2.6	3	3.4	3.7	4	117	1160	1180	180	147	52
27	73	2.6	3	3.4	3.7	4	148	1160	1110	171	139	52
28	74	2.6	3.1	3.4	3.7	4.1	283	1220	1040	167	134	52
29	73	2.7	3.1	3.4	---	4.1	366	1260	1070	151	124	52
30	73	2.7	3.1	3.4	---	4.1	430	1260	1170	127	103	52
31	65	---	3.1	3.4	---	4.1	---	1260	---	121	87	---
TOTAL	1977	68.7	90.1	100.9	99.5	121.1	2333.3	22603	36605	10797	5469	1843
MEAN	64	2.3	2.9	3.3	3.5	3.9	77.8	729	1220	348	176	61
AC-FT	3920	136	179	200	197	240	4630	44830	72610	21420	10850	3660
MAX	87	2.7	3.1	3.4	3.7	4.1	430	1260	1700	1220	259	83
MIN	47	1.9	2.7	3.1	3.4	3.7	4.1	215	871	117	87	38

CAL YR	2000	TOTAL	47056.3	MEAN	129	MAX	1560	MIN	1.9	AC-FT	93340
WTR YR	2001	TOTAL	82107.6	MEAN	225	MAX	1700	MIN	1.9	AC-FT	162900

MAX DISCH: 2080 CFS AT 10:30 ON Jun. 1, 2001 GH 4.32 FT. SHIFT 0.05 FT.  
MAX GH: 4.32 FT. AT 10:30 ON Jun. 1, 2001

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





RIO GRANDE BASIN

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO

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

**DRAINAGE AREA.**--51.7 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite monitoring in a 4'x4' timber shelter and concrete well at a concrete trapezoidal section 12' wide at the base and 20' wide at the top. Elevation of gage is 10,200 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for Nov. 1, 2000 through May 10, 2001, when the station was closed for the winter. Record is fair to good except for periods of no gage-height record which is poor. Station maintained and record developed by Div. III Hydrographic staff.

**RATING TABLE.**--NCLCONCO20 USED FROM 01-OCT-2000 TO 30-SEP-2001

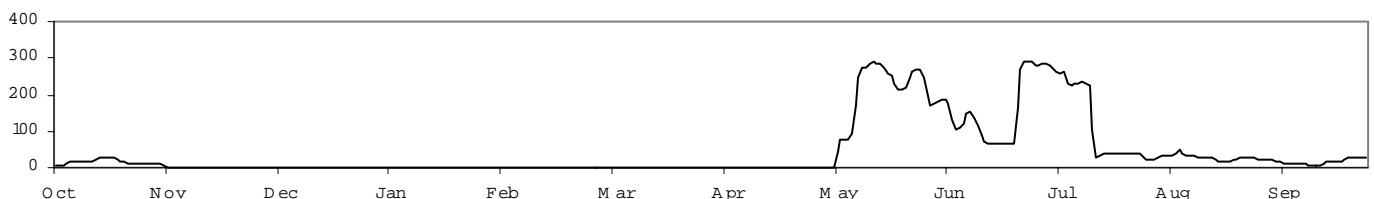
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	.24	.28	.3	.33	.35	.37	.43	170	281	21	24
2	8.2	.24	.28	.3	.33	.35	.37	.73	176	285	20	24
3	8.2	.24	.28	.3	.33	.35	.37	.44	180	284	26	24
4	12	.24	.28	.3	.33	.35	.38	.45	186	278	32	21
5	14	.25	.28	.3	.33	.35	.38	.45	186	270	32	18
6	14	.25	.28	.31	.33	.35	.38	45	175	264	32	15
7	14	.25	.28	.31	.33	.35	.38	77	130	259	33	13
8	14	.25	.29	.31	.34	.36	.38	77	104	261	41	13
9	14	.25	.29	.31	.34	.36	.38	77	109	231	47	13
10	14	.25	.29	.31	.34	.36	.39	93	121	222	40	13
11	15	.25	.29	.31	.34	.36	.39	168	148	230	35	13
12	22	.26	.29	.31	.34	.36	.39	244	156	230	35	13
13	26	.26	.29	.31	.34	.36	.39	273	138	233	31	9.6
14	25	.26	.29	.31	.34	.36	.39	272	113	231	28	7.3
15	25	.26	.29	.31	.34	.36	.39	284	87	225	28	7.3
16	25	.26	.29	.32	.34	.36	.4	288	70	103	28	7.3
17	25	.26	.29	.32	.34	.36	.4	287	64	26	29	7.3
18	21	.26	.29	.32	.34	.36	.4	285	64	35	26	9.9
19	19	.26	.29	.32	.34	.36	.4	275	64	39	22	14
20	17	.27	.29	.32	.34	.36	.4	259	64	39	19	14
21	13	.27	.29	.32	.34	.36	.4	253	64	39	19	16
22	13	.27	.29	.32	.35	.36	.41	231	64	37	19	16
23	13	.27	.29	.32	.35	.36	.41	214	64	36	19	16
24	13	.27	.3	.32	.35	.37	.41	215	64	37	20	24
25	13	.27	.3	.32	.35	.37	.41	220	166	37	23	29
26	13	.27	.3	.33	.35	.37	.41	247	267	38	25	29
27	13	.28	.3	.33	.35	.37	.41	264	290	41	25	30
28	13	.28	.3	.33	.35	.37	.42	269	292	40	25	30
29	13	.28	.3	.33	---	.37	.42	266	289	37	25	29
30	13	.28	.3	.33	---	.37	.42	247	278	29	25	29
31	7	---	.3	.33	---	.37	---	197	---	23	24	---
TOTAL	477.6	7.8	9	9.78	9.52	11.17	11.85	5629.5	4343	4420	854	528.7
MEAN	15.4	.26	.29	.32	.34	.36	.39	182	145	143	28	17.6
AC-FT	947	15	18	19	19	22	24	11170	8610	8770	1690	1050
MAX	26	.28	.3	.33	.35	.37	.42	288	292	285	47	30
MIN	7	.24	.28	.3	.33	.35	.37	.43	64	23	19	7.3

CAL YR 2000	TOTAL	10527.11	MEAN	28.8	MAX	287	MIN	0.15	AC-FT	20880
WTR YR 2001	TOTAL	16311.92	MEAN	44.7	MAX	292	MIN	0.24	AC-FT	32350

MAX DISCH: 297 CFS AT 12:15 ON Jun. 28, 2001 GH 2.61 FT. SHIFT 0.01 FT.  
MAX GH: 2.61 FT. AT 12:15 ON Jun. 28, 2001

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



RIO GRANDE BASIN

08217500 RIO GRANDE RIVER at WAGONWHEEL GAP, CO.

**LOCATION.**--Lat 37°46'01", long 106°49'51", in NW1/4 NE1/4 sec. 35, T. 41N, R. 1E., Mineral County, Hydrologic unit 13010001, on left bank 40 ft. downstream from private bridge, 0.3 mi. upstream from Goose Creek, and 0.3 mi. west of town of Wagonwheel Gap.

**DRAINAGE AREA.**--780 mi<sup>2</sup>.

**GAGE.**--Graphical water-stage recorder and Sutron Satellite monitoring system in a four ft. by four ft. wooden shelter and 48" circular concrete well. Recorders are set by tape and weight from an adjustable reference point in edge of shelf. Well is connected to the river by 3 two inch intake pipes equipped with flush pipes and gate valves. Altitude of gage 8,430 ft. from topographic map. A cableway is located approximately 350 ft. upstream of the gage.

**REMARKS.**--USGS data from their old station was used October 1-26, 2000. Data from our new station was used after that time. Record is complete and reliable except for November 18, 19, 2000, when the well was frozen; November 28, 2000 through April 5, 2001, when the station was closed for the winter; and April 6-10, 2001, when the inlets were frozen. Stage-discharge relation affected by ice November 20-27, 2000. Record is good except for periods of ice affected and no gage height record which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--RIOWAGCO03 USED FROM 01-OCT-2000 TO 27-OCT-2000  
 RIOWAGCO04 USED FROM 27-OCT-2000 TO 30-SEP-2001

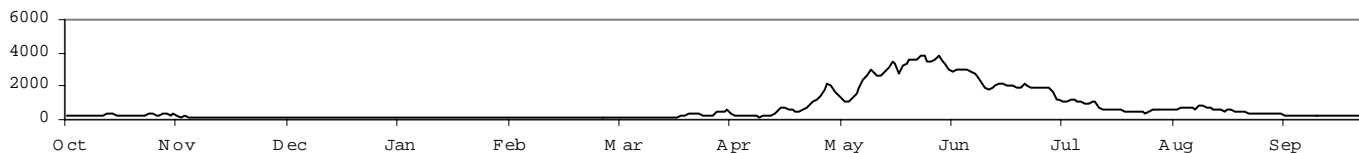
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	241	125	115	80	115	430	1800	3550	1950	546	391
2	196	166	120	110	80	120	480	2170	3900	1980	629	368
3	190	181	120	110	80	130	510	2030	3500	1960	608	358
4	193	173	110	110	85	135	570	1730	3330	1710	620	333
5	217	166	110	110	90	135	420	1500	3010	1170	582	337
6	213	138	110	110	95	130	280	1170	2940	1150	615	301
7	207	108	110	95	90	130	280	1100	3050	1140	640	297
8	217	116	120	95	80	130	230	1110	2970	1140	646	279
9	234	142	120	100	85	125	230	1310	3020	1160	686	275
10	227	147	110	95	100	125	215	1510	3020	1170	689	275
11	249	145	110	95	90	130	190	1880	2900	1100	682	273
12	334	108	115	105	100	130	182	2440	2800	1030	661	275
13	343	113	120	100	100	135	172	2700	2600	989	641	269
14	317	117	115	100	95	130	187	3050	2260	982	847	282
15	294	145	100	90	95	130	206	2820	1980	1030	829	263
16	284	122	100	80	100	135	273	2640	1820	1090	746	258
17	276	125	95	80	110	130	360	2620	1930	700	704	261
18	276	130	100	80	110	130	508	2890	2080	650	649	272
19	266	130	110	85	110	130	750	3150	2150	636	621	257
20	260	135	105	85	110	150	738	3460	2140	633	574	249
21	257	150	120	85	120	180	637	3340	2080	603	535	245
22	253	150	120	95	120	220	582	2800	2050	618	542	244
23	274	145	115	85	110	280	520	3190	2010	588	564	245
24	326	135	125	95	105	380	528	3410	1970	493	522	240
25	308	135	120	85	100	400	571	3600	1970	504	496	245
26	284	140	110	95	110	370	711	3630	2130	501	494	252
27	284	140	110	95	110	340	861	3600	2100	492	471	250
28	321	140	120	95	115	300	1050	3900	1980	471	414	249
29	316	140	120	90	---	250	1260	3800	1920	444	408	247
30	297	135	125	80	---	250	1490	3440	1950	411	392	246
31	301	---	115	80	---	300	---	3450	---	438	387	---
TOTAL	8221	4258	3525	2930	2775	5875	15421	81240	75110	28933	18440	8336
MEAN	265	142	114	95	99	190	514	2621	2504	933	595	278
AC-FT	16310	8450	6990	5810	5500	11650	30590	161100	149000	57390	36580	16530
MAX	343	241	125	115	120	400	1490	3900	3900	1980	847	391
MIN	190	108	95	80	80	115	172	1100	1820	411	387	240

CAL YR 2000 TOTAL MEAN MAX MIN AC-FT  
 WTR YR 2001 TOTAL 255064 MEAN 699 MAX 3900 MIN 80 AC-FT 505900

MAX DISCH: 4240 CFS AT 05:30 ON Jun. 2, 2001 GH 4.83 FT. SHIFT 0.01 FT.  
 MAX GH: 4.83 FT. AT 05:30 ON Jun. 2, 2001

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



RIO GRANDE BASIN

08218500 GOOSE CREEK AT WAGONWHEEL GAP, CO

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

**DRAINAGE AREA.**--90 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder in a corrugated metal shelter and well with supplemental outside chain gage. Elevation of gage is 8,460 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 9, 2000 through Apr. 5, 2001, when station was closed for the winter; Apr. 7, 2001 when the well was frozen; and Apr. 9,10,12-27, 2001, when there was missing chart data. Stage-discharge relation affected by ice Nov. 7, 8, 2000. Record is good except for periods of no gage height, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

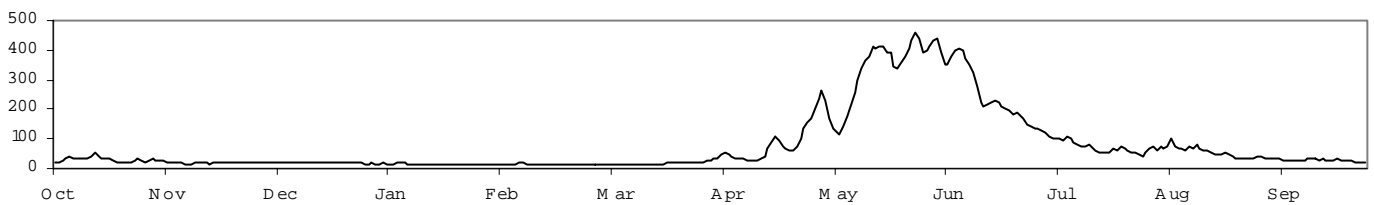
**RATING TABLE.**--GOOWAGCO09 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	21	19	15	12	13	29	236	415	133	69	39
2	22	20	19	15	14	13	31	264	430	128	72	35
3	25	23	19	16	16	13	34	232	440	123	63	35
4	31	22	19	17	16	13	45	172	395	108	75	32
5	39	21	21	17	16	14	52	138	354	103	68	32
6	34	15	21	17	16	15	46	121	348	103	76	32
7	31	15	20	16	18	15	40	116	381	99	100	29
8	32	16	21	15	17	15	34	144	400	97	72	29
9	37	18	21	15	15	15	31	178	405	106	68	28
10	35	21	20	16	13	15	31	215	400	99	65	28
11	41	20	19	15	16	15	29	257	372	85	63	28
12	54	18	19	15	15	15	28	300	350	79	76	28
13	42	16	17	15	16	15	25	336	323	77	68	28
14	36	17	19	14	16	15	26	363	276	77	81	34
15	35	19	19	14	13	15	31	376	225	81	70	31
16	34	17	18	14	13	15	39	410	208	73	61	31
17	24	17	18	12	14	15	66	405	215	63	59	30
18	22	18	17	12	16	15	85	410	222	57	54	34
19	22	20	17	12	16	16	108	415	229	56	49	29
20	21	20	18	14	16	18	94	395	222	54	48	29
21	21	20	17	14	16	18	76	390	211	57	49	29
22	21	21	18	15	16	18	70	345	201	66	51	31
23	26	21	17	16	16	19	61	340	194	64	49	30
24	31	20	17	15	15	19	61	358	184	72	40	29
25	28	20	17	15	15	19	77	381	187	66	36	26
26	22	20	15	15	15	19	99	405	181	59	35	24
27	24	22	16	16	15	19	138	430	172	56	32	23
28	31	21	17	16	15	19	155	457	152	51	34	23
29	30	21	16	16	---	19	172	440	144	45	36	23
30	25	22	16	14	---	21	200	390	138	43	36	23
31	26	---	17	12	---	24	---	400	---	52	39	---
TOTAL	923	582	564	460	427	509	2013	9819	8374	2432	1794	882
MEAN	30	19	18	15	15	16	67	317	279	79	58	29
AC-FT	1830	1150	1120	912	847	1010	3990	19480	16610	4820	3560	1750
MAX	54	23	21	17	18	24	200	457	440	133	100	39
MIN	21	15	15	12	12	13	25	116	138	43	32	23
CAL YR 2000	TOTAL	13232	MEAN	36.2	MAX	169	MIN	12	AC-FT	26250		
WTR YR 2001	TOTAL	28779	MEAN	78.8	MAX	457	MIN	12	AC-FT	57080		

MAX DISCH: 495 CFS AT 01:00 ON May. 28, 2001 GH 3.9 FT. SHIFT 0 FT.  
MAX GH: 3.9 FT. AT 01:00 ON May. 28, 2001

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



RIO GRANDE BASIN

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--216 mi<sup>2</sup>. Station established May 17, 1909 at different site with minimal records. Non-recording to 1910 when water-stage recorder installed. Moved to current site in May 1936.

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and metal pipe well. Datum of gage is 8,221.79 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for Dec. 7, 2000 through March 26,2001, when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 7 through Dec. 6, 2000, and March 27-31,2001. Record is good except for periods of no gage-height record and ice effect, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--RIOSFKCO9 USED FROM 01-OCT-2000 TO 30-SEP-2001

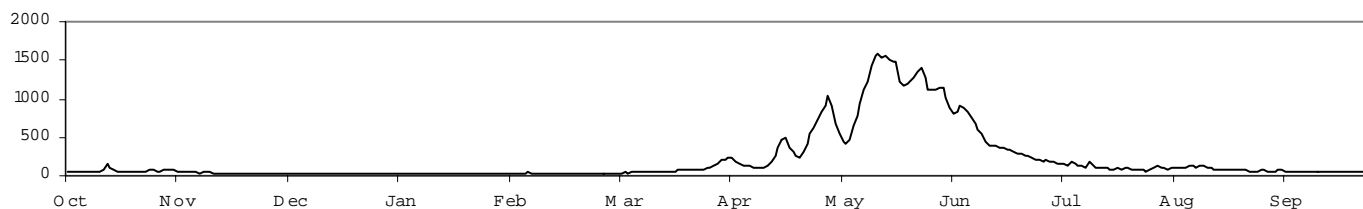
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	56	32	31	27	32	157	916	1110	191	110	70
2	44	49	32	31	32	32	203	1030	1130	196	135	63
3	41	49	32	33	35	33	218	905	1130	189	97	61
4	41	47	31	34	34	33	232	688	1010	169	101	63
5	56	48	33	34	33	35	225	539	871	158	88	75
6	48	39	35	34	34	39	189	441	813	159	92	73
7	45	37	34	33	39	38	158	409	841	143	100	64
8	46	41	35	30	38	41	140	474	904	137	99	51
9	50	45	35	29	35	40	123	637	891	180	106	50
10	48	46	35	33	31	40	123	783	844	158	101	50
11	75	37	33	30	34	39	110	934	766	135	136	55
12	160	28	32	30	33	39	104	1110	686	119	129	54
13	111	26	29	29	33	39	99	1220	610	107	108	52
14	72	27	33	27	33	39	105	1430	541	179	118	52
15	62	29	33	27	29	39	126	1560	451	125	117	51
16	60	27	32	28	30	41	174	1580	400	115	106	50
17	60	27	31	27	32	40	252	1540	384	107	96	49
18	59	27	29	26	35	43	374	1560	380	100	88	53
19	59	30	28	27	35	52	470	1510	371	93	80	50
20	58	30	32	29	35	60	486	1470	360	89	76	48
21	56	30	30	28	35	68	376	1470	343	85	75	47
22	56	34	32	29	35	72	307	1220	325	96	78	45
23	60	33	32	32	35	72	249	1170	307	89	77	44
24	76	31	32	30	33	76	245	1200	291	107	72	43
25	73	32	32	31	33	76	307	1220	278	99	74	43
26	60	32	30	29	34	76	428	1260	271	88	73	42
27	61	34	30	32	35	80	540	1350	264	85	65	42
28	78	34	32	33	34	88	629	1390	228	77	61	42
29	85	33	31	31	---	96	740	1270	212	68	61	42
30	86	35	32	28	---	105	840	1120	200	64	60	42
31	88	---	33	26	---	135	---	1110	---	76	77	---
TOTAL	2020	1073	992	931	941	1738	8729	34516	17212	3783	2856	1566
MEAN	65	36	32	30	34	56	291	1113	574	122	92	52
AC-FT	4010	2130	1970	1850	1870	3450	17310	68460	34140	7500	5660	3110
MAX	160	56	35	34	39	135	840	1580	1130	196	136	75
MIN	41	26	28	26	27	32	99	409	200	64	60	42

CAL YR	2000	TOTAL	35616	MEAN	97.6	MAX	676	MIN	26	AC-FT	70640
WTR YR	2001	TOTAL	76357	MEAN	209	MAX	1580	MIN	26	AC-FT	151500

MAX DISCH: 1770 CFS AT 00:30 ON May. 16, 2001 GH 5.26 FT. SHIFT 0.11 FT.  
MAX GH: 5.26 FT. AT 00:30 ON May. 16, 2001

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



RIO GRANDE BASIN

08220000 RIO GRANDE RIVER NEAR DEL NORTE, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--1,320 mi<sup>2</sup>. Measurements and staff gages with frequent readings begun in June of 1889. Various sites used until present site established in Nov. 1910, with a recorder installed in 1934. All missing periods have been estimated and discharge records are complete from July 1, 1889.

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

**REMARKS.**--Record is complete and reliable except for January 11 through February 1, 2001, when the inlets were frozen. Stage-discharge relation affected by ice Nov. 8, 12-30, Dec. 1-13, 17-19, 21, 24, 26-31, 2000; January 1-10, February 2-28, and March 1-11, 2001. Record is good except for periods of ice affected and no gage height record which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

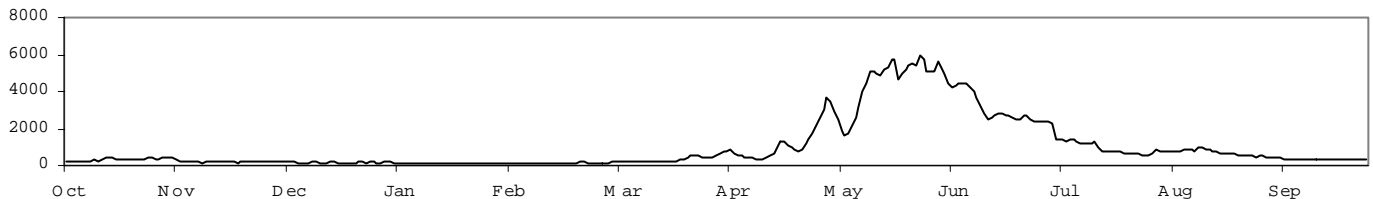
**RATING TABLE.**--RIODELCO03 USED FROM 01-OCT-2000 TO 01-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	356	180	160	120	160	518	2990	5090	2360	665	494
2	234	261	170	160	120	160	698	3670	5600	2410	813	462
3	229	236	165	160	130	170	752	3470	5200	2380	771	443
4	233	246	165	160	130	180	805	2880	4930	2220	780	413
5	260	234	160	160	130	190	856	2480	4420	1450	746	424
6	255	205	160	160	140	195	677	1830	4200	1400	733	392
7	238	167	160	160	150	190	506	1650	4370	1370	808	377
8	246	155	160	140	140	195	487	1690	4400	1350	789	341
9	278	191	170	140	130	195	425	2140	4470	1410	807	331
10	268	214	170	150	130	190	427	2600	4440	1450	822	327
11	287	227	160	140	150	190	400	3160	4210	1330	863	334
12	449	175	160	140	140	195	373	3990	4010	1220	834	331
13	462	170	160	150	150	193	356	4440	3700	1160	784	333
14	400	180	169	140	150	203	368	5110	3270	1220	949	348
15	358	200	163	140	140	195	399	5090	2850	1200	995	341
16	336	190	146	130	140	194	487	5000	2480	1310	900	317
17	335	190	145	120	150	202	631	4830	2550	943	841	317
18	320	160	140	120	160	197	864	5210	2740	801	776	328
19	317	170	145	120	160	202	1270	5340	2810	766	737	321
20	320	170	159	130	160	217	1340	5680	2820	751	689	305
21	300	180	150	130	160	249	1120	5720	2750	718	649	290
22	295	200	165	130	170	290	983	4620	2670	758	645	290
23	318	200	168	140	170	334	817	4930	2580	739	672	293
24	413	190	160	130	160	398	801	5180	2530	685	622	288
25	414	180	175	140	150	505	875	5400	2470	679	589	285
26	365	180	165	130	150	531	1140	5510	2690	643	579	294
27	351	190	155	140	160	500	1450	5450	2660	637	558	290
28	429	190	160	140	160	484	1720	5910	2490	601	504	289
29	452	190	165	140	---	444	2140	5710	2330	556	488	288
30	413	190	165	130	---	406	2560	5120	2360	519	473	286
31	421	---	175	120	---	430	---	5080	---	539	499	---
TOTAL	10241	5987	5010	4350	4100	8384	26245	131880	104090	35575	22380	10172
MEAN	330	200	162	140	146	270	875	4254	3470	1148	722	339
AC-FT	20310	11880	9940	8630	8130	16630	52060	261600	206500	70560	44390	20180
MAX	462	356	180	160	170	531	2560	5910	5600	2410	995	494
MIN	229	155	140	120	120	160	356	1650	2330	519	473	285
CAL YR 2000	TOTAL	197252	MEAN	539	MAX	3400	MIN	140	AC-FT	391200		
WTR YR 2001	TOTAL	368414	MEAN	1009	MAX	5910	MIN	120	AC-FT	730700		

MAX DISCH: 6210 CFS AT 04:45 ON May. 21, 2001 GH 4.89 FT. SHIFT -0.02 FT.  
MAX GH: 4.89 FT. AT 04:45 ON May. 21, 2001

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



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for Nov. 9, 2000 through Mar. 26, 2001, when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 2-4, 6-8, 2000, and Mar. 27-30, 2001. Record is good except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Staff.

**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-2000 TO 30-SEP-2001

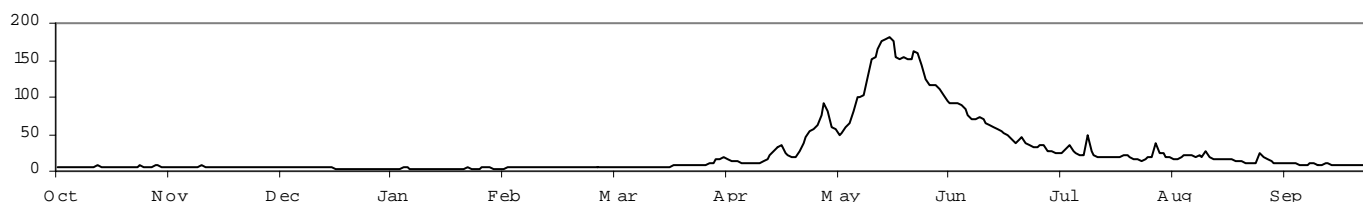
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	5.1	5	3.5	3.9	5	12	76	116	34	18	20
2	5.3	5.3	4.7	3.7	3.8	5	16	93	117	35	39	15
3	5	5.2	4.7	4	4.1	5.2	17	80	112	28	23	14
4	5.3	5	4.9	4	4.1	5.2	18	60	102	26	25	12
5	6.7	5.2	4.8	4.2	4.4	5.2	17	58	94	25	18	12
6	5.7	4.7	4.9	4.4	5	5.4	14	50	91	24	20	11
7	5	4.7	4.8	4	5.6	5.4	13	51	91	23	17	10
8	5.1	4.7	4.8	3.8	5.4	5.4	13	59	93	30	16	10
9	5.5	6	5	3.7	5	5	12	64	89	34	18	10
10	5.5	7	4.8	4	4.5	5	12	82	83	28	21	9.7
11	5.8	6.6	4.8	3.9	4.8	4.8	11	99	75	23	21	9.2
12	7.1	5.8	4.5	3.7	4.8	4.8	11	101	69	21	21	8.9
13	6.1	5	4.2	3.9	4.8	4.7	11	104	71	22	18	9
14	5.3	5	4.6	3.7	5.2	4.7	12	128	73	50	22	10
15	5.1	5.2	4.6	3.7	5	4.7	13	151	69	26	18	9.7
16	5.3	4.8	4.3	3.4	5.2	4.8	16	155	65	22	27	8.7
17	5.1	4.8	4	3.4	5.4	4.7	21	166	63	19	19	9.1
18	5.1	4.6	4	3.4	5.4	4.6	27	176	60	18	17	11
19	5.1	4.7	3.7	3.4	5.4	5	33	178	58	18	15	9.5
20	5.1	4.7	4	3.6	5.8	6	34	180	54	19	15	8.4
21	5	5	3.7	4	6.2	8	25	177	52	19	16	8.3
22	5.2	5.2	3.7	3.9	6.4	8	21	154	48	18	16	7.8
23	6.2	5.2	4	4.2	6.4	7.8	18	152	42	18	15	7.8
24	6.8	5	3.8	4	6	8	19	154	39	22	14	7.4
25	5.8	5	3.5	4	5.6	8	26	152	43	22	13	7.3
26	4.8	5	3.3	4	5.2	8	37	151	46	18	14	7.1
27	5.3	5.2	3.5	4.6	5.4	8	46	161	38	16	12	7.1
28	8.1	5	3.5	4.3	5.4	8	54	160	35	17	12	7.1
29	6.8	5	3.4	4.1	---	8	58	143	33	14	12	7
30	5.5	5.2	3.4	3.9	---	9	62	125	33	15	12	7.1
31	5.7	---	3.4	3.9	---	9.6	---	117	---	19	25	---
TOTAL	175.1	154.9	130.3	120.3	144.2	191	699	3757	2054	723	569	291.2
MEAN	5.7	5.2	4.2	3.9	5.2	6.2	23	121	69	23	18	9.7
AC-FT	347	307	258	239	286	379	1390	7450	4070	1430	1130	578
MAX	8.1	7	5	4.6	6.4	9.6	62	180	117	50	39	20
MIN	4.8	4.6	3.3	3.4	3.8	4.6	11	50	33	14	12	7

CAL YR 2000 TOTAL 4772.9 MEAN 13.0 MAX 104 MIN 3.0 AC-FT 9470  
WTR YR 2001 TOTAL 9009 MEAN 24.7 MAX 180 MIN 3.3 AC-FT 17870

MAX DISCH: 221 CFS AT 22:30 ON May. 19, 2001 GH 2.23 FT. SHIFT 0.01 FT.  
MAX GH: 2.23 FT. AT 22:30 ON May. 19, 2001

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



## RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO

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

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

**GAGE.**--Graphic water-stage recorder with satellite telemetry in 48" CMP shelter and well. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

**REMARKS.**--Record is complete and reliable except for Jan. 17 through Feb. 15, 2001, when the satellite data was 'flatlined', perhaps because of ice in the well or the float tape hanging up. Stage-discharge relation affected by ice Nov. 12-30, Dec. 1-15, 18-31, 2000, Jan. 1-16, Feb. 16 through Mar. 23, 2001. Record is good except for periods of no gage height and ice affected record, which should be considered poor. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--RIOMONCO17 USED FROM 01-OCT-2000 TO 30-SEP-2001

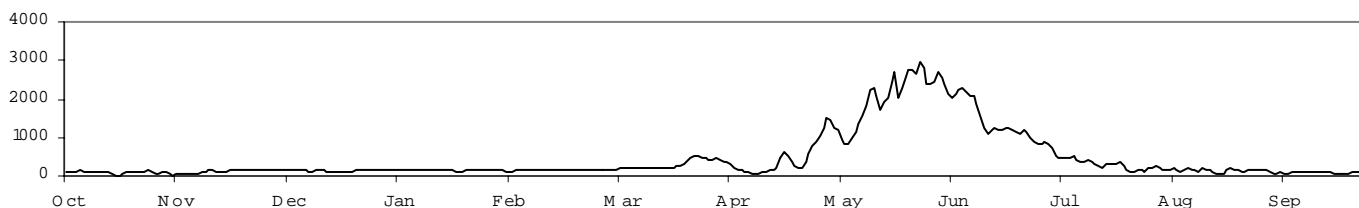
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	27	145	170	120	170	466	1230	2450	847	231	174
2	98	65	145	155	120	170	396	1530	2680	860	247	152
3	99	37	135	160	120	170	368	1440	2560	834	205	115
4	113	41	135	160	130	180	351	1270	2400	752	177	75
5	132	33	140	160	130	190	332	1180	2110	514	173	77
6	129	27	135	160	130	200	207	932	2010	477	179	88
7	95	66	130	160	140	210	179	813	2130	470	196	69
8	90	91	125	155	155	215	145	844	2210	461	136	76
9	106	120	120	140	145	215	122	985	2260	492	126	91
10	102	133	130	140	135	215	87	1150	2170	521	149	88
11	91	137	130	145	135	210	76	1340	2090	432	185	84
12	101	110	130	140	150	215	75	1580	2060	377	152	86
13	95	90	125	140	145	215	68	1800	1850	353	134	87
14	46	95	115	145	155	210	82	2230	1570	398	129	91
15	24	115	120	140	155	220	93	2300	1270	367	220	98
16	16	150	107	140	145	215	136	2060	1100	332	181	82
17	46	145	116	130	145	215	148	1720	1180	251	132	79
18	92	150	110	120	155	220	202	1920	1230	218	94	87
19	127	135	105	120	170	215	472	2030	1200	286	69	98
20	118	135	110	120	165	220	633	2440	1220	318	69	84
21	100	140	160	130	165	240	539	2720	1250	321	76	74
22	99	140	150	130	165	270	344	2010	1240	323	149	75
23	111	165	165	130	175	310	247	2290	1180	339	204	76
24	142	165	165	140	175	407	194	2610	1140	280	180	73
25	115	160	160	130	165	447	226	2740	1100	158	146	72
26	66	150	170	140	155	511	371	2730	1180	90	125	81
27	42	155	160	130	155	501	591	2650	1140	105	128	95
28	83	155	150	140	165	486	768	2960	1010	157	149	93
29	91	155	155	140	---	458	885	2810	883	132	172	94
30	26	150	160	135	---	412	1030	2390	848	122	178	93
31	23	---	160	130	---	416	---	2380	---	199	164	---
TOTAL	2717	3437	4263	4375	4165	8548	9833	59084	48721	11786	4855	2707
MEAN	88	115	138	141	149	276	328	1906	1624	380	157	90
AC-FT	5390	6820	8460	8680	8260	16950	19500	117200	96640	23380	9630	5370
MAX	142	165	170	170	175	511	1030	2960	2680	860	247	174
MIN	16	27	105	120	120	170	68	813	848	90	69	69

CAL YR 2000 TOTAL 80787 MEAN 221 MAX 1320 MIN 16 AC-FT 160200  
WTR YR 2001 TOTAL 164491 MEAN 451 MAX 2960 MIN 16 AC-FT 326300

MAX DISCH: 3250 CFS AT 12:00 ON May. 28, 2001 GH 6.7 FT. SHIFT -0.21 FT.  
MAX GH: 6.7 FT. AT 12:00 ON May. 28, 2001

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



RIO GRANDE BASIN

RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO

**LOCATION.**--Lat 37°34'13", Long 106°02'43", SW¼NW¼ sec.6, T. 38 N., R. 9 E., Alamosa County, on left bank 125 feet downstream from the county line bridge, 5.0 miles East of Monte Vista and 2.4 miles North of U.S. Highway 160 and 285, on the County Line Road.

**DRAINAGE AREA.**-- 1,640 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry in a timber shelter and corrugated metal well. Datum of gage is 7,595 feet, from topographic map.

**REMARKS.**--Record is complete and reliable except for Dec. 3-7, 12-19, 2000, when the well was frozen; Dec. 20, 2000 through Mar. 2, 2001, when the station was closed for the winter; and Mar. 21, Apr. 6, 2001, when there was missing satellite and chart data. Stage-discharge relation affected by ice Nov. 12-30, Dec. 1-2, 8-11, 2000, and Mar. 3-5, 12-13, 15-16, 2001. Record is good except for periods of no gage-height and ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--RIOLINCO06 USED FROM 01-OCT-2000 TO 30-SEP-2001

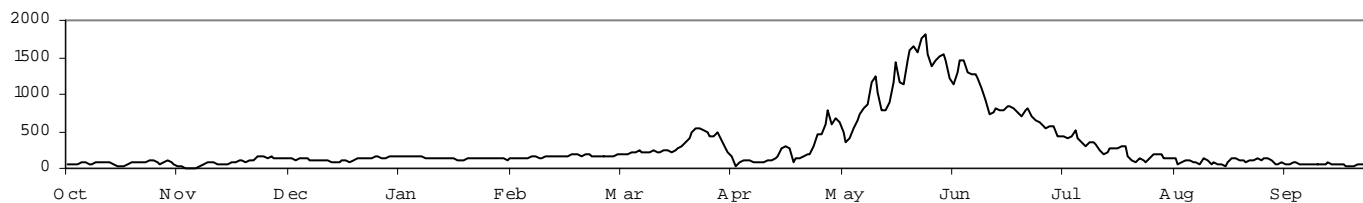
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	22	125	160	120	170	475	594	1450	570	184	131
2	55	20	130	150	125	175	372	779	1520	530	194	126
3	53	9.8	125	155	125	175	276	607	1540	563	179	105
4	66	4.2	120	155	135	185	223	677	1460	563	140	60
5	79	1.9	135	155	135	185	163	630	1210	442	142	50
6	89	2.6	130	160	135	188	30	498	1140	430	137	72
7	66	20	125	155	145	200	77	357	1290	424	145	43
8	60	49	110	150	160	206	98	399	1450	416	67	47
9	71	72	105	140	150	222	101	535	1460	436	72	68
10	78	75	105	140	145	233	105	644	1310	501	108	68
11	69	87	105	140	145	229	89	743	1270	407	112	63
12	80	50	110	135	155	220	91	822	1260	340	82	65
13	81	45	100	135	150	220	83	856	1210	309	70	58
14	48	45	90	135	160	238	88	1160	1070	364	58	56
15	27	55	85	135	160	225	96	1240	911	360	137	64
16	14	90	85	135	155	220	121	1040	733	321	95	54
17	14	90	100	125	160	237	128	774	746	239	66	49
18	49	100	95	115	170	233	156	778	820	178	69	56
19	84	95	90	120	185	219	279	884	790	225	61	72
20	85	90	95	120	180	236	301	1150	795	262	41	57
21	69	105	130	130	180	275	263	1440	830	270	24	44
22	68	120	125	130	175	301	88	1170	832	265	81	44
23	74	150	135	130	185	339	126	1130	800	291	146	44
24	108	150	140	140	190	401	148	1470	751	288	141	38
25	101	150	135	130	175	475	154	1600	704	175	115	31
26	70	145	155	135	165	553	201	1650	793	101	96	40
27	54	150	155	130	165	544	197	1580	799	80	89	51
28	89	140	145	135	170	507	288	1750	693	132	104	53
29	114	140	145	135	---	486	464	1800	638	112	119	52
30	68	130	155	130	---	432	458	1540	612	77	134	59
31	49	---	155	125	---	424	---	1390	---	140	118	---
TOTAL	2089	2403.5	3740	4265	4400	8953	5739	31687	30887	9811	3326	1820
MEAN	67	80.1	121	138	157	289	191	1022	1030	316	107	61
AC-FT	4140	4770	7420	8460	8730	17760	11380	62850	61260	19460	6600	3610
MAX	114	150	155	160	190	553	475	1800	1540	570	194	131
MIN	14	1.9	85	115	120	170	30	357	612	77	24	31

CAL YR 2000 TOTAL 40339.2 MEAN 110 MAX 412 MIN 1.9 AC-FT 80010  
WTR YR 2001 TOTAL 109120.5 MEAN 299 MAX 1800 MIN 1.9 AC-FT 216400

MAX DISCH: 1930 CFS AT 20:00 ON May. 28, 2001 GH 6.31 FT. SHIFT 0.28 FT.  
MAX GH: 6.31 FT. AT 20:00 ON May. 28, 2001

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





RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO

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

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

**GAGE.**--Water-stage recorder with satellite telemetry and air temperature probe in a 4'x6' exposed aggregate building with a 4' diameter concrete well. Datum of gage is 7,532.66 ft.

**REMARKS.**--Record is complete and reliable except for Jan. 19 - Feb. 26, 2001, when the well was frozen. Stage-discharge relation was affected by ice Nov. 13 - Dec. 31, 2000, Jan. 1-18, Feb. 27 -Mar. 6, 2001. Record is good except for periods of no gage-height record, and ice affected record which are fair to poor. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--RIOALACO21 USED FROM 01-OCT-2000 TO 30-SEP-2001

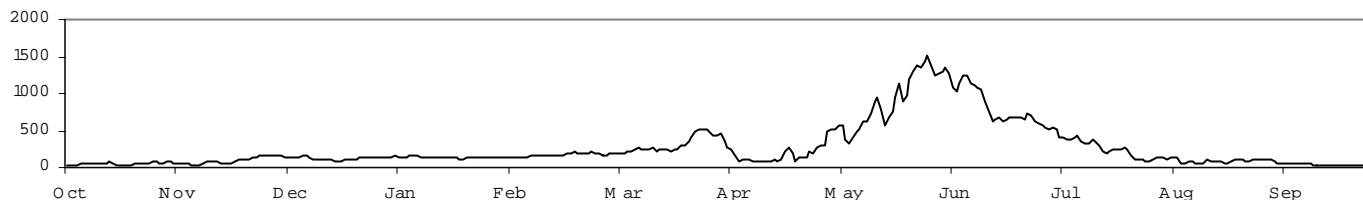
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	53	140	150	125	175	441	297	1250	577	112	110
2	30	49	130	145	125	180	466	477	1260	532	135	116
3	29	53	140	140	130	190	348	517	1300	512	148	109
4	32	42	145	145	135	185	282	516	1340	543	133	83
5	42	39	140	150	140	195	255	559	1270	503	118	60
6	53	37	155	150	140	200	166	559	1090	415	122	50
7	62	35	155	160	140	225	87	384	1030	396	147	51
8	53	44	145	145	150	221	106	319	1130	387	122	47
9	45	68	120	145	165	253	102	409	1230	379	61	43
10	50	77	115	145	160	259	100	497	1240	412	64	45
11	60	90	100	135	160	254	93	519	1140	427	71	48
12	53	94	100	135	160	234	89	610	1100	357	76	44
13	69	55	120	130	160	241	84	623	1090	316	67	43
14	59	60	105	125	165	262	76	733	1050	322	62	41
15	34	50	85	125	175	226	78	901	894	377	64	37
16	28	60	75	130	175	232	79	941	760	344	97	39
17	29	85	85	130	170	241	95	786	623	298	90	38
18	30	100	120	125	180	234	93	575	647	224	77	33
19	33	110	105	115	185	228	116	678	666	179	77	33
20	50	120	105	120	205	232	218	748	633	205	70	38
21	56	105	110	125	200	251	263	958	652	234	62	37
22	48	130	130	130	200	289	181	1130	663	234	57	34
23	50	135	125	130	190	303	90	897	680	246	81	32
24	62	160	125	130	200	351	131	986	681	272	121	33
25	87	160	140	140	205	400	139	1180	674	233	119	32
26	80	165	135	130	190	473	144	1300	660	155	105	33
27	59	165	140	135	180	519	205	1370	737	108	93	32
28	53	170	145	130	175	511	185	1360	705	97	89	31
29	71	150	135	135	---	503	269	1440	616	108	105	33
30	80	155	135	130	---	474	298	1520	599	92	112	33
31	52	---	145	125	---	438	---	1380	---	82	117	---
TOTAL	1565	2816	3850	4185	4685	8979	5279	25169	27410	9566	2974	1438
MEAN	51	94	124	135	167	290	176	812	914	309	96	48
AC-FT	3100	5590	7640	8300	9290	17810	10470	49920	54370	18970	5900	2850
MAX	87	170	155	160	205	519	466	1520	1340	577	148	116
MIN	26	35	75	115	125	175	76	297	599	82	57	31

CAL YR	2000	TOTAL	35288	MEAN	96.4	MAX	296	MIN	10	AC-FT	69990
WTR YR	2001	TOTAL	97916	MEAN	268	MAX	1520	MIN	26	AC-FT	194200

MAX DISCH: 1530 CFS AT 01:00 ON May. 30, 2001 GH 6.37 FT. SHIFT -0.87 FT.  
MAX GH: 6.37 FT. AT 01:00 ON May. 30, 2001

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



RIO GRANDE BASIN

CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO

RIO GRANDE COMPACT STATION

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

DRAINAGE AREA.--

GAGE.--Graphic water-stage recorders on H<sub>a</sub> and H<sub>b</sub> in 8x10 ft. building with concrete stilling wells and satellite telemetry at 12' Parshall flume.

REMARKS.--Record is complete and reliable except for October 26, 2000 when both the chart recorder and the satellite system were missing data. Record is good except for periods of no gage height record which should be considered fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CBPALACO01 USED FROM 01-OCT-2000 TO 01-OCT-2001

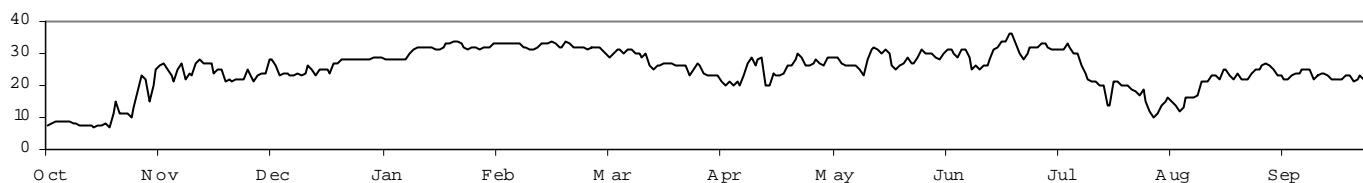
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	26	28	29	33	32	23	28	30	32	12	26
2	8	27	28	28	33	32	23	27	30	33	10	27
3	8.6	25	26	28	33	31	23	26	29	33	11	26
4	8.9	23	23	28	33	30	23	29	28	32	14	25
5	8.5	21	24	28	33	29	21	29	30	31	15	23
6	8.6	25	24	28	33	30	20	29	31	31	16	23
7	8.7	27	23	28	33	31	21	29	31	31	15	22
8	7.9	22	23	28	33	31	20	27	30	31	14	22
9	8.1	24	24	30	32	30	21	26	29	33	12	23
10	7.8	23	23	31	32	31	20	26	31	32	13	24
11	7.4	27	24	32	31	31	23	26	31	30	16	24
12	7.4	28	26	32	31	30	27	26	29	30	16	25
13	7.3	27	25	32	32	30	29	25	25	26	16	25
14	7.1	27	23	32	33	29	26	23	26	24	17	25
15	7.3	27	25	32	33	30	28	28	25	22	21	22
16	7.8	24	25	31	33	26	29	31	26	21	21	23
17	7.9	25	25	31	34	25	20	32	26	21	21	24
18	7	25	24	32	33	26	20	31	28	20	23	24
19	11	21	27	33	32	26	24	30	31	20	23	23
20	15	22	27	33	32	27	23	31	32	14	22	22
21	11	21	28	34	34	27	23	30	34	14	25	22
22	11	22	28	34	33	27	24	26	34	21	25	22
23	11	22	28	33	32	26	26	25	36	21	23	22
24	9.8	22	28	32	32	26	26	26	36	20	22	23
25	13	25	28	31	32	26	28	27	33	20	24	23
26	18	24	28	32	32	26	30	29	30	20	22	21
27	23	21	28	32	31	23	29	27	28	19	22	22
28	22	23	28	31	32	25	26	27	30	18	22	23
29	15	24	28	32	---	27	26	29	32	17	24	22
30	20	24	29	32	---	26	27	31	32	19	25	22
31	25	---	29	32	---	24	---	30	---	15	25	---
TOTAL	346.9	724	807	961	910	870	729	866	903	751	587	700
MEAN	11.2	24	26	31	33	28	24	28	30	24	19	23
AC-FT	688	1440	1600	1910	1800	1730	1450	1720	1790	1490	1160	1390
MAX	25	28	29	34	34	32	30	32	36	33	25	27
MIN	7	21	23	28	31	23	20	23	25	14	10	21

CAL YR	2000	TOTAL	8615.5	MEAN	23.5	MAX	37	MIN	6	AC-FT	17090
WTR YR	2001	TOTAL	9154.9	MEAN	25.1	MAX	36	MIN	7	AC-FT	18160

MAX DISCH: 36 CFS AT 08:15 ON Jun. 23, 2001 GH 0.87 FT. SHIFT -0.02 FT.  
MAX GH: 0.88 FT. AT 19:15 ON May. 4, 2001

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



## RIO GRANDE BASIN

## CLOSED BASIN IN SAN LUIS VALLEY

08224500 KERBER CREEK NEAR VILLA GROVE, CO

**LOCATION.**--Lat 38°14'28", long 106°06'57", in SW¼NW¼, sec. 17, T. 46 N., R. 8 E., Saguache County, on left bank 10 miles west of Villa Grove and 4.0 miles downstream from the town of Bonanza.

**DRAINAGE AREA AND PERIOD OF RECORD.**--38 mi<sup>2</sup>. (approx.) Originally established with staff gage only in 1911. Station at various locations from that time. Current location established in 1936.

**GAGE.**--Water stage recorder in a 42" CMP shelter and well. Altitude of gage is 8,840 ft. from topographic map.

**REMARKS.**--Record is mostly poor due to many missing record periods and periods when the gaging station was not operating properly. Record is complete and reliable except for Nov. 10 through Nov. 29, 2000, when the well was frozen; Nov. 30, 2000 through Apr. 17, 2001, when the station was closed for the winter; April 18-26, 2001, when the inlets were frozen; May 30, 31, Jun. 1-19, 22-30, Jul. 1-12, 2001, when the inlets were plugged. Stage-discharge relation was affected by ice Nov. 7-9, 2000. The gage height was not representative of the total flow on May 14-29, 2001, due to a portion of the flow bypassing the gaging station. The record for Water Year 2001 should be considered fair for periods of gage height data, and poor for all other periods. Station maintained and record developed by the Division III Hydrographic Staff.

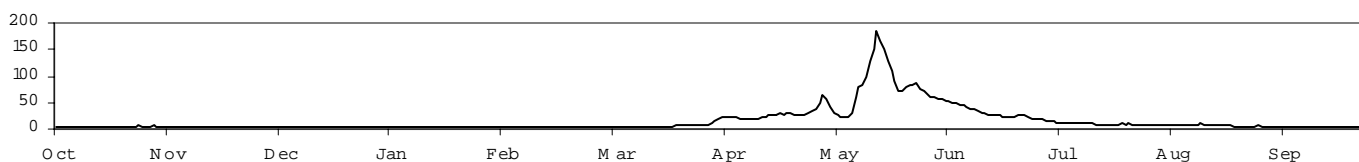
**RATING TABLE.**--KERVILCO16 USED FROM 01-OCT-2000 TO 05-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	3.2	2.6	2.3	2.4	2.9	10	48	62	18	7.4	5.5
2	2.5	3.9	2.5	2.4	2.4	2.9	15	64	60	17	6.5	4.9
3	2.5	4	2.5	2.5	2.6	3	19	57	58	16	7	4.3
4	3	4.3	2.5	2.5	2.8	3.2	21	42	56	15	6.6	4.1
5	3.2	4.1	2.5	2.6	2.7	3.3	23	30	54	14	6.9	4.3
6	3	2.8	2.6	2.6	2.7	3.6	23	26	52	13	8.6	4.6
7	3	3	2.6	2.5	2.8	3.7	23	24	50	12	7.8	4.3
8	3.2	2.9	2.6	2.4	2.8	3.6	23	24	48	12	7	4.1
9	3.5	2.9	2.6	2.5	2.6	3.5	20	24	46	11	7	3.7
10	3.2	2.9	2.6	2.8	2.5	3.5	20	30	44	11	8.8	3.7
11	3.2	3	2.5	2.7	2.6	3.3	20	59	41	10	8.6	3.2
12	3.2	2.8	2.5	2.5	2.6	3.3	20	78	38	10	6.2	3.2
13	3	2.7	2.4	2.7	2.7	3.5	20	82	36	13	5.9	3
14	2.3	2.6	2.4	2.6	2.7	3.3	20	100	34	12	9.1	3.2
15	2.3	2.7	2.5	2.3	2.7	3.3	22	130	32	12	12	3
16	2.4	2.6	2.5	2.3	2.7	3.3	23	150	30	9.5	9.1	3
17	2.4	2.6	2.4	2.2	2.7	3.5	25	186	28	8.2	7.4	3
18	2.5	2.6	2.4	2.3	2.9	3.4	26	165	26	7.8	7	2.7
19	2.5	2.7	2.2	2.3	2.9	4	28	150	25	8.2	6.6	2.5
20	2.7	2.8	2.6	2.4	2.9	5	30	130	25	8.6	6.2	2.3
21	3	2.7	2.4	2.5	3	5	28	110	24	7.4	6.2	2.1
22	3.2	2.8	2.4	2.4	3	6	29	90	22	7.4	5.9	2.1
23	4.6	2.8	2.4	2.6	3	6	29	70	23	7	5.9	2.3
24	6.2	2.7	2.4	2.5	3	6.2	27	72	21	9.5	5.5	2.4
25	4.3	2.7	2.5	2.6	2.9	6	27	80	25	8.6	5.2	2.7
26	3.5	2.6	2.4	2.5	3	6	27	82	26	10	5.2	3
27	3.5	2.7	2.4	2.6	3	6	28	84	25	8.2	4.7	2.7
28	5.9	2.7	2.5	2.7	3	5.8	31	86	21	7	4.6	2.7
29	4.9	2.7	2.3	2.6	---	6.4	33	75	20	7	4.9	2.7
30	4.3	2.6	2.4	2.5	---	6.4	37	72	19	6.3	5.2	3.2
31	4.3	---	2.5	2.4	---	7	---	66	---	7.8	7	---
TOTAL	103.8	88.1	76.6	77.3	77.6	135.9	727	2486	1071	324.5	212	98.5
MEAN	3.4	2.9	2.5	2.5	2.8	4.4	24	80	36	10.5	6.8	3.3
AC-FT	206	175	152	153	154	270	1440	4930	2120	644	421	195
MAX	6.2	4.3	2.6	2.8	3	7	37	186	62	18	12	5.5
MIN	2.3	2.6	2.2	2.2	2.4	2.9	10	24	19	6.3	4.6	2.1
CAL YR 2000	TOTAL	3465.0	MEAN	9.5	MAX	62	MIN	1.4	AC-FT	6870		
WTR YR 2001	TOTAL	5478.3	MEAN	15	MAX	186	MIN	2.1	AC-FT	10870		

MAX DISCH: 211 CFS AT 16:00 ON May. 17, 2001 GH 1.69e FT. SHIFT 0.3 FT.  
MAX GH: 1.69 FT. AT 16:00 ON May. 17, 2001

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



RIO GRANDE BASIN  
CLOSED BASIN IN SAN LUIS VALLEY  
GARNER CREEK near VILLA GROVE, CO

LOCATION.--Lat 38°10'27", long 105°48'29",

DRAINAGE AREA.--6.4 mi<sup>2</sup>.

GAGE.--2' Diameter CMP stilling well with steel box instrument shelter mounted on top at a 2' Parshall flume. Installed in 1999 water year with first reliable data on Mar. 21, 1999. Station equipped with satellite monitoring. Flume and staff gage there for several years previous. Elevation 8680 ft.

REMARKS.--Record is complete and reliable for the water year, except for November 16-20, 2000, and March 24 through April 12, 2001, when the well was frozen; and November 21, 2000 through March 23, 2001, when the station was closed for the winter. Record good, except during period of no gage-height record and ice affected record, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--GARVILCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

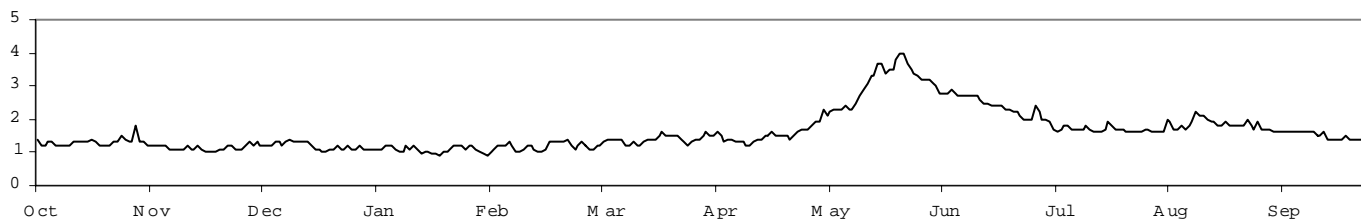
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.2	1.2	1.1	.9	1.1	1.5	1.8	3.2	2.4	1.7	1.7
2	1.2	1.2	1.2	1.1	1	1.1	1.6	1.9	3.2	2.2	1.6	1.7
3	1.2	1.2	1.2	1.1	1.1	1.2	1.5	1.9	3.1	2	1.6	1.7
4	1.3	1.2	1.2	1.2	1.2	1.2	1.5	2.3	3	2	1.6	1.6
5	1.3	1.2	1.3	1.2	1.2	1.3	1.6	2.1	2.8	1.9	1.6	1.6
6	1.2	1.1	1.3	1.2	1.2	1.4	1.5	2.2	2.8	1.7	2	1.6
7	1.2	1.1	1.2	1.1	1.3	1.4	1.3	2.3	2.8	1.6	1.9	1.6
8	1.2	1.1	1.3	1	1.2	1.4	1.4	2.3	2.9	1.7	1.7	1.6
9	1.2	1.1	1.4	1	1	1.4	1.4	2.3	2.8	1.8	1.7	1.6
10	1.2	1.1	1.3	1.2	1	1.4	1.3	2.4	2.7	1.8	1.8	1.6
11	1.3	1.2	1.3	1.1	1.1	1.2	1.3	2.3	2.7	1.7	1.7	1.6
12	1.3	1.1	1.3	1.2	1.2	1.2	1.3	2.3	2.7	1.7	1.8	1.6
13	1.3	1.1	1.3	1.1	1.2	1.3	1.2	2.5	2.7	1.7	1.9	1.6
14	1.3	1.2	1.3	.95	1.1	1.2	1.2	2.7	2.7	1.7	2.2	1.6
15	1.3	1.1	1.2	1	1	1.2	1.3	2.9	2.7	1.8	2.1	1.6
16	1.4	1	1.1	1	1	1.3	1.4	3.1	2.6	1.7	2.1	1.5
17	1.3	1	1.1	.95	1.1	1.4	1.4	3.3	2.5	1.6	2	1.5
18	1.2	1	1	.95	1.3	1.4	1.5	3.3	2.5	1.6	1.9	1.6
19	1.2	1	1	.9	1.3	1.4	1.5	3.7	2.4	1.6	1.9	1.4
20	1.2	1.1	1.1	1	1.3	1.5	1.6	3.7	2.4	1.7	1.8	1.4
21	1.2	1.1	1.1	1	1.3	1.6	1.5	3.4	2.4	1.9	1.8	1.4
22	1.3	1.2	1.2	1.1	1.3	1.5	1.5	3.5	2.4	1.8	1.9	1.4
23	1.3	1.2	1.1	1.2	1.4	1.5	1.5	3.5	2.3	1.7	1.8	1.4
24	1.5	1.1	1.1	1.2	1.2	1.5	1.5	3.8	2.3	1.7	1.8	1.5
25	1.4	1.1	1.2	1.2	1.1	1.5	1.4	4	2.2	1.7	1.8	1.4
26	1.3	1.1	1.1	1.1	1.2	1.4	1.5	4	2.2	1.6	1.8	1.4
27	1.3	1.2	1.1	1.2	1.3	1.3	1.6	3.7	2.1	1.6	1.8	1.4
28	1.8	1.3	1.2	1.2	1.2	1.2	1.7	3.5	2	1.6	2	1.4
29	1.3	1.2	1.1	1.1	---	1.3	1.7	3.4	2	1.6	1.8	1.4
30	1.3	1.3	1.1	1	---	1.4	1.7	3.3	2	1.6	1.7	1.4
31	1.2	---	1.1	.95	---	1.4	---	3.2	---	1.7	1.9	---
TOTAL	40.1	34.1	36.7	33.6	32.7	41.6	43.9	90.6	77.1	54.4	56.7	45.8
MEAN	1.3	1.1	1.2	1.08	1.17	1.3	1.5	2.9	2.6	1.8	1.8	1.5
AC-FT	80	68	73	67	65	83	87	180	153	108	112	91
MAX	1.8	1.3	1.4	1.2	1.4	1.6	1.7	4	3.2	2.4	2.2	1.7
MIN	1.2	1	1	.9	.9	1.1	1.2	1.8	2	1.6	1.6	1.4

CAL YR 2000 TOTAL 548 MEAN 1.50 MAX 2.7 MIN 0.90 AC-FT 1090  
WTR YR 2001 TOTAL 587.3 MEAN 1.61 MAX 4.0 MIN 0.90 AC-FT 1160

MAX DISCH: 4.5 CFS AT 18:00 ON Jul. 1, 2001 GH 0.72 FT. SHIFT -0.03 FT.  
MAX GH: 0.72 FT. AT 18:00 ON Jul. 1, 2001

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



RIO GRANDE BASIN  
CLOSED BASIN IN SAN LUIS VALLEY  
MAJOR CREEK near VILLA GROVE, CO

LOCATION.--Lat 38°09'26", long 105°48'32"

DRAINAGE AREA.--5.0 mi<sup>2</sup>.

GAGE.--Station established in water year 1999 with installation of 2' diameter CMP as stilling well with a steel equipment box mounted on top at a 2' Parshall flume. Flume already at the site. Satellite monitoring equipment installed Dec. 1998 but gage not operational till Mar. 21, 1999. Elevation of gage is 8410 ft.

REMARKS.--Record is complete and reliable except for November 14-20, 2000, March 24 through April 1, 2001, when the well was frozen; and November 21, 2000 through March 23, 2001, when the station was closed for the winter. Stage-discharge relation affected by ice November 12, 13, 2000. Record good, except for period of no gage heights and period of ice-effect, which are poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

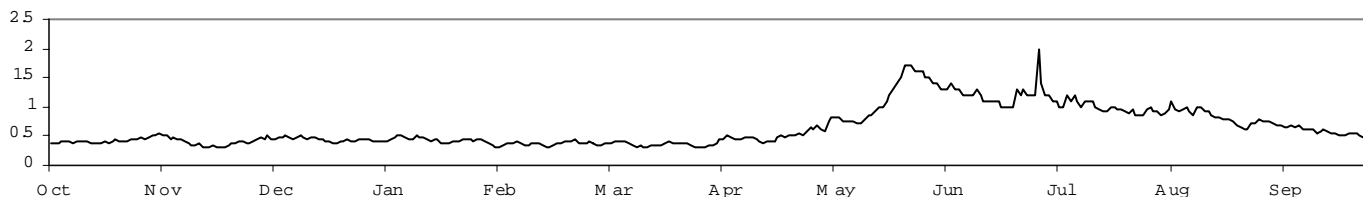
RATING TABLE.--MAJVILCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.39	.53	.46	.4	.3	.34	.35	.67	1.5	2	1	.77
2	.38	.51	.46	.42	.32	.34	.35	.63	1.4	1.4	.92	.75
3	.39	.44	.48	.44	.35	.36	.39	.59	1.4	1.2	.91	.76
4	.4	.47	.48	.48	.37	.36	.43	.76	1.3	1.2	.86	.71
5	.41	.45	.5	.5	.37	.39	.45	.82	1.3	1.1	.88	.7
6	.41	.45	.48	.5	.39	.41	.5	.82	1.3	1.1	.97	.67
7	.39	.41	.46	.48	.42	.41	.49	.81	1.4	1	1.1	.65
8	.42	.37	.48	.44	.38	.41	.46	.76	1.3	.98	.97	.64
9	.41	.33	.5	.46	.33	.41	.45	.76	1.3	1.2	.93	.67
10	.42	.34	.48	.5	.33	.39	.46	.77	1.2	1.1	.97	.66
11	.41	.38	.46	.47	.37	.34	.48	.77	1.2	1.2	1	.68
12	.38	.32	.48	.49	.37	.32	.48	.73	1.2	1.1	.92	.61
13	.38	.3	.48	.46	.37	.34	.48	.71	1.2	1	.86	.61
14	.38	.32	.46	.42	.35	.32	.46	.79	1.3	1.1	1	.63
15	.38	.34	.46	.44	.3	.3	.41	.84	1.2	1.1	1	.62
16	.4	.32	.42	.44	.32	.33	.37	.86	1.1	1.1	.94	.56
17	.39	.32	.42	.38	.34	.33	.42	.94	1.1	.99	.91	.57
18	.41	.32	.38	.38	.39	.33	.42	.99	1.1	.96	.87	.6
19	.44	.34	.38	.36	.39	.35	.42	1	1.1	.94	.83	.58
20	.42	.36	.42	.4	.41	.38	.48	1.1	1.1	.94	.81	.56
21	.42	.38	.42	.4	.41	.4	.5	1.2	1	1	.78	.54
22	.42	.42	.44	.42	.41	.38	.49	1.3	1	1	.78	.51
23	.43	.42	.42	.46	.43	.38	.51	1.4	1	.95	.8	.5
24	.45	.38	.42	.44	.38	.38	.51	1.5	1	.97	.75	.53
25	.45	.38	.46	.44	.36	.38	.51	1.7	1.3	.94	.69	.56
26	.47	.4	.44	.4	.38	.36	.54	1.7	1.2	.9	.65	.56
27	.43	.44	.44	.44	.4	.34	.51	1.7	1.3	.95	.63	.56
28	.48	.48	.44	.44	.38	.3	.59	1.6	1.2	.87	.62	.51
29	.5	.46	.4	.4	---	.3	.64	1.6	1.2	.85	.71	.48
30	.5	.5	.42	.36	---	.32	.61	1.6	1.2	.86	.72	.51
31	.56	---	.42	.33	---	.32	---	1.5	---	.95	.78	---
TOTAL	13.12	11.88	13.86	13.39	10.32	11.02	14.16	32.92	36.4	32.95	26.56	18.26
MEAN	.42	.4	.45	.43	.37	.36	.47	1.06	1.2	1.06	.86	.61
AC-FT	26	24	27	27	20	22	28	65	72	65	53	36
MAX	.56	.53	.5	.5	.43	.41	.64	1.7	1.5	2	1.1	.77
MIN	.38	.3	.38	.33	.3	.3	.35	.59	1	.85	.62	.48
CAL YR 2000	TOTAL	168.95	MEAN	0.46	MAX	0.85	MIN	0.21	AC-FT	335		
WTR YR 2001	TOTAL	234.84	MEAN	0.64	MAX	2.0	MIN	0.30	AC-FT	466		

MAX DISCH: 19.7 CFS AT 17:30 ON Jul. 1, 2001 GH 1.76 FT. SHIFT 0.03 FT.  
MAX GH: 1.76 FT. AT 17:30 ON Jul. 1, 2001

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



RIO GRANDE BASIN  
CLOSED BASIN IN SAN LUIS VALLEY  
COTTON CREEK near MINERAL HOT SPRINGS, CO

LOCATION.--Lat 38°07'55", long 105°47'15"

DRAINAGE AREA.--12.8 mi<sup>2</sup>.

GAGE.--This station established in water year 1999 with installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed Mar. 24, 1999. Strip chart recorder used as a backup added on Apr. 28, 1999. Elevation of gage is 8600 ft.

REMARKS.--Record is complete and reliable for the water year except November 14-21, 2000, when the well was frozen; and November 22, 2000 to April 13, 2001 when the station was closed for the winter. Stage-discharge relation affected by ice November 12, 13, 2000. Record good, except that for period of ice-effect record, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

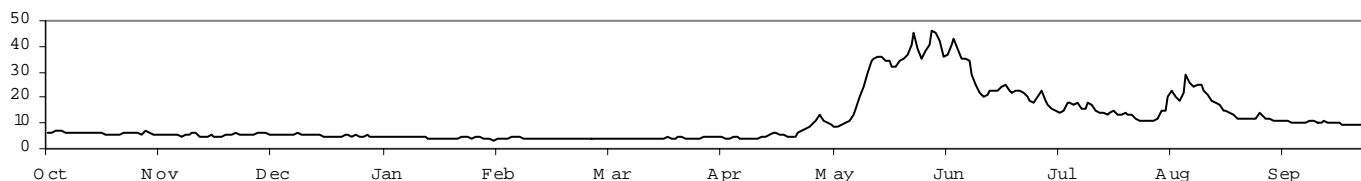
RATING TABLE.--COCRMICO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	5.5	5.6	4.6	3.4	3.6	4.6	11	41	20	11	13
2	6.4	5.6	5.4	4.8	3.6	3.6	4.6	13	46	23	11	12
3	7	5.6	5.4	4.8	4	3.8	4.6	11	45	19	12	12
4	6.7	5.5	5.4	5	4.2	3.8	4.8	10	42	17	15	11
5	6.9	5.8	5.6	5	4.2	4	4.8	9.3	36	16	15	11
6	6.4	5.3	5.8	5	4.4	4.2	4.2	8.5	37	15	20	11
7	6.3	4.9	5.6	4.8	4.6	4.2	4	8.6	41	14	23	11
8	6.5	5.4	5.8	4.4	4.4	4.2	4.4	9.4	43	15	20	11
9	6.5	5.8	6	4.4	3.8	4.2	4.4	10	39	18	19	10
10	6.3	6	5.8	4.8	3.8	4.2	4.2	11	35	18	22	10
11	6.2	6	5.6	4.6	4.2	3.8	3.9	13	35	17	29	10
12	6.3	5	5.6	4.8	4.2	3.8	3.9	16	34	18	26	9.9
13	6.2	4.8	5.6	4.4	4.2	4	4	20	29	16	24	10
14	6	5	5.4	4	4	3.8	4	24	25	16	25	11
15	6	5.4	5.4	4.2	3.6	3.6	4.1	30	22	18	25	11
16	5.9	5	5	4.2	3.6	4	4.5	34	20	17	23	10
17	5.6	5	5	3.8	3.8	4	5	35	21	15	21	10
18	5.7	5	4.6	3.8	4.1	3.8	5.7	36	23	14	19	11
19	5.8	5.2	4.6	3.6	4.2	3.8	6.3	36	23	14	18	10
20	5.8	5.6	5	3.8	4.2	4.2	6.1	34	23	13	17	9.9
21	5.8	5.6	5	3.8	4.2	4.4	5.4	34	24	14	15	9.8
22	6	6	5.4	4	4	4.2	5.2	32	25	15	15	9.9
23	6.1	5.8	5.2	4.6	4.2	4.2	4.9	32	23	13	14	9.6
24	6.4	5.4	5	4.6	3.8	4.4	4.8	34	22	13	13	9.7
25	6.2	5.4	5.4	4.6	3.8	4.4	5	35	23	14	12	9.7
26	5.9	5.4	5	4.2	4	4.2	5.9	37	23	13	12	9.2
27	5.8	5.8	5	4.6	4.2	4	7	41	22	13	12	9.2
28	6.7	6	5.2	4.6	4	3.8	7.8	45	20	12	12	9.1
29	6.1	6	4.8	4.2	---	4	8.8	39	19	11	12	9.2
30	5.8	6.2	4.8	3.8	---	4.2	10	35	18	11	12	9.5
31	5.7	---	4.8	3.6	---	4.6	---	38	---	11	14	---
TOTAL	191.6	165	163.8	135.4	112.7	125	156.9	781.8	879	473	538	309.7
MEAN	6.2	5.5	5.3	4.4	4	4	5.2	25.2	29	15	17	10.3
AC-FT	380	327	325	269	224	248	311	1550	1740	938	1070	614
MAX	7	6.2	6	5	4.6	4.6	10	45	46	23	29	13
MIN	5.6	4.8	4.6	3.6	3.4	3.6	3.9	8.5	18	11	11	9.1
CAL YR 2000	TOTAL	3146.5	MEAN	8.60	MAX	31	MIN	4.5	AC-FT	6240		
WTR YR 2001	TOTAL	4031.9	MEAN	11.0	MAX	46	MIN	3.4	AC-FT	8000		

MAX DISCH: 52 CFS AT 03:00 ON May. 28, 2001 GH 2.78 FT. SHIFT -0.30 FT.  
MAX GH: 2.78 FT. AT 03:00 ON May. 28, 2001

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



RIO GRANDE BASIN  
CLOSED BASIN IN SAN LUIS VALLEY  
WILD CHERRY CREEK near CRESTONE, CO

LOCATION.--Lat 38°06'01", long 105°46'04"

DRAINAGE AREA.--4.5 mi<sup>2</sup>.

GAGE.--Station established in water year 1999 with the installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed Mar. 25, 1999 with chart recorder added on Apr. 28, 1999 as a backup. Elevation of gage is 8560 ft.

REMARKS.--Record complete and reliable for the water year, except November 8-21, 2000, and March 30 - April 1, 2001, when the well was frozen; November 22, 2000 through March 29, 2001, when station was closed for the winter; and May 21-25, 2001 when the inlets were plugged. Stage-discharge relation affected by ice November 6, 7, 2000. Record good except that for periods of no gage height record which are poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--CHECRECO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

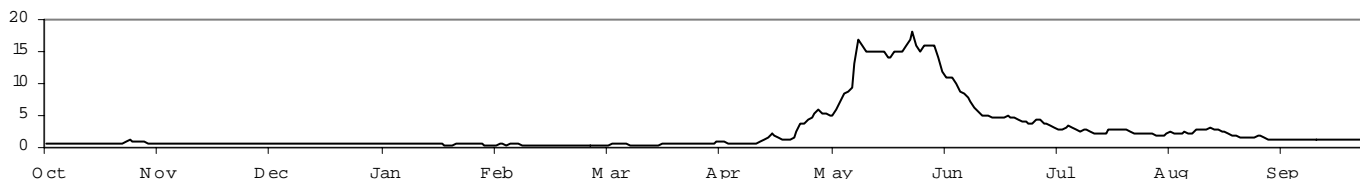
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.7	.73	.6	.5	.42	.43	.6	5.4	16	4.3	2.2	1.8
2	.68	.7	.58	.52	.45	.43	.71	6	16	4.4	2.1	1.6
3	.68	.74	.56	.5	.47	.43	.71	5.4	16	3.8	2	1.4
4	.71	.74	.56	.52	.47	.45	.84	5.2	14	3.6	1.8	1.3
5	.7	.75	.58	.52	.45	.45	.94	5.1	12	3.3	1.8	1.3
6	.71	.62	.56	.52	.47	.47	.8	5.1	11	3.1	2.2	1.3
7	.76	.62	.56	.5	.49	.49	.65	5.8	11	2.9	2.4	1.3
8	.78	.64	.58	.49	.47	.49	.59	7.2	11	2.9	2.1	1.3
9	.72	.66	.6	.5	.45	.48	.59	8.4	9.9	3	2.1	1.3
10	.58	.66	.58	.52	.43	.47	.66	8.7	8.8	3.3	2.2	1.2
11	.68	.64	.56	.5	.45	.45	.67	9.4	8.3	3.2	2.4	1.2
12	.68	.62	.56	.52	.43	.46	.63	13	7.7	2.8	2.2	1.1
13	.68	.58	.56	.52	.42	.46	.61	17	7.1	2.6	2.3	1.2
14	.68	.6	.54	.5	.41	.45	.66	16	6.3	2.7	2.8	1.2
15	.68	.64	.54	.5	.4	.44	.7	15	5.6	2.8	2.9	1.1
16	.68	.6	.54	.52	.42	.45	.9	15	4.9	2.6	2.8	1.1
17	.69	.62	.52	.5	.43	.46	1.3	15	4.9	2.3	2.9	1.2
18	.68	.64	.5	.47	.45	.46	1.7	15	4.9	2.2	3	1.2
19	.71	.62	.5	.45	.45	.45	2.1	15	4.8	2.2	2.9	1.2
20	.74	.64	.52	.46	.45	.47	1.8	15	4.8	2.1	2.7	1.1
21	.74	.64	.5	.45	.45	.49	1.5	14	4.7	2.7	2.5	1.1
22	.76	.66	.52	.47	.43	.49	1.4	14	4.8	2.9	2.4	1.1
23	.91	.64	.5	.5	.45	.5	1.3	15	4.9	2.7	2.2	1.1
24	1.1	.6	.5	.5	.44	.5	1.3	15	4.8	2.9	2	1.1
25	1	.62	.52	.5	.43	.5	1.6	15	4.6	2.8	1.8	1.1
26	1	.6	.5	.48	.44	.49	2.6	16	4.4	2.8	1.7	1.1
27	1	.62	.5	.5	.43	.48	3.6	17	4	2.6	1.6	1.1
28	.92	.64	.5	.5	.43	.48	3.8	18	4.1	2.3	1.6	1.1
29	.77	.6	.48	.48	---	.49	4.5	16	3.9	2.1	1.5	1.1
30	.74	.62	.5	.45	---	.49	4.8	15	3.8	2.1	1.5	1.2
31	.74	---	.5	.4	---	.5	---	16	---	2.2	1.9	---
TOTAL	23.6	19.3	16.62	15.26	12.38	14.55	44.56	378.7	229	88.2	68.5	36.5
MEAN	.76	.64	.54	.49	.44	.47	1.49	12.2	7.6	2.9	2.2	1.2
AC-FT	47	38	33	30	25	29	88	751	454	175	136	72
MAX	1.1	.75	.6	.52	.49	.5	4.8	18	16	4.4	3	1.8
MIN	.58	.58	.48	.4	.4	.43	.59	5.1	3.8	2.1	1.5	1.1

CAL YR 2000 TOTAL 603.96 MEAN 1.65 MAX 13 MIN .39 AC-FT 1200  
WTR YR 2001 TOTAL 947.17 MEAN 2.59 MAX 18 MIN .4 AC-FT 1880

MAX DISCH: 21 CFS AT 22:30 ON May. 27, 2001 GH 2.01 FT. SHIFT -0.01 FT.  
MAX GH: 2.02 FT. AT 22:15 ON May. 12, 2001

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



RIO GRANDE BASIN  
CLOSED BASIN IN SAN LUIS VALLEY  
RITO ALTO CREEK near CRESTONE, CO

**LOCATION.**--Lat 38°04'39", long 105°45'43"

**DRAINAGE AREA.**--10.3 mi<sup>2</sup>.

**GAGE.**--Station established in 1999 with the installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed April 1, 1999. Strip chart recorder installed on April 27, 1999 as a backup. Elevation of gage is 8380 ft.

**REMARKS.**--Water-year record is complete and reliable except for November 14-21, 2000, when the well was frozen; and November 22, 2000 to April 28, 2001, when station was closed for the winter. Stage-discharge relation affected by ice November 12, 13, 2000. Record fair, except that during periods of no gage-height data, or ice affected data, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

**RATING TABLE.**--RITCRECO3 USED FROM 01-OCT-2000 TO 30-SEP-2001

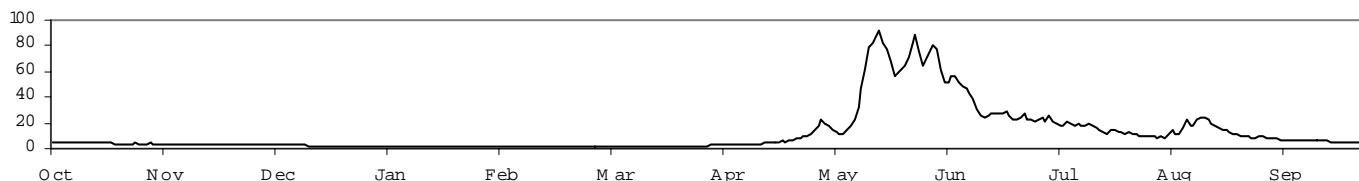
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	3.2	2.8	2.1	1.8	1.8	2.5	17	77	22	9.4	9.3
2	4.6	3.3	2.8	2.2	1.9	1.8	2.6	23	81	25	9.1	8.4
3	4.6	3.3	2.8	2.2	2	1.9	2.6	20	78	21	8.8	8.2
4	4.8	3.2	2.8	2.3	2.1	1.9	2.7	17	62	26	9.6	7.9
5	5.2	3.3	2.9	2.3	2.1	2	2.8	14	51	21	8.6	7.6
6	4.9	3.3	2.8	2.3	2.1	2.1	2.7	13	51	19	11	7
7	4.8	3.3	2.7	2.2	2.2	2.1	2.7	11	56	18	14	7.1
8	4.9	3.5	2.8	2.1	2.1	2.1	2.9	12	56	18	11	6.9
9	4.8	3.4	2.8	2.2	1.9	2.1	3.1	15	52	21	12	6.6
10	4.6	3.2	2.6	2.3	1.9	2.1	3.1	18	48	19	16	6.4
11	4.6	3.3	2.4	2.2	2	1.9	3	22	47	18	22	6.3
12	4.7	3	2.4	2.2	2	1.9	3.2	33	44	19	18	6.1
13	4.6	2.8	2.4	2.1	2	2	3.4	46	38	17	17	5.9
14	4.5	2.8	2.3	2	1.9	2	3.7	61	30	17	22	6.3
15	4.4	2.9	2.3	2	1.8	1.9	4	79	26	19	24	5.9
16	4.4	2.7	2.1	2.1	1.8	2	4.3	83	24	17	25	5.8
17	4.1	2.7	2.1	1.9	1.9	2	4.6	89	26	16	22	5.8
18	3.8	2.7	1.9	1.9	2	2	5	92	27	14	20	5.8
19	3.8	2.8	2	1.9	2	2	5.6	82	27	13	18	5.7
20	3.8	2.9	2.1	2	2	2.1	5.6	77	27	12	16	5.5
21	3.8	2.9	2.1	2	2	2.2	5.8	68	28	14	15	5.5
22	3.8	3	2.1	2.1	2	2.1	5.6	56	29	14	14	5.4
23	3.8	3.1	2	2.2	2	2.1	6	58	26	13	13	5.4
24	4.1	2.8	2	2.1	1.9	2.1	7	61	23	13	12	5.3
25	3.9	2.8	2.1	2.1	1.9	2.1	8	65	23	12	11	5.3
26	3.7	2.8	2.1	2	2	2	8.6	71	25	13	10	5.3
27	3.7	2.9	2	2.1	2	2	10	83	27	12	9.4	5.3
28	4.1	3	2.1	2.1	1.9	1.9	10	88	23	11	9	5.2
29	3.9	2.8	2	2.1	---	2	12	76	22	10	8.8	5.2
30	3.5	3	2.1	2	---	2.1	14	65	21	9.7	8.8	5.3
31	3.6	---	2.1	1.9	---	2.3	---	71	---	9.6	9.2	---
TOTAL	132.2	90.7	72.5	65.2	55.2	62.6	157.1	1586	1175	503.3	433.7	187.7
MEAN	4.3	3	2.3	2.1	2	2	5.2	51	39	16.2	14	6.3
AC-FT	262	180	144	129	109	124	312	3150	2330	998	860	372
MAX	5.2	3.5	2.9	2.3	2.2	2.3	14	92	81	26	25	9.3
MIN	3.5	2.7	1.9	1.9	1.8	1.8	2.5	11	21	9.6	8.6	5.2

CAL YR 2000 TOTAL 2359.2 MEAN 6.45 MAX 46 MIN 1.9 AC-FT 4680  
WTR YR 2001 TOTAL 4521.2 MEAN 12.4 MAX 92 MIN 1.8 AC-FT 8970

MAX DISCH: 114 CFS AT 22:00 ON May. 27, 2001 GH 2.94 FT. SHIFT 0.04 FT.  
MAX GH: 2.94 FT. AT 22:00 ON May. 27, 2001

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





RIO GRANDE BASIN  
CLOSED BASIN IN SAN LUIS VALLEY  
SAN ISABEL CREEK near CRESTONE, CO

LOCATION.--Lat 38°02'04", long 105°43'03"

DRAINAGE AREA.--5.7 mi<sup>2</sup>.

GAGE.--Station established in 1999 with the installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed on Apr. 01, 1999 with a chart recorder backup installed on Apr. 27, 1999. Elevation of gage is 8200 ft.

REMARKS.--Record is complete and reliable except for the following periods: November 9-27, 2000 when the well was frozen. November 28, 2000 through April 28, 2001, when station was closed for winter. May 12-14, 2001, when intakes were partly to totally plugged. Gage-height was affected by ice on November 5-8, 2000. Record good, except during periods of no stage data, ice effect, and period of plugged intakes, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

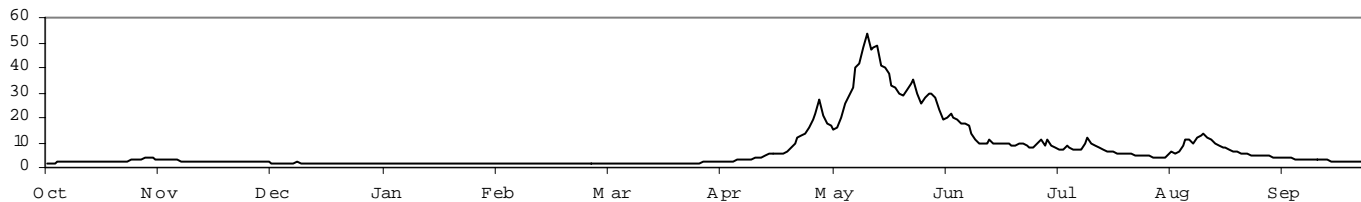
RATING TABLE.--SANCRECO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2	3.4	2.1	1.6	1.3	1.4	2.3	22	30	9.3	4.5	5
2	1.9	3.5	2	1.7	1.4	1.4	2.4	27	30	11	4.4	4.7
3	1.9	3.4	1.9	1.6	1.5	1.5	2.3	21	28	8.7	4.3	4.5
4	2.1	3.5	1.9	1.7	1.6	1.5	2.5	18	23	11	4.4	4
5	2.4	3.2	2	1.7	1.6	1.6	2.6	17	19	9	4.1	4.1
6	2.1	2.9	2	1.7	1.6	1.7	2.5	15	20	8.2	5	4
7	2.1	2.6	1.9	1.6	1.7	1.7	2.6	16	22	7.5	6.3	4
8	2.2	2.5	2	1.5	1.6	1.7	2.7	20	20	7.3	5.3	3.9
9	2.1	2.6	2.1	1.6	1.5	1.7	3	26	19	8.6	6.1	3.9
10	2.1	2.8	2	1.7	1.5	1.6	3	29	18	7.7	8.8	3.5
11	2.1	2.6	1.9	1.6	1.6	1.5	2.9	32	18	7.4	11	3.4
12	2.4	2.4	1.9	1.7	1.6	1.5	3	40	17	7.6	11	3.3
13	2.3	2.2	1.9	1.6	1.6	1.6	3.4	42	14	7.2	9.3	3.3
14	2.2	2.1	1.8	1.5	1.5	1.6	3.7	48	11	10	12	3.5
15	2.1	2.2	1.7	1.5	1.4	1.5	4.1	54	9.5	12	13	3.2
16	2.1	2.1	1.6	1.6	1.4	1.6	4.3	47	9.4	10	14	3.1
17	2.1	2.1	1.6	1.4	1.5	1.6	4.7	48	10	8.9	12	3.2
18	2.1	2.1	1.5	1.4	1.6	1.6	5.4	49	11	7.9	11	3.1
19	2.1	2.2	1.5	1.4	1.6	1.6	5.4	41	10	7.1	9.8	3
20	2.1	2.3	1.6	1.5	1.6	1.7	5.4	40	9.9	6.5	8.9	2.8
21	2.1	2.2	1.6	1.5	1.6	1.8	6	38	10	6.7	8.1	2.8
22	2.1	2.3	1.7	1.5	1.6	1.8	5.8	33	10	6.2	7.7	2.8
23	2.5	2.2	1.6	1.6	1.6	1.8	6.4	32	9.3	5.6	7.3	2.8
24	3.1	2.1	1.6	1.6	1.5	1.8	8	30	8.7	5.8	6.6	2.7
25	3	2.1	1.6	1.6	1.5	1.9	10	29	8.5	5.4	6.2	2.7
26	3.1	2.1	1.6	1.5	1.5	1.9	12	31	9.7	5.8	5.9	2.7
27	3.2	2.2	1.6	1.6	1.6	1.9	13	34	10	5.4	5.6	2.8
28	3.9	2.2	1.7	1.6	1.5	1.8	14	35	8.6	5.1	5.3	2.7
29	3.8	2.1	1.5	1.5	---	1.9	16	30	8.3	4.8	5.2	2.7
30	3.7	2.2	1.6	1.4	---	2	19	26	7.7	4.6	5.2	2.9
31	3.6	---	1.6	1.4	---	2.1	---	28	---	4.5	5.2	---
TOTAL	76.6	74.4	54.6	48.4	43.1	52.3	178.4	998	439.6	232.8	233.5	101.1
MEAN	2.5	2.5	1.8	1.6	1.5	1.7	6	32	14.7	7.5	7.5	3.4
AC-FT	152	148	108	96	85	104	354	1980	872	462	463	201
MAX	3.9	3.5	2.1	1.7	1.7	2.1	19	54	30	12	14	5
MIN	1.9	2.1	1.5	1.4	1.3	1.4	2.3	15	7.7	4.5	4.1	2.7
CAL YR 2000	TOTAL	1395	MEAN	3.81	MAX	20	MIN	1.5	AC-FT	2770		
WTR YR 2001	TOTAL	2532.8	MEAN	6.94	MAX	54	MIN	1.3	AC-FT	5020		

MAX DISCH: 68 CFS AT 18:45 ON May 15, 2001 GH 4.83 FT. SHIFT 0.20 FT.  
MAX GH: 4.83 FT. AT 18:45 ON May 15, 2001

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



RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO

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

**PERIOD OF RECORD AND DRAINAGE AREA.**--595 mi<sup>2</sup>. Aug. 1910-Sept. 1912, Jun. 1914 to current year. Monthly discharge only for some periods. Water-quality data available, Apr. 1993-Sep. 1995.

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

**REMARKS.**--Record is complete and reliable. The stage-discharge relation was affected by ice Nov. 13, 2001 through Feb. 14, 2001, and Feb. 19, 20,23,24, 2001. Record is good except for periods of ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--SAGSAGCO16 USED FROM 01-OCT-2000 TO 05-OCT-2001

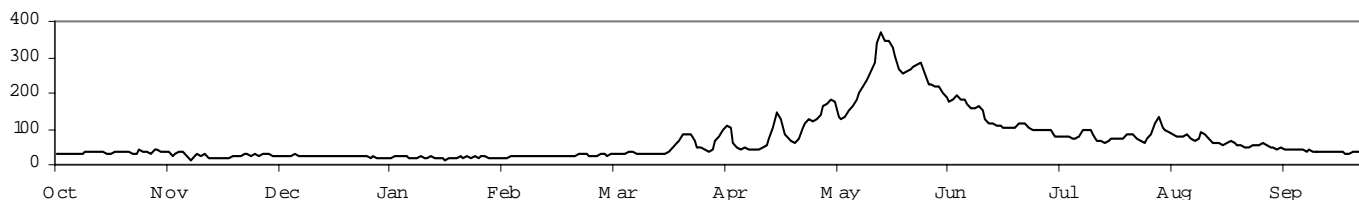
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	34	27	21	16	28	43	140	222	95	85	58
2	29	26	26	21	16	28	65	164	221	96	115	52
3	28	31	26	22	19	27	80	171	219	98	133	50
4	29	35	26	22	24	29	95	179	202	94	103	46
5	32	34	26	22	23	29	108	173	189	81	100	44
6	30	25	28	22	23	31	104	136	175	81	88	47
7	28	15	27	20	27	30	59	127	184	77	86	44
8	30	21	27	19	27	32	51	132	195	77	77	43
9	34	29	27	21	25	35	45	149	183	78	81	42
10	36	25	26	23	23	35	47	165	181	74	81	42
11	36	29	25	21	24	33	44	183	168	75	85	40
12	34	16	25	20	23	33	42	201	157	77	74	40
13	36	18	24	22	24	31	40	219	158	99	66	38
14	34	17	24	19	24	32	45	236	165	94	74	40
15	33	20	25	17	25	30	47	261	149	96	92	39
16	33	19	25	16	25	29	55	283	125	84	83	36
17	34	19	23	14	25	30	74	339	117	68	70	36
18	34	21	23	17	25	31	103	371	113	66	61	38
19	35	23	22	19	25	33	146	347	107	63	60	39
20	36	26	24	20	26	37	127	344	110	69	59	36
21	36	24	22	22	26	49	85	326	105	71	57	35
22	33	29	22	20	27	59	77	302	103	72	61	35
23	33	28	22	22	30	66	69	269	102	70	69	35
24	42	27	22	21	29	82	61	256	101	72	63	33
25	38	28	23	22	28	86	72	260	113	84	56	31
26	34	26	22	20	26	85	103	264	116	82	53	34
27	32	28	21	22	26	68	116	274	115	82	50	35
28	43	29	22	23	26	50	128	279	102	71	50	35
29	42	28	21	20	---	47	122	283	95	68	52	34
30	37	27	20	18	---	41	125	255	95	58	53	34
31	35	---	21	16	---	39	---	227	---	73	57	---
TOTAL	1056	757	744	624	687	1295	2378	7315	4387	2445	2294	1191
MEAN	34	25	24	20	25	42	79	236	146	79	74	40
AC-FT	2090	1500	1480	1240	1360	2570	4720	14510	8700	4850	4550	2360
MAX	43	35	28	23	30	86	146	371	222	99	133	58
MIN	28	15	20	14	16	27	40	127	95	58	50	31

CAL YR	2000	TOTAL	16710	MEAN	46	MAX	181	MIN	15	AC-FT	33140
WTR YR	2001	TOTAL	25173	MEAN	69	MAX	371	MIN	14	AC-FT	49930

MAX DISCH: 386 CFS AT 08:00 ON May. 18, 2001 GH 3.47 FT. SHIFT -0.03 FT.  
MAX GH: 3.47 FT. AT 08:00 ON May. 18, 2001

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO

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

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

**GAGE.**--Graphic water-stage recorder in a timber shelter and well. Altitude of gage is 8,360 ft from topographic map.

**REMARKS.**--Record is complete and reliable except for November 4-7, 2000, when the chart recorder malfunctioned, and December 9, 2000 through March 20, 2001, when the well was frozen. Stage-discharge relation was affected by ice November 8,9, 13, 14, 16-21, 2000. The gage height was not representative of the flow on May 15-17, 19, 21-23, and August 11,12, 2001 due to the very fast velocities at higher stages drawing the well down. Record is good except for periods of no gage-height, ice affected record, and periods of well drawdown, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

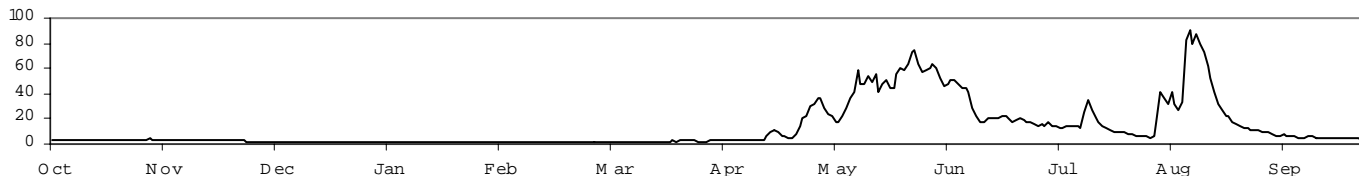
**RATING TABLE.**--NOCRESO10 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.1	2.1	1.5	1.2	1.5	2.5	36	61	15	5.4	10
2	2.9	3.3	2.1	1.5	1.4	1.5	2.6	37	63	16	5.6	10
3	2.9	3.1	2	1.5	1.5	1.6	2.9	28	60	14	18	8.9
4	3.3	2.8	1.9	1.6	1.6	1.6	3.6	24	52	17	42	8.1
5	3.6	2.7	1.8	1.6	1.6	1.7	3.6	22	46	15	36	7.1
6	3.4	2.6	1.9	1.6	1.7	1.8	3.3	18	48	15	32	6.9
7	3.3	2.5	2	1.6	1.8	1.8	2.8	18	51	13	42	7.4
8	3.3	2.6	2.1	1.4	1.7	1.8	2.6	23	51	12	32	6.8
9	3.3	2.8	2.1	1.5	1.5	1.8	2.6	29	47	15	27	6.2
10	3.3	2.9	2	1.6	1.5	1.8	2.6	36	45	14	33	5.9
11	3.3	2.8	2	1.5	1.7	1.7	2.6	41	45	14	82	5.4
12	3.4	2.8	2	1.6	1.7	1.7	2.5	58	41	14	90	5.4
13	3.3	2.7	2	1.5	1.7	1.8	2.5	48	29	13	80	5.4
14	3.1	2.7	2	1.3	1.6	1.8	2.6	47	22	26	88	6.5
15	2.9	3.3	1.9	1.4	1.4	1.7	2.8	54	18	35	80	5.6
16	2.9	2.6	1.8	1.5	1.4	2	3.8	49	17	27	73	5.4
17	2.8	2.6	1.8	1.4	1.5	2	6.1	55	20	21	62	5.1
18	2.8	2.6	1.4	1.2	1.7	2	9.6	42	21	17	52	5.1
19	2.8	2.7	1.4	1.2	1.7	2.1	11	47	20	14	41	4.9
20	2.8	2.8	1.6	1.3	1.7	2.2	8.9	51	20	12	31	4.7
21	2.6	2.8	1.6	1.3	1.7	2.3	6.8	45	22	11	27	4.5
22	2.6	2.9	1.7	1.4	1.7	2.6	5.6	45	23	10	23	4.5
23	2.9	2.6	1.7	1.6	1.7	2.3	5.1	55	20	8.9	22	4.5
24	3.3	2.2	1.7	1.6	1.5	2.5	5.1	60	18	9.6	18	4.2
25	3.3	2.1	1.7	1.6	1.5	2.6	7.2	59	19	8.9	16	4
26	3.1	2.1	1.7	1.5	1.6	2.8	14	63	20	8.7	14	4
27	3.1	2.2	1.7	1.5	1.7	2.6	21	73	19	7.7	13	4.2
28	4	2.2	1.8	1.5	1.6	2.5	23	75	17	7.1	12	4
29	3.8	2.2	1.5	1.4	---	2.2	30	64	17	6.2	11	3.8
30	3.6	2.2	1.5	1.3	---	2.2	31	57	16	5.9	11	4.2
31	3.4	---	1.5	1.2	---	2.1	---	58	---	5.9	11	---
TOTAL	98.2	79.5	56	45.2	44.6	62.6	230.3	1417	968	428.9	1130	172.7
MEAN	3.2	2.6	1.8	1.5	1.6	2	7.7	46	32	13.8	36.5	5.8
AC-FT	195	158	111	90	88	124	457	2810	1920	851	2240	343
MAX	4	3.3	2.1	1.6	1.8	2.8	31	75	63	35	90	10
MIN	2.6	2.1	1.4	1.2	1.2	1.5	2.5	18	16	5.9	5.4	3.8
CAL YR 2000	TOTAL	2438.3	MEAN	6.66	MAX	50	MIN	1.4	AC-FT	4840		
WTR YR 2001	TOTAL	4733	MEAN	13	MAX	90	MIN	1.2	AC-FT	9390		

MAX DISCH: 121 CFS AT 18:30 ON Aug. 3, 2001 GH 2.56 FT. SHIFT 0.01 FT.  
MAX GH: 2.6 FT. AT 21:00 ON May. 27, 2001

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



RIO GRANDE BASIN  
CLOSED BASIN IN SAN LUIS VALLEY  
SOUTH CRESTONE CREEK near CRESTONE, CO

LOCATION.--Lat 37°58'55", long 105°42'41"

DRAINAGE AREA.--4.6 mi<sup>2</sup>.

GAGE.--2' diameter CMP installed as stilling well with small shelter on top for equipment at an existing 2.5' Parshall flume. Satellite monitoring system installed and put into operation Apr. 6, 1999. Elevation of gage is 7740 ft.

REMARKS.--Gage-height data complete and reliable except for the following periods: Nov. 14-28, 2000, when the well was frozen. Nov. 29, 2000 through Mar. 30, 2001, when the station was closed for the winter. Stage-discharge relation affected by ice Nov. 7-13, 2000. Record good, except for periods of missing or incomplete gage-height data, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--SOUCRECO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

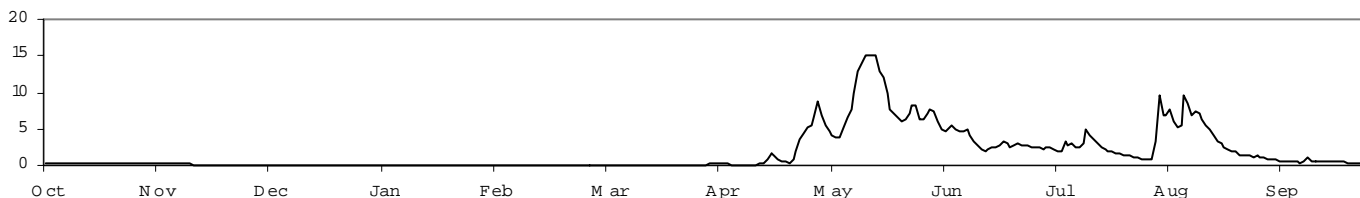
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.19	.15	.1	0	0	0	.12	6.5	7	2.4	.89	1.2
2	.17	.22	.1	0	0	0	.22	8.9	7.6	2.4	.89	1.1
3	.18	.24	.1	0	0	0	.2	6.9	7.3	2.2	3.2	.95
4	.24	.2	.1	0	0	0	.27	5.5	6.1	2.5	9.6	.82
5	.33	.21	.1	0	0	0	.31	4.7	4.8	2.4	6.8	.73
6	.29	.16	.1	0	0	0	.24	4	4.6	2.2	6.8	.66
7	.28	.16	.1	0	0	0	.15	3.7	5.2	1.9	7.7	.62
8	.32	.16	.1	0	0	0	.11	3.8	5.6	2	6.1	.58
9	.35	.16	.1	0	0	0	.08	5.2	5	3.3	5.3	.58
10	.34	.16	.1	0	0	0	.09	6.6	4.7	2.8	5.6	.51
11	.32	.1	.1	0	0	0	.08	7.7	4.7	2.9	9.6	.42
12	.33	.1	.1	0	0	0	.03	9.8	4.8	2.6	8.4	.36
13	.33	.1	.1	0	0	0	.02	13	4.1	2.5	6.9	.49
14	.3	.1	.1	0	0	0	.04	14	3.4	3.1	7.5	.96
15	.32	.1	.1	0	0	0	.05	15	2.7	5	7	.64
16	.32	.1	0	0	0	0	.16	15	2.2	4.2	6.4	.6
17	.32	.1	0	0	0	0	.41	15	2	3.5	5.5	.57
18	.32	.1	0	0	0	0	.89	15	2.2	2.9	4.8	.61
19	.32	.1	0	0	0	0	1.7	13	2.4	2.4	4.1	.56
20	.25	.1	0	0	0	0	1.3	12	2.5	2.1	3.4	.51
21	.24	.1	0	0	0	.1	.78	10	2.7	1.9	2.9	.43
22	.23	.1	0	0	0	.1	.64	7.6	3.2	1.8	2.5	.43
23	.24	.1	0	0	0	.1	.44	7.1	2.9	1.6	2.2	.43
24	.29	.1	0	0	0	.1	.4	6.7	2.6	1.6	2	.42
25	.26	.1	0	0	0	.1	.69	6.1	2.8	1.5	1.8	.38
26	.22	.1	0	0	0	.1	1.8	6.4	3	1.4	1.5	.36
27	.21	.1	0	0	0	.1	3.6	7	2.8	1.3	1.3	.34
28	.36	.1	0	0	0	.1	4.5	8.2	2.7	1.2	1.4	.3
29	.34	.1	0	0	---	.1	5.1	8.1	2.7	1	1.4	.28
30	.24	.1	0	0	---	.1	5.6	6.2	2.5	.9	1.2	.3
31	.26	---	0	0	---	.09	---	6.4	---	.95	1.3	---
TOTAL	8.71	3.82	1.5	0	0	1.09	30.02	265.1	116.8	70.45	135.98	17.14
MEAN	.28	.13	.05	0	0	.04	1	8.6	3.9	2.27	4.39	.57
AC-FT	17	7.6	3	0	0	2.2	60	526	232	140	270	34
MAX	.36	.24	.1	0	0	.1	5.6	15	7.6	5	9.6	1.2
MIN	.17	.1	0	0	0	0	.02	3.7	2	.9	.89	.28

CAL YR 2000 TOTAL 325.89 MEAN 0.89 MAX 6.3 MIN 0 AC-FT 650  
WTR YR 2001 TOTAL 650.61 MEAN 1.78 MAX 15 MIN 0 AC-FT 1290

MAX DISCH: 17.1 CFS AT 00:30 ON May. 18, 2001 GH 1.42 FT. SHIFT -0.01 FT.  
MAX GH: 1.42 FT. AT 00:30 ON May. 18, 2001

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

WILLOW CREEK near CRESTONE, CO

LOCATION.--Lat 37°57'29", long 105°41'59"

DRAINAGE AREA.--8.0 mi<sup>2</sup>.

GAGE.--Station installed in 1999 with a 2' diameter CMP stilling well with a small steel box structure on top for equipment. Satellite monitoring system installed and put into operation April 1, 1999. Elevation of gage is 7740 ft.

REMARKS.--Gage-height record complete and reliable for the year except November 9-28, 2000, and April 14-15, 2001, when the well was frozen; November 29, 2000, to April 13, 2001, when the station was shut down for the winter; and August 23-24, 2001, when the gage was isolated due to the control being rebuilt. Stage-discharge relation affected by ice November 7,8, 2000. Record good, except periods when gage heights were missing or ice-affected, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

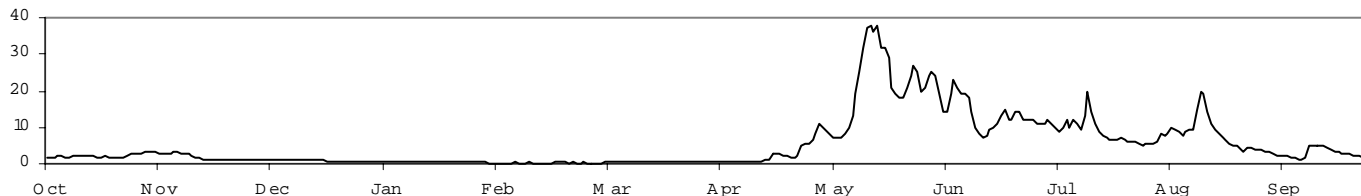
RATING TABLE.--WILCRECO02 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	2.9	1	.58	.26	.27	.45	8.3	24	11	5.5	3.8
2	1.9	2.9	.9	.6	.26	.27	.5	11	25	11	5.7	3.4
3	1.7	2.8	.9	.58	.27	.27	.56	9.7	24	11	6	3.1
4	2	2.8	.9	.6	.27	.29	.6	8.6	19	12	8.2	2.7
5	2.1	3.1	.9	.6	.27	.29	.6	7.8	14	11	7.6	2.4
6	1.7	3.1	.9	.6	.27	.31	.58	7.3	14	9.6	8	2.2
7	1.7	3	.9	.58	.28	.33	.56	7	19	9	10	2.2
8	2	2.8	.94	.56	.27	.34	.6	7.3	23	10	9.4	2
9	2	2.5	1	.58	.27	.33	.58	8.3	21	12	8.5	1.8
10	2	2.2	1	.58	.27	.32	.56	10	19	10	7.8	1.5
11	2	1.9	1	.56	.28	.3	.56	13	19	12	8.5	1.3
12	2	1.5	1	.56	.27	.31	.56	19	18	11	9.2	1.2
13	2	1.1	1	.54	.27	.3	.56	25	14	9.4	9.4	1.5
14	2	1.1	.9	.52	.27	.29	.58	32	10	13	15	5
15	1.9	1.1	.9	.52	.26	.28	.56	37	8	20	20	4.8
16	1.9	1	.9	.54	.27	.3	.61	38	7.1	14	19	4.9
17	2	1.1	.8	.5	.27	.33	.84	36	7.8	11	14	4.8
18	1.9	1.1	.64	.45	.28	.33	1.3	38	9.5	8.6	11	4.7
19	1.9	1.1	.64	.4	.28	.31	3	32	9.7	7.8	9.3	4.2
20	1.9	1.1	.64	.42	.28	.33	2.9	32	11	7.1	8	3.7
21	1.9	1.1	.6	.4	.28	.37	2.7	29	13	6.8	7.1	3.4
22	1.9	1.2	.62	.42	.27	.37	2.4	21	15	6.6	6.6	3.1
23	2.3	1.2	.6	.44	.28	.4	2	19	12	6.4	5.5	2.9
24	2.8	1.1	.6	.44	.27	.42	1.9	18	12	7	5	2.9
25	2.8	1.1	.62	.44	.27	.44	1.8	18	14	6.8	4.7	2.6
26	2.7	1.1	.6	.4	.28	.43	2.2	21	14	6.3	4	2.4
27	2.6	1.2	.6	.42	.27	.42	4.9	24	12	6.3	3.3	2.1
28	3.4	1.2	.6	.42	.27	.41	5.4	27	12	6.1	4.2	2
29	3.4	1	.56	.35	---	.41	5.6	25	12	5.6	4.3	1.8
30	3.3	1.1	.58	.3	---	.44	6.6	20	12	5.2	3.8	2
31	3.1	---	.58	.25	---	.42	---	21	---	5.3	3.6	---
TOTAL	68.7	51.5	24.32	15.15	7.61	10.63	52.56	630.3	444.1	288.9	252.2	86.4
MEAN	2.2	1.7	.78	.49	.27	.34	1.75	20.3	14.8	9.3	8.1	2.9
AC-FT	136	102	48	30	15	21	104	1250	881	573	500	171
MAX	3.4	3.1	1	.6	.28	.44	6.6	38	25	20	20	5
MIN	1.7	1	.56	.25	.26	.27	.45	7	7.1	5.2	3.3	1.2
CAL YR 2000	TOTAL	1202.8	MEAN	3.29	MAX	47	MIN	.29	AC-FT	2390		
WTR YR 2001	TOTAL	1932.37	MEAN	5.29	MAX	38	MIN	.25	AC-FT	3830		

MAX DISCH: 50.9 CFS AT 20:00 ON May. 15, 2001 GH 3.07 FT. SHIFT 0.18 FT.  
MAX GH: 3.07 FT. AT 20:00 ON May. 15, 2001

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

SPANISH CREEK near CRESTONE, CO

LOCATION.--Lat 37°57'10", long 105°39'42"

DRAINAGE AREA.--2.4 mi<sup>2</sup>.

GAGE.--Station installed in 1999 on a 2' diameter CMP stilling well with a small steel box on top for equipment. Satellite monitoring system was installed and in operation on April 1, 1999. Elevation of gage is 8240 ft.

REMARKS.--Record is complete and reliable for the year except for November 19, 2000 to March 30, 2001, when the inlets and or well were frozen; and November 6, 7, 11-13, 15-17, 2000, and March 31, 2001 through April 16, 2001 when the gage was isolated. Record is good, except that for periods of no gage height, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

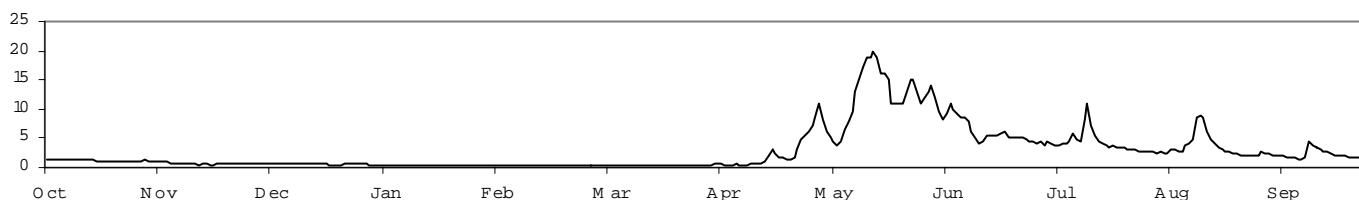
RATING TABLE.--SPACRECO3 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	.95	.62	.48	.35	.31	.48	8.6	13	4.2	2.6	2.6
2	1.3	.88	.62	.5	.38	.31	.48	11	14	4.3	2.6	2.5
3	1.4	.86	.62	.48	.43	.31	.52	8.3	12	3.9	2.5	2.4
4	1.4	.8	.62	.5	.43	.33	.52	6.3	9.5	4.6	2.6	2.2
5	1.4	.81	.66	.5	.43	.36	.52	5.3	8.2	4	2.4	2.1
6	1.3	.6	.62	.5	.45	.39	.48	4.3	9.3	3.8	2.4	1.9
7	1.4	.65	.62	.5	.47	.39	.48	3.9	11	3.7	3.1	1.9
8	1.4	.63	.66	.45	.43	.39	.5	4.4	10	4.1	3	1.8
9	1.4	.6	.66	.48	.38	.39	.52	6.4	9.4	4.1	2.9	1.7
10	1.4	.59	.62	.5	.4	.37	.5	8	8.7	4.3	2.8	1.6
11	1.4	.55	.58	.45	.43	.34	.48	9.6	8.7	5.8	3.7	1.5
12	1.4	.5	.6	.48	.43	.36	.5	13	7.9	4.8	4.1	1.5
13	1.3	.65	.6	.46	.43	.37	.54	15	6.3	4.3	4.7	1.6
14	1.2	.6	.6	.4	.4	.36	.6	17	5	8.2	8.6	4.6
15	1.1	.5	.58	.42	.35	.34	.66	19	4.2	11	8.8	3.8
16	1	.45	.54	.42	.35	.36	.7	19	4.5	7.3	8.6	3.4
17	1	.55	.54	.35	.36	.36	1.1	20	5.4	5.6	6.3	3.1
18	1	.62	.44	.35	.4	.36	2.2	19	5.6	4.6	4.9	2.8
19	.99	.62	.48	.35	.4	.37	3.1	16	5.4	4	4	2.6
20	.88	.66	.5	.39	.4	.4	2.4	16	5.4	3.6	3.5	2.3
21	.88	.68	.5	.39	.4	.43	1.8	15	5.9	3.5	3.1	2.2
22	.89	.7	.54	.43	.4	.41	1.6	11	6	3.6	2.9	2.1
23	.95	.7	.54	.46	.4	.41	1.4	11	5.1	3.3	2.7	2
24	1.1	.62	.52	.46	.34	.41	1.2	11	5	3.5	2.5	1.9
25	1.1	.62	.54	.46	.34	.43	1.6	11	5.3	3.3	2.4	1.8
26	.97	.62	.54	.42	.34	.42	3.1	13	5.1	3.2	2.2	1.7
27	.95	.66	.52	.44	.34	.41	4.9	15	5	3	2.1	1.6
28	1.2	.7	.54	.44	.34	.39	5.6	15	4.7	3	2.1	1.6
29	1.1	.64	.48	.42	---	.4	6	13	4.5	2.8	2.2	1.5
30	1.1	.7	.5	.4	---	.43	7.1	11	4.4	2.6	2.1	1.6
31	1.1	---	.5	.35	---	.46	---	12	---	2.6	2.2	---
TOTAL	36.31	19.71	17.5	13.63	11	11.77	51.58	368.1	214.5	134.6	110.6	65.9
MEAN	1.17	.66	.56	.44	.39	.38	1.72	11.9	7.2	4.3	3.6	2.2
AC-FT	72	39	35	27	22	23	102	730	425	267	219	131
MAX	1.4	.95	.66	.5	.47	.46	7.1	20	14	11	8.8	4.6
MIN	.88	.45	.44	.35	.34	.31	.48	3.9	4.2	2.6	2.1	1.5
CAL YR 2000	TOTAL	687.8	MEAN	1.88	MAX	18	MIN	.14	AC-FT	1360		
WTR YR 2001	TOTAL	1055.2	MEAN	2.89	MAX	20	MIN	.31	AC-FT	2090		

MAX DISCH: 24.1 CFS AT 20:15 ON May. 15, 2001 GH 3.68 FT. SHIFT 0.05 FT.  
MAX GH: 3.68 FT. AT 20:15 ON May. 15, 2001

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

COTTONWOOD CREEK near CRESTONE, CO

LOCATION.--Lat 37°55'51", long 105°39'05"

DRAINAGE AREA.--5.0 mi<sup>2</sup>.

GAGE.--Stilling well of 2 foot diameter culvert pipe installed in October 1998. Shelter fastened to top of well is a small, steel, box-like structure. Data Collection Platform (DCP) put inside shelter to collect and transmit gage-heights. Pipe intake between stilling well and 6 foot Parshall Flume. Flume had already existed at the site.

REMARKS.--Gage-height record is complete and reliable except for the following periods: Nov. 9-28, 2000 when the well was frozen; Nov. 29, 2000 - Mar. 30, 2001 when station was closed; Mar. 31 - April 26, 2001 when the inlets were frozen and data was unreliable; and April 29-May 4, May 12-15, May 18-21, June 2-9, July 15-17, Aug. 14,15, Sep. 14, 2001 when the inlets were plugged. Record is fair except for periods of missing or unreliable record, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--COCRESCO02 USED FROM 01-OCT-2000 TO 26-APR-2001  
COCRESCO03 USED FROM 26-APR-2001 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	1.9	1.3	.94	.76	.86	1	4.8	39	12	6.1	6
2	2.1	2.1	1.3	.98	.86	.86	1.1	8.1	39	13	5.8	5.3
3	2.1	2	1.2	.94	1	.86	1.1	9.2	40	12	5.3	4.8
4	2.2	1.9	1.2	.98	1	.9	1.2	10	42	13	5.3	4.5
5	2.5	1.9	1.2	.98	1	.96	1.2	8.5	38	11	4.9	4.3
6	2.5	1.6	1.2	.98	1	1	1.1	7	40	10	5	4.1
7	2.5	1.5	1.2	.98	1.1	1	1.1	6.5	37	10	6.6	4
8	2.6	1.7	1.3	.9	1	1	1.2	8.2	27	10	6	3.9
9	2.6	1.8	1.4	.98	.94	1	1.3	12	25	9.6	5.7	3.7
10	2.6	2	1.3	1	1	.96	1.2	16	23	11	5.7	3.5
11	2.6	1.9	1.3	.94	1	.88	1.2	20	23	13	6.7	3.3
12	2.6	1.5	1.3	.98	1	.9	1.3	27	20	11	7.6	3.2
13	2.6	1.2	1.3	.94	1	.9	1.5	38	16	11	8.7	3.8
14	2.5	1.2	1.1	.8	1	.88	1.7	40	12	19	15	12
15	2.4	1.4	1.1	.84	.9	.84	1.9	47	9.8	19	17	8.9
16	2.4	1.2	1	.84	.94	.88	1.8	44	10	16	16	7.6
17	2.4	1.2	1	.76	.98	.88	2	50	13	13	12	6.7
18	2.4	1.3	.9	.76	1	.88	2.3	58	13	11	9.5	6.3
19	2.3	1.3	.9	.76	1	.9	2.9	66	13	9.4	8.2	5.8
20	2.3	1.3	1	.8	1	1	2.8	52	13	8.5	7.3	5.4
21	2.2	1.3	1	.8	1	1.1	2.8	40	15	8.4	6.6	5
22	2.1	1.5	1.1	.9	1	1	2.6	29	15	8.1	6.1	4.6
23	2.1	1.4	1	1	1	1	2.8	30	13	7.4	5.8	4.4
24	2.1	1.3	1	1	.94	1	3.4	28	13	8.6	5.1	4.1
25	2	1.3	1.1	1	.94	1	4.2	30	13	7.9	4.9	3.9
26	1.9	1.3	1	.9	.98	.96	4.7	35	13	7.7	4.5	3.7
27	1.9	1.4	1	.96	.98	.96	5.8	39	13	7.3	4.2	3.5
28	2.2	1.5	1.1	.94	.94	.9	4.9	47	11	7.7	4.2	3.6
29	2.3	1.4	.94	.88	---	.9	4.2	39	11	6.9	4.2	3.6
30	2.2	1.5	.94	.82	---	.94	3.8	33	11	6.4	3.9	3.7
31	2.1	---	.94	.76	---	1	---	39	---	6.3	5	---
TOTAL	71.4	45.8	34.62	28.04	27.26	29.1	70.1	921.3	620.8	325.2	218.9	147.2
MEAN	2.3	1.5	1.12	.9	.97	.94	2.3	29.7	20.7	10.5	7.1	4.9
AC-FT	142	91	69	56	54	58	139	1830	1230	645	434	292
MAX	2.6	2.1	1.4	1	1.1	1.1	5.8	66	42	19	17	12
MIN	1.9	1.2	.9	.76	.76	.84	1	4.8	9.8	6.3	3.9	3.2

CAL YR 2000 TOTAL 1280.31 MEAN 3.50 MAX 31 MIN 0.64 AC-FT 2540  
WTR YR 2001 TOTAL 2539.72 MEAN 6.96 MAX 66 MIN 0.76 AC-FT 5040

MAX DISCH: 77 CFS AT 20:00 ON May. 18, 2001 GH 2.85 FT. SHIFT -0.24 FT.  
MAX GH: 2.85 FT. AT 20:00 ON May. 18, 2001

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

DEADMAN CREEK near CRESTONE, CO

LOCATION.--Lat 37°53'05", long 105°38'47"

DRAINAGE AREA.--8.4 mi<sup>2</sup>.

GAGE.--Station installed on a 2' diameter CMP stilling well with a small steel box on top for equipment at a 6' Parshall flume already on site in 1998. Satellite monitoring equipment installed in 1999. Elevation of gage is 7800 ft.

REMARKS.--Record is complete and reliable except for the following periods: November 7, 2000 - April 15, 2001, when the inlets and or the well was frozen, and May 19-23, 2001, when the DCP malfunctioned. Records are fair because of the low number of measurements, except for periods of no gage height record which are poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--DEDCRECO1 USED FROM 01-OCT-2000 TO 30-SEP-2001

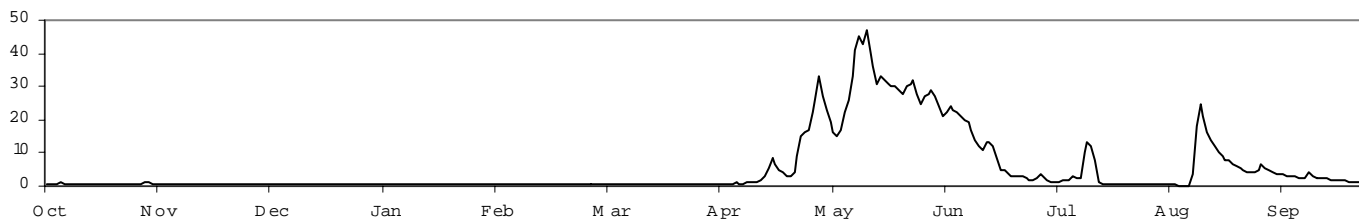
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	.68	.56	.45	.38	.45	.7	26	28	2.4	.57	6.5
2	.39	.72	.54	.47	.44	.45	.7	33	29	3.4	.59	5.3
3	.4	.82	.52	.45	.48	.45	.74	27	27	2.3	.53	4.7
4	.58	.72	.52	.47	.48	.48	.78	23	24	2	.53	4.2
5	.94	.88	.54	.47	.48	.52	.78	19	21	1.5	.51	3.9
6	.8	.56	.52	.47	.5	.54	.74	16	22	1.3	.56	3.6
7	.76	.5	.52	.47	.52	.54	.74	15	24	1.3	.66	3.4
8	.82	.5	.64	.44	.48	.54	.86	17	23	1.6	.41	3.2
9	.84	.56	.6	.47	.44	.54	.94	22	22	1.6	.27	3.1
10	.82	.76	.6	.49	.46	.52	.9	26	21	1.7	.23	2.8
11	.82	.7	.6	.45	.5	.48	.9	33	20	3.3	.19	2.6
12	.85	.5	.6	.48	.5	.5	1	41	19	2.3	.14	2.2
13	.82	.4	.6	.45	.5	.5	1.1	45	17	2.6	3.9	2.2
14	.8	.42	.52	.41	.48	.48	1.2	43	14	10	18	4
15	.8	.48	.52	.43	.43	.47	1.5	47	12	13	25	3.1
16	.78	.42	.52	.43	.45	.5	1.7	40	11	12	21	2.7
17	.67	.42	.52	.38	.47	.5	3.2	36	13	7.7	16	2.6
18	.65	.45	.4	.38	.52	.5	5.6	31	13	1.1	14	2.5
19	.62	.45	.4	.38	.52	.52	8.2	33	12	.74	12	2.3
20	.54	.47	.45	.4	.52	.56	6.5	32	8.7	.56	10	2
21	.45	.5	.42	.4	.52	.6	4.7	31	4.9	.54	8.8	1.9
22	.48	.6	.48	.44	.52	.56	4.2	30	4.6	.49	8	1.8
23	.63	.6	.46	.48	.52	.56	3.3	30	3.6	.37	7.6	1.7
24	.8	.5	.46	.48	.46	.56	3	29	3.1	.77	6.6	1.6
25	.71	.54	.5	.48	.48	.58	4.1	28	3.3	.73	6.1	1.5
26	.68	.52	.47	.44	.5	.56	8.8	30	3.1	.67	5.6	1.4
27	.66	.58	.47	.46	.5	.56	15	31	2.8	.58	4.9	1.4
28	.97	.64	.47	.46	.5	.52	16	32	2.4	.53	4.5	1.2
29	.98	.58	.44	.44	---	.52	17	28	2	.49	4.3	1.2
30	.87	.66	.45	.42	---	.56	22	25	1.6	.45	4	1.2
31	.82	---	.45	.38	---	.62	---	27	---	.58	4.9	---
TOTAL	22.2	17.13	15.76	13.72	13.55	16.24	136.88	926	412.1	78.6	190.39	81.8
MEAN	.72	.57	.51	.44	.48	.52	4.56	30	13.7	2.54	6.14	2.7
AC-FT	44	34	31	27	27	32	272	1840	817	156	378	162
MAX	.98	.88	.64	.49	.52	.62	22	47	29	13	25	6.5
MIN	.39	.4	.4	.38	.38	.45	.7	15	1.6	.37	.14	1.2

CAL YR	2000	TOTAL	MEAN	MAX	MIN	AC-FT					
WTR YR	2001	TOTAL	1924.37	MEAN	5.27	MAX	47	MIN	.14	AC-FT	3820

MAX DISCH: 57.1 CFS AT 22:00 ON May. 15, 2001 GH 1.71 FT. SHIFT 0.01 FT.  
MAX GH: 1.71 FT. AT 22:00 ON May. 15, 2001

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





RIO GRANDE BASIN

LITTLE SPRING CREEK AT MEDANO RANCH NEAR MOSCA, CO

LOCATION.--Lat 37°42'49", long °", in Alamosa county, in the NE¼SW¼, sec. 15, T.40 N., R.12 E., New Mexico Principal Meridian.

DRAINAGE AREA AND PERIOD OF RECORD.--

GAGE.--Shelter and stilling well made of 30-inch smooth steel pipe, connected to 2-foot Parshall flume by small intake pipe. Flume is in fair to good condition. Recorder is Stevens data logger. Outside staff gage attached to flume during the year.

REMARKS.--Record was complete and reliable except for December 7, 2000 to March 23, 2001, when the well was frozen; and June 2-7, 2001, when the datalogger battery died due to a solar panel malfunction. Record good for periods of gage-height record, fair for the other periods. Station maintained and records developed by Frank Kipple and Division III Hydrographic Staff.

RATING TABLE.--LILSPGCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.6	1.5	1.5	1.6	1.6	2	1.9	1.8	1.3	1.2	1.5
2	1.4	1.6	1.5	1.5	1.6	1.6	2	1.8	1.6	1.3	1.2	1.4
3	1.4	1.6	1.5	1.5	1.6	1.6	2	1.8	1.6	1.3	1.2	1.4
4	1.5	1.6	1.5	1.5	1.6	1.6	2	2	1.6	1.3	1.2	1.4
5	1.5	1.6	1.5	1.5	1.6	1.6	2	2.1	1.6	1.2	1.2	1.4
6	1.4	1.6	1.4	1.5	1.6	1.6	2.1	2.1	1.6	1.2	1.3	1.4
7	1.4	1.6	1.5	1.5	1.6	1.6	2.1	2	1.5	1.2	1.3	1.3
8	1.4	1.6	1.5	1.5	1.6	1.6	2	1.9	1.5	1.2	1.3	1.4
9	1.4	1.6	1.5	1.5	1.6	1.6	2	1.9	1.5	1.3	1.3	1.4
10	1.4	1.7	1.5	1.5	1.6	1.6	2	2	1.5	1.3	1.2	1.4
11	1.4	1.6	1.5	1.5	1.6	1.6	2	2	1.5	1.3	1.2	1.4
12	1.4	1.6	1.5	1.5	1.6	1.6	2	2	1.5	1.3	1.2	1.4
13	1.4	1.6	1.5	1.5	1.6	1.6	2	2	1.5	1.3	1.2	1.4
14	1.4	1.7	1.5	1.5	1.6	1.6	1.9	2	1.5	1.4	1.2	1.5
15	1.4	1.6	1.5	1.5	1.6	1.6	2	2	1.5	1.3	1.4	1.4
16	1.4	1.6	1.5	1.5	1.6	1.6	2	2	1.4	1.3	1.4	1.4
17	1.5	1.6	1.5	1.5	1.6	1.6	2	2	1.4	1.3	1.5	1.4
18	1.5	1.6	1.5	1.5	1.6	1.6	1.9	2	1.4	1.3	1.4	1.4
19	1.5	1.5	1.5	1.5	1.6	1.6	1.9	2	1.4	1.3	1.4	1.4
20	1.5	1.6	1.5	1.5	1.6	1.6	1.9	2	1.3	1.3	1.3	1.4
21	1.5	1.5	1.5	1.5	1.6	1.6	1.9	2	1.3	1.3	1.3	1.4
22	1.7	1.4	1.5	1.5	1.6	1.6	2	2	1.3	1.3	1.4	1.4
23	1.5	1.3	1.5	1.5	1.6	1.6	2	1.9	1.4	1.3	1.4	1.4
24	1.6	1.5	1.5	1.5	1.6	1.6	2	1.9	1.3	1.3	1.4	1.4
25	1.6	1.4	1.5	1.5	1.6	1.7	2	1.8	1.4	1.3	1.4	1.4
26	1.6	1.4	1.5	1.5	1.6	1.8	2	1.8	1.3	1.3	1.4	1.4
27	1.6	1.3	1.5	1.5	1.6	1.9	2	1.8	1.3	1.3	1.3	1.4
28	1.7	1.3	1.5	1.5	1.6	2.1	2	1.8	1.3	1.2	1.3	1.4
29	1.6	1.4	1.5	1.5	---	2.1	1.9	1.8	1.3	1.1	1.3	1.4
30	1.6	1.4	1.5	1.5	---	2.1	1.9	1.8	1.3	1.2	1.3	1.4
31	1.6	---	1.5	1.6	---	2	---	1.8	---	1.2	1.4	---
TOTAL	46.2	46	46.4	46.6	44.8	52.1	59.5	59.9	43.4	39.5	40.5	42.1
MEAN	1.5	1.5	1.5	1.5	1.6	1.7	2	1.9	1.5	1.3	1.3	1.4
AC-FT	92	91	92	92	89	103	118	119	86	78	80	84
MAX	1.7	1.7	1.5	1.6	1.6	2.1	2.1	2.1	1.8	1.4	1.5	1.5
MIN	1.4	1.3	1.4	1.5	1.6	1.6	1.9	1.8	1.3	1.1	1.2	1.3

CAL YR	2000	TOTAL	425.7*	MEAN	1.16*	MAX	1.8*	MIN	0.44*	AC-FT	840*
WTR YR	2001	TOTAL	567	MEAN	1.55	MAX	2.1	MIN	1.1	AC-FT	1120

MAX DISCH: 2.4 CFS AT 13:00 ON Nov. 16, 2000 GH 0.48 FT. SHIFT -0.02 FT.  
MAX GH: 0.48 FT. AT 13:00 ON Nov. 16, 2000

\*SPECIAL NOTE: Calendar Year 2000 flows do not represent the total flow of Little Spring Creek due to an unauthorized diversion taking water above the station until April 11, 2000.

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

BIG SPRING CREEK at MEDANO RANCH near GREAT SAND DUNES NATIONAL MONUMENT

LOCATION.--Lat 37°44'03", long 105°39'50"

DRAINAGE AREA AND PERIOD OF RECORD.--0.3 mi<sup>2</sup>. First record produced in 1999. Flow primarily due to groundwater accretions.

GAGE.--Station consists of a 2 ½ foot diameter stilling well at a 4' Parshall flume. Shelter and well are one unit with the top at ground level. Gage-height recorder is a Stevens Datalogger. Flume and station have been in place for several years. Elevation of gage is 7580 ft.

REMARKS.--Record is complete and reliable for the water year, except for the following periods: July 16 to August 2, 2001, when data was poor or missing because a solar battery charger failed. December 10, 2000 through February 27, 2001, when the well was frozen. Record good, except for periods described above, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

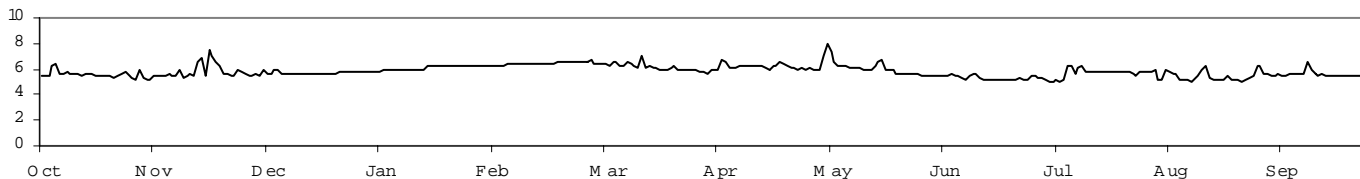
RATING TABLE.--BIGSPGCO01 USED FROM 01-OCT-2000 TO 03-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	5.4	5.9	5.8	6.2	6.7	5.8	5.9	5.5	5.5	5.8	6.2
2	5.4	5.4	5.7	5.8	6.2	6.4	5.7	5.9	5.4	5.3	5.8	5.7
3	5.4	5.5	5.6	6	6.2	6.4	5.9	6	5.4	5.3	6	5.6
4	6.2	5.4	5.9	6	6.2	6.4	6	7	5.4	5.2	5.2	5.5
5	6.4	5.6	5.9	6	6.2	6.4	6	8	5.4	5	5.1	5.5
6	5.6	5.5	5.6	6	6.4	6.3	6.7	7.4	5.4	5	5.9	5.6
7	5.6	5.5	5.7	6	6.4	6.5	6.5	6.5	5.4	5.1	5.8	5.4
8	5.8	6	5.7	6	6.4	6.5	6.1	6.3	5.6	5	5.6	5.5
9	5.7	5.3	5.6	6	6.4	6.2	6.1	6.2	5.5	5.2	5.6	5.6
10	5.7	5.5	5.6	6	6.4	6.3	6.1	6.2	5.5	6.3	5.1	5.6
11	5.6	5.7	5.6	6	6.4	6.6	6.3	6.1	5.3	6.3	5.1	5.6
12	5.5	5.4	5.6	6	6.4	6.4	6.2	6.1	5.2	5.7	5.1	5.6
13	5.7	6.6	5.6	6	6.4	6.3	6.3	6.1	5.4	6.1	5	5.6
14	5.7	6.8	5.6	6	6.4	6.1	6.2	6.1	5.7	6.2	5.3	6.6
15	5.7	5.5	5.6	6.2	6.4	7.1	6.2	6	5.6	5.8	5.4	5.9
16	5.5	7.5	5.6	6.2	6.4	6.1	6.2	6	5.3	5.8	6	5.6
17	5.4	7.1	5.6	6.2	6.4	6.2	6.2	6	5.2	5.8	6.3	5.5
18	5.4	6.5	5.6	6.2	6.4	6.1	6.1	6.2	5.2	5.8	5.3	5.6
19	5.4	6.2	5.6	6.2	6.4	6.1	6	6.5	5.2	5.8	5.2	5.5
20	5.4	5.7	5.6	6.2	6.6	6	6.2	6.7	5.1	5.8	5.2	5.5
21	5.3	5.6	5.6	6.2	6.6	5.9	6.2	6	5.1	5.8	5.1	5.5
22	5.4	5.4	5.8	6.2	6.6	6	6.6	6	5.1	5.8	5.2	5.5
23	5.6	5.4	5.8	6.2	6.6	6.1	6.4	5.9	5.2	5.8	5.4	5.5
24	5.8	5.9	5.8	6.2	6.6	6.2	6.2	5.7	5.2	5.8	5.2	5.5
25	5.4	5.8	5.8	6.2	6.6	6	6.1	5.7	5.2	5.8	5.1	5.4
26	5.3	5.6	5.8	6.2	6.6	6	6.1	5.7	5.1	5.8	5.2	5.4
27	5.2	5.4	5.8	6.2	6.6	5.9	6	5.7	5.3	5.8	5	5.4
28	5.9	5.4	5.8	6.2	6.6	5.9	6.1	5.6	5.2	5.6	5.1	5.4
29	5.3	5.6	5.8	6.2	---	6	6	5.6	5.2	5.4	5.3	5.4
30	5.2	5.4	5.8	6.2	---	5.9	6.1	5.7	5.5	5.8	5.4	5.3
31	5.2	---	5.8	6.2	---	5.8	---	5.5	---	5.8	6.3	---
TOTAL	172.1	173.6	176.8	189	180	192.8	184.6	190.3	159.8	175.2	168.1	167.5
MEAN	5.5	5.8	5.7	6.1	6.4	6.2	6.2	6.1	5.3	5.7	5.4	5.6
AC-FT	341	344	351	375	357	382	366	377	317	348	333	332
MAX	6.4	7.5	5.9	6.2	6.6	7.1	6.7	8	5.7	6.3	6.3	6.6
MIN	5.2	5.3	5.6	5.8	6.2	5.8	5.7	5.5	5.1	5	5	5.3
CAL YR 2000	TOTAL	2134.4	MEAN	5.83	MAX	8.7	MIN	4.7	AC-FT	4230		
WTR YR 2001	TOTAL	2129.8	MEAN	5.84	MAX	8	MIN	5	AC-FT	4220		

MAX DISCH: 13.3 CFS AT 12:30 ON Nov. 16, 2000 GH 0.99 FT. SHIFT -0.1 FT.  
MAX GH: 0.99 FT. AT 12:30 ON Nov. 16, 2000

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO

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

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

**GAGE.**--Water-stage recorder and Stevens data logger in a 4' diameter well and shelter. Datum of gage is 8,150 ft. from topographic map.

**REMARKS.**--Record is complete and reliable except for the following periods: November 12-15, 2000, and April 13-18, 2001, when ice in the well was affecting the floats. November 16, 2000 to April 3, 2001, while the station was closed for the winter. Gage-height affected by ice November 1-11, 2000. Record good, except that for periods of missing and ice-affected data, which is poor. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--CARLAGCO15 USED FROM 01-OCT-2000 TO 30-SEP-2001

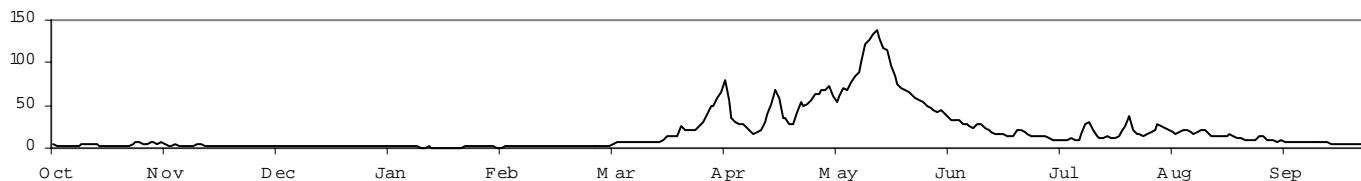
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	3.8	2.9	1.8	1.1	2.1	50	64	47	13	18	13
2	3	3.4	2.7	1.9	1.1	2.1	50	69	44	13	22	10
3	2.8	3.4	2.7	1.9	1.4	2.3	58	68	43	13	28	9.4
4	2.8	3.6	2.7	1.9	1.7	3	65	72	44	11	25	8.6
5	3.3	3.5	2.7	1.9	1.6	4	80	60	39	10	24	8.1
6	3.4	3.4	2.8	1.9	1.5	6	57	55	35	10	20	9.1
7	3.3	3.4	2.7	1.6	1.6	7	34	61	33	9.2	18	8.2
8	3.4	3.4	2.8	1.2	1.6	6.6	31	71	33	8.8	17	7.5
9	3.9	3.5	2.8	1.2	1.4	6.4	29	69	32	10	18	7
10	3.9	3.6	2.8	1.4	1.2	6.8	28	77	29	11	20	6.8
11	3.8	3.6	2.7	1.1	1.4	6.4	23	85	27	10	21	6.5
12	3.8	3.2	2.7	1.1	1.3	6.4	20	89	25	9.5	18	6.4
13	3.6	3.2	2.4	1.2	1.4	7.4	16	101	24	17	16	6.2
14	3.3	3.2	2.4	1.1	1.5	7	18	121	28	28	18	6.8
15	3.3	3.3	2.5	.9	1.4	7	22	127	27	31	20	6.8
16	3.3	3.2	2.5	.8	1.4	7	30	133	23	20	22	6.2
17	3.1	3.2	2.3	.7	1.4	7.6	39	139	20	13	17	6.1
18	3.3	3.3	2.3	.8	1.7	7	51	129	18	12	15	6.7
19	3.3	3.4	2.2	.9	1.7	9	68	118	17	11	14	6.5
20	3.3	3.4	2.4	1	1.7	13	58	116	17	13	13	5.8
21	3.3	3.2	2.2	1.1	2	13	36	97	16	12	14	5.6
22	3.3	3.4	2.2	1	2	15	34	84	15	12	15	5.6
23	5	3.4	2.2	1.3	2	15	27	76	14	15	16	5.5
24	8	3.2	2.2	1.2	2	25	29	71	14	19	13	5.4
25	6.2	3.2	2.3	1.3	1.9	22	42	68	21	26	12	5.4
26	5	3	2.2	1.2	2.2	22	53	65	20	37	11	5.5
27	4.3	3.1	2.1	1.4	2.2	22	49	62	18	22	10	5.4
28	6.5	3.2	2.1	1.5	2.2	21	52	59	16	17	9.9	5.2
29	6.7	3.1	2	1.4	---	25	56	56	14	16	10	4.9
30	5.2	2.9	2	1.3	---	30	64	53	14	14	10	5.4
31	6	---	2.1	1.2	---	40	---	49	---	17	13	---
TOTAL	127	99.7	75.6	40.2	45.6	374.1	1269	2564	767	480.5	517.9	205.6
MEAN	4.1	3.3	2.4	1.3	1.6	12.1	42	83	26	15.5	16.7	6.8
AC-FT	252	198	150	80	90	742	2520	5090	1520	953	1030	408
MAX	8	3.8	2.9	1.9	2.2	40	80	139	47	37	28	13
MIN	2.8	2.9	2	.7	1.1	2.1	16	49	14	8.8	9.9	4.9

CAL YR 2000 TOTAL 2597 MEAN 7.10 MAX 35 MIN 1.1 AC-FT 5150  
WTR YR 2001 TOTAL 6566.2 MEAN 18 MAX 139 MIN .7 AC-FT 13020

MAX DISCH: 150 CFS AT 08:00 ON May. 17, 2001 GH 3.33 FT. SHIFT -0.11 FT.  
MAX GH: 3.33 FT. AT 08:00 ON May. 17, 2001

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



CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO

**LOCATION.**--Lat 37°48'48", long 106°19'05", 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 AND PERIOD OF RECORD.**--61 mi<sup>2</sup>. Non-recording station Apr. 01, 1919-June 23, 1927. Recording station from June 1927-Oct. 1998, at which time a Data Logger was installed. April 1999 satellite telemetry system installed. Station at various sites all within ¼ mile of present site.

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

**REMARKS.**--Record is complete and reliable except for the following periods; Nov. 13-30, Dec. 1-4, 2000, April 3-5, 2001 when the well was frozen, April 20, 25, 30, and May 10, 12, 2001, when the inlets were plugged. Dec. 5, 2000 to April 2, 2001, when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 6-12, 2000. Record is good, except for periods of missing gage heights and ice-affected record, which is poor. Station maintained and record developed by the Division III Hydrographic Staff.

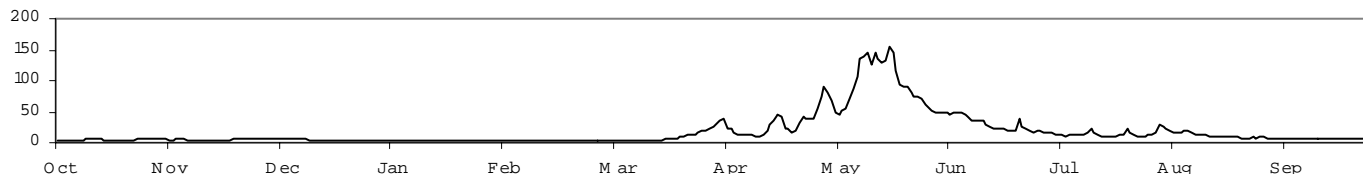
**RATING TABLE.**--LAGLAGCO12 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	3.5	5	3.2	3.3	3.6	27	74	52	18	14	8.7
2	4.1	4.3	5	3.2	3.5	3.6	30	90	50	17	15	7.9
3	3.8	4.9	5.2	3.4	3.8	3.7	34	82	49	16	28	7.2
4	3.9	5.2	5.2	3.6	3.8	3.9	38	68	49	15	26	7
5	4.4	5.4	5.4	3.6	3.6	4.1	23	50	48	14	23	6.9
6	4.2	3.8	5.4	3.6	3.6	4.4	23	45	46	13	19	7.9
7	4.1	3.6	5.2	3.2	3.9	4.4	15	51	49	12	16	6.8
8	4.6	2.8	5.2	2.8	3.8	4.4	14	56	50	11	15	6.4
9	5.1	3.8	5.2	3	3.3	4.4	13	70	49	12	15	5.6
10	5.1	4.6	4.8	3.4	3.1	4.4	14	88	46	13	19	5.6
11	4.9	4.6	4.4	3.1	3.4	4.1	12	105	43	13	18	5.5
12	5	4.4	4.4	3.1	3.4	4.3	12	134	37	12	15	5.4
13	4.9	4.4	4.2	3.2	3.6	4.5	10	140	35	14	14	5.5
14	4.3	4.6	4.2	2.9	3.6	4.3	11	144	37	15	14	6.1
15	4.3	4.8	4.6	2.7	3.4	4.1	13	127	35	24	14	5.9
16	4.2	4.6	4.6	2.7	3.4	4.3	19	146	28	16	14	5.9
17	4.1	4.6	4	2.3	3.4	4.3	30	135	25	12	11	6.3
18	4	4.8	3.9	2.5	4	4.3	35	130	23	10	10	7.1
19	4.1	5	3.6	2.7	4	5	45	131	21	9.8	9.5	6.8
20	4.1	5.2	4	2.8	3.9	6	41	154	21	10	9.3	6.3
21	4	5	3.9	2.9	4	7	23	146	22	10	9.5	6.1
22	4.2	5.2	3.8	3	4	8	22	115	20	11	10	6
23	5.5	5.4	3.7	3.3	4	9	16	94	18	13	10	6.1
24	6.7	5.2	3.7	3.1	3.9	10	19	89	19	13	8.7	5.9
25	5	5	3.8	3.3	3.7	12	31	90	39	21	8.1	5.8
26	4.9	5	3.6	3.1	3.9	13	43	80	27	16	8	5.9
27	5.5	5.2	3.7	3.4	3.9	14	40	74	22	13	7.3	5.8
28	6.8	5.4	3.8	3.4	3.9	15	38	74	19	11	7.9	5.6
29	6.1	5	3.4	3.4	---	18	39	70	17	9.5	8.1	5.6
30	5.3	5.2	3.4	3.1	---	19	54	61	18	8.9	7.6	5.8
31	6	---	3.6	3.2	---	23	---	55	---	12	9.3	---
TOTAL	147.9	140.5	133.9	96.2	103.1	234.1	784	2968	1014	415.2	413.3	189.4
MEAN	4.8	4.7	4.3	3.1	3.7	7.5	26	96	34	13.4	13.3	6.3
AC-FT	293	279	266	191	204	464	1560	5890	2010	824	820	376
MAX	6.8	5.4	5.4	3.6	4	23	54	154	52	24	28	8.7
MIN	3.8	2.8	3.4	2.3	3.1	3.6	10	45	17	8.9	7.3	5.4
CAL YR 2000	TOTAL	2812.8	MEAN	7.69	MAX	33	MIN	2.3	AC-FT	5580		
WTR YR 2001	TOTAL	6639.6	MEAN	18.2	MAX	154	MIN	2.3	AC-FT	13170		

MAX DISCH: 186 CFS AT 02:15 ON May. 15, 2001 GH 3.2 FT. SHIFT 0.07 FT.  
MAX GH: 3.2 FT. AT 02:15 ON May. 15, 2001

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



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.**--Graphic water-stage recorder in a 4-ft. diameter metal shelter and well. Gage is also equipped with a Sutron river satellite monitoring system with thermistor. Datum of gage is 8,600 ft., from topographic map.

**REMARKS.**--Record is complete and reliable except for Dec. 12-26, 2000 when the well was frozen; and Dec. 27, 2000 through Mar. 21, 2001 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 6 through Dec. 11, 2000, and Mar. 22-27, Apr. 1-2, 2001. Record is good except for the periods of ice affected and no gage height record which is poor. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--ALATERCO15 USED FROM 01-OCT-2000 TO 27-DEC-2000  
ALATERCO16 USED FROM 21-MAR-2001 TO 30-SEP-2001

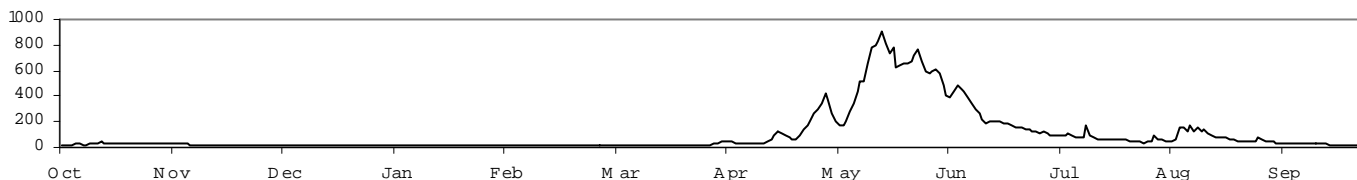
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	26	15	14	10	11	27	349	593	116	43	68
2	20	25	15	14	11	12	39	423	608	119	96	52
3	19	26	14	14	12	12	48	378	585	107	59	48
4	21	26	14	15	12	12	51	272	492	100	65	43
5	31	25	14	15	12	14	54	208	410	94	50	39
6	26	17	15	15	12	15	43	172	394	88	53	38
7	23	17	15	14	13	17	37	171	432	87	46	35
8	23	17	15	14	12	17	35	205	478	86	55	33
9	26	18	15	15	11	16	31	280	458	103	152	31
10	27	19	14	15	10	16	35	348	433	86	160	30
11	31	18	14	14	11	15	31	443	384	83	129	27
12	40	17	13	13	12	14	30	521	343	74	176	27
13	37	15	13	13	11	14	27	522	302	72	118	27
14	31	16	14	12	11	14	30	650	266	170	151	28
15	29	16	13	12	10	14	33	787	221	99	127	29
16	30	15	14	12	11	14	44	800	195	82	135	27
17	28	15	13	11	11	15	67	834	201	70	108	25
18	29	16	12	11	12	14	98	901	208	61	94	26
19	29	16	12	11	12	14	121	811	207	58	81	24
20	29	16	13	12	11	16	112	734	199	58	74	22
21	29	17	13	12	11	19	88	781	188	56	71	22
22	29	18	13	12	11	20	76	619	182	66	74	21
23	33	17	14	13	12	20	64	640	168	58	66	21
24	35	16	15	12	11	20	69	661	158	63	56	20
25	34	15	15	12	11	20	97	662	161	59	50	20
26	27	15	14	11	12	20	143	678	152	52	48	19
27	28	17	15	12	12	20	173	726	148	49	44	19
28	37	16	15	12	12	23	203	761	136	50	49	19
29	35	15	15	11	---	21	262	676	128	43	46	18
30	29	16	14	11	---	20	292	593	126	39	44	19
31	32	---	14	10	---	21	---	571	---	48	71	---
TOTAL	899	538	434	394	319	510	2460	17177	8956	2396	2591	877
MEAN	29	18	14	13	11	17	82	554	299	77	84	29
AC-FT	1780	1070	861	781	633	1010	4880	34070	17760	4750	5140	1740
MAX	40	26	15	15	13	23	292	901	608	170	176	68
MIN	19	15	12	10	10	11	27	171	126	39	43	18

CAL YR	2000	TOTAL	17599	MEAN	48	MAX	379	MIN	9	AC-FT	34910
WTR YR	2001	TOTAL	37551	MEAN	103	MAX	901	MIN	10	AC-FT	74480

MAX DISCH: 908 CFS AT 00:15 ON May. 18, 2001 GH 3.04 FT. SHIFT 0 FT.  
MAX GH: 3.04 FT. AT 00:15 ON May. 18, 2001

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



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for Dec. 18-26, 2000, when the well was frozen; Dec. 27, 2000 through Mar. 21, 2001, when the station was closed for the winter. Record is good except for the periods of ice affected and no gage height record which are fair to poor. Station maintained and record developed by the Division III Hydrographic Staff.

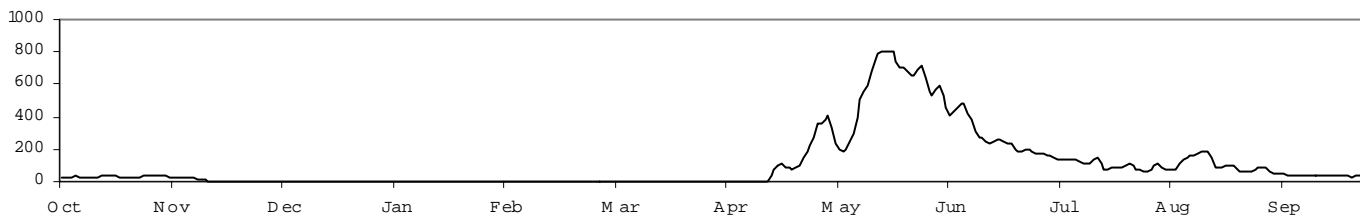
**RATING TABLE.**--ALABELCO12 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	24	1.8	1.9	2.5	2.8	3.7	363	527	179	69	91
2	24	24	1.8	1.9	2.5	2.8	3.8	382	568	179	93	91
3	25	23	1.8	1.9	2.5	2.9	4.2	406	590	165	106	66
4	26	24	1.8	1.9	2.5	2.9	4	329	531	155	86	52
5	32	23	1.8	2	2.5	2.9	3.9	240	453	146	69	49
6	28	23	1.8	2	2.5	2.9	3.9	193	413	141	69	47
7	25	23	1.8	2	2.5	3	3.6	185	436	140	69	45
8	25	18	1.8	2	2.5	3	3.6	202	459	139	69	42
9	25	15	1.8	2.1	2.6	3	3.7	241	481	139	105	42
10	24	7.5	1.8	2.1	2.6	3	3.9	300	477	139	133	42
11	27	1.8	1.8	2.1	2.6	3.1	3.8	390	422	140	149	42
12	35	1.8	1.8	2.1	2.6	3.1	3.9	506	381	119	155	41
13	38	1.8	1.8	2.2	2.6	3.1	3.9	554	307	107	155	39
14	38	1.7	1.8	2.2	2.6	3.1	3.9	595	271	107	172	39
15	38	1.8	1.8	2.2	2.6	3.2	4.1	678	270	117	184	42
16	34	1.8	1.8	2.2	2.6	3.2	4.1	759	246	139	183	42
17	29	1.7	1.8	2.3	2.6	3.2	4.2	788	233	148	182	42
18	29	1.6	1.8	2.3	2.6	3.2	73	800	249	105	147	42
19	29	1.6	1.8	2.3	2.6	3.2	100	805	260	75	85	42
20	29	1.6	1.8	2.3	2.6	3.2	112	800	258	74	85	42
21	29	1.6	1.8	2.4	2.6	3.2	91	799	242	81	85	39
22	29	1.6	1.8	2.4	2.6	3.3	81	740	233	83	93	37
23	29	1.6	1.8	2.4	2.7	3.3	73	709	233	83	99	37
24	35	1.6	1.8	2.4	2.7	3.3	81	705	200	87	99	37
25	38	1.6	1.8	2.4	2.7	3.3	96	673	184	99	75	31
26	38	1.6	1.8	2.4	2.7	3.3	147	650	184	106	64	30
27	38	1.6	1.8	2.4	2.8	3.3	182	651	193	95	64	31
28	40	1.7	1.8	2.5	2.8	3.3	220	695	200	77	64	31
29	42	1.8	1.8	2.5	---	3.4	266	716	187	72	67	31
30	39	1.8	1.8	2.5	---	3.4	361	646	179	65	69	31
31	29	---	1.8	2.5	---	3.6	---	558	---	63	81	---
TOTAL	968	238.2	55.8	68.8	72.8	97.5	1987	17058	9867	3564	3225	1315
MEAN	31	7.9	1.8	2.2	2.6	3.1	66.2	550	329	115	104	44
AC-FT	1920	472	111	136	144	193	3940	33830	19570	7070	6400	2610
MAX	42	24	1.8	2.5	2.8	3.6	361	805	590	179	184	91
MIN	22	1.6	1.8	1.9	2.5	2.8	3.6	185	179	63	64	30
CAL YR 2000	TOTAL	20371.8	MEAN	55.7	MAX	457	MIN	1.6	AC-FT	40410		
WTR YR 2001	TOTAL	38517.1	MEAN	106	MAX	805	MIN	1.6	AC-FT	76400		

MAX DISCH: 812 CFS AT 10:00 ON May. 18, 2001 GH 4.88 FT. SHIFT -0.01 FT.  
MAX GH: 4.88 FT. AT 10:00 ON May. 18, 2001

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



RIO GRANDE BASIN

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

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

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

**GAGE.**--Graphic water-stage recorder with satellite telemetry in 4' diameter CMP shelter and well. Altitude of gage is 8,130 ft from topographic map.

**REMARKS.**--Record is complete and reliable except for Nov. 13-27, 2000, when the well was frozen, and Nov. 28, 2000 through Mar. 21, 2001, when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 7-12, 2000 and Mar. 22-23, 25-26, 2001. Record is good except for periods of no gage-height and ice affected record which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--LAJCAPCO18 USED FROM 01-OCT-2000 TO 30-SEP-2001

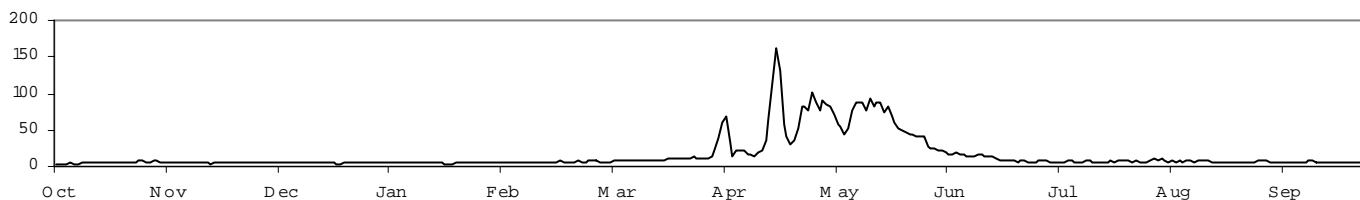
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4	5.5	5.6	4.4	4.2	6.2	14	78	25	7.4	7.2	8.6
2	3.9	5.3	5.6	4.4	4.8	6.8	21	91	24	7.8	11	7.1
3	3.8	5.5	5.6	4.4	5.4	6.8	38	84	22	7	9.1	6.4
4	4	5.7	5.4	5	5.6	6.8	60	81	22	6.4	11	6.1
5	4.3	5.8	5.4	4.8	5.6	8	69	71	18	6.2	7.7	5.9
6	4.1	5.4	5.6	5.2	6	8.6	34	57	17	5.8	6.8	5.9
7	4	5	5.8	5	6.8	9	15	55	17	5.6	6.9	5.6
8	4.2	5	5.8	4.6	6.4	9	22	45	18	5.7	6.2	5.4
9	4.8	5.4	5.8	4.8	5.6	8.6	22	53	17	7.6	7.2	5.4
10	4.6	5.6	5.4	4.8	5.2	8.6	22	78	16	7.7	6.5	5.2
11	4.9	5	5	4.6	6.2	8.2	17	88	15	6.7	7.2	4.8
12	5.3	4.4	4.8	4.4	6.4	8	17	87	15	6.3	7.4	5.1
13	5.2	4	4.4	4.6	6.4	8.4	14	88	15	6.7	6.7	5.5
14	4.5	4.4	4.8	4.2	5.8	8.4	18	78	16	8.7	7	7.7
15	4.3	4.8	4.4	4.4	5.4	8	23	93	16	7.2	6.9	8.8
16	4.4	4.4	4.6	4.4	5.6	8.4	35	81	15	6.2	7.3	6.8
17	4.5	4.4	4.4	4	6.4	8.6	62	88	15	5.8	7.6	6.3
18	4.4	4.6	3.8	4	7	8.2	111	87	14	6.1	6.8	6.1
19	4.6	4.8	3.8	4	6.8	8.6	161	74	9.9	5.9	6.2	6.1
20	4.6	5	4.2	4.4	6.4	9.6	131	81	7.2	6.2	5.9	5.7
21	4.6	5.4	4.2	4.4	6.8	10	57	68	7.1	6.9	5.9	5.9
22	4.9	6	4.4	5.2	6.8	10	40	60	7.7	6.8	5.9	5.7
23	5.5	5.8	4.8	6	7.2	10	30	52	7.6	7.1	6.2	5.8
24	8	5.4	4.8	5.6	6.6	11	35	48	7.2	7.5	5.9	5.7
25	7.1	5.2	4.8	5.6	6.4	11	52	47	6.8	7.3	5.8	5.7
26	6.1	5.4	4.6	5.2	7	12	81	45	7.3	7.1	5.4	5.9
27	5.4	5.8	4.8	6.2	7.4	14	83	43	7.1	6.5	5.2	5.8
28	7.8	5.8	4.8	6	7	11	77	41	6.8	7.5	5.3	5.8
29	8.8	5.6	4.6	5.4	---	11	101	41	6.6	6.5	5.7	5.7
30	6.6	6	4.6	5	---	11	88	40	6.3	6.1	5.7	5.9
31	5.8	---	4.4	4.6	---	12	---	27	---	6.3	8.5	---
TOTAL	159	156.4	151	149.6	173.2	285.8	1550	2050	404.6	208.6	214.1	182.4
MEAN	5.1	5.2	4.9	4.8	6.2	9.2	52	66	13.5	6.7	6.9	6.1
AC-FT	315	310	300	297	344	567	3070	4070	803	414	425	362
MAX	8.8	6	5.8	6.2	7.4	14	161	93	25	8.7	11	8.8
MIN	3.8	4	3.8	4	4.2	6.2	14	27	6.3	5.6	5.2	4.8

CAL YR 2000 TOTAL 3141.3 MEAN 8.58 MAX 43 MIN 2.7 AC-FT 6230  
WTR YR 2001 TOTAL 5684.7 MEAN 15.6 MAX 161 MIN 3.8 AC-FT 11280

MAX DISCH: 351 CFS AT 01:45 ON Apr. 19, 2001 GH 2.28 FT. SHIFT 0 FT.  
MAX GH: 2.28 FT. AT 01:45 ON Apr. 19, 2001

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



RIO GRANDE BASIN

SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO

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

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry in a steel shelter and a 24" diameter CMP well at a 3' Parshall Flume.

REMARKS.--Record is complete and reliable except for Nov. 21, 2000 to Mar. 16, 2001, when station was closed for the winter; and Nov. 19-20, 2000, when the well was frozen. Record is good except for periods of no gage-height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORDSCCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

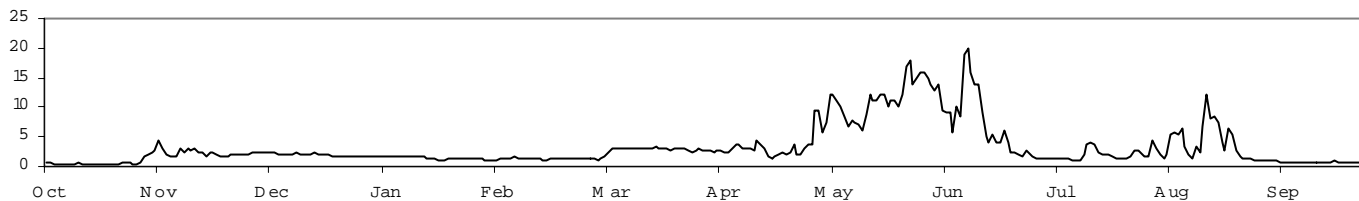
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.51	4.3	2.3	1.7	1	1.2	2.8	9.4	15	1.3	1.8	1
2	.56	3	2.3	1.7	1.1	1	2.7	9.4	14	1.3	4.3	1
3	.5	2.1	2.2	1.7	1.2	1.3	2.5	5.8	13	1.5	3.2	.96
4	.46	1.7	2	1.8	1.2	1.7	2.6	7.4	14	1.3	1.9	.95
5	.44	1.6	2	1.8	1.2	2.2	2.6	12	9.6	1.3	1.5	.92
6	.46	1.8	2.1	1.8	1.3	3	2.5	12	9.1	1.2	2.1	.74
7	.45	3.2	2	1.8	1.6	3.2	2.2	11	9	1.2	5.3	.68
8	.49	2.2	2.1	1.7	1.4	3.2	3	10	5.9	1.2	5.6	.68
9	.47	2.9	2.2	1.7	1.3	3.2	3.8	8.3	10	1.3	5.4	.7
10	.51	2.8	2.1	1.8	1.3	3	3.6	6.9	8.6	1.2	6.5	.68
11	.49	2.9	2	1.7	1.4	2.9	3.2	7.7	19	1.1	3.5	.7
12	.41	2.4	2	1.7	1.4	2.9	3.2	7.6	20	1.1	1.9	.79
13	.44	2.2	2	1.8	1.2	3	2.9	7.1	16	1.1	1.5	.75
14	.48	1.8	2.2	1.5	1.3	3	2.8	6.2	14	1.9	3.3	.68
15	.38	2.2	2.1	1.2	1.1	2.9	4.5	8.7	14	3.8	2.3	.68
16	.37	2.2	2	1.2	1.1	3	3.7	12	9	4.1	6.6	.75
17	.38	2	1.9	1	1.2	3.2	3.2	11	4.9	3.6	12	.69
18	.42	1.8	1.9	.9	1.3	3.3	1.6	11	4.2	2.5	8	.68
19	.43	1.7	1.6	1.1	1.3	3.2	1.5	12	5.5	2	8.5	.73
20	.45	1.6	1.7	1.3	1.3	3.2	1.6	12	4.2	1.9	7.6	.82
21	.49	1.9	1.7	1.2	1.4	3	1.9	10	3.9	1.9	4.2	.94
22	.51	2.1	1.8	1.3	1.3	2.8	2.5	11	6.1	1.6	2.8	.77
23	.55	2	1.7	1.3	1.4	2.9	2.1	11	3.9	1.5	6.4	.73
24	.53	1.9	1.7	1.3	1.3	3.1	2.2	10	2.5	1.4	5.5	.61
25	.5	2.1	1.7	1.3	1.4	2.9	3.8	12	2.2	1.4	2.8	.6
26	.47	2.1	1.7	1.2	1.5	2.9	2.1	17	1.9	1.4	1.8	.61
27	.81	2.3	1.6	1.3	1.5	2.7	2	18	1.8	1.7	1.4	.61
28	1.6	2.2	1.7	1.3	1.3	2.5	3.2	14	2.6	2.8	1.3	.61
29	2.1	2.2	1.6	1.2	---	2.8	3.8	15	2.5	2.6	1.2	.62
30	2.2	2.4	1.6	1.1	---	2.9	3.8	16	1.7	1.9	.98	.61
31	2.8	---	1.6	1	---	2.8	---	16	---	1.8	.96	---
TOTAL	21.66	67.6	59.1	44.4	36.3	84.9	83.9	337.5	248.1	55.9	122.14	22.29
MEAN	.7	2.3	1.9	1.43	1.3	2.7	2.8	10.9	8.3	1.8	3.94	.74
AC-FT	43	134	117	88	72	168	166	669	492	111	242	44
MAX	2.8	4.3	2.3	1.8	1.6	3.3	4.5	18	20	4.1	12	1
MIN	.37	1.6	1.6	.9	1	1	1.5	5.8	1.7	1.1	.96	.6

CAL YR 2000	TOTAL	1080.97	MEAN	2.95	MAX	15	MIN	.37	AC-FT	2140
WTR YR 2001	TOTAL	1183.79	MEAN	3.24	MAX	20	MIN	.37	AC-FT	2350

MAX DISCH: 23.1 CFS AT 23:00 ON Jun. 11, 2001 GH 1.44 FT. SHIFT 0.08 FT.

MAX GH: 1.44 FT. AT 23:00 ON Jun. 11, 2001

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





RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO

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

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry in a 36" diameter CMP shelter and well at a 6' Parshall Flume.

REMARKS.--Record is complete and reliable except for Oct. 6-20, 25-27, 2000, when the well was isolated; Nov. 17-20, 2000, when the well was frozen; Nov. 21, 2000 to Mar. 16, 2001, when the station was closed for the winter; and May 2-4, 2001, when the chart recorder and shaft encoder malfunctioned. Stage-discharge relation was affected by ice Nov. 1, 12-16, 2000. Record is good except for periods of no gage-height and ice affected record which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--NORDLSCO03 USED FROM 01-OCT-2000 TO 30-SEP-2001

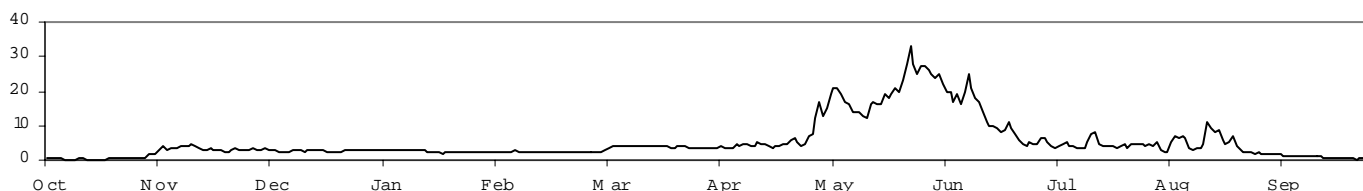
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.37	3	2.9	2.8	2.1	2.3	3.5	12	26	4.5	4.4	1.6
2	.75	3.8	2.9	2.8	2.2	2.1	3.6	17	25	6.2	3.8	1.6
3	.5	3.1	2.8	2.8	2.3	2.4	3.5	13	24	6.4	5.1	1.7
4	.52	3.3	2.5	2.9	2.3	2.8	3.5	15	25	5.5	3.1	1.7
5	.41	3.2	2.5	2.9	2.3	3.2	3.9	19	22	4	2.5	1.7
6	.26	3.3	2.6	2.9	2.4	4	3.7	21	20	3.7	2.5	1.5
7	.26	4	2.5	2.9	2.7	4.2	3.6	21	20	3.9	5	1.3
8	.26	4	2.7	2.8	2.5	4.2	3.7	19	17	4.9	6.9	1.1
9	.26	3.9	2.8	2.8	2.4	4.2	4.6	17	19	5.1	6.4	1.2
10	.3	4.4	2.7	2.9	2.4	4	4.3	16	16	4.1	6.8	1.1
11	.3	4.2	2.6	2.8	2.5	3.9	4.4	14	20	4.2	6.1	1
12	.26	3.3	2.7	2.8	2.5	3.9	4.4	14	25	3.7	3.6	1
13	.26	2.9	2.7	2.9	2.3	4	4.2	14	21	3.3	2.9	1
14	.26	2.9	2.8	2.6	2.4	4	4.2	13	18	3.4	3.5	1
15	.26	3.2	2.7	2.3	2.2	3.9	5.4	12	17	5	3.4	1
16	.26	2.9	2.7	2.3	2.2	4	4.7	16	14	7.8	4.8	.96
17	.26	2.9	2.6	2.1	2.3	3.9	4.6	17	11	8	11	.93
18	.3	3	2.6	1.9	2.4	3.9	4.2	16	9.9	4.4	9.3	.82
19	.3	2.1	2.5	2.2	2.4	4	3.7	16	10	4	8.2	.47
20	.3	2.4	2.6	2.4	2.4	3.9	3.9	19	9.2	4.2	8.6	.47
21	.4	2.8	2.6	2.3	2.5	3.8	4.1	18	8.4	4.3	5.8	.62
22	.41	3.2	2.7	2.4	2.4	3.6	4.6	19	8.9	3.8	4.5	.74
23	.38	3	2.7	2.4	2.5	3.7	4.6	21	11	3.7	5.2	.71
24	.59	2.8	2.7	2.4	2.4	3.9	5.6	20	9	3.8	7.2	.66
25	.4	3	2.9	2.4	2.5	3.8	6.2	23	7.8	4.7	4.3	.47
26	.36	3	2.8	2.3	2.6	3.8	5	28	5.7	3.3	3.1	.29
27	.6	3.2	2.7	2.4	2.6	3.6	4.2	33	4.4	4.9	2.5	.28
28	.82	3	2.8	2.4	2.4	3.5	4.8	28	3.9	4.9	2.6	.79
29	1.5	3	2.7	2.3	---	3.6	7	25	5.1	4.7	2.1	.77
30	1.5	3.2	2.7	2.2	---	3.7	7.4	27	4.5	4.4	2	.79
31	1.9	---	2.7	2.1	---	3.6	---	27	---	4	2.2	---
TOTAL	15.51	96	83.4	78.4	67.1	113.4	135.1	590	437.8	142.8	149.4	29.27
MEAN	.5	3.2	2.7	2.5	2.4	3.7	4.5	19	14.6	4.6	4.8	.98
AC-FT	31	190	165	156	133	225	268	1170	868	283	296	58
MAX	1.9	4.4	2.9	2.9	2.7	4.2	7.4	33	26	8	11	1.7
MIN	.26	2.1	2.5	1.9	2.1	2.1	3.5	12	3.9	3.3	2	.28

CAL YR	2000	TOTAL	2022.46	MEAN	5.53	MAX	32	MIN	0.20	AC-FT	4010
WTR YR	2001	TOTAL	1938.18	MEAN	5.31	MAX	33	MIN	0.26	AC-FT	3840

MAX DISCH: 34.7 CFS AT 04:00 ON May. 27, 2001 GH 1.12 FT. SHIFT 0.14 FT.  
MAX GH: 1.12 FT. AT 04:00 ON May. 27, 2001

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



RIO GRANDE BASIN

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

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--5,740 mi<sup>2</sup>., approximately, includes 2,940 mi<sup>2</sup>. in closed basin in northern part of San Luis Valley, Co. May 1936 to current year. Water quality data from 1993 to 1996.

**GAGE.**--Water-stage recorder with satellite telemetry. Elevation of gage is 7,500 ft, estimated from nearby level lines. Although the name of the station is Rio Grande above Mouth of Trinchera Creek, over a period of years Trinchera Creek has shifted allowing the majority of Trinchera Creek water to enter the Rio Grande River above the station.

**REMARKS.**--Record is complete and reliable except for Nov. 16-20, 2000 and Feb. 25, Mar. 1-3, 2001, when the well was frozen; Nov. 21, 2000 through Feb. 22, 2001, when the station was closed for the winter; and Aug. 10-13, 2001, when the inlets were plugged. Stage-discharge relation affected by ice Nov. 8, 13-15, 2000. Record is good except for periods of no gage height, ice affected record, and plugged inlets, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--RIOTRICO11 USED FROM 01-OCT-2000 TO 30-SEP-2001

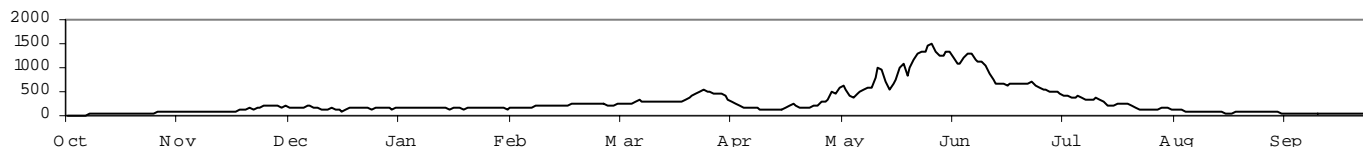
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	71	195	160	145	225	448	276	1340	557	130	88
2	19	73	175	170	155	220	461	319	1250	537	144	87
3	18	73	165	155	160	225	436	480	1260	502	157	89
4	14	72	175	155	170	235	339	465	1330	505	160	85
5	11	66	175	165	175	231	291	593	1330	511	147	69
6	17	63	175	175	185	240	263	607	1220	449	145	62
7	26	67	190	175	180	259	201	561	1070	409	129	49
8	38	69	190	185	175	266	159	398	1070	399	131	40
9	40	77	175	165	190	286	167	380	1210	394	111	34
10	36	92	155	165	210	315	156	446	1300	394	90	34
11	29	91	145	175	205	297	156	493	1280	427	80	35
12	35	100	125	165	215	307	148	529	1180	389	80	29
13	35	95	130	155	210	297	141	595	1140	348	75	26
14	51	85	150	160	195	311	137	595	1110	322	76	32
15	59	95	130	150	215	303	135	800	1060	334	72	41
16	44	85	105	140	220	291	135	1010	893	360	67	43
17	55	85	95	155	220	296	136	938	735	321	77	46
18	42	110	130	155	225	296	136	717	650	277	74	40
19	32	125	160	155	235	295	134	543	665	225	67	31
20	39	135	150	140	245	291	168	656	657	211	65	31
21	51	155	150	150	270	292	225	762	640	223	60	35
22	55	130	155	160	260	307	264	992	658	239	53	38
23	51	160	155	160	256	332	212	1080	676	234	55	34
24	54	160	155	165	242	355	153	842	675	251	66	36
25	53	190	145	165	250	400	167	1010	675	263	86	45
26	68	195	165	175	261	448	177	1170	657	211	88	40
27	72	200	165	160	243	513	180	1290	646	173	79	39
28	68	200	155	160	232	533	203	1340	690	145	73	43
29	66	205	160	160	---	515	198	1330	634	140	71	43
30	70	180	150	165	---	508	273	1440	572	136	78	42
31	75	---	145	155	---	468	---	1500	---	126	84	---
TOTAL	1343	3504	4790	4995	5944	10157	6399	24157	28273	10012	2870	1386
MEAN	43	117	155	161	212	328	213	779	942	323	93	46
AC-FT	2660	6950	9500	9910	11790	20150	12690	47920	56080	19860	5690	2750
MAX	75	205	195	185	270	533	461	1500	1340	557	160	89
MIN	11	63	95	140	145	220	134	276	572	126	53	26

CAL YR	2000	TOTAL	48674	MEAN	133	MAX	355	MIN	3.6	AC-FT	96540
WTR YR	2001	TOTAL	103830	MEAN	284	MAX	1500	MIN	11	AC-FT	205900

MAX DISCH: 1510 CFS AT 03:15 ON May. 31, 2001 GH 5.67 FT. SHIFT -0.25 FT.  
MAX GH: 5.67 FT. AT 03:15 ON May. 31, 2001

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



## RIO GRANDE BASIN

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

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

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

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

**REMARKS.**--Record is complete and reliable except for Jan. 14-31, Feb. 1-8, 2001, when the well was frozen. Stage-discharge relation was affected by ice Nov.6-10, 12-21, 24-29, Dec.1-8, 10-24, 27, 29-31, 2000, Jan.1-3, 5, 7-13, Feb. 9, 10, 12, 13, 15-17, 24, 25, 26, Mar. 1-5, 11-16, 19, 20, 2001. Record is good except for periods of ice affected or no gage height record, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

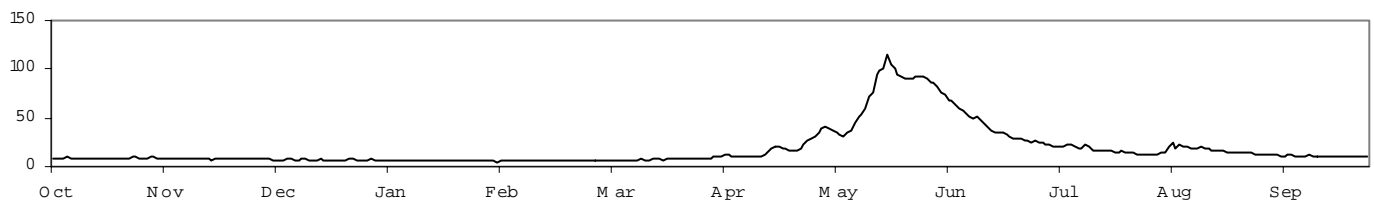
**RATING TABLE.**--TRITURCO12 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	8.2	6.8	6.6	5	6.2	8.5	34	86	25	12	13
2	7.6	8.7	6.8	6.2	5.4	6	9.6	39	86	25	13	13
3	7.6	8.4	6.8	6	5.8	6.2	10	42	83	23	12	13
4	8.6	8.7	6.8	6.3	6	6.6	11	39	77	22	14	12
5	9.4	8.8	7.4	6.2	5.8	6.6	12	38	73	21	14	12
6	8.3	7.7	7.2	6.2	6.6	6.8	13	34	67	21	21	11
7	8.3	7.5	6.8	6	7	6.8	11	32	67	21	25	11
8	8.9	7.8	7	6	6.4	7	10	31	64	20	19	12
9	8.7	8.4	7.5	6	6.4	7	9.8	34	60	22	23	12
10	8.6	8.6	7.2	6.4	6.4	7.1	10	38	57	22	20	11
11	8.3	8.4	7	6.2	6.5	6.8	9.5	46	54	20	20	11
12	8.9	7.6	7	6.2	6.4	7	11	51	52	18	19	11
13	8.7	7.2	7	6.4	6.4	7.2	10	54	50	19	19	11
14	8.3	6.8	7.2	6	6.5	7	10	60	51	22	19	12
15	8.3	7.4	7	5.6	6.2	6.8	11	72	47	20	21	11
16	8.3	7.2	6.8	5.8	5.8	7.2	12	76	43	17	19	11
17	8.3	7.4	6.4	5.6	6.2	7.4	15	95	39	17	18	11
18	8.3	7.4	6.2	5.2	6.2	7.2	18	99	37	16	17	11
19	8.4	8	6	5.6	6.2	7	21	101	35	16	17	10
20	8.3	8.2	6.6	5.8	6.1	7.4	21	116	34	16	16	10
21	8.3	8	6.8	5.6	6.1	8.6	18	104	34	16	16	10
22	8.8	8.3	7.2	5.6	6.3	8.7	18	101	32	15	15	10
23	9.6	8.2	7.2	6	6.2	8.5	17	94	31	15	15	10
24	10	7.8	6.8	6	6.2	8.6	16	92	29	16	15	10
25	9.1	8	6.9	5.6	6.4	9.1	17	90	28	15	14	9.8
26	8.5	7.8	7	5.8	6.4	9.2	19	90	28	15	14	9.8
27	8.6	8.2	6.6	6	6.5	8.9	23	91	27	14	14	9.8
28	10	8	7.4	6	6.5	8.6	26	92	26	13	14	9.8
29	9.5	8	7	5.8	---	8.3	28	93	25	12	14	9.7
30	9.1	7.7	7	5.6	---	8.1	31	93	26	12	13	10
31	8.8	---	6.8	5.4	---	8	---	90	---	13	13	---
TOTAL	268.2	238.4	214.2	183.7	173.9	231.9	456.4	2161	1448	559	515	327.9
MEAN	8.7	8	6.9	5.9	6.2	7.5	15.2	70	48	18	17	10.9
AC-FT	532	473	425	364	345	460	905	4290	2870	1110	1020	650
MAX	10	8.8	7.5	6.6	7	9.2	31	116	86	25	25	13
MIN	7.6	6.8	6	5.2	5	6	8.5	31	25	12	12	9.7
CAL YR 2000	TOTAL	5457.3	MEAN	14.9	MAX	63	MIN	5.2	AC-FT	10820		
WTR YR 2001	TOTAL	6777.6	MEAN	18.6	MAX	116	MIN	5	AC-FT	13440		

MAX DISCH: 123 CFS AT 05:45 ON May. 20, 2001 GH 2.3 FT. SHIFT -0.16 FT.  
MAX GH: 2.75 FT. AT 08:45 ON Jan. 14, 2001

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



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO

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

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

**GAGE.**--Graphic water-stage recorder in a 4' diameter corrugated metal shelter and well. Sutron satellite sysem insatlld April 24, 2001.

**REMARKS.**--Record is complete and reliable. Record is good. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--TRIMTNC06 USED FROM 01-OCT-2000 TO 30-SEP-2001

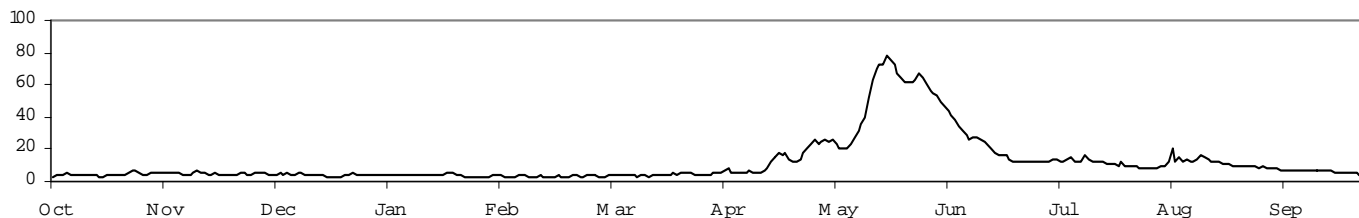
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	4.9	4.5	4.2	3.5	3.2	4.2	23	56	12	8	9
2	3.5	5.3	4.5	4.1	3.5	3.2	4.9	24	55	13	8.7	8.4
3	3.5	4.9	4.8	3.6	3	3.2	5.3	26	53	12	8	8.7
4	3.9	5.6	4.6	3.7	3	3.5	5.9	25	50	12	9.1	8
5	5.3	5.6	4.9	3.6	3	3.5	6.3	26	47	14	10	7.7
6	3.5	4.2	4.6	3.7	3	3.5	7.8	23	44	14	12	7.1
7	3.5	4.2	4.6	3.8	3.5	3.9	5.9	21	41	13	20	6.8
8	4.2	4.6	5.3	3.5	3.5	3.9	5.9	20	38	13	13	7.1
9	4.2	4.9	4.9	3.9	3.5	3.9	5.6	20	34	14	15	7.3
10	4.2	6.2	4.6	3.6	3.1	3.9	5.6	23	31	15	12	7.1
11	3.9	5.6	4.2	3.7	3.2	3.5	5.6	27	29	13	14	6.8
12	4.2	5.1	4.6	3.5	3.2	3.2	6.6	32	26	12	13	6.6
13	3.9	3.7	3.9	3.5	3.9	3.5	5.9	36	27	13	12	6.5
14	3	3.9	4.2	4.2	3.2	4.2	5.6	40	28	16	14	7.1
15	3	5.6	4.2	4.6	3.2	3.2	5.9	52	26	14	16	6.7
16	3.9	3.9	3.2	4.2	2.5	3.9	6.6	63	24	12	15	6.5
17	3.5	4.6	3	4.6	3	4.2	7.8	70	22	12	14	6.6
18	3.5	3.9	3.2	5.3	3.5	3.9	12	73	20	12	13	6.7
19	3.9	3.9	2.7	4.9	3.2	3.5	15	72	18	12	12	6.4
20	4.2	4.2	3.2	4.9	3.2	4.2	18	78	17	11	12	6.2
21	4.6	4.2	4.2	4.2	3.2	4.6	16	76	16	11	11	6
22	5.3	5.3	3.9	3.9	3.5	4.9	18	72	16	11	11	5.8
23	6.7	4.9	4.9	3.2	3.5	4.6	14	67	14	10	11	5.4
24	6.3	4.6	4.2	3.2	3	4.9	12	64	13	12	10	5.4
25	4.9	4.2	3.9	3	3	5.3	13	62	13	10	9.5	5.3
26	4.2	4.9	3.7	3	3.9	5.3	14	62	13	10	9.4	5.2
27	4.2	5.3	4	3	3.9	4.9	18	62	13	9.9	9.2	4.9
28	6	5	4	3	3.5	4.6	20	63	12	9.6	9.1	3.9
29	6	5.3	4.3	3	---	4.6	23	67	12	8.4	9.4	3.2
30	5.6	4.6	4.2	3.2	---	4.2	26	64	12	8	9.2	3.5
31	5.6	---	4	3.5	---	4.2	---	60	---	8.6	8.8	---
TOTAL	134.7	143.1	129	117.3	92.2	125.1	320.4	1493	820	367.5	358.4	191.9
MEAN	4.3	4.8	4.2	3.8	3.3	4	10.7	48	27	11.9	11.6	6.4
AC-FT	267	284	256	233	183	248	636	2960	1630	729	711	381
MAX	6.7	6.2	5.3	5.3	3.9	5.3	26	78	56	16	20	9
MIN	2.5	3.7	2.7	3	2.5	3.2	4.2	20	12	8	8	3.2

CAL YR 2000 TOTAL 3538.4 MEAN 9.67 MAX 47 MIN 2 AC-FT 7020  
WTR YR 2001 TOTAL 4292.6 MEAN 11.8 MAX 78 MIN 2.5 AC-FT 8510

MAX DISCH: 110 CFS AT 09:15 ON May. 15, 2001 GH 1.52 FT. SHIFT 0.17 FT.  
MAX GH: 1.52 FT. AT 09:15 ON May. 15, 2001

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



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO

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

**DRAINAGE AREA.**--190 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite monitoring system in a 4' diameter CMP shelter and well. Altitude of gage is 7,900 ft, from topographic map.

**REMARKS.**--Record is complete and reliable except for January 18, 2000 through March 21, 2001, when the inlets were frozen. Stage-discharge relation was affected by ice January 14-17, 2001, and by beaver dams August 15-31, and Sep. 5-12, 14-17, 22-28, 2001. Record is good except for periods of no gage-height, ice affect, and affect by beaver dams, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--SANFTGCO18 USED FROM 01-OCT-2000 TO 10-OCT-2001

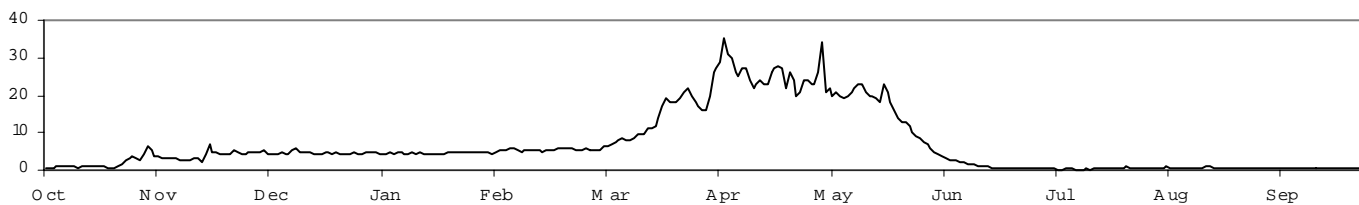
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.46	3.5	4.4	4.4	4.4	5.2	16	23	6.8	.38	.41	.38
2	.63	3.3	4.1	4.4	4.6	5.2	20	26	5.8	.38	.47	.39
3	.75	3.3	4.3	4.4	5.2	5.6	26	34	4.8	.36	.44	.39
4	.95	3.4	4.1	4.7	5.6	6.2	27	21	4.2	.3	.4	.4
5	1.1	3.4	4.6	4.4	5.6	6.6	29	22	3.8	.31	.43	.4
6	.84	3.4	4.4	4.6	5.8	7	35	20	3.3	.27	.1	.4
7	.9	2.8	4.1	4.6	5.8	7.6	31	21	2.9	.24	.65	.4
8	1.1	2.6	5.4	4.3	5.4	7.8	30	20	2.8	.23	.46	.4
9	.1	2.6	6	4.5	5	8.4	26	19	2.9	.29	.45	.4
10	.8	2.7	4.7	4.9	5.2	8	25	20	2.4	.31	.39	.4
11	.1	3	5	4.2	5.4	7.8	27	21	2	.3	.43	.4
12	.1	3	4.7	4.7	5.4	8.8	27	22	1.7	.24	.39	.4
13	.1	2.2	4.7	4.5	5.4	9.8	24	23	1.4	.25	.49	.5
14	1.1	4.3	4.3	4.4	5.2	9.8	22	23	1.4	.26	.44	.46
15	1.3	6.8	4.5	4.4	5	9.6	23	21	1.3	.29	.4	.46
16	.98	5	4.3	4.5	5.2	11	24	20	1.3	.26	.75	.46
17	.83	4.8	4.9	4.3	5.4	11	23	20	.98	.29	1.2	.46
18	.54	4.4	4.9	4.3	5.6	12	23	19	.82	.3	.9	.46
19	.49	4.3	4.2	4.4	5.8	14	26	18	.7	.29	.55	.52
20	.7	4.5	4.6	4.6	5.8	17	27	23	.71	.32	.45	.51
21	1.1	4.4	4.5	4.6	5.8	19	28	21	.66	.29	.55	.54
22	1.6	5.5	4.4	4.8	5.8	18	27	18	.64	.34	.45	.54
23	2.6	4.6	4.5	5	5.8	18	22	16	.67	.34	.55	.54
24	3.2	4.3	4.5	5	5.4	18	26	14	.61	.36	.55	.54
25	3.5	4.2	4.9	4.8	5.6	19	24	13	.53	.36	.45	.54
26	3.2	4.7	4.2	5	5.6	21	20	13	.51	.1	.35	.54
27	2.9	4.7	4.4	5	5.8	22	21	12	.45	.72	.35	.54
28	4.3	5	4.7	5	5.6	20	24	10	.42	.41	.4	.54
29	6.6	4.7	5	5	---	18	24	9	.48	.35	.4	.43
30	5.2	5.1	4.7	4.8	---	17	23	8.3	.34	.47	.45	.45
31	4	---	5	4.6	---	16	---	7.6	---	.5	.4	---
TOTAL	55.67	120.5	143	143.1	152.2	384.4	750	577.9	57.32	11.01	16	13.79
MEAN	1.8	4	4.6	4.6	5.4	12.4	25	18.6	1.91	.36	.52	.46
AC-FT	110	239	284	284	302	762	1490	1150	114	22	32	27
MAX	6.6	6.8	6	5	5.8	22	35	34	6.8	1	1.2	.54
MIN	.46	2.2	4.1	4.2	4.4	5.2	16	7.6	.34	.23	.35	.38

CAL YR 2000 TOTAL 2502.49 MEAN 6.84 MAX 34 MIN .11 AC-FT 4960  
WTR YR 2001 TOTAL 2424.89 MEAN 6.64 MAX 35 MIN .23 AC-FT 4810

MAX DISCH: 50.5 CFS AT 22:00 ON May. 2, 2001 GH 2.08 FT. SHIFT -0.08 FT.  
MAX GH: 2.08 FT. AT 22:00 ON May. 2, 2001

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



## RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO

**LOCATION.**--Lat 37°26'50", long 105°25'33", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

**DRAINAGE AREA AND PERIOD OF RECORD.**--32 mi<sup>2</sup>. Staff gage established on weir Mar. 1915 and operated to Oct. 1916. Continuous record from May 1923 to present at various locations close to present site.

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

**REMARKS.**--Record is complete and reliable except for Nov.14-Dec.5, 2000, when the well was frozen, and Dec. 6, 2000 through Mar. 27, 2001, when the station was closed for the winter. Stage-discharge relation was affected by ice Nov.12, 13, 2000. Record is good except for periods of no gage-height and ice affected record which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--UTEFTGCO17 USED FROM 01-OCT-2000 TO 10-OCT-2001

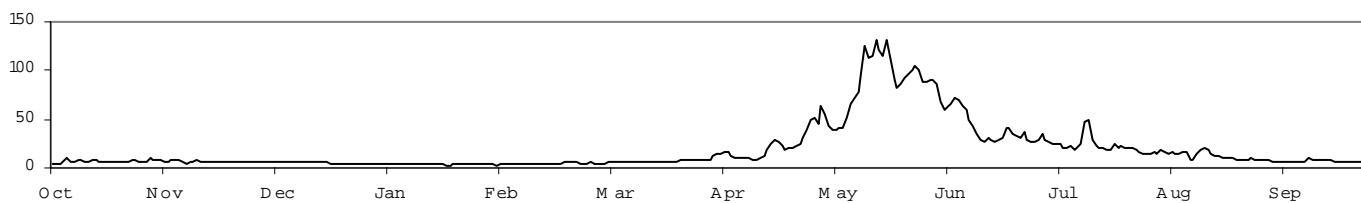
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	6.5	6	4.5	3	4.7	8.8	45	90	29	15	8.4
2	4	7.1	6	4.3	3.1	4.7	12	63	90	35	16	7.3
3	3.8	7.3	5.8	4.3	3.8	5	14	56	86	28	15	7.4
4	5.7	7.2	5.8	4.3	4.3	5.2	15	44	67	26	18	6.7
5	9.3	7.5	6	4.3	4	5.2	16	39	60	25	16	6.4
6	6.9	5.7	6	4.3	4.3	5.6	16	40	63	25	14	6.9
7	6.5	4.9	5.8	4	4.5	5.8	12	41	65	24	16	6.7
8	7.3	6.2	6	3.9	3.8	5.8	11	41	71	21	14	7
9	7.3	6.9	6.6	3.8	3.8	6	10	51	70	21	15	6.8
10	6.9	7.2	6.4	4	3.8	5.4	11	65	63	22	16	5.7
11	6.9	7	6	3.8	4.4	5.4	11	71	59	19	16	5.3
12	7.6	5.6	5.8	3.8	4	5.6	9.6	79	50	22	8.4	5.4
13	7.2	5.4	6	3.9	4	5.6	8.4	94	43	24	8.7	6.1
14	6.6	5.2	6.2	3.5	4.3	5.4	8.9	126	35	47	15	10
15	6.3	5.4	5.8	3.2	4.1	5.2	10	113	28	49	18	8.7
16	6.3	5.4	5.4	3.3	3.9	5.6	13	115	27	29	21	8
17	6	5.6	4.9	3.1	4.4	5.6	19	131	30	23	19	7.9
18	5.9	5.6	4.4	2.9	5	5.6	24	122	29	20	15	8.1
19	5.9	6	4	3	5	5.2	29	115	27	20	13	7.6
20	5.8	6.2	4.4	3.2	5.2	6	27	132	29	18	12	7.4
21	5.8	6	4.6	3.1	5.6	6.6	23	110	30	19	10	7.1
22	6	6.4	4.7	3.1	5.2	6.8	19	90	42	24	11	6.5
23	7.2	6.2	4.6	3.4	5.2	7	21	82	41	20	11	5.9
24	8.1	6	4.4	3.4	5	8	20	86	34	23	9.4	5.8
25	7	6.4	4.5	3.2	5	8.4	22	93	33	21	8.4	5.7
26	6.3	6	4.3	3.4	5	8.2	25	97	31	21	8.4	6
27	6.4	6.4	4.3	3.8	5.2	8.6	31	101	36	20	7.5	6.5
28	9.7	6.8	4.5	3.7	5	8.4	40	104	29	18	7.4	6.4
29	9	6.8	4.5	3.6	---	7.3	49	101	26	16	9.7	6.3
30	8.2	6.8	4.5	3.3	---	7.3	52	88	26	15	8	6.5
31	8.1	---	4.5	3.3	---	7.5	---	88	---	15	7.7	---
TOTAL	207.8	187.7	162.7	112.7	123.9	192.7	587.7	2623	1410	739	399.6	206.5
MEAN	6.7	6.3	5.3	3.6	4.4	6.2	19.6	85	47	24	12.9	6.9
AC-FT	412	372	323	224	246	382	1170	5200	2800	1470	793	410
MAX	9.7	7.5	6.6	4.5	5.6	8.6	52	132	90	49	21	10
MIN	3.8	4.9	4	2.9	3	4.7	8.4	39	26	15	7.4	5.3

CAL YR	2000	TOTAL	2649.8	MEAN	7.24	MAX	26	MIN	0.93	AC-FT	5260
WTR YR	2001	TOTAL	6953.3	MEAN	19.1	MAX	132	MIN	2.9	AC-FT	13790

MAX DISCH: 155 CFS AT 01:15 ON May. 20, 2001 GH 2.87 FT. SHIFT 0.03 FT.  
MAX GH: 2.87 FT. AT 01:15 ON May. 20, 2001

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



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO

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

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

**GAGE.**--Graphic water-stage recorder with satellite telemetry in a 4' CMP shelter and well. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Record is complete and reliable. Record is good. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--TRISMIC011 USED FROM 01-OCT-2000 TO 30-SEP-2001

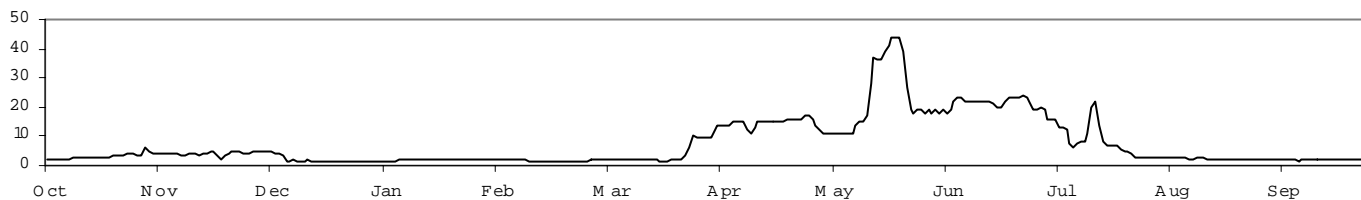
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	3.9	4.5	1.6	1.8	2.1	9.3	14	19	19	2.5	2.1
2	2.2	3.8	4.6	1.7	1.8	2.1	9.3	12	18	20	2.5	1.8
3	1.9	3.8	4.3	1.6	1.8	2.1	12	11	19	19	2.5	1.9
4	2	4.2	4	1.6	1.8	2.1	14	11	18	16	2.5	2
5	2.2	4.2	3.1	1.5	1.8	2.2	14	11	19	16	2.6	2
6	2.2	3.9	1.7	1.8	1.9	2.2	14	11	18	16	2.7	2
7	2.3	3.5	1.7	1.8	1.8	2.2	14	11	19	13	2.6	2
8	2.6	3.6	1.8	1.8	1.8	2.2	15	11	22	13	2.6	2
9	2.6	3.9	1.7	1.8	1.9	2.1	15	11	23	12	2.6	1.8
10	2.5	4.2	1.7	1.8	1.8	2.1	15	11	23	7.2	2.5	1.8
11	2.7	4.3	1.7	1.8	1.7	2	15	11	22	5.9	2.4	1.7
12	3	3.2	1.8	1.8	1.7	2.1	12	14	22	7.2	2.3	1.9
13	2.8	4.1	1.7	1.8	1.7	2	11	15	22	7.9	2.3	1.9
14	2.8	4.3	1.7	1.8	1.6	1.8	13	15	22	7.9	2.4	1.9
15	2.8	5	1.7	1.8	1.5	2.1	15	17	22	11	2.5	2
16	2.4	4.9	1.7	1.8	1.5	2	15	28	22	20	2.4	2
17	2.6	3.1	1.7	1.8	1.5	2	15	37	22	22	2.3	2
18	3	2.3	1.7	1.8	1.5	1.9	15	36	22	14	2.2	1.8
19	3.2	3.6	1.7	1.8	1.5	1.7	15	36	21	7.9	2.1	1.8
20	3.1	4.2	1.7	1.8	1.6	1.7	15	39	20	6.8	2.1	1.8
21	3.2	4.6	1.7	1.8	1.6	1.7	15	41	20	6.8	1.9	1.8
22	3.5	5	1.6	1.8	1.6	1.8	15	44	22	6.7	1.9	1.8
23	4	4.8	1.7	1.8	1.5	1.8	16	44	23	6.6	2	1.8
24	4.2	4.1	1.7	1.8	1.5	1.8	16	44	23	5.5	1.9	1.8
25	3.8	4	1.7	2.3	1.6	1.8	16	39	23	4.5	2	1.8
26	3.5	4.4	1.7	1.8	1.6	3.4	16	27	23	4.5	1.9	1.9
27	3.7	4.8	1.6	1.8	1.6	6.1	16	19	24	4.2	2	1.8
28	6.1	4.7	1.6	1.8	1.9	10	17	18	23	2.5	1.9	2
29	4.7	4.7	1.7	1.8	---	9.6	17	19	22	2.5	2	1.9
30	3.9	4.7	1.6	1.8	---	9.5	16	19	19	2.6	1.9	2.1
31	3.9	---	1.6	1.8	---	9.4	---	18	---	2.6	2	---
TOTAL	95.6	123.8	64.4	55.3	46.9	97.6	432.6	694	637	310.8	70	56.9
MEAN	3.1	4.1	2.1	1.8	1.7	3.1	14.4	22	21	10	2.3	1.9
AC-FT	190	246	128	110	93	194	858	1380	1260	616	139	113
MAX	6.1	5	4.6	2.3	1.9	10	17	44	24	22	2.7	2.1
MIN	1.9	2.3	1.6	1.5	1.5	1.7	9.3	11	18	2.5	1.9	1.7

CAL YR 2000	TOTAL	3375.6	MEAN	9.22	MAX	37	MIN	1.2	AC-FT	6700
WTR YR 2001	TOTAL	2684.9	MEAN	7.36	MAX	44	MIN	1.5	AC-FT	5330

MAX DISCH: 43.8 CFS AT 14:15 ON May. 23, 2001 GH 3.58 FT. SHIFT 0.08 FT.  
MAX GH: 3.58 FT. AT 14:15 ON May. 23, 2001

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



RIO GRANDE BASIN

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--40 mi<sup>2</sup>. 1937 - 1953 at site one mile downstream. May 1952 to current year at present site.

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

**REMARKS.**--Record is complete and reliable except for November 7-13, 2000, when the well was frozen; and Nov. 14, 2000 through Apr. 17, 2001, when the station was closed for the winter. Record is good except for periods of no gage-height record, which are fair. Station maintained and record developed by Div. III Hydrographic Staff.

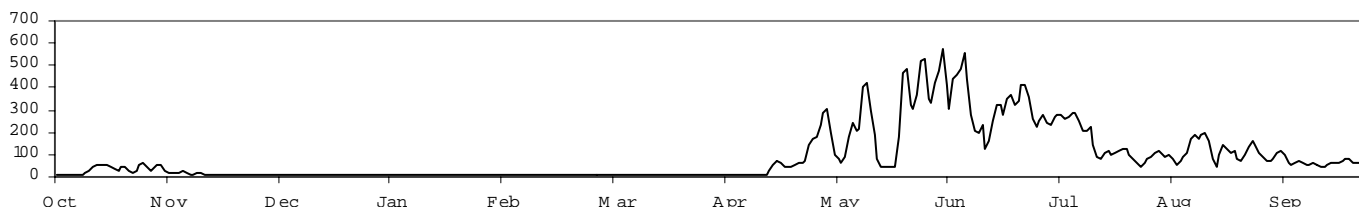
**RATING TABLE.**--CONPLACO12 USED FROM 01-OCT-2000 TO 04-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	16	7	7	7.3	7.6	8	235	331	254	94	87
2	9.2	16	7	7	7.3	7.6	8	284	425	279	108	75
3	9.9	17	7	7	7.3	7.7	8	305	480	242	114	70
4	9.4	22	7	7	7.3	7.7	8	198	577	232	98	77
5	7.6	23	7	7	7.4	7.7	8	98	417	265	86	106
6	9.5	17	7	7	7.4	7.7	8	79	302	278	97	118
7	11	13	7	7	7.4	7.7	8	65	437	279	81	99
8	11	13	7	7	7.4	7.7	8.1	88	455	263	56	60
9	15	14	7	7	7.4	7.7	8.1	177	486	267	71	54
10	25	14	7	7.1	7.4	7.7	8.1	240	553	283	94	66
11	43	12	7	7.1	7.4	7.7	8.1	203	436	283	105	70
12	54	12	7	7.1	7.4	7.8	8.1	217	277	255	172	64
13	54	12	7	7.1	7.5	7.8	8.1	400	203	202	189	57
14	53	8.7	7	7.1	7.5	7.8	8.1	426	201	207	174	58
15	53	7	7	7.1	7.5	7.8	8.1	298	234	223	185	59
16	46	7	7	7.1	7.5	7.8	8.1	190	126	145	196	51
17	33	7	7	7.1	7.5	7.8	25	85	162	90	162	48
18	28	7	7	7.2	7.5	7.8	52	46	249	85	82	48
19	41	7	7	7.2	7.5	7.8	73	47	319	106	43	51
20	49	7	7	7.2	7.5	7.8	62	48	327	117	98	62
21	27	7	7	7.2	7.5	7.9	47	48	282	102	148	67
22	18	7	7	7.2	7.6	7.9	46	49	354	110	127	66
23	25	7	7	7.2	7.6	7.9	46	178	366	121	111	75
24	52	7	7	7.2	7.6	7.9	53	464	320	130	114	80
25	66	7	7	7.2	7.6	7.9	61	481	341	123	80	80
26	42	7	7	7.2	7.6	7.9	59	326	411	102	76	66
27	23	7	7	7.3	7.6	7.9	76	303	415	85	97	63
28	41	7	7	7.3	7.6	7.9	145	369	355	59	135	67
29	50	7	7	7.3	---	7.9	172	520	262	45	166	41
30	50	7	7	7.3	---	8	181	531	225	64	143	40
31	28	---	7	7.3	---	8	---	353	---	84	106	---
TOTAL	995.6	321.7	217	221.1	209.1	241.8	1226.9	7351	10328	5380	3608	2025
MEAN	32.1	10.7	7	7.1	7.5	7.8	40.9	237	344	174	116	68
AC-FT	1970	638	430	439	415	480	2430	14580	20490	10670	7160	4020
MAX	66	23	7	7.3	7.6	8	181	531	577	283	196	118
MIN	7.6	7	7	7	7.3	7.6	8	46	126	45	43	40
CAL YR 2000	TOTAL	24012.5	MEAN	65.6	MAX	594	MIN	6.7	AC-FT	47630		
WTR YR 2001	TOTAL	32125.2	MEAN	88	MAX	577	MIN	7	AC-FT	63720		

MAX DISCH: 646 CFS AT 10:45 ON Jun. 4, 2001 GH 3.12 FT. SHIFT -0.01 FT.  
MAX GH: 3.12 FT. AT 10:45 ON Jun. 4, 2001

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





RIO GRANDE BASIN

08246500 CONEJOS RIVER NEAR MOGOTE, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--282 mi<sup>2</sup>. Intermittent, non-recording data from 1903-1915 at various sites. Water stage recorder from 1915-Oct. 1988 at different site. Oct. 1988-present, water stage recorder at current site.

**GAGE.**--Water-stage recorder with satellite telemetry in a 5 ft. metal shelter and well. Datum of gage is 8,271.54 ft, Colorado State Highway datum.

**REMARKS.**--Record is complete and reliable. Stage-discharge relation was affected by ice Nov. 17, 2000 through Mar. 4, 2001, and Mar. 15, 2001. Record is good except for the periods of ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

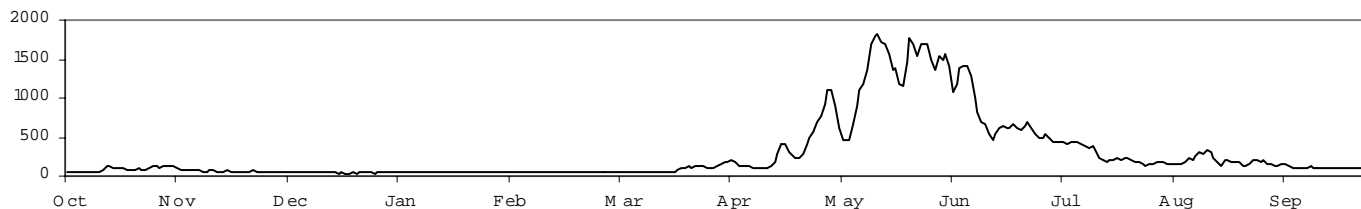
**RATING TABLE.**--CONMOGCO12 USED FROM 01-OCT-2000 TO 01-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	94	54	40	40	40	124	912	1360	485	164	194
2	48	79	50	40	41	41	164	1090	1550	544	178	161
3	45	78	50	40	43	42	185	1100	1500	493	185	146
4	45	75	50	41	43	42	192	900	1560	433	183	131
5	56	79	50	43	44	43	213	605	1400	433	158	139
6	51	71	48	43	45	46	176	469	1080	442	152	160
7	48	66	47	43	47	50	135	457	1170	432	163	159
8	49	59	50	41	45	47	133	466	1390	423	146	139
9	53	61	47	41	42	48	116	665	1400	425	153	106
10	54	68	45	42	41	51	125	902	1410	435	170	104
11	79	69	42	41	44	47	110	1090	1290	437	221	111
12	125	55	40	41	44	49	104	1180	1010	414	208	111
13	131	40	39	40	45	46	94	1370	808	377	258	104
14	114	41	42	40	41	51	98	1700	688	371	301	117
15	108	72	40	39	39	47	112	1790	658	376	270	113
16	106	64	36	39	41	52	141	1820	549	334	339	106
17	97	60	40	39	42	53	192	1730	459	237	299	96
18	87	60	35	39	44	54	284	1680	547	202	241	95
19	82	62	37	40	44	55	403	1570	616	192	169	92
20	87	62	39	40	43	60	417	1370	653	216	140	92
21	95	62	37	40	44	76	313	1390	610	209	196	101
22	80	66	40	41	44	98	267	1180	610	224	211	104
23	77	62	39	42	46	107	228	1150	676	217	190	104
24	105	56	40	42	42	116	231	1470	611	226	179	111
25	122	56	40	43	43	113	291	1780	591	221	171	112
26	125	56	38	40	43	129	399	1690	632	203	135	112
27	103	60	40	42	44	123	488	1540	683	186	137	97
28	119	60	42	42	42	116	568	1690	625	179	163	98
29	136	60	39	41	---	110	702	1700	550	142	196	100
30	125	62	39	40	---	100	765	1680	485	122	208	80
31	120	---	40	40	---	106	---	1490	---	148	189	---
TOTAL	2726	1915	1315	1265	1206	2158	7770	39626	27171	9778	6073	3495
MEAN	88	64	42	41	43	70	259	1278	906	315	196	117
AC-FT	5410	3800	2610	2510	2390	4280	15410	78600	53890	19390	12050	6930
MAX	136	94	54	43	47	129	765	1820	1560	544	339	194
MIN	45	40	35	39	39	40	94	457	459	122	135	80
CAL YR 2000	TOTAL	62274	MEAN	170	MAX	1330	MIN	32	AC-FT	123500		
WTR YR 2001	TOTAL	104498	MEAN	286	MAX	1820	MIN	35	AC-FT	207300		

MAX DISCH: 2000 CFS AT 05:00 ON May. 16, 2001 GH 5.27 FT. SHIFT -0.07 FT.  
MAX GH: 5.27 FT. AT 05:00 ON May. 16, 2001

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



RIO GRANDE BASIN

08247500 SAN ANTONIO RIVER AT ORTIZ, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--110 mi². April 1919 to Oct. 1920, Oct. 1924 to current year(no winter record prior to 1941). Monthly data only for some periods.

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

**REMARKS.**--Record is complete and reliable except for the periods Dec. 17, 2000 - Jan. 1, 2001, when floats were affected by ice in well, and Jan. 2 - Mar. 22, 2001, when the station was closed for the winter. The stage-discharge relation was affected by ice Nov. 7 - Dec. 16, 2000 and Mar. 23-25, 2001. There was no flow June 21 - Aug. 3, Aug. 25 - Sep. 2, Sep. 12-16, 20-26, 2001. Record is good except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

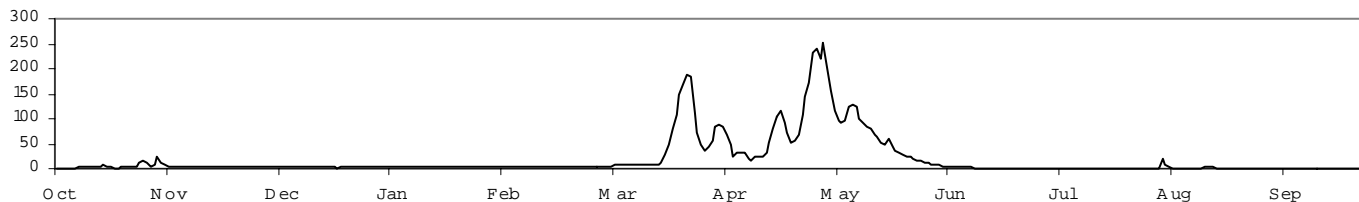
**RATING TABLE.**--SANORTCO13 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.95	4.7	3	2.2	2.7	4.9	55	221	10	0	0	0
2	1.2	3.3	3	2.2	2.8	5.4	86	254	7.8	0	0	0
3	1.5	3.4	3	2.3	3	5.8	89	203	6.2	0	0	.55
4	1.2	4.4	3	2.5	3	6	84	155	5	0	22	1.1
5	1.3	4.1	3.1	2.5	3	7.4	68	118	4.8	0	7.2	.83
6	1.7	4.7	3	2.6	3	8.4	48	96	4.7	0	4.1	.69
7	2.8	3.9	3	2.5	3.4	9	23	91	4.3	0	.92	.47
8	2.4	2.9	3.2	2.4	3.2	10	32	97	4.2	0	.52	.81
9	2.5	3.1	3	2.4	3.1	9.6	31	125	4.4	0	.49	.6
10	3	3.1	2.9	2.5	3	9.6	32	130	3.4	0	.36	.36
11	3.3	3.7	2.8	2.4	3.2	8.4	22	125	2.8	0	.52	.12
12	3.2	3.6	2.7	2.3	3.2	8.8	15	101	2.2	0	.55	0
13	5.4	3.1	2.6	2.3	3.2	8.2	23	92	1.9	0	1.2	0
14	6.3	3.4	3.1	2.3	3.1	8.6	23	84	1.5	0	.87	0
15	3.3	3.5	2.9	2.2	3	8	23	80	.8	0	.69	0
16	2.3	3.4	2.2	2.2	3.1	8.6	34	70	1.1	0	4.5	0
17	1.9	3.3	2.4	2.2	3.5	9.4	51	63	.87	0	4.3	.32
18	2	3.4	2	2.2	3.8	13	79	54	.51	0	3	.52
19	2.2	3.5	2.1	2.3	3.8	27	105	47	.22	0	1.7	.18
20	2.1	3.6	2.2	2.4	3.8	50	118	59	.04	0	1.2	0
21	2.2	3.7	2.1	2.4	4	80	93	44	0	0	.68	0
22	2.3	3.8	2.2	2.6	4	110	74	38	0	0	.47	0
23	3.2	3.8	2.3	2.8	4.3	150	53	33	0	0	.25	0
24	13	3.2	2.4	2.9	4.2	170	58	29	0	0	.12	0
25	18	3.2	2.3	3	4.2	190	69	26	0	0	0	0
26	11	3.2	2.1	2.8	4.7	183	107	24	0	0	0	0
27	5.6	3.3	2.2	3.1	4.9	111	143	20	0	0	0	.41
28	7.7	3.3	2.3	3	4.7	72	172	18	0	0	0	.65
29	23	3.1	2.1	2.9	---	47	234	16	0	0	0	.72
30	11	3.2	2.2	2.8	---	38	240	14	0	0	0	.68
31	6.7	---	2.2	2.6	---	43	---	12	---	0	0	---
TOTAL	154.25	105.9	79.6	77.8	98.9	1420.1	2284	2539	66.74	0	55.64	9.01
MEAN	4.98	3.5	2.6	2.5	3.5	45.8	76	82	2.22	0	1.79	.3
AC-FT	306	210	158	154	196	2820	4530	5040	132	0	110	18
MAX	23	4.7	3.2	3.1	4.9	190	240	254	10	0	22	1.1
MIN	.95	2.9	2	2.2	2.7	4.9	15	12	0	0	0	0
CAL YR 2000	TOTAL	2559.35	MEAN	6.99	MAX	68	MIN	0	AC-FT	5080		
WTR YR 2001	TOTAL	6890.94	MEAN	18.9	MAX	254	MIN	0	AC-FT	13670		

MAX DISCH: 429 CFS AT 22:45 ON Mar. 25, 2001 GH 4.02 FT. SHIFT 'b' (-0.32) FT.  
MAX GH: 4.02 FT. AT 22:45 ON Mar. 25, 2001

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



RIO GRANDE BASIN

08248000 LOS PINOS RIVER NEAR ORTIZ, CO

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

**DRAINAGE AREA AND PERIOD OF RECORD.**--167 mi<sup>2</sup>. Jan. 1, 1915 to Apr. 14, 1955, water stage recorder at location 350' upstream. Apr. 15, 1955 relocated to present site.

**GAGE.**--Water-stage recorder with satellite telemetry in a metal pipe shelter and well with supplemental outside chain gage. Elevation of gage is 8,040 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for Jan. 2 through March 22, 2001, when the station was closed for the winter; and Dec. 31, 2000, Jan. 1, 2001, when the well was frozen. Stage-discharge relation affected by ice Nov. 7 through Dec. 30, 2000, Mar. 23, 2001. Record is good except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--LOSORTCO13 USED FROM 01-OCT-2000 TO 01-OCT-2001

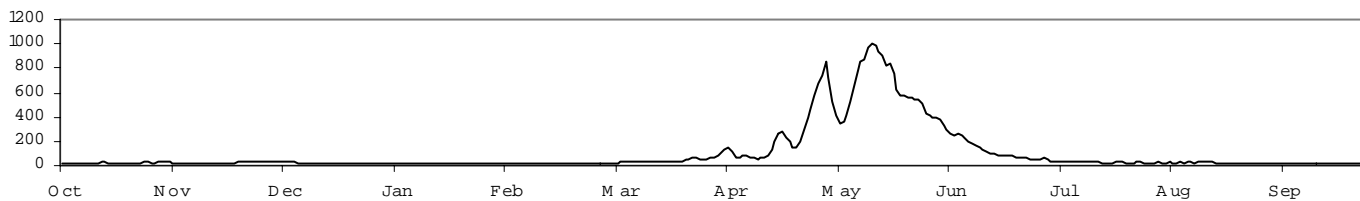
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	21	27	12	13	16	67	743	401	47	23	19
2	9.7	21	28	12	14	18	82	855	390	58	24	17
3	9.6	21	25	13	15	19	107	729	372	48	25	16
4	10	20	25	14	15	20	132	530	333	39	24	15
5	14	23	25	14	15	24	142	407	290	35	21	14
6	14	12	22	15	15	27	116	346	259	32	25	11
7	12	12	23	14	16	34	67	354	250	29	21	10
8	12	12	23	13	15	36	73	403	255	28	24	9.4
9	11	16	20	13	14	35	74	527	247	34	29	10
10	12	20	17	14	13	35	77	655	229	32	22	10
11	17	18	15	13	14	34	63	785	203	30	36	11
12	35	17	14	12	14	36	58	849	182	30	26	11
13	37	16	12	12	14	35	57	876	162	29	22	12
14	22	18	14	12	13	36	59	963	154	33	29	12
15	18	20	13	12	13	35	64	1010	131	32	32	14
16	17	19	10	11	14	36	87	981	111	28	30	13
17	16	19	13	11	15	38	134	939	100	25	29	11
18	15	22	12	11	16	37	198	898	94	23	28	11
19	16	25	12	12	16	36	257	828	89	22	24	12
20	16	27	13	13	16	38	273	844	83	22	21	11
21	15	28	13	13	16	40	232	762	79	23	20	10
22	15	28	14	14	16	40	192	625	77	28	19	11
23	18	25	14	14	17	39	151	581	74	26	21	11
24	30	25	13	14	15	45	149	572	70	25	19	11
25	28	27	14	15	15	50	193	552	63	23	17	9.8
26	24	26	12	14	15	58	291	557	61	21	16	10
27	22	28	11	15	16	59	389	536	58	24	15	11
28	33	29	13	14	15	57	464	540	52	26	14	11
29	38	30	12	14	---	55	583	502	49	25	16	11
30	30	29	13	13	---	55	666	423	45	20	15	12
31	27	---	12	13	---	60	---	410	---	20	17	---
TOTAL	603.2	654	504	406	415	1183	5497	20582	4963	917	704	357.2
MEAN	19.5	22	16	13	15	38	183	664	165	30	23	11.9
AC-FT	1200	1300	1000	805	823	2350	10900	40820	9840	1820	1400	709
MAX	38	30	28	15	17	60	666	1010	401	58	36	19
MIN	9.6	12	10	11	13	16	57	346	45	20	14	9.4

CAL YR 2000 TOTAL 16330.5 MEAN 44.6 MAX 369 MIN 5.7 AC-FT 32390  
WTR YR 2001 TOTAL 36785.4 MEAN 101 MAX 1010 MIN 9.4 AC-FT 72960

MAX DISCH: 1300 CFS AT 23:00 ON May. 14, 2001 GH 5.6 FT. SHIFT 0.02 FT.  
MAX GH: 5.6 FT. AT 23:00 ON May. 14, 2001

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



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO

**LOCATION.**--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

**DRAINAGE AREA.**--348 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry in metal pipe shelter and well. Altitude of gage is 7,650 ft. from topographic map.

**REMARKS.**--Record is complete and reliable except for the periods Nov. 13-20, 2000, and March 19, 20, 2001, when the well was frozen; Nov. 21, 2000 through March 16, 2001, when the station was closed for the winter; and June 14-22, 2001, when the data from both recorders was unreliable. There was no flow Oct. 1, 2000 - Feb. 3, 2001, and Jul. 29 - Sep. 30, 2001. Record is good except for periods of no gage height, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

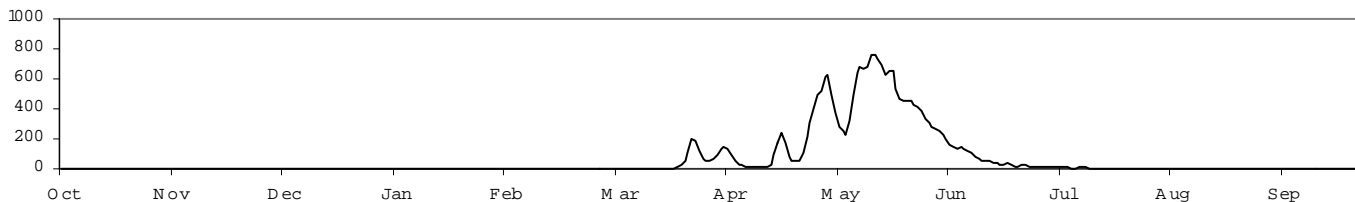
**RATING TABLE.**--SANMANCO18 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	3	62	516	282	12	0	0
2	0	0	0	0	0	3.5	92	612	270	12	0	0
3	0	0	0	0	0	3.8	133	630	252	11	0	0
4	0	0	0	0	1	4	144	492	230	12	0	0
5	0	0	0	0	2	4.4	138	368	197	11	0	0
6	0	0	0	0	3	4.7	90	284	166	12	0	0
7	0	0	0	0	4	5	50	249	142	8.5	0	0
8	0	0	0	0	3	5.4	21	227	140	7.6	0	0
9	0	0	0	0	3	5.2	21	318	147	6.8	0	0
10	0	0	0	0	3	5	17	488	133	6.3	0	0
11	0	0	0	0	4	3.5	13	643	120	6.4	0	0
12	0	0	0	0	4	4.6	8.9	678	102	7.9	0	0
13	0	0	0	0	3.5	5.2	9.7	667	79	8	0	0
14	0	0	0	0	4	6	15	678	63	7.1	0	0
15	0	0	0	0	3.5	4.4	11	762	54	6.5	0	0
16	0	0	0	0	3.5	5.8	12	766	54	5.6	0	0
17	0	0	0	0	3.5	3.5	33	730	51	4.9	0	0
18	0	0	0	0	4	3.1	93	694	42	4.5	0	0
19	0	0	0	0	3.5	2.8	177	627	34	4.1	0	0
20	0	0	0	0	4	2.9	238	654	26	3.8	0	0
21	0	0	0	0	4.5	3	174	650	26	3.4	0	0
22	0	0	0	0	4	11	80	538	40	3	0	0
23	0	0	0	0	4.5	22	57	464	32	2.4	0	0
24	0	0	0	0	3.5	50	51	447	18	2.6	0	0
25	0	0	0	0	4	105	53	450	18	2.7	0	0
26	0	0	0	0	4.2	204	109	453	21	1.9	0	0
27	0	0	0	0	4.5	187	218	427	23	.76	0	0
28	0	0	0	0	3.8	118	305	407	17	.18	0	0
29	0	0	0	0	---	72	403	383	15	0	0	0
30	0	0	0	0	---	56	488	329	13	0	0	0
31	0	---	0	0	---	50	---	305	---	0	0	---
TOTAL	0	0	0	0	89.5	963.8	3316.6	15936	2807	174.94	0	0
MEAN	0	0	0	0	3.2	31.1	111	514	94	5.64	0	0
AC-FT	0	0	0	0	178	1910	6580	31610	5570	347	0	0
MAX	0	0	0	0	4.5	204	488	766	282	12	0	0
MIN	0	0	0	0	0	2.8	8.9	227	13	0	0	0
CAL YR 2000	TOTAL	4095.11	MEAN	11.2	MAX	128	MIN	0	AC-FT	8120		
WTR YR 2001	TOTAL	23287.84	MEAN	63.8	MAX	766	MIN	0	AC-FT	46190		

MAX DISCH: 884 CFS AT 15:00 ON May. 15, 2001 GH 5.92 FT. SHIFT -0.38 FT.  
MAX GH: 5.92 FT. AT 15:00 ON May. 15, 2001

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



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, MAIN (NORTH) CHANNEL, CO

**LOCATION.**--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, T. 35 N., R. 11 E., Conejos County, on left bank of main channel 125 ft downstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of LaSauses, and 13 mi southeast of Alamosa.

**DRAINAGE AREA AND PERIOD OF RECORD.**--887 mi<sup>2</sup>. Water stage recorder since March 29, 1921 at five sites close to present location.

**GAGE.**--Water-stage recorder with satellite telemetry in timber shelter and well with outside chain gage. Datum of gage is 7,495.02 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 1, 1937.

**REMARKS.**--Record is complete and reliable except for August 10-13, 2001, when the station was isolated. Stage-discharge relation affected by ice Nov. 14, 17-20, Dec. 14-23, 25-28, 2000, and Jan. 14-22, 26, 30-31, Feb. 1-2, 9-10, 2001. There was no flow Oct. 1-23, 25-27, 30-31, Nov. 1-3, 5-8, 2000; and Sep. 7-22, 25-30, 2001. Record good except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

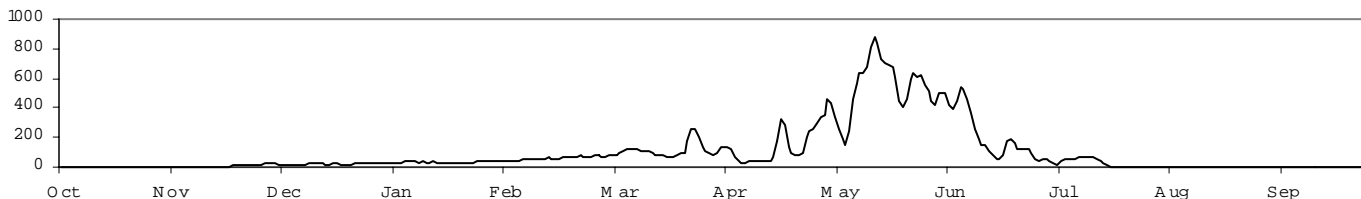
**RATING TABLE.**--NORLASCO14 USED FROM 01-OCT-2000 TO 01-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	13	31	35	72	84	341	449	44	.63	.99
2	0	0	15	31	37	74	97	354	420	49	.91	.9
3	0	0	15	32	41	75	132	465	497	53	.94	.53
4	0	.06	16	33	41	81	131	429	505	46	.62	.13
5	0	0	15	35	43	87	130	336	496	22	.47	.11
6	0	0	16	35	47	99	124	254	415	17	.53	.09
7	0	0	17	36	50	114	72	189	398	39	.61	0
8	0	0	18	35	53	123	41	155	447	52	.47	0
9	0	.07	22	33	51	124	31	245	539	59	.39	0
10	0	.22	25	35	49	127	32	458	531	58	.3	0
11	0	.3	23	32	55	123	40	562	465	60	.2	0
12	0	.5	23	33	56	106	39	637	363	70	.1	0
13	0	3.2	21	36	59	113	36	637	255	72	.2	0
14	0	4.6	19	32	63	105	37	672	189	68	.54	0
15	0	5.8	20	32	57	97	40	815	143	62	.42	0
16	0	6.2	22	30	59	87	38	876	144	64	2.5	0
17	0	6.7	22	27	58	84	39	832	111	49	1.4	0
18	0	7.4	20	27	62	82	69	734	79	36	2.6	0
19	0	7.4	19	27	62	73	169	704	59	26	2.3	0
20	0	7.4	20	29	66	65	323	692	48	10	.64	0
21	0	6.8	20	28	68	64	282	681	84	2.2	.38	0
22	0	8	22	28	71	75	139	602	174	2.2	.54	0
23	0	13	23	30	76	91	92	450	190	1.9	.51	1
24	.15	16	26	33	72	99	79	400	163	2.4	.3	.46
25	0	18	26	37	66	174	77	461	124	2.4	.2	0
26	0	20	25	37	67	251	98	588	120	2	.25	0
27	0	22	24	40	77	253	209	631	124	1.5	.35	0
28	.03	23	23	40	80	198	248	602	126	1.1	.18	0
29	.01	24	29	40	---	140	263	628	96	.8	.22	0
30	0	21	31	37	---	112	293	555	55	.9	.12	0
31	0	---	32	37	---	91	---	516	---	1	.3	---
TOTAL	.19	221.65	662	1028	1621	3459	3484	16501	7809	974.4	20.12	4.21
MEAN	.01	7.39	21	33	58	112	116	532	260	31.4	.65	.14
AC-FT	.4	440	1310	2040	3220	6860	6910	32730	15490	1930	40	8.4
MAX	.15	24	32	40	80	253	323	876	539	72	2.6	1
MIN	0	0	13	27	35	64	31	155	48	.8	.1	0
CAL YR 2000	TOTAL	7296.53	MEAN	19.9	MAX	83	MIN	0	AC-FT	14470		
WTR YR 2001	TOTAL	35784.57	MEAN	98	MAX	876	MIN	0	AC-FT	70980		

MAX DISCH: 984 CFS AT 03:15 ON May. 16, 2001 GH 5.29 FT. SHIFT 0.03 FT.  
MAX GH: 5.29 FT. AT 03:15 ON May. 16, 2001

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



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, SECONDARY (SOUTH) CHANNEL, CO

**LOCATION.**--Lat 37°18'01", long 105°44'47", in SE¼NE¼ sec. 10, T. 35 N., R. 11 E., Conejos County, on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.0 mi north of LaSausas, and 13 mi southeast of Alamosa.

**DRAINAGE AREA AND PERIOD OF RECORD.**--887 mi<sup>2</sup>. Water stage recorder since March 29, 1921 at various sites close to present location.

**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. 19, 2000 through Jan. 1, 2001, when the well was frozen; and Jan. 2 through Feb. 22, 2001, when the station was closed for the winter. Stage-discharge relation affected by ice Dec. 10, 11, 2001; Feb. 24, 25, 28, Mar. 3-6, 9, 11, 12, 2001. There was no flow Oct. 1-21, 2000, July 8, 9, 20, 24-31, and Aug. 1 through Sep. 30, 2001. Record is good except for periods of no gage height and ice affected record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

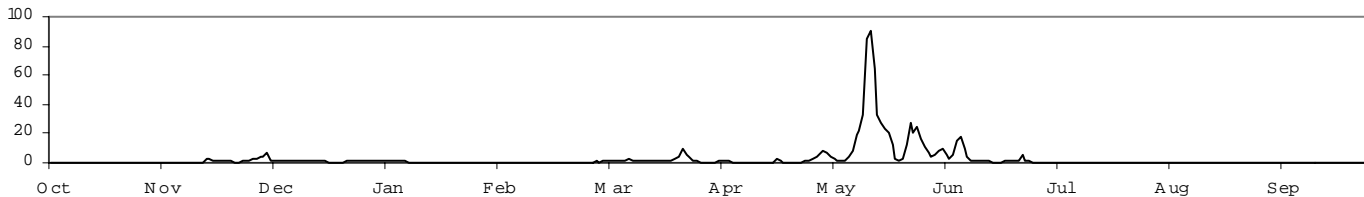
**RATING TABLE.**--SOULASCO07 USED FROM 01-OCT-2000 TO 04-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.05	1.9	.74	.32	.7	.44	4.6	6.6	.24	0	0
2	0	.06	1.7	.74	.34	.63	.43	5.4	3.9	.22	0	0
3	0	.08	1.6	.74	.36	.74	.54	7.9	5.6	.2	0	0
4	0	.12	.97	.78	.4	.9	.83	6.2	8	.17	0	0
5	0	.13	.85	.78	.4	1.1	.79	3.6	9.9	.11	0	0
6	0	.13	.84	.78	.44	1.4	.96	2.7	5.9	.06	0	0
7	0	.13	.72	.78	.48	1.5	.97	2	3	.03	0	0
8	0	.13	.87	.68	.46	1.7	.45	1.7	5	0	0	0
9	0	.16	1.3	.6	.44	1.8	.27	1.8	15	0	0	0
10	0	.17	1.8	.6	.44	2.1	.25	3.5	18	.05	0	0
11	0	.2	1.7	.5	.48	1.6	.29	7.9	10	.1	0	0
12	0	.19	1.3	.5	.48	1.7	.25	19	3.6	.1	0	0
13	0	3.1	1.1	.5	.48	1.8	.21	22	1.9	.13	0	0
14	0	2.3	1	.4	.48	2	.19	33	1.1	.2	0	0
15	0	1.5	1.4	.38	.45	1.1	.19	85	.87	.18	0	0
16	0	1	.92	.34	.46	.93	.2	91	.8	.09	0	0
17	0	.78	.63	.3	.48	.83	.21	65	.89	.08	0	0
18	0	.85	.62	.3	.54	.93	.25	33	.73	.06	0	0
19	0	.83	.6	.3	.54	.79	.46	28	.55	.03	0	0
20	0	.74	.68	.36	.56	.75	2.1	23	.46	0	0	0
21	0	.66	.68	.34	.58	.74	1.5	21	.51	.11	0	0
22	.01	.57	.76	.36	.56	1.1	.48	12	1.4	.07	0	0
23	.04	1.2	.74	.44	.61	3	.29	2.3	1.3	.02	0	0
24	.17	1.8	.74	.44	.52	3.5	.24	1.5	2	0	0	0
25	.13	1.8	.74	.44	.54	9.3	.22	2.2	1.1	0	0	0
26	.11	2.3	.76	.4	.54	5.5	.18	12	.8	0	0	0
27	.04	2.7	.72	.46	.63	3.5	.32	27	5.3	0	0	0
28	.11	3.5	.76	.46	.62	1.9	.83	20	1.2	0	0	0
29	.08	3.7	.74	.46	---	.85	1.4	25	.86	0	0	0
30	.05	6.6	.74	.36	---	.58	2.9	16	.42	0	0	0
31	.05	---	.74	.34	---	.47	---	11	---	0	0	---
TOTAL	.79	37.48	30.62	15.6	13.63	55.44	18.64	596.3	116.69	2.25	0	0
MEAN	.03	1.25	.99	.5	.49	1.79	.62	19.2	3.89	.07	0	0
AC-FT	1.6	74	61	31	27	110	37	1180	231	4.5	0	0
MAX	.17	6.6	1.9	.78	.63	9.3	2.9	91	18	.24	0	0
MIN	0	.05	.6	.3	.32	.47	.18	1.5	.42	0	0	0
CAL YR 2000	TOTAL	503.02	MEAN	1.37	MAX	28	MIN	0	AC-FT	998		
WTR YR 2001	TOTAL	887.44	MEAN	2.43	MAX	91	MIN	0	AC-FT	1760		

MAX DISCH: 188 CFS AT 03:00 ON May. 16, 2001 GH 3.22 FT. SHIFT -0.15 FT.  
MAX GH: 3.22 FT. AT 03:00 ON May. 16, 2001

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



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 Lasausés, and 13 mi southeast of Alamosa.

**DRAINAGE AREA AND PERIOD OF RECORD.**--887 mi². Mar. 1921, water stage recorders, at several locations close to present sites.

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

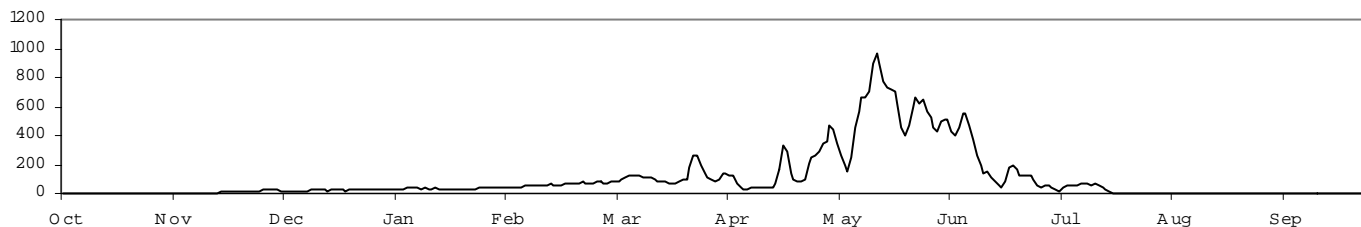
**REMARKS.**--Records should be good except for periods of no record and ice affected record, which are poor. Diversions above station for irrigation of about 75,000 acres. Practically entire flow is diverted and records represent mainly return flow. Record developed by Div. III Hydrographic Staff.

**COMBINED CONEJOS RIVER (NORLASCO, SOULASCO)**

DISCHARGE, IN CFS, WATER YEAR 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.05	15	32	35	73	84	346	456	44	.63	.99
2	0	.06	17	32	37	75	97	359	424	49	.91	.9
3	0	.08	17	33	41	76	133	473	503	53	.94	.53
4	0	.18	17	34	41	82	132	435	513	46	.62	.13
5	0	.13	16	36	43	88	131	340	506	22	.47	.11
6	0	.13	17	36	47	100	125	257	421	17	.53	.09
7	0	.13	18	37	50	116	73	191	401	39	.61	0
8	0	.13	19	36	53	125	41	157	452	52	.47	0
9	0	.23	23	34	51	126	31	247	554	59	.39	0
10	0	.39	27	36	49	129	32	462	549	58	.3	0
11	0	.5	25	33	55	125	40	570	475	60	.2	0
12	0	.69	24	34	56	108	39	656	367	70	.1	0
13	0	6.3	22	37	59	115	36	659	257	72	.2	0
14	0	6.9	20	32	63	107	37	705	190	68	.54	0
15	0	7.3	21	32	57	98	40	900	144	62	.42	0
16	0	7.2	23	30	59	88	38	967	145	64	2.5	0
17	0	7.5	23	27	58	85	39	897	112	49	1.4	0
18	0	8.3	21	27	63	83	69	767	80	36	2.6	0
19	0	8.2	20	27	63	74	169	732	60	26	2.3	0
20	0	8.1	21	29	67	66	325	715	48	10	.64	0
21	0	7.5	21	28	69	65	284	702	85	2.3	.38	0
22	.01	8.6	23	28	72	76	139	614	175	2.3	.54	0
23	.04	14	24	30	77	94	92	452	191	1.9	.51	1
24	.32	18	27	33	73	103	79	402	165	2.4	.3	.46
25	.13	20	27	37	67	183	77	463	125	2.4	.2	0
26	.11	22	26	37	68	257	98	600	121	2	.25	0
27	.04	25	25	40	78	257	209	658	129	1.5	.35	0
28	.14	27	24	40	81	200	249	622	127	1.1	.18	0
29	.09	28	30	40	---	141	264	653	97	.8	.22	0
30	.05	28	32	37	---	113	296	571	55	.9	.12	0
31	.05	---	33	37	---	91	---	527	---	1	.3	---
TOTAL	.98	260.6	698	1041	1632	3519	3498	17099	7927	974.6	20.12	4.21
MEAN	.032	8.69	22.5	33.6	58.3	114	117	552	264	31.4	.65	.14
AC-FT	1.9	517	1380	2060	3240	6980	6940	33920	15720	1930	40	8.4
MAX	.32	28	33	40	81	257	325	967	554	72	2.6	1
MIN	0	.05	15	27	35	65	31	157	48	.8	.1	0
CAL YR 2000	TOTAL	7813.17	MEAN	21.3	MAX	86	MIN	0	AC-FT	15500		
WTR YR 2001	TOTAL	36674.51	MEAN	100	MAX	967	MIN	0	AC-FT	72740		

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



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO

**LOCATION.**--Lat 37°11'01", 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 AND PERIOD OF RECORD.**--220 mi<sup>2</sup>. Station established April 1, 1927 by Colo. State Engineer's Office at present site, different datum. May 1931 new flume installed and datum established at the same site.

**GAGE.**--Graphic water-stage recorder and concrete control. Steven's Data logger installed Mar. 25, 1994. Altitude of gage is 8,000 ft from topographic map.

**REMARKS.**-- Record is complete and reliable. Record is good. During the winter the record may show a pattern of jagged peaks in the late morning hours. While this pattern does appear to be ice affected record, it has been verified by the hydrographic staff of Division 3 that this is caused by freezing and releasing of water above the gage, and that this is good record. Station maintained and records developed by Division III Hydrographic staff.

**RATING TABLE.**--CULSANCO05 USED FROM 01-OCT-2000 TO 30-SEP-2001

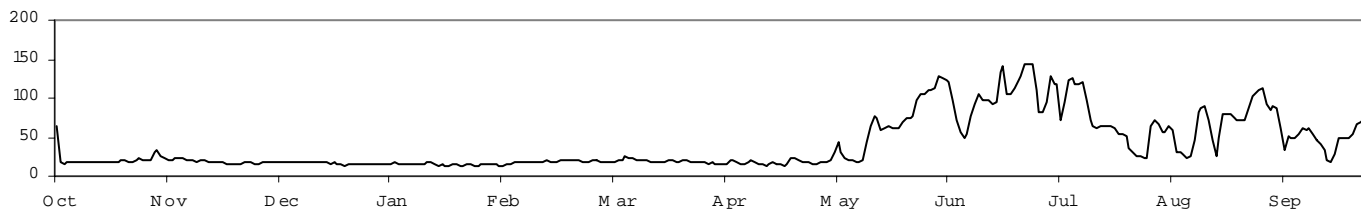
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	21	18	15	14	19	17	17	110	81	64	112
2	17	21	17	15	14	19	16	17	112	82	72	93
3	16	22	18	17	15	19	15	18	128	94	67	84
4	18	22	17	15	16	19	16	20	125	127	56	91
5	18	22	17	16	17	19	15	31	123	118	57	88
6	17	21	18	16	18	20	20	43	121	119	65	62
7	17	20	17	16	19	21	20	30	98	72	59	34
8	18	20	18	16	18	25	18	22	72	94	30	51
9	18	19	19	15	18	23	16	20	57	123	30	49
10	18	20	18	16	18	22	15	20	48	125	27	50
11	18	21	18	16	18	20	19	19	53	119	24	55
12	19	19	18	17	18	20	21	17	78	117	25	61
13	18	18	18	17	19	21	17	20	93	120	46	60
14	18	17	17	15	20	20	16	44	106	97	82	61
15	18	18	17	14	19	18	15	63	97	72	86	55
16	19	17	16	16	18	18	14	78	98	64	89	47
17	19	16	17	14	19	18	15	74	98	62	71	41
18	19	16	15	14	20	19	18	60	92	63	46	34
19	21	16	15	16	20	19	15	61	95	63	26	20
20	20	16	14	15	20	20	15	63	134	63	50	18
21	19	16	15	14	20	21	14	62	140	63	79	29
22	18	18	15	14	20	19	16	62	106	62	79	50
23	21	18	15	15	21	19	22	62	104	53	79	50
24	22	17	15	15	19	20	24	68	113	53	75	49
25	21	16	15	14	19	20	20	74	122	51	73	49
26	20	16	16	14	19	19	17	75	129	37	72	55
27	20	17	15	15	20	18	17	78	143	31	73	66
28	30	17	16	15	20	18	18	98	143	26	86	68
29	34	18	16	15	---	18	16	105	144	25	103	73
30	25	19	16	16	---	17	16	104	109	23	106	74
31	22	---	16	15	---	16	---	110	---	24	111	---
TOTAL	662	554	512	473	516	604	513	1635	3191	2323	2008	1729
MEAN	21	19	17	15	18	20	17	53	106	75	65	58
AC-FT	1310	1100	1020	938	1020	1200	1020	3240	6330	4610	3980	3430
MAX	64	22	19	17	21	25	24	110	144	127	111	112
MIN	16	16	14	14	14	16	14	17	48	23	24	18

CAL YR 2000 TOTAL 17811 MEAN 48.7 MAX 145 MIN 14 AC-FT 35330  
WTR YR 2001 TOTAL 14720 MEAN 40.3 MAX 144 MIN 14 AC-FT 29200

MAX DISCH: 156 CFS AT 14:00 ON Jun. 20, 2001 GH 1.85 FT. SHIFT 0.09 FT.  
MAX GH: 1.85 FT. AT 14:00 ON Jun. 20, 2001

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





RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO

**LOCATION.**--Lat 37°04'43", long 105°45'23", in NE¼NW¼ sec. 27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.

**DRAINAGE AREA AND PERIOD OF RECORD.**--7,700 mi<sup>2</sup>. approximately, includes 2,940 mi<sup>2</sup>. in closed basin in northern part of San Luis Valley, Colo. June 28, 1899-Nov. 7, 1910, non-recording gage; Nov. 8, 1910, water stage recorder, at present site and datum.

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter on a stone well with outside slope gage. Datum of gage is 7,427.63 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for January 17, February 12, 22, 23, 2001, when the chart recorder was stopped and there was missing satellite data; and March 22-28, and April 21, 2001, when the inlet was plugged. Stage-discharge relation affected by ice November 7-10, November 12 through December 31, 2000; January 1-16, 18-31, February 1-11, 13-21, 2001. Record is good except for periods of no gage height and ice affected record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

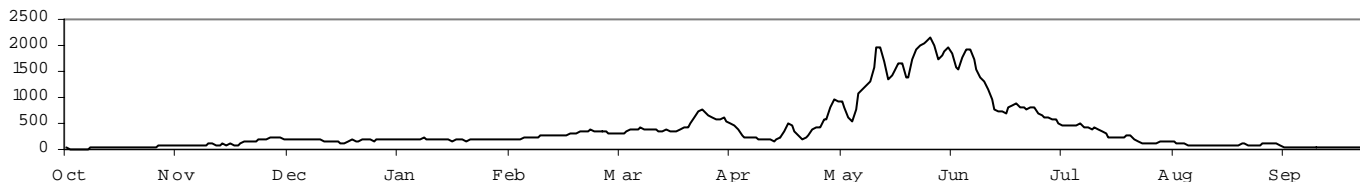
**RATING TABLE.**--RIOLOBCO03 USED FROM 01-OCT-2000 TO 01-OCT-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	84	210	180	190	334	568	573	2010	638	122	115
2	18	76	210	190	180	310	574	582	1750	618	133	109
3	16	80	190	200	190	308	616	822	1790	598	149	106
4	16	76	180	190	200	310	546	957	1870	566	159	107
5	16	79	190	190	210	313	483	935	1950	564	156	97
6	13	67	190	200	220	316	464	913	1830	517	145	77
7	13	67	190	210	230	337	374	805	1570	444	155	57
8	22	65	210	210	230	367	269	616	1550	451	122	42
9	30	60	210	220	230	379	226	554	1760	462	131	32
10	34	110	200	200	240	403	221	759	1940	459	98	32
11	33	109	180	200	260	409	221	1060	1910	479	73	33
12	32	80	170	210	260	399	214	1160	1720	494	65	32
13	33	90	150	200	270	380	196	1250	1550	440	67	29
14	33	100	150	190	270	392	188	1310	1400	415	74	30
15	46	90	170	190	260	390	178	1570	1310	396	64	34
16	55	100	150	180	270	365	176	1960	1160	426	70	43
17	41	90	130	170	280	362	172	1950	968	399	63	45
18	53	90	120	180	280	368	183	1680	780	360	88	47
19	41	120	150	180	290	363	225	1340	742	291	90	41
20	33	135	180	180	300	363	362	1440	738	239	86	35
21	37	145	170	170	310	361	508	1510	704	221	76	36
22	50	160	170	180	340	380	450	1660	804	235	74	40
23	56	140	180	190	330	415	346	1660	850	238	64	41
24	57	175	180	190	338	440	253	1390	867	243	61	37
25	55	180	180	200	376	508	207	1400	826	264	80	38
26	55	210	170	200	329	615	229	1720	804	256	103	46
27	76	215	190	210	340	736	284	1930	774	199	101	44
28	88	225	190	200	348	768	389	2000	823	162	91	40
29	76	225	180	200	---	704	434	2040	810	130	87	43
30	74	235	190	200	---	661	440	2060	690	132	82	44
31	80	---	180	200	---	617	---	2140	---	131	96	---
TOTAL	1303	3678	5510	6010	7571	13373	9996	41746	38250	11467	3025	1552
MEAN	42	123	178	194	270	431	333	1347	1275	370	98	52
AC-FT	2580	7300	10930	11920	15020	26530	19830	82800	75870	22740	6000	3080
MAX	88	235	210	220	376	768	616	2140	2010	638	159	115
MIN	13	60	120	170	180	308	172	554	690	130	61	29
CAL YR 2000	TOTAL	57572	MEAN	157	MAX	440	MIN	7	AC-FT	114200		
WTR YR 2001	TOTAL	143481	MEAN	393	MAX	2140	MIN	13	AC-FT	284600		

MAX DISCH: 2170 CFS AT 10:30 ON May. 31, 2001 GH 3.75 FT. SHIFT -0.06 FT.  
MAX GH: 3.75 FT. AT 10:30 ON May. 31, 2001

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



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO

**LOCATION.**--Tarbell ditch diverts water from Lake Fork Cochetopa Creek (tributary to Cochetopa Creek), in NW¼ sec. 18, T.43 N., R.2 E., in Gunnison River basin, to Lake Fork 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 with satellite monitoring system at a 2.5' Parshall Flume.

**REMARKS.**--Record is complete and reliable. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--TARBELCO01 USED FROM 05-JUN-2001 TO 14-SEP-2001

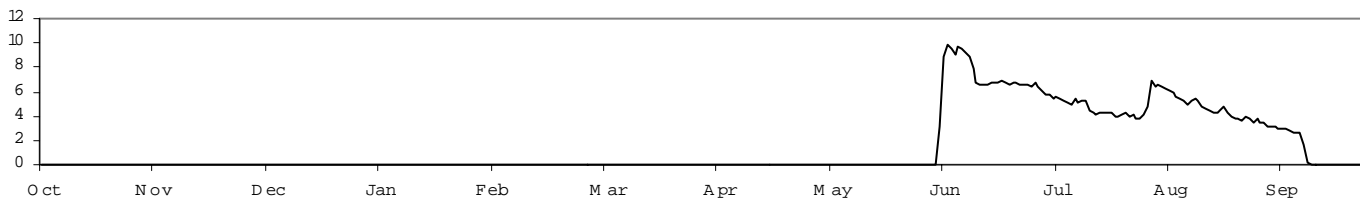
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	6.8	4.8	3.5
2	0	0	0	0	0	0	0	0	0	6.4	6.9	3.4
3	0	0	0	0	0	0	0	0	0	6.1	6.4	3.2
4	0	0	0	0	0	0	0	0	0	5.8	6.5	3.1
5	0	0	0	0	0	0	0	0	3.2	5.7	6.4	3.1
6	0	0	0	0	0	0	0	0	8.9	5.5	6.2	3
7	0	0	0	0	0	0	0	0	9.8	5.6	6.1	2.9
8	0	0	0	0	0	0	0	0	9.5	5.4	5.9	2.9
9	0	0	0	0	0	0	0	0	9.1	5.3	5.6	2.8
10	0	0	0	0	0	0	0	0	9.7	5.1	5.4	2.7
11	0	0	0	0	0	0	0	0	9.5	5	5.3	2.7
12	0	0	0	0	0	0	0	0	9.2	5.4	5	2.7
13	0	0	0	0	0	0	0	0	8.8	5.1	5.2	1.7
14	0	0	0	0	0	0	0	0	7.9	5.3	5.5	.24
15	0	0	0	0	0	0	0	0	6.8	5.2	5.3	0
16	0	0	0	0	0	0	0	0	6.5	4.5	4.8	0
17	0	0	0	0	0	0	0	0	6.6	4.3	4.6	0
18	0	0	0	0	0	0	0	0	6.6	4.1	4.5	0
19	0	0	0	0	0	0	0	0	6.8	4.2	4.3	0
20	0	0	0	0	0	0	0	0	6.8	4.3	4.2	0
21	0	0	0	0	0	0	0	0	6.8	4.3	4.4	0
22	0	0	0	0	0	0	0	0	6.9	4.2	4.8	0
23	0	0	0	0	0	0	0	0	6.8	3.9	4.3	0
24	0	0	0	0	0	0	0	0	6.6	4	4	0
25	0	0	0	0	0	0	0	0	6.7	4.1	3.8	0
26	0	0	0	0	0	0	0	0	6.7	4.2	3.7	0
27	0	0	0	0	0	0	0	0	6.6	3.9	3.6	0
28	0	0	0	0	0	0	0	0	6.5	4.1	3.9	0
29	0	0	0	0	---	0	0	0	6.5	3.7	3.7	0
30	0	0	0	0	---	0	0	0	6.4	3.8	3.5	0
31	0	---	0	0	---	0	---	0	---	4.1	3.7	---
TOTAL	0	0	0	0	0	0	0	0	192.2	149.4	152.3	37.94
MEAN	0	0	0	0	0	0	0	0	6.41	4.8	4.9	1.26
AC-FT	0	0	0	0	0	0	0	0	381	296	302	75
MAX	0	0	0	0	0	0	0	0	9.8	6.8	6.9	3.5
MIN	0	0	0	0	0	0	0	0	0	3.7	3.5	0

CAL YR 2000	TOTAL	317.78	MEAN	0.87	MAX	9.9	MIN	0	AC-FT	630
WTR YR 2001	TOTAL	531.84	MEAN	1.46	MAX	9.8	MIN	0	AC-FT	1050

MAX DISCH: 11.6 CFS AT 23:45 ON Jun. 9, 2001 GH 1.04 FT. SHIFT 0.06 FT.  
MAX GH: 1.04 FT. AT 23:45 ON Jun. 9, 2001

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



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO

LOCATION.--Lat 37°56'30", long 107°09'00"; Tabor ditch diverts water from tributaries of Cebolla Creek in secs, 29 and 36, T.43 N., R.3 W., in Gunnison River basin, to Big Spring Creek (tributary to North Clear Creek) in sec. 35, T.43 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Steven's Data Logger and satellite monitoring system at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by the Division III Hydrographic Staff.

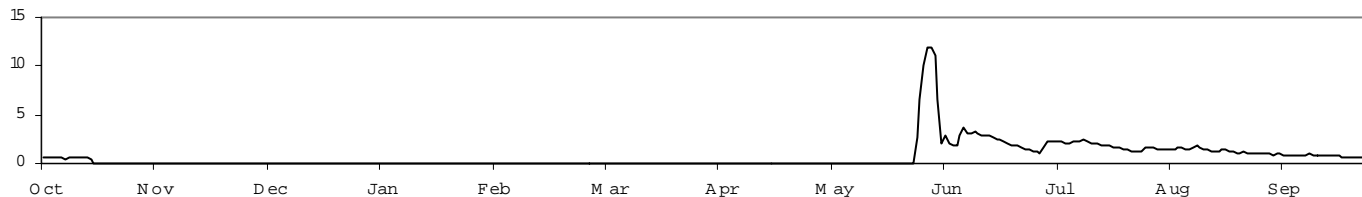
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.57	0	0	0	0	0	0	0	12	1.3	1.6	1
2	.54	0	0	0	0	0	0	0	12	1.1	1.6	.96
3	.53	0	0	0	0	0	0	0	11	1.6	1.5	.95
4	.54	0	0	0	0	0	0	0	6.6	2.3	1.5	.83
5	.56	0	0	0	0	0	0	0	2.1	2.3	1.4	.93
6	.52	0	0	0	0	0	0	0	2.8	2.3	1.4	.95
7	.5	0	0	0	0	0	0	0	2.1	2.2	1.4	.88
8	.53	0	0	0	0	0	0	0	1.8	2.2	1.4	.88
9	.61	0	0	0	0	0	0	0	1.9	2.1	1.6	.85
10	.59	0	0	0	0	0	0	0	2.9	2.1	1.6	.82
11	.56	0	0	0	0	0	0	0	3.6	2.2	1.5	.79
12	.59	0	0	0	0	0	0	0	3	2.2	1.5	.75
13	.64	0	0	0	0	0	0	0	3.1	2.2	1.6	.81
14	.48	0	0	0	0	0	0	0	3.3	2.4	1.8	.97
15	0	0	0	0	0	0	0	0	3	2.2	1.7	.8
16	0	0	0	0	0	0	0	0	2.9	2.1	1.4	.77
17	0	0	0	0	0	0	0	0	2.8	2.1	1.4	.83
18	0	0	0	0	0	0	0	0	2.8	2	1.3	.8
19	0	0	0	0	0	0	0	0	2.6	1.9	1.3	.76
20	0	0	0	0	0	0	0	0	2.4	1.8	1.2	.75
21	0	0	0	0	0	0	0	0	2.4	1.8	1.4	.74
22	0	0	0	0	0	0	0	0	2.2	1.7	1.5	.72
23	0	0	0	0	0	0	0	0	2	1.6	1.3	.71
24	0	0	0	0	0	0	0	0	1.9	1.6	1.2	.71
25	0	0	0	0	0	0	0	0	1.9	1.5	1.1	.7
26	0	0	0	0	0	0	0	0	1.8	1.5	1.1	.69
27	0	0	0	0	0	0	0	0	1.6	1.3	1.2	.68
28	0	0	0	0	0	0	0	0	1.5	1.3	1.1	.68
29	0	0	0	0	---	0	0	2.7	1.5	1.2	1	.67
30	0	0	0	0	---	0	0	6.6	1.3	1.3	1.1	.61
31	0	---	0	0	---	0	---	10	---	1.6	1.1	---
TOTAL	7.76	0	0	0	0	0	0	19.3	102.8	57	42.8	23.99
MEAN	.25	0	0	0	0	0	0	.62	3.4	1.8	1.4	.8
AC-FT	15	0	0	0	0	0	0	38	204	113	85	48
MAX	.64	0	0	0	0	0	0	10	12	2.4	1.8	1
MIN	0	0	0	0	0	0	0	0	1.3	1.1	1	.61
CAL YR 2000	TOTAL	249.85	MEAN	0.68	MAX	7.9	MIN	0	AC-FT	496		
WTR YR 2001	TOTAL	253.65	MEAN	0.69	MAX	12	MIN	0	AC-FT	503		

MAX DISCH: 17.1 CFS AT 20:45 ON Jun. 1, 2001 GH 1.22 FT. SHIFT 0.04 FT.  
MAX GH: 1.22 FT. AT 20:45 ON Jun. 1, 2001

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



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TREDITCO01 USED FROM 19-JUN-2001 TO 10-JUL-2001

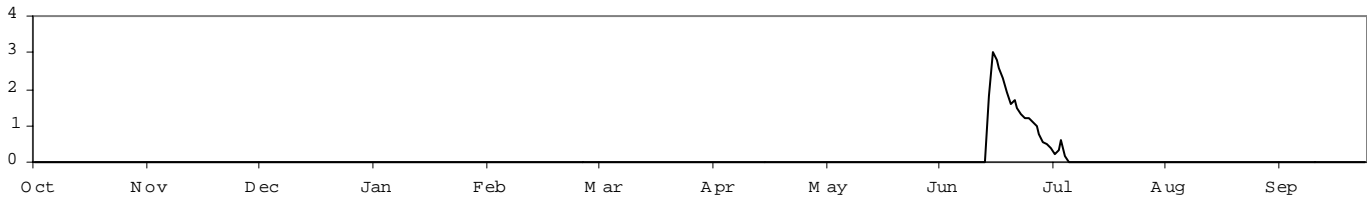
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	1.1	0	0
2	0	0	0	0	0	0	0	0	0	.99	0	0
3	0	0	0	0	0	0	0	0	0	.77	0	0
4	0	0	0	0	0	0	0	0	0	.56	0	0
5	0	0	0	0	0	0	0	0	0	.51	0	0
6	0	0	0	0	0	0	0	0	0	.38	0	0
7	0	0	0	0	0	0	0	0	0	.2	0	0
8	0	0	0	0	0	0	0	0	0	.31	0	0
9	0	0	0	0	0	0	0	0	0	.61	0	0
10	0	0	0	0	0	0	0	0	0	.18	0	0
11	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
13	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
15	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
17	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
19	0	0	0	0	0	0	0	0	1.8	0	0	0
20	0	0	0	0	0	0	0	0	3	0	0	0
21	0	0	0	0	0	0	0	0	2.8	0	0	0
22	0	0	0	0	0	0	0	0	2.6	0	0	0
23	0	0	0	0	0	0	0	0	2.3	0	0	0
24	0	0	0	0	0	0	0	0	1.9	0	0	0
25	0	0	0	0	0	0	0	0	1.6	0	0	0
26	0	0	0	0	0	0	0	0	1.7	0	0	0
27	0	0	0	0	0	0	0	0	1.5	0	0	0
28	0	0	0	0	0	0	0	0	1.3	0	0	0
29	0	0	0	0	---	0	0	0	1.2	0	0	0
30	0	0	0	0	---	0	0	0	1.2	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	22.9	5.61	0	0
MEAN	0	0	0	0	0	0	0	0	.76	.18	0	0
AC-FT	0	0	0	0	0	0	0	0	45	11	0	0
MAX	0	0	0	0	0	0	0	0	3	1.1	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR 2000 TOTAL 35.36 MEAN .097 MAX 3.2 MIN 0 AC-FT 70  
WTR YR 2001 TOTAL 28.51 MEAN .078 MAX 3 MIN 0 AC-FT 57

MAX DISCH: 3.17 CFS AT 23:00 ON Jun. 19, 2001 GH 0.51 FT. SHIFT 0.04 FT.  
MAX GH: 0.51 FT. AT 23:00 ON Jun. 19, 2001

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



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--No water flowed by station during water year. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.-- DLFDT1CO

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
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
2	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
4	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
6	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
8	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
10	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
12	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
14	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
16	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
18	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
20	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
22	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
24	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
26	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
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	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
AC-FT	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
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR 2000 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0  
WTR YR 2001 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0

MAX DISCH: 0 CFS AT 00:00 ON GH SHIFT FT.  
MAX GH: 0 FT. AT 00:00 ON

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

NO FLOW

## 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.**--Stevens Data logger and satellite monitoring system at 1.5 ft Parshall flume.

**REMARKS.**--Record is complete and reliable. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--DLFDT2CO

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
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
2	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
4	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
6	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
8	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
10	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
12	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
14	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
16	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
18	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
20	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
22	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
24	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
26	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
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	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
AC-FT	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
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2000	TOTAL	5.04	MEAN	0.014	MAX	0.44	MIN	0	AC-FT	10
WTR YR	2001	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0

MAX DISCH: 0 CFS AT 00:00 ON GH SHIFT FT.  
MAX GH: 0 FT. AT 00:00 ON

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

NO FLOW

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.

DON LA FONT DITCH, COMBINED, AT PIEDRA PASS

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
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
2	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
4	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
6	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
8	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
10	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
12	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
14	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
16	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
18	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
20	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
22	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
24	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
26	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
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	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
AC-FT	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
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR 2000 TOTAL 5.04 MEAN 0.014 MAX 0.44 MIN 0 AC-FT 10  
WTR YR 2001 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0

MAX DISCH: 0 CFS AT 00:00 ON GH SHIFT FT.  
MAX GH: 0 FT. AT 00:00 ON

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

NO FLOW

TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Satellite monitored DCP at a 2' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WCSBITCO01 USED FROM 03-JUN-2001 TO 21-SEP-2001

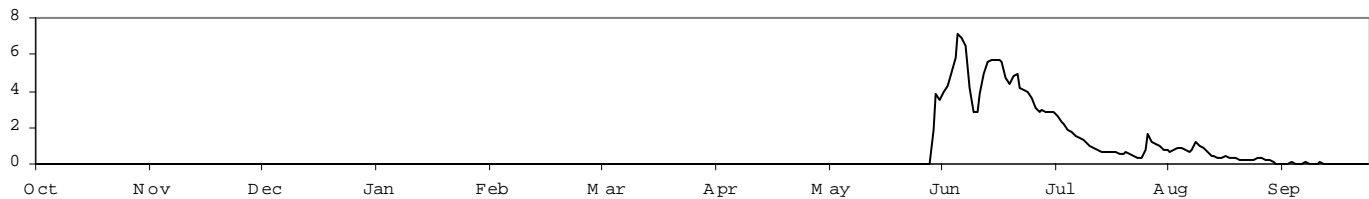
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	3.1	1.6	.28
2	0	0	0	0	0	0	0	0	0	2.9	1.2	.26
3	0	0	0	0	0	0	0	0	1.9	3	1.1	.26
4	0	0	0	0	0	0	0	0	3.8	2.9	.99	.13
5	0	0	0	0	0	0	0	0	3.5	2.8	.8	0
6	0	0	0	0	0	0	0	0	3.9	2.8	.8	0
7	0	0	0	0	0	0	0	0	4.3	2.6	.66	0
8	0	0	0	0	0	0	0	0	5	2.3	.8	0
9	0	0	0	0	0	0	0	0	5.8	2.2	.83	.09
10	0	0	0	0	0	0	0	0	7.1	1.9	.88	0
11	0	0	0	0	0	0	0	0	6.9	1.7	.73	0
12	0	0	0	0	0	0	0	0	6.5	1.5	.66	0
13	0	0	0	0	0	0	0	0	4.2	1.4	.8	.1
14	0	0	0	0	0	0	0	0	2.8	1.3	1.2	0
15	0	0	0	0	0	0	0	0	2.9	1.2	.97	0
16	0	0	0	0	0	0	0	0	3.8	1	.83	0
17	0	0	0	0	0	0	0	0	4.9	.83	.66	.07
18	0	0	0	0	0	0	0	0	5.6	.72	.49	.04
19	0	0	0	0	0	0	0	0	5.7	.69	.4	0
20	0	0	0	0	0	0	0	0	5.7	.63	.36	0
21	0	0	0	0	0	0	0	0	5.7	.65	.36	0
22	0	0	0	0	0	0	0	0	5.6	.62	.42	0
23	0	0	0	0	0	0	0	0	4.7	.63	.35	0
24	0	0	0	0	0	0	0	0	4.4	.6	.32	0
25	0	0	0	0	0	0	0	0	4.8	.52	.28	0
26	0	0	0	0	0	0	0	0	4.9	.66	.26	0
27	0	0	0	0	0	0	0	0	4.2	.54	.27	0
28	0	0	0	0	0	0	0	0	4.1	.46	.27	0
29	0	0	0	0	---	0	0	0	4	.38	.26	0
30	0	0	0	0	---	0	0	0	3.6	.35	.21	0
31	0	---	0	0	---	0	---	0	---	.8	.34	---
TOTAL	0	0	0	0	0	0	0	0	130.3	43.68	20.1	1.23
MEAN	0	0	0	0	0	0	0	0	4.34	1.41	.65	.04
AC-FT	0	0	0	0	0	0	0	0	258	87	40	2.4
MAX	0	0	0	0	0	0	0	0	7.1	3.1	1.6	.28
MIN	0	0	0	0	0	0	0	0	0	.35	.21	0

CAL YR 2000	TOTAL	116.07	MEAN	0.32	MAX	4.4	MIN	0	AC-FT	230
WTR YR 2001	TOTAL	195.31	MEAN	0.54	MAX	7.1	MIN	0	AC-FT	387

MAX DISCH: 8.13 CFS AT 17:00 ON Jun. 10, 2001 GH 0.96 FT. SHIFT 0.05 FT.  
MAX GH: 1 FT. AT 16:45 ON Jun. 25, 2001

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





TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUICHE PASS DITCH AT WEMINUICHE PASS, CO

LOCATION.--Pine River-Weminuche Pass ditch diverts water from right bank of north fork of Los Pinos River in sec. 4, 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 and Sutron Satellite System at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by the Division III Hydrographic Staff.

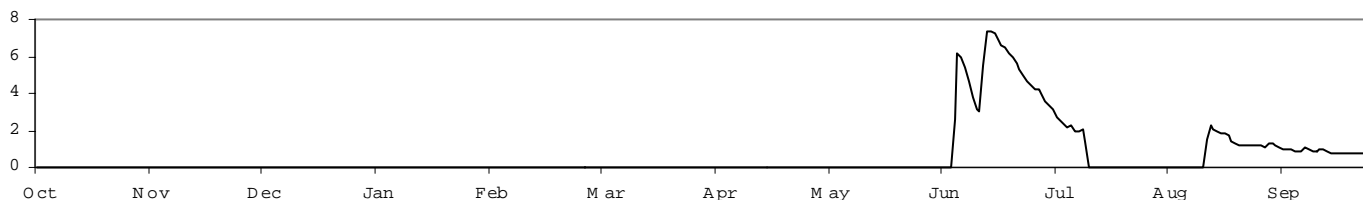
RATING TABLE.--PRWDITCO04 USED FROM 27-MAY-2001 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
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	4.2	0	1.2
2	0	0	0	0	0	0	0	0	0	4.2	0	1.1
3	0	0	0	0	0	0	0	0	0	4	0	1.3
4	0	0	0	0	0	0	0	0	0	3.6	0	1.3
5	0	0	0	0	0	0	0	0	0	3.3	0	1.2
6	0	0	0	0	0	0	0	0	0	3.1	0	1.1
7	0	0	0	0	0	0	0	0	0	2.7	0	1
8	0	0	0	0	0	0	0	0	0	2.5	0	1
9	0	0	0	0	0	0	0	0	2.6	2.4	0	.97
10	0	0	0	0	0	0	0	0	6.2	2.2	0	.91
11	0	0	0	0	0	0	0	0	5.9	2.3	0	.88
12	0	0	0	0	0	0	0	0	5.4	2	0	.86
13	0	0	0	0	0	0	0	0	4.7	1.9	0	1.1
14	0	0	0	0	0	0	0	0	3.8	2.1	0	1
15	0	0	0	0	0	0	0	0	3.1	1.4	0	.91
16	0	0	0	0	0	0	0	0	3	0	0	.87
17	0	0	0	0	0	0	0	0	5.5	0	1.5	1
18	0	0	0	0	0	0	0	0	7.4	0	2.3	.98
19	0	0	0	0	0	0	0	0	7.4	0	2.1	.87
20	0	0	0	0	0	0	0	0	7.2	0	1.9	.81
21	0	0	0	0	0	0	0	0	6.8	0	1.8	.8
22	0	0	0	0	0	0	0	0	6.6	0	1.8	.79
23	0	0	0	0	0	0	0	0	6.5	0	1.7	.78
24	0	0	0	0	0	0	0	0	6.2	0	1.4	.77
25	0	0	0	0	0	0	0	0	5.9	0	1.3	.74
26	0	0	0	0	0	0	0	0	5.6	0	1.2	.73
27	0	0	0	0	0	0	0	0	5.3	0	1.2	.72
28	0	0	0	0	0	0	0	0	5	0	1.2	.71
29	0	0	0	0	---	0	0	0	4.7	0	1.2	.71
30	0	0	0	0	---	0	0	0	4.4	0	1.2	.71
31	0	---	0	0	---	0	---	0	---	0	1.2	---
TOTAL	0	0	0	0	0	0	0	0	119.2	41.9	23	27.82
MEAN	0	0	0	0	0	0	0	0	3.97	1.35	.74	.93
AC-FT	0	0	0	0	0	0	0	0	236	83	46	55
MAX	0	0	0	0	0	0	0	0	7.4	4.2	2.3	1.3
MIN	0	0	0	0	0	0	0	0	0	0	0	.71
CAL YR 2000	TOTAL	102.2	MEAN	0.28	MAX	9.7	MIN	0	AC-FT	203		
WTR YR 2001	TOTAL	211.92	MEAN	0.58	MAX	7.4	MIN	0	AC-FT	420		

MAX DISCH: 7.6 CFS AT 07:15 ON Jun. 18, 2001 GH 0.79 FT. SHIFT -0.04 FT.  
MAX GH: 0.79 FT. AT 07:15 ON Jun. 18, 2001

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



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

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

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

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

**REMARKS.**--No water diverted in water year 2001. Station maintained and record developed by the Division III Hydrographic Staff.

**RATING TABLE.**--

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
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
2	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
4	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
6	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
8	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
10	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
12	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
14	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
16	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
18	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
20	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
22	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
24	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
26	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
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	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
AC-FT	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
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2000	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2001	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0

MAX DISCH: 0 CFS AT 00:00 ON GH FT. SHIFT FT.  
MAX GH: 0 FT. AT 00:00 ON

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

NO FLOW

GUNNISON RIVER BASIN

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR

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

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

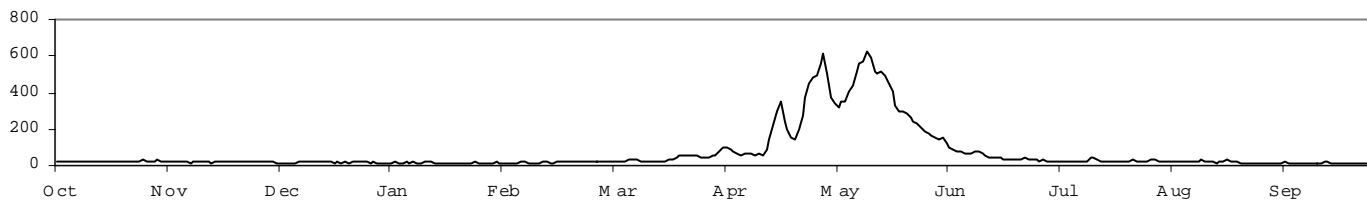
**REMARKS.**--The primary record this year is the electronic data logger from the 8200 DCP. The PRM was constructed by using the EDL record, then compared it to the chart. The EDL record is missing from Dec.20,2000 to Jan.16,2001. The chart is used to fill this period, and the GH's were edited into the Hydro Records program. Record is complete, good and reliable, except for the periods when the stage-discharge relationship was effected by ice, which are rated poor and the period where the well was frozen and the stage was considered missing record. The ice period was from Nov.7,2000, to March 8,2001. Station maintained by Stephen W. Tuck. Record developed by Stephen W. Tuck.

**RATING TABLE.**--MUDAPRCO06 USED FROM 01-OCT-2000 TO 03-NOV-2000  
 MUDAPRCO07 USED FROM 03-NOV-2000 TO 30-SEP-2001  
 DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	24	16	16	14	20	53	556	165	27	32	15
2	19	24	14	16	14	18	60	611	149	29	31	14
3	18	21	16	18	16	20	73	499	140	27	25	14
4	21	22	16	16	16	18	99	368	148	24	25	9.8
5	25	26	16	16	16	18	101	335	125	24	25	11
6	25	20	16	18	16	20	90	318	103	24	23	13
7	21	16	18	16	18	24	73	349	88	22	21	17
8	20	18	20	18	20	24	67	354	81	23	24	14
9	19	25	20	14	16	32	56	407	74	23	23	14
10	18	20	22	16	16	32	66	439	71	23	26	14
11	18	24	18	18	16	30	66	510	66	21	25	12
12	18	20	20	18	16	27	65	557	63	20	22	11
13	18	12	20	20	18	27	58	574	78	22	20	12
14	19	18	20	16	20	24	63	628	72	26	27	15
15	18	24	20	16	16	25	60	591	62	39	32	12
16	18	24	18	16	14	24	91	519	52	39	26	9.7
17	17	22	16	14	18	25	144	499	46	31	22	16
18	17	20	20	14	18	23	214	517	41	23	17	23
19	17	20	16	14	18	23	301	491	39	22	16	18
20	17	20	20	16	18	29	346	451	39	22	17	16
21	17	20	16	14	20	38	241	406	36	20	17	15
22	17	20	18	14	21	47	195	328	33	20	29	14
23	18	22	18	16	20	51	152	301	32	19	25	14
24	24	20	18	16	18	52	143	293	32	18	23	13
25	29	22	18	18	18	55	192	280	31	22	20	12
26	24	20	18	16	18	56	269	262	32	26	15	12
27	20	20	16	16	21	55	378	246	39	33	15	13
28	23	22	18	16	20	51	449	227	36	25	13	11
29	28	20	16	16	---	46	484	211	33	21	13	9.2
30	25	22	16	14	---	42	493	184	28	19	14	8.7
31	23	---	16	18	---	45	---	175	---	25	16	---
TOTAL	631	628	550	500	490	1021	5142	12486	2034	759	679	402.4
MEAN	20	21	18	16	18	33	171	403	68	25	22	13.4
AC-FT	1250	1250	1090	992	972	2030	10200	24770	4030	1510	1350	798
MAX	29	26	22	20	21	56	493	628	165	39	32	23
MIN	17	12	14	14	14	18	53	175	28	18	13	8.7

CAL YR 2000 TOTAL 29031.4 MEAN 79.5 MAX 748 MIN 7.4 AC-FT 57580  
 WTR YR 2001 TOTAL 25322.4 MEAN 69.4 MAX 628 MIN 8.7 AC-FT 50230  
 MAX DISCH: 775 CFS AT 23:15 ON May. 1, 2001 GH 7.74 FT. SHIFT -0.01 FT.  
 MAX GH: 7.74 FT. AT 23:15 ON May. 1, 2001

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



GUNNISON RIVER BASIN

09131500 MUDDY CREEK BELOW PAONIA RESERVOIR

**LOCATION.**--Lat 38°56'26", long 107°21'24" in the SE¼NW¼NE¼ sec. 8, T.13 S., R. 89 W. (in Gunnison County on the right hand bank), and about 100 feet above county bridge and about 1100 feet below Paonia Reservoir outlet.

**GAGE.**--Water-stage recorder and satellite telemetry float activated. Bank operated cableway installed April 1996.

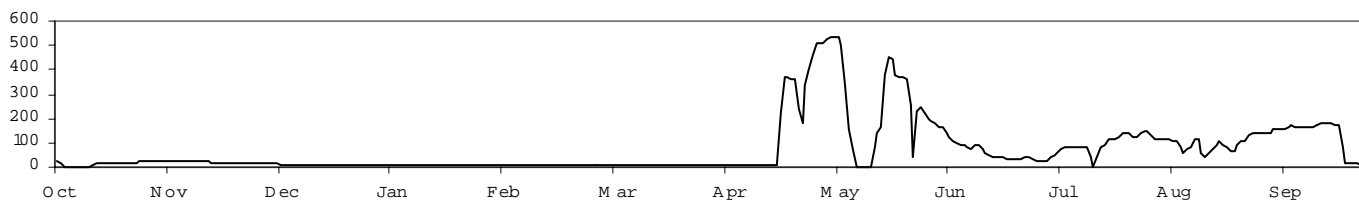
**REMARKS.**--The primary record is the electronic data from the Sutron 8200. This record proves to be good. There was a missing record period from Oct.3,2000 to Oct.10,2000, where the Paonia Reservoir was shut down and the well was isolated from the stream, with the inlets out of the water. The new rating curve should improve the record of the stage/discharge relation. The main change in the control is the growth of moss on the control, beaver activity or inlets freezing with low flows. This station seems to be very stable from year to year. Record developed and station maintained by Stephen W. Tuck and Gerald M. Thrush.

**RATING TABLE.**--MUDBPRC006 USED FROM 01-OCT-2000 TO 30-SEP-2001  
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	21	16	10	11	12	11	509	190	25	130	140
2	14	21	12	10	11	11	11	510	177	24	119	140
3	0	21	9	11	11	11	12	527	163	24	119	143
4	0	21	9	11	11	11	12	536	165	44	119	158
5	0	21	9	11	11	11	12	534	137	53	118	155
6	0	21	9.5	11	11	11	12	531	121	60	113	153
7	0	21	10	11	11	11	12	504	109	74	108	153
8	0	21	10	11	11	11	12	347	99	79	108	163
9	0	21	10	11	11	11	12	160	93	79	85	170
10	0	21	10	11	11	11	12	77	88	79	56	168
11	8	21	10	11	11	11	12	3	81	79	73	168
12	19	21	10	12	11	11	12	3.1	74	79	85	167
13	19	20	10	12	11	11	12	3.1	91	83	112	163
14	19	17	10	12	11	11	12	3.1	89	79	114	163
15	19	16	10	12	11	11	12	3.1	72	39	54	161
16	19	16	10	11	11	11	12	84	59	3.7	38	173
17	19	16	10	11	11	11	12	143	50	41	56	184
18	19	16	10	11	11	11	12	162	45	83	78	183
19	19	16	10	11	11	11	12	379	40	93	93	181
20	19	16	10	11	11	11	223	456	39	114	103	179
21	19	16	10	11	11	11	370	441	39	114	93	174
22	20	16	10	11	11	11	367	376	34	114	80	171
23	20	16	10	11	12	11	362	366	33	120	69	81
24	21	16	10	11	12	11	360	366	33	137	69	19
25	21	16	10	12	12	11	238	365	33	137	93	19
26	21	16	10	12	12	11	178	251	31	136	109	19
27	21	16	10	11	12	11	333	43	39	126	108	14
28	21	16	10	11	12	11	400	231	38	121	128	10
29	21	16	10	11	---	11	462	246	34	137	143	10
30	21	16	10	11	---	11	508	218	28	148	142	10
31	21	---	10	11	---	11	---	200	---	144	140	---
TOTAL	444	545	314.5	345	314	342	4027	8577.4	2324	2668.7	3055	3792
MEAN	14.3	18	10.1	11	11	11	134	277	78	86.1	99	126
AC-FT	881	1080	624	684	623	678	7990	17010	4610	5290	6060	7520
MAX	24	21	16	12	12	12	508	536	190	148	143	184
MIN	0	16	9	10	11	11	11	3	28	3.7	38	10
CAL YR 2000	TOTAL	32197.1	MEAN	88.2	MAX	498	MIN	0	AC-FT	63860		
WTR YR 2001	TOTAL	26748.6	MEAN	73.3	MAX	536	MIN	0	AC-FT	53060		

MAX DISCH: 557CFS AT 13:45 ON May 7,2001 GH 4.48 FT. SHIFT 0 FT.  
MAX GH: 4.48 FT. AT 13:45 ON May 7, 2001

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



GUNNISON RIVER BASIN

ABC LATERAL NEAR MONTROSE, CO

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

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

**REMARKS.**--Record is complete, good and reliable. The data was imported from the DCP EDL as the primary record. The normal operating period of the canal was from Oct. 01, 2000 through Oct. 31, 2000 and from Mar. 19, 2001 to Sep. 30, 2001. The intervening period, from Nov.1, 2000 to Mar. 19, 2001 consisted of seepage from the Gunnison Tunnel. This winter shut down period is a normal operational occurrence. There is very little ice effect due to the warm thermal properties of the water. Station maintained and record developed by Gerald M. Thrush.

**RATING TABLE.**--ABCLATCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

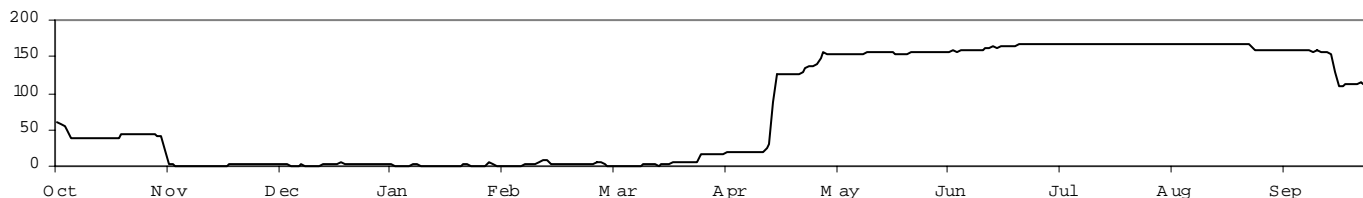
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	1.6	1.5	1.4	1.1	5.3	16	149	156	168	166	158
2	57	2.4	1.6	1.4	1.1	1.5	16	155	157	168	167	158
3	56	1.2	1.5	1.3	1.1	1.3	16	154	156	167	167	158
4	48	1.3	1.5	1.1	1.1	1.3	17	154	157	167	167	158
5	39	1.2	1.3	1.2	1	1.2	18	154	157	167	167	158
6	39	1.2	1.2	1.2	1.1	1.1	19	153	157	167	167	158
7	39	1.3	1.2	1.1	1.3	1	19	154	158	167	167	158
8	39	1.2	1.4	1.9	1.5	1.1	19	154	157	167	167	158
9	39	1.1	1.3	1.7	1.5	1.1	19	154	158	167	167	158
10	39	1.2	1.2	1.2	1.7	1.2	19	154	158	166	167	158
11	39	1.1	1	1.1	1.8	1.2	19	154	158	166	167	158
12	39	1.1	1	1	6	1.1	19	154	158	166	167	158
13	38	1.2	1.2	1	9.1	2.8	19	154	159	166	168	158
14	38	1.2	1.5	1	9.1	3.6	19	155	159	166	167	158
15	38	1.1	1.6	1	1.8	1.6	20	155	160	166	168	157
16	38	.94	1.6	1	1.5	1.5	26	155	161	166	168	158
17	38	.88	1.6	1	1.5	1.3	30	156	163	166	168	157
18	39	1.5	1.6	1	1.5	1.5	89	155	164	166	168	157
19	43	1.5	5.8	1.1	1.5	2.5	126	155	163	166	168	157
20	43	1.4	2	1.1	1.5	3.3	125	155	164	166	168	154
21	43	1.4	1.6	1.2	1.5	4.2	125	155	164	166	168	128
22	43	1.4	1.4	1.4	1.5	4.7	125	154	165	166	168	110
23	43	1.4	1.4	1.4	1.5	5.3	125	154	165	167	168	110
24	43	1.5	1.4	1.1	1.5	5.4	125	154	165	167	168	112
25	43	1.5	1.4	1	1.5	5.4	125	154	166	167	168	112
26	43	1.5	1.4	1.1	1.5	5.4	129	155	167	166	167	113
27	43	1.5	1.4	1	1.5	5.4	135	155	167	166	166	113
28	43	1.5	1.4	1	6	5.4	137	155	167	167	166	114
29	42	1.5	1.5	4.5	---	16	138	155	167	167	162	113
30	42	1.4	1.4	1.9	---	16	140	156	167	167	159	112
31	23	---	1.4	1.1	---	16	---	156	---	166	159	---
TOTAL	1298	40.22	48.3	40.5	64.3	125.7	1974	4786	4840	5163	5165	4289
MEAN	42	1.34	1.6	1.3	2.3	4	66	154	161	167	167	143
AC-FT	2570	80	96	80	128	249	3920	9490	9600	10240	10240	8510
MAX	59	2.4	5.8	4.5	9.1	16	140	156	167	168	168	158
MIN	23	.88	1	1	1	1	16	149	156	166	159	110

CAL YR 2000	TOTAL	26996.06	MEAN	73.9	MAX	171	MIN	0	AC-FT	53550
WTR YR 2001	TOTAL	27834.02	MEAN	76.3	MAX	168	MIN	.88	AC-FT	55210

MAX DISCH: 169 CFS AT 10:45 ON Aug. 20, 2001 GH 3.56 FT. SHIFT -0.12 FT.  
MAX GH: 3.56 FT. AT 10:45 ON Aug. 20, 2001

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



## GUNNISON RIVER BASIN

## SOUTH CANAL NEAR MONTROSE, CO

**LOCATION.**--Lat 38°29'01", long 107°45'20", in NE¼SW¼NE¼ sec 27, T.49 N., R.8 W., Montrose County, on right bank of canal approximately 3600 ft. below the west portal of the Gunnison Tunnel.

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

**REMARKS.**--Data was imported from the DCP EDL as the primary record and the DCP record is complete, reliable, and good during the normal operating season. The normal operating period was from the Oct. 1 to Oct.31, 2000 and from Mar. 19 to Sep 30, 2001. The intervening period reflected use on eight occasions to fill Fairview Reservoir. These periods were Nov 15-16, Dec. 5-6, Dec. 19, 2000, Jan. 8-9, Jan. 28-29, 2001, Feb. 1-14, Feb 28 to Mar.1, 2001, and Mar. 13-14, 2001. Station maintained and record developed by Gerald M. Thrush.

**RATING TABLE.**--SOUCANCO131 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

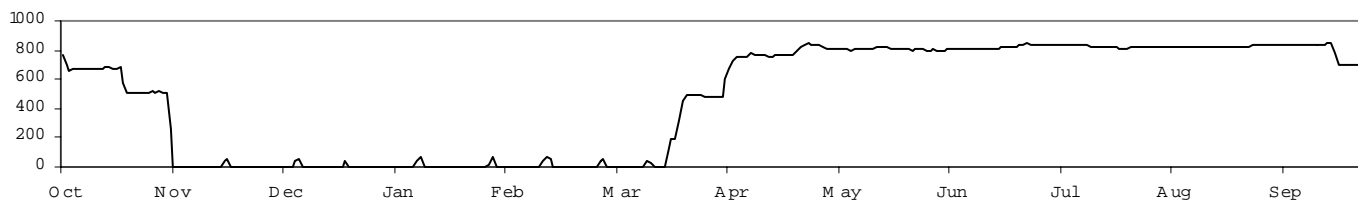
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	768	0	0	0	0	52	482	823	803	839	819	835
2	702	0	0	0	0	0	482	815	800	838	820	834
3	656	0	0	0	0	0	482	814	799	836	819	835
4	667	0	0	0	0	0	596	813	801	835	820	833
5	676	0	43	0	0	0	668	811	802	833	821	834
6	677	0	55	0	0	0	728	807	803	830	823	833
7	676	0	0	0	0	0	759	805	804	831	825	834
8	676	0	0	37	0	0	758	803	806	830	826	836
9	677	0	0	64	0	0	760	801	806	831	825	837
10	676	0	0	0	0	0	760	802	806	833	825	836
11	676	0	0	0	0	0	776	803	808	830	824	838
12	677	0	0	0	36	0	761	803	809	829	825	836
13	680	0	0	0	63	45	763	803	810	829	824	838
14	679	0	0	0	49	33	764	807	812	831	823	840
15	678	46	0	0	0	0	765	813	813	828	823	838
16	678	55	0	0	0	0	759	821	811	826	824	839
17	679	0	0	0	0	0	758	823	810	824	823	841
18	578	0	0	0	0	0	769	822	812	824	825	842
19	511	0	36	0	0	126	766	817	814	821	824	843
20	511	0	0	0	0	195	769	814	816	821	824	848
21	511	0	0	0	0	195	767	811	816	820	823	783
22	511	0	0	0	0	319	770	806	816	818	825	703
23	512	0	0	0	0	456	768	803	817	812	825	705
24	512	0	0	0	0	494	801	803	820	809	828	705
25	513	0	0	0	0	493	826	803	831	812	828	701
26	514	0	0	0	0	493	840	801	842	818	826	700
27	513	0	0	0	0	496	845	802	843	817	823	702
28	514	0	0	9.5	41	497	842	803	842	817	824	704
29	513	0	0	69	---	485	841	802	840	816	830	709
30	512	0	0	0	---	481	838	801	840	816	835	713
31	258	---	0	0	---	481	---	801	---	818	835	---
TOTAL	18581	101	134	179.5	189	5341	22263	25056	24452	25572	25564	23875
MEAN	599	3.37	4.32	5.79	6.75	172	742	808	815	825	825	796
AC-FT	36860	200	266	356	375	10590	44160	49700	48500	50720	50710	47360
MAX	768	55	55	69	63	497	845	823	843	839	835	848
MIN	258	0	0	0	0	0	482	801	799	809	819	700

CAL YR 2000 TOTAL 170406.06 MEAN 466 MAX 871 MIN 0 AC-FT 338000  
WTR YR 2001 TOTAL 171307.5 MEAN 469 MAX 848 MIN 0 AC-FT 339800

MAX DISCH: 864 CFS AT 08:45 ON Apr. 18, 2001 GH 2.92 FT. SHIFT -0.08 FT.

MAX GH: 3.48 FT. AT 14:45 ON Sep. 20, 2001

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



GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, CO

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

**GAGE.**--Water-stage recorder with satellite telemetry on a 4' diameter well in an 8'x10' steel shed on a concrete pad.

**REMARKS.**--Record is complete, reliable and rated good. The electronic data log was used as the primary record. There was a problem with transferring the electronic files on two occasions and the strip chart was used. These periods were from Nov. 11, 2000 to Dec. 11, 2000 and from Jan. 5, 2001 to Jan. 18, 2001. There were no ice affected days due to very mild winter weather. Station maintained by Stephen W. Tuck and Jerry Thrush. Record developed by Jerry Thrush.

**RATING TABLE.**--RLCGRJCO04 USED FROM 01-OCT-2000 TO 30-SEP-2001

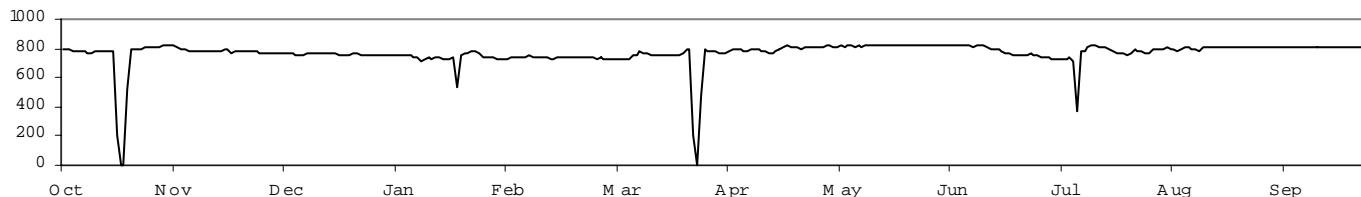
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	794	816	767	754	732	730	774	814	821	738	791	804
2	791	808	763	753	732	721	773	816	820	741	791	804
3	788	793	763	751	734	730	770	817	820	736	794	805
4	781	788	761	751	735	731	773	814	820	727	801	804
5	776	786	759	753	735	730	784	815	819	726	802	803
6	775	787	756	749	736	732	796	818	818	729	798	805
7	775	784	756	737	743	730	796	814	817	728	788	809
8	769	781	763	736	747	730	793	817	818	729	786	808
9	771	778	765	710	740	756	787	816	818	740	796	805
10	775	782	766	724	737	760	778	815	817	718	803	804
11	777	787	770	744	737	774	788	817	819	375	804	806
12	780	787	765	732	739	772	789	815	812	786	797	807
13	782	785	764	737	733	764	793	817	817	783	791	809
14	782	782	766	734	731	760	783	817	822	811	781	809
15	783	792	764	729	731	755	776	819	819	819	812	804
16	205	788	762	725	735	752	773	819	813	819	807	804
17	0	773	757	720	734	760	769	818	799	814	804	808
18	0	779	754	734	734	760	778	821	797	812	805	808
19	525	778	760	534	736	756	801	823	790	806	806	808
20	792	776	760	760	739	749	815	824	776	798	807	810
21	790	776	768	768	737	760	816	822	772	787	808	811
22	793	775	767	767	742	759	812	822	765	773	810	809
23	796	776	759	774	739	770	812	821	759	763	808	810
24	805	775	758	779	738	795	809	822	755	762	804	811
25	810	770	758	761	736	797	800	822	756	759	803	807
26	812	770	759	740	733	212	809	821	755	764	804	808
27	811	770	755	738	732	0	814	820	756	791	805	806
28	815	771	753	737	735	474	812	821	763	782	804	806
29	820	771	753	738	---	788	815	821	760	776	803	804
30	818	770	753	726	---	784	814	820	747	772	804	806
31	818	---	754	731	---	776	---	821	---	769	805	---
TOTAL	22109	23454	23578	22826	20612	21867	23802	25379	23840	23433	24822	24202
MEAN	713	782	761	736	736	705	793	819	795	756	801	807
AC-FT	43850	46520	46770	45280	40880	43370	47210	50340	47290	46480	49230	48000
MAX	820	816	770	779	747	797	816	824	822	819	812	811
MIN	0	770	753	534	731	0	769	814	747	375	781	803

CAL YR 2000	TOTAL	278139	MEAN	760	MAX	833	MIN	0	AC-FT	551700
WTR YR 2001	TOTAL	279924	MEAN	767	MAX	824	MIN	0	AC-FT	555200

MAX DISCH: 857 CFS AT 16:45 ON Jul. 14, 2001 GH 7.43 FT. SHIFT -0.06 FT.  
MAX GH: 7.46 FT. AT 00:30 ON Jul. 27, 2001

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



## GUNNISON RIVER BASIN

## UNCOMPAHGRE RIVER NEAR OLATHE, CO

**LOCATION.**--Lat 38°36'5", long 107°58'58", SW¼SW¼ of NW¼ sec. 15, T.50 N., R. 10W, NMPM, and about 3,100 ft. above the S. H. 348 bridge and about 5,100 ft below the East Canal headgate and diversion structure, both stream distance. The gage is on the right bank and in Montrose County.

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

**GAGE.**--Graphic water-stage recorder with satellite telemetry. The DCP is the primary record with Electronic Data Logger as backup.

**REMARKS.**--The primary record is the electronic data from the Sutron 8200. This record proves to be complete, reliable and good except for the days the well froze. This period is from Jan.17,2001 to Feb.5,2001 and is rated poor. Observations on June 10,1998 have indicated that the Point of Zero Flow is about 1.10 ft. Station maintained by Jerry Thrush and Steven Tuck. Record developed by Steven W. Tuck.

**RATING TABLE.**--UNCOLACO6 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	303	160	129	108	107	89	21	92	1	1.7	38
2	99	306	157	128	100	99	86	27	90	1.1	5.6	43
3	3	282	157	126	108	99	46	37	78	1	1.7	44
4	15	253	155	127	106	103	33	59	43	.84	12	31
5	42	267	155	127	106	106	83	159	4.3	.7	2.2	24
6	37	253	154	127	116	108	32	205	5.7	.64	27	15
7	39	242	152	127	119	107	92	213	16	.71	29	20
8	38	230	156	125	124	106	89	188	11	.86	45	24
9	38	234	155	126	113	105	76	224	13	.98	31	26
10	40	230	152	124	111	112	151	158	48	5.7	5.7	50
11	49	231	154	125	113	118	317	149	32	8.4	3.3	58
12	56	222	152	124	109	109	311	138	83	6.4	2	65
13	49	210	167	128	114	104	248	158	183	95	2.2	91
14	63	199	159	129	117	99	191	326	205	143	96	147
15	61	192	156	118	112	73	149	285	159	353	110	162
16	79	187	149	116	107	71	111	293	127	225	61	160
17	116	180	141	104	106	76	47	255	132	150	42	183
18	107	178	140	110	107	75	30	199	122	116	21	227
19	18	174	132	116	107	72	21	155	44	57	17	340
20	14	173	143	116	105	173	1.7	176	14	29	24	395
21	8	177	138	116	106	141	2.7	161	1.1	5.3	110	375
22	12	179	138	116	105	90	4.8	95	2.2	1.5	187	202
23	17	177	137	114	104	237	.81	64	1.1	1.7	199	165
24	36	169	134	110	104	365	1	62	.72	1.4	132	149
25	35	168	137	100	100	377	2	86	.77	1.5	114	114
26	28	163	135	90	100	312	8	84	.72	1.5	93	91
27	14	166	132	86	102	227	1.7	91	3	1.6	80	74
28	32	165	133	90	101	160	2.1	133	1.1	1.4	59	65
29	61	162	132	104	---	142	10	120	2	1.4	39	63
30	70	161	132	114	---	93	18	94	.94	1.4	29	66
31	197	---	133	110	---	94	---	84	---	10	34	---
TOTAL	1600	6233	4527	3602	3030	4260	2270.11	4499	1515.65	1225.03	1615.4	3507
MEAN	51.6	208	146	116	108	137	75.7	145	50.5	39.5	52.1	117
AC-FT	3170	12360	8980	7140	6010	8450	4500	8920	3010	2430	3200	6960
MAX	197	306	167	129	124	377	317	326	205	353	199	395
MIN	3	161	132	86	100	71	.81	21	.72	.64	1.7	15

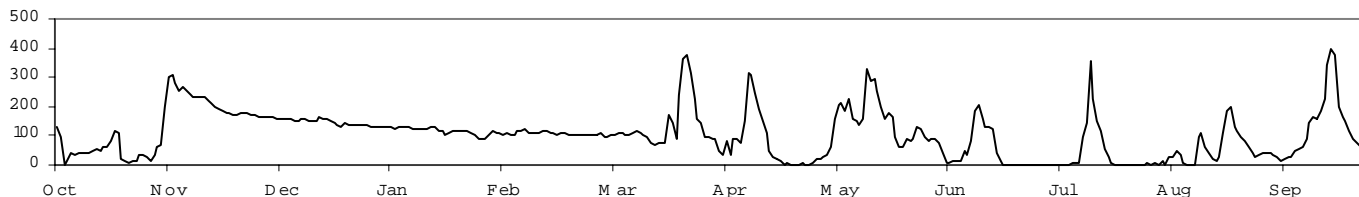
CAL YR 2000 TOTAL 35111.69 MEAN 96 MAX 712 MIN .32 AC-FT 69640

WTR YR 2001 TOTAL 37884.19 MEAN 104 MAX 395 MIN .64 AC-FT 75140

MAX DISCH: 553 CFS AT 19:10 ON Oct. 31, 2000 GH 3.65 FT. SHIFT 0.26 FT.

MAX GH: 3.65 FT. AT 19:10 ON Oct. 31, 2000

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





## BLUE RIVER BASIN

## BLUE RIVER AT HIGHWAY 9 BRIDGE BELOW BRECKENRIDGE, CO

**LOCATION.**--Lat 39°32'29", long 106°02'40", in SE¼SW¼ sec. 7, T.6 S., R.77 W., Hydrologic Unit 14010004, Summit County, on right bank 25 ft. above Highway 9 Bridge, 3 1/2 miles north of Breckenridge and 2 1/4 miles south of Dillon Reservoir(Blue River Arm).

**DRAINAGE AREA AND PERIOD OF RECORD.**--N/A, Satellite telemetry began Nov. 25, 1996 and chart recording began May 29, 1997.

**GAGE.**--Continuous water-stage recorder housed in an exposed aggregate 4'8"x6'8" building with a 4' corrugated metal well 10 ft. deep. Drop tape on inside of well with local datum of 9.89 feet. Altitude of gage is 9,180 ft. from topographic map. Two 2" galvanized pipes connect well to stream. Control is rock and cobble riffle(low flows) and 8' culverts(high flows).

**REMARKS.**--Record is complete and reliable except for the following periods when ice was in the well: December 29-31, January 4-20, and February 12. Record is good except for periods of well icing when record is fair. Transmountain diversions above the station occurred through the Continental-Hoosier Tunnel from April 26 - September 30 and through Boreas Pass Ditch from May 29 - July 18. Station maintained by Scott Hummer and George Wear. Records developed by George Wear.

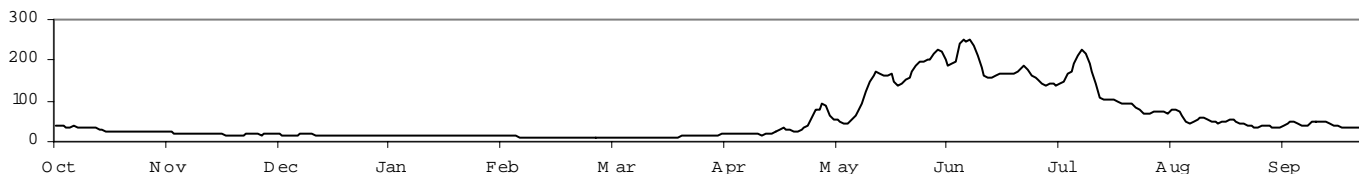
**RATING TABLE.**--BLUNINCO05 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	24	18	15	13	11	13	81	204	153	70	37
2	38	23	18	15	13	11	15	95	216	145	75	39
3	37	22	17	15	13	11	16	89	227	140	75	37
4	36	22	17	15	13	11	18	66	223	141	74	35
5	36	21	17	15	13	11	20	55	203	141	72	35
6	37	22	17	15	13	11	20	53	189	140	71	35
7	36	22	17	15	12	11	20	49	191	141	80	39
8	35	21	18	15	11	11	19	46	197	147	78	44
9	34	20	18	14	11	12	19	46	241	167	74	49
10	33	20	18	14	11	11	20	54	250	173	63	47
11	33	20	18	14	11	12	19	63	246	191	50	45
12	32	21	17	14	11	12	18	75	251	211	46	40
13	31	19	17	14	11	11	18	94	234	228	48	37
14	29	18	17	14	11	11	18	122	211	216	52	39
15	27	18	17	14	11	11	17	148	183	190	59	51
16	26	18	17	14	11	11	18	164	163	172	60	51
17	25	17	17	14	11	11	20	172	155	145	55	47
18	25	17	17	13	11	11	22	168	159	106	51	48
19	25	17	17	13	11	11	26	164	163	102	48	47
20	26	17	17	13	11	11	31	161	169	104	46	44
21	26	16	17	13	11	12	33	168	167	101	47	41
22	25	17	16	13	11	12	31	149	167	102	49	38
23	25	18	16	13	11	12	28	137	168	96	55	36
24	25	19	16	13	11	13	26	142	165	93	54	35
25	27	19	16	13	11	13	25	152	170	94	48	34
26	26	18	16	13	11	13	28	159	176	92	45	33
27	24	17	16	13	11	13	33	172	186	94	43	32
28	24	18	16	13	11	13	41	188	179	86	40	32
29	25	18	16	13	---	13	61	198	164	78	37	30
30	27	18	15	13	---	13	77	197	157	71	36	29
31	25	---	15	13	---	13	---	203	---	68	36	---
TOTAL	919	577	521	428	321	363	770	3830	5774	4128	1737	1186
MEAN	30	19	17	14	12	12	26	124	192	133	56	40
AC-FT	1820	1140	1030	849	637	720	1530	7600	11450	8190	3450	2350
MAX	39	24	18	15	13	13	77	203	251	228	80	51
MIN	24	16	15	13	11	11	13	46	155	68	36	29
CAL YR 2000	TOTAL	18469	MEAN	50.5	MAX	278	MIN	10	AC-FT	36630		
WTR YR 2001	TOTAL	20554	MEAN	56.3	MAX	251	MIN	11	AC-FT	40770		

MAX DISCH: 260 CFS AT 23:00 ON June 9, 2001 GH 2.07 FT. SHIFT 0.02 FT.  
MAX GH: 2.07 FT. AT 23:00 ON June 9, 2001

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



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYING PAN RIVER NEAR NORRIE (WY 1998), CO

**LOCATION.**--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

**DRAINAGE AREA.**--42 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in 42-inch corrugated metal well. Low water control is natural channel and high water control is boulder approximately 50 ft. downstream. Elevation of gage is 8,330 ft. from topographic map. Drop tape on inside of well with local datum of 11.88 ft.

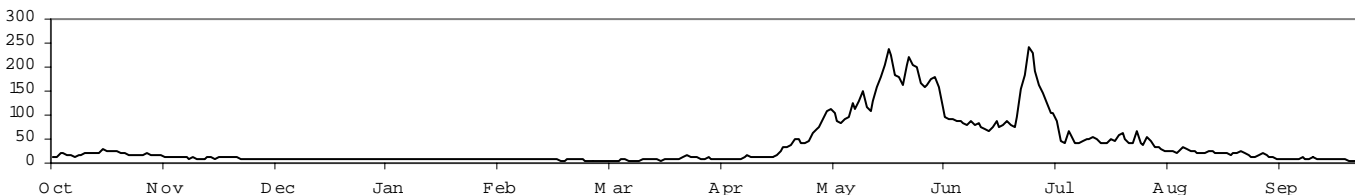
**REMARKS.**--Record is complete except when well was ice affected, Nov 14 - Apr 21 and recorder was not operational May 5 - July 15, July 26 - Aug 26 and Sept 9 - Sept 30. Record is poor due to ice affect and recorder not functioning properly. Transmountain diversions through Boustead Tunnel from May 27 - Aug 23 and through Busk-Ivanhoe Tunnel from May 28 to mid August. Station maintained and records developed by Judy Sappington.

**RATING TABLE.**--FRYNFNCO09 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	14	9.2	6.4	6.4	6.0	13	71	161	190	53	17
2	13	13	9.0	6.7	6.4	5.8	9.2	75	176	164	44	20
3	20	13	9.0	6.7	6.7	5.5	9.4	92	180	147	34	16
4	22	12	8.1	6.7	6.9	5.8	9.7	110	157	125	32	13
5	17	12	8.7	6.4	6.9	5.8	10	112	118	106	31	11
6	15	11	8.7	6.4	6.9	6.0	10	105	95	106	25	10
7	13	11	8.7	6.7	6.9	6.2	9.9	87	90	86	26	9.3
8	15	10	9.0	6.7	6.9	6.7	9.7	82	90	46	24	8.9
9	16	11	9.0	6.7	6.9	6.4	9.4	90	89	43	22	9.4
10	20	10	8.7	6.7	6.7	6.2	9.7	96	89	68	27	9.0
11	20	10	8.3	6.9	6.7	6.0	12	123	84	57	33	8.8
12	21	10	7.6	6.9	7.1	6.0	16	113	81	41	30	9.9
13	21	11	7.8	6.7	7.1	6.2	14	131	86	40	25	12
14	22	11	7.8	6.7	6.9	6.4	13	149	80	44	23	9.8
15	28	10	8.1	6.9	6.7	6.4	12	117	84	50	22	9.4
16	27	11	7.8	6.7	6.7	6.7	12	108	76	48	20	11
17	27	12	7.6	6.7	6.4	6.9	11	131	72	54	21	9.1
18	27	11	7.4	6.4	6.4	6.4	11	160	67	48	26	8.5
19	24	11	7.1	7.1	6.2	6.2	11	179	75	43	25	8.0
20	22	11	7.1	7.6	6.2	7.1	18	204	86	41	22	7.5
21	20	11	6.9	7.4	6.4	6.9	25	237	76	43	22	7.0
22	18	10	7.1	7.4	6.4	7.1	32	225	79	48	21	6.9
23	17	9.9	6.9	7.1	6.4	8.1	35	182	89	47	19	7.0
24	17	10	6.7	7.4	6.4	9.7	39	179	81	60	17	6.9
25	16	9.9	6.7	7.1	6.4	13	51	161	76	61	19	6.4
26	16	9.7	6.7	6.9	6.2	15	51	203	96	52	22	6.2
27	19	9.9	6.9	6.9	6.2	14	43	219	153	42	23	6.1
28	17	9.7	7.1	6.7	6.2	12	41	206	185	43	21	5.9
29	17	9.2	7.1	6.7	---	11	47	200	243	67	16	5.5
30	17	9.2	6.9	6.7	---	10	61	167	231	42	13	4.9
31	16	---	6.4	6.7	---	9.2	---	158	---	38	12	---
TOTAL	593	323.5	240.1	211.7	184.6	240.7	655.0	4472	3345	2090	770	280.4
MEAN	19.1	10.8	7.75	6.83	6.59	7.76	21.8	144	112	67.4	24.8	9.35
AC-FT	1180	642	476	420	366	477	1300	8870	6630	4150	1530	556
MAX	28	14	9.2	7.6	7.1	15	61	237	243	190	53	20
MIN	13	9.2	6.4	6.4	6.2	5.5	9.2	71	67	38	12	4.9
CAL YR 1997 TOTAL	17,106.6	MEAN	46.9	MAX	365	MIN	4.0	AC-FT	33,930			
WTR YR 1998 TOTAL	13406.0	MEAN	36.7	MAX	243	MIN	4.9	AC-FT	26590			

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



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYING PAN RIVER NEAR NORRIE, (WY 1999), CO

**LOCATION.**--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

**DRAINAGE AREA.**--42 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in 42-inch corrugated metal well. Low water control is natural channel and high water control is boulder approximately 50 ft. downstream. Elevation of gage is 8,330 ft. from topographic map. Drop tape on inside of well with local datum of 11.88 ft.

**REMARKS.**--Record is complete and reliable except when channel was ice affected or well frozen Nov 8 - May 1 and when recorder repairs were made May 6 -17. Record is good except during periods of ice-affect, frozen well, or recorder repairs when record is fair. Transmountain diversions through Boustead Tunnel from May 21 - Aug 09 and through Busk-Ivanhoe Tunnel from May 25 to late July. Station maintained and records developed by Judy Sappington.

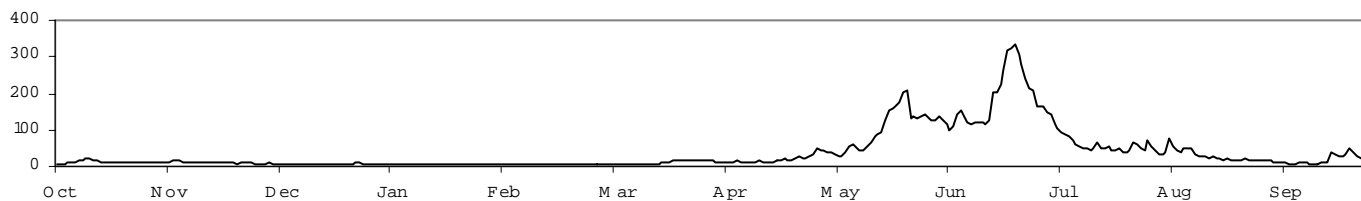
**RATING TABLE.**--FRYNFNCO09 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	12	8.0	7.0	7.0	7.0	14	45	124	167	56	14
2	8.1	16	8.0	7.0	7.0	7.0	13	43	128	167	43	14
3	7.3	17	8.0	7.0	7.0	7.0	11	40	138	149	35	14
4	12	14	8.0	7.0	6.0	7.0	11	38	126	142	33	12
5	12	12	7.0	7.0	7.0	7.0	10	34	115	117	39	11
6	11	12	7.0	7.0	7.0	7.0	11	27	99	105	74	9.8
7	14	11	6.0	7.0	7.0	7.0	12	28	109	91	56	9.1
8	19	11	6.0	7.0	7.0	7.0	14	38	142	87	43	7.9
9	20	12	7.0	6.0	7.0	7.0	12	55	156	80	37	7.5
10	21	9.0	6.0	7.0	7.0	7.0	11	63	133	70	48	7.1
11	19	10	6.0	6.0	7.0	7.0	11	47	120	63	52	9.3
12	16	12	6.0	6.0	7.0	7.0	12	42	117	54	50	12
13	13	10	7.0	6.0	7.0	6.0	13	46	119	48	34	9.3
14	13	10	8.0	6.0	7.0	7.0	14	56	122	47	28	7.9
15	13	10	7.0	6.0	7.0	7.0	12	65	122	46	28	7.7
16	12	10	7.0	6.0	7.0	8.0	11	80	115	48	25	8.1
17	11	10	7.0	6.0	7.0	8.0	12	85	126	64	23	8.3
18	11	9.0	7.0	7.0	7.0	9.0	12	95	204	48	28	9.1
19	12	9.0	8.0	7.0	7.0	10	14	126	204	49	23	12
20	12	8.0	8.0	7.0	7.0	12	18	154	222	56	20	37
21	11	9.0	7.0	7.0	7.0	14	21	161	265	45	19	34
22	10	9.0	7.0	7.0	7.0	15	19	164	316	44	21	29
23	10	9.0	9.0	7.0	7.0	15	17	178	321	49	18	25
24	10	9.0	10	7.0	7.0	14	20	201	332	39	19	33
25	9.5	8.0	8.0	7.0	7.0	16	26	208	305	36	19	47
26	10	8.0	8.0	7.0	7.0	19	21	133	280	46	18	36
27	10	8.0	7.0	7.0	7.0	19	21	138	243	65	22	27
28	12	8.0	7.0	7.0	7.0	16	26	129	215	59	19	23
29	12	9.0	7.0	7.0	---	14	31	138	208	49	17	20
30	12	8.0	7.0	7.0	---	14	47	140	164	42	16	20
31	12	---	6.0	7.0	---	14	---	129	---	69	15	---
TOTAL	381.0	309.0	225.0	209.0	195.0	321.0	497	2926	5390	2241	978	521.1
MEAN	12.3	10.3	7.26	6.74	6.96	10.4	16.6	94.4	180	72.3	31.5	17.4
AC-FT	756	613	446	415	387	637	986	5800	10690	4450	1940	1030
MAX	21	17	10	7.0	7.0	19	47	208	332	167	74	47
MIN	6.1	8.0	6.0	6.0	6.0	6.0	10	27	99	36	15	7.1
CAL YR 1998 TOTAL	13164.4		MEAN	36.1	MAX	243	MIN	4.9	AC-FT	26110		
WTR YR 1999 TOTAL	14193.1		MEAN	38.9	MAX	332	MIN	6.0	AC-FT	28150		

MAX DISCH 401 CFS AT 0100 24-JUN-1999 GH 4.48 FT. SHIFT +0.08 FT. MAX GH 4.48 FT. AT 0100 24-JUN-1999

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



ROARING FORK RIVER BASIN

ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

**LOCATION.**--Lat 39°13'30", long 106°51'30", NW¼SW¼ sec. 35, T.9 S., R.85 W., Pitkin County, on left bank at Aspen Consolidated Sanitation Plant 0.5 mi east of Aspen Airport and 0.8 mi downstream from confluence of Maroon Creek.

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

**GAGE.**--Continuous water-stage recorder with satellite telemetry in 4'x6' concrete shelter. Control is a rock and cobble riffle(low flows)and boulders(high flows). Elevation of gage is 7560 ft from topographic map. Drop tape on inside of well with local datum of 16.56 ft.

**REMARKS.**--Record is complete and reliable except for the following days: February 27 and September 9 when, both the recorder and the satellite system malfunctioned. Stage-discharge relationship was affected by ice December 12, 16-22, 27-30, January 8-10, 15-24, 31, and February 1-2. Record is good except for periods of ice affected and/or estimated record which is fair to poor. Upstream transmountain diversions occurred through Twin Lakes Tunnel from April 28 through August 29 and through Hunter Tunnel for an undetermined period. Station maintained and records developed by George Wear.

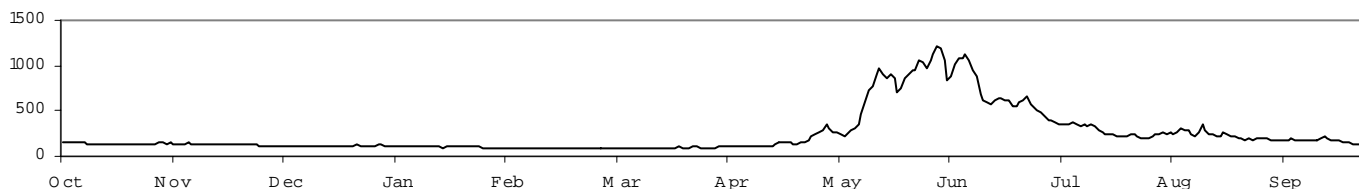
**RATING TABLE.**--ROABMCCO3 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	139	109	110	95	88	98	296	1130	492	223	201
2	154	140	117	112	95	85	105	356	1220	436	235	189
3	154	139	117	112	93	85	109	311	1200	405	245	183
4	157	140	115	113	92	87	116	264	1050	406	263	174
5	165	150	116	110	92	87	119	259	849	376	244	169
6	160	138	113	106	92	88	116	237	872	356	256	169
7	151	130	115	105	94	88	108	230	1010	353	253	177
8	143	132	113	104	93	89	106	239	1080	349	260	184
9	140	136	114	106	89	89	101	285	1080	351	300	194
10	140	133	114	110	94	89	108	313	1130	383	286	182
11	139	136	115	109	93	89	110	356	1060	346	285	172
12	140	127	117	117	91	88	102	462	956	338	248	171
13	139	124	114	102	91	87	104	593	879	348	229	170
14	139	133	112	102	92	86	102	734	690	328	273	179
15	137	140	114	97	89	86	101	771	614	350	351	173
16	138	129	108	104	89	84	108	913	585	323	284	168
17	141	125	110	104	89	88	117	974	570	282	253	196
18	139	135	113	104	91	86	133	914	616	259	236	221
19	132	129	117	104	90	86	150	868	630	251	224	195
20	132	126	117	104	89	89	162	910	629	246	219	184
21	132	126	119	104	91	96	146	859	613	241	254	175
22	132	126	122	104	89	100	149	698	609	231	242	166
23	134	124	115	104	90	99	135	741	545	224	224	161
24	141	122	120	104	89	99	134	860	551	219	210	156
25	139	121	110	102	90	99	144	901	605	224	199	148
26	138	120	113	95	86	100	160	956	616	236	194	142
27	140	120	113	93	90	101	187	942	653	246	186	139
28	147	119	129	93	87	94	216	1060	564	216	188	135
29	147	118	129	95	---	97	236	1040	553	200	183	134
30	141	117	117	99	---	94	259	964	514	193	190	140
31	144	---	108	93	---	94	---	1060	---	203	202	---
TOTAL	4436	3894	3575	3221	2545	2817	4041	20366	23673	9411	7439	5147
MEAN	143	130	115	104	91	91	135	657	789	304	240	172
AC-FT	8800	7720	7090	6390	5050	5590	8020	40400	46960	18670	14760	10210
MAX	165	150	129	117	95	101	259	1060	1220	492	351	221
MIN	132	117	108	93	86	84	98	230	514	193	183	134
CAL YR 2000	TOTAL	93120	MEAN	254	MAX	1810	MIN	99	AC-FT	184700		
WTR YR 2001	TOTAL	90565	MEAN	248	MAX	1220	MIN	84	AC-FT	179600		

MAX DISCH: 1500 CFS AT 00:30 ON Jun. 2, 2001 GH 4.85 FT. SHIFT 0 FT.  
MAX GH: 4.85 FT. AT 00:30 ON Jun. 2, 2001

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



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, (WY 2000), CO

**LOCATION.**--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, Hydrologic Unit 14010004 on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Frying Pan River and 4.6 mi west of Meredith.

**DRAINAGE AREA.**--12.3 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

**REMARKS.**--Record is complete and reliable except for suspect datum control October 1-7, beaver activity November 9-17 & 20-23, suspect datum control November 24-December 14, beaver activity July 31-August 2, and suspect datum control August 3-September 30. Frozen well conditions may have affected gage-height record at times from December 6-March 7, but experience at this station has shown that removal of well ice has had little affect on winter gage heights. Record is fair overall, with poor periods where there was suspect datum control and/or beaver activity. Station maintained by Judy Sappington and George Wear; records developed by George Wear. USBR staff monitors station on daily/weekly basis.

**RATING TABLE.**--RFCMERC001 USED FROM 01-OCT-1999 TO 30-SEP-2000

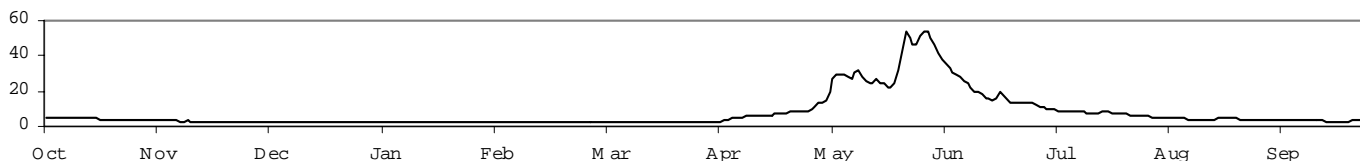
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	3.2	2.4	2.2	2.2	2.2	3	13	50	11	5.5	3.8
2	5	3.2	2.4	2.2	2.2	2.2	3	13	46	11	5	3.7
3	4.7	3.2	2.4	2.2	2.2	2.2	2.9	15	42	10	5.1	3.6
4	4.7	3.3	2.3	2.2	2.2	2.2	3	20	38	9.8	4.9	3.6
5	4.6	3.1	2.3	2.2	2.2	2.2	3.4	27	35	9.7	4.7	3.5
6	4.4	3.2	2.3	2.2	2.2	2.2	3.9	30	33	9.1	4.7	3.4
7	4.4	3	2.3	2.2	2.2	2.3	4.3	30	31	8.8	4.7	3.4
8	4.5	3	2.3	2.2	2.3	2.2	4.3	30	29	8.6	4.7	3.3
9	4.5	3.2	2.2	2.2	2.4	2.2	4.4	28	28	8.4	4.5	3.4
10	4.5	3	2.2	2.2	2.4	2.1	5.5	27	26	8.1	4.4	3.4
11	4.5	3	2.2	2.2	2.3	2.2	5.7	31	24	8.1	4.2	3.4
12	4.5	3	2.2	2.2	2.2	2.2	5.8	32	22	8.1	4	3.4
13	4.5	3	2.2	2.2	2.2	2.2	5.8	28	20	8	4	3.4
14	4.5	3	2.2	2.2	2.2	2.2	5.6	26	19	7.8	4	3.4
15	4.3	2.8	2.2	2.2	2.2	2.2	5.9	24	18	7.7	4	3.3
16	4	2.8	2.2	2.2	2.2	2.2	6.1	24	16	7.8	3.8	3.2
17	4	2.7	2.2	2.2	2.2	2.2	6.4	27	16	7.8	4	3.1
18	4	2.5	2.2	2.2	2.2	2.2	6.6	25	15	8.4	4	3
19	3.9	2.7	2.2	2.2	2.2	2.2	6.8	24	16	8.8	4.3	3
20	3.8	2.8	2.2	2.2	2.2	2.3	6.8	22	20	8.4	4.5	2.8
21	3.8	2.8	2.2	2.2	2.2	2.4	7	22	17	7.8	4.5	2.8
22	3.8	2.7	2.2	2.2	2.2	2.4	7.2	25	15	7.4	4.4	2.8
23	3.7	2.5	2.2	2.2	2.2	2.4	8.5	32	14	7.1	4.3	2.9
24	3.6	2.5	2.2	2.2	2.2	2.4	8.9	43	14	7.1	4.3	3
25	3.6	2.5	2.2	2.2	2.2	2.4	8.9	54	13	6.8	4.2	3.2
26	3.6	2.5	2.2	2.2	2.2	2.5	9	50	13	6.7	4	3.6
27	3.5	2.5	2.2	2.2	2.2	2.6	8.8	46	13	6.5	3.9	3.7
28	3.3	2.5	2.2	2.2	2.2	2.8	8.8	46	13	6.4	3.8	3.6
29	3.3	2.4	2.2	2.2	2.2	2.8	9.4	51	13	6.1	3.8	3.5
30	3.4	2.4	2.2	2.2	---	3	11	54	12	6	3.8	3.4
31	3.3	---	2.2	2.2	---	3	---	54	---	5.7	3.8	---
TOTAL	127.5	85	69.3	68.2	64.4	72.8	186.7	973	681	249	133.8	99.6
MEAN	4.1	2.8	2.2	2.2	2.2	2.4	6.2	31	23	8	4.3	3.3
AC-FT	253	169	137	135	128	144	370	1930	1350	494	265	198
MAX	5.3	3.3	2.4	2.2	2.4	3	11	54	50	11	5.5	3.8
MIN	3.3	2.4	2.2	2.2	2.2	2.1	2.9	13	12	5.7	3.8	2.8
CAL YR 1999	TOTAL	2835.2	MEAN	7.77	MAX	43	MIN	2.1	AC-FT	5620		
WTR YR 2000	TOTAL	2810.3	MEAN	7.68	MAX	54	MIN	2.1	AC-FT	5570		

MAX DISCH: 59.2 CFS AT 21:00 ON May. 30, 2000 GH 1.43 FT. SHIFT -0.01 FT.  
MAX GH: 1.43 FT. AT 21:00 ON May. 30, 2000

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

• CORRECTED COPY (REPLACES RECORD PUBLISHED IN WY 2000 BOOK)



09080300 ROCKY FORK CREEK NEAR MEREDITH, CO

**LOCATION.**--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, Hydrologic Unit 14010004 on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Frying Pan River and 4.6 mi west of Meredith.

**DRAINAGE AREA.**--12.3 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

**REMARKS.**--Record is complete and reliable except for beaver activity October 1-4 & 7-8, missing data October 13, beaver activity October 31- November 13, beaver activity November 19-28, frozen well December 1 - March 6, beaver activity March 22-23, beaver activity April 1-2, beaver activity August 4-6, 9, & 17-20, and beaver activity September 11, 14-16, & 18. Frozen well conditions affected gage-height record at times from December 1-March 6, but experience at this station has shown that removal of well ice has only affected winter gage heights by a small amount (i.e., less than 0.02 feet). Corrected gage heights were based on satellite data with shift and datum distribution, with chart record used to fill in missing data. Record is fair overall because of regular beaver activity in the control and minimal frozen well problems in the winter. Station maintained and records developed by George Wear.

**RATING TABLE.**--RFCMERC001 USED FROM 01-OCT-2000 TO 30-SEP-2001

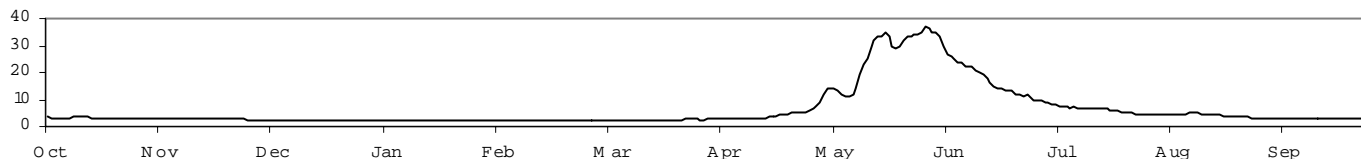
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	2.8	2.1	2	1.9	1.9	2.6	7.4	36	9.8	4.3	3.2
2	3.3	2.8	2.1	2	1.9	1.9	2.7	9	35	9.4	4.3	3.2
3	3.3	2.8	2.1	2	1.9	1.9	2.8	12	35	9.1	4.5	3.2
4	3.2	2.8	2.1	2	1.9	1.9	3.1	14	33	8.6	4.4	3.1
5	3.2	2.7	2.1	2	1.9	1.9	3.2	14	30	8.1	4.3	2.9
6	3.1	2.7	2.1	2	1.9	1.9	3.1	14	27	7.9	4.2	2.8
7	3.3	2.7	2.1	2	1.9	1.9	3	13	26	7.6	4.2	2.7
8	3.5	2.7	2.1	2	1.9	1.9	3	12	25	7.5	4.1	2.7
9	3.6	2.7	2.1	2	1.9	1.9	3	11	24	7.3	4.3	2.7
10	3.6	2.7	2.1	2	1.9	1.9	3	11	24	7	4.5	2.8
11	3.6	2.7	2.1	2	1.9	1.9	3	12	22	7.3	4.6	3
12	3.4	2.7	2.1	2	1.9	1.9	3	14	22	7	5	3
13	3	2.7	2.1	2	1.9	1.9	3	19	22	6.8	5.2	3.1
14	2.9	2.7	2.1	2	1.9	1.9	3.2	23	21	6.7	5.2	3.2
15	2.8	2.7	2.1	2	1.9	1.9	3.2	25	20	6.5	4.7	3.1
16	2.8	2.7	2.1	2	1.9	1.9	3.2	30	19	6.5	4.5	3
17	2.8	2.7	2.1	2	1.9	1.9	3.3	32	18	6.5	4.4	3
18	2.8	2.7	2.1	2	1.9	1.9	3.4	33	16	6.5	4.3	3
19	2.8	2.7	2.1	2	1.9	1.9	3.7	33	15	6.6	4.2	3
20	2.8	2.7	2.1	2	1.9	1.9	4	35	14	6.4	4.1	2.8
21	2.8	2.6	2.1	2	1.9	2	4.1	33	14	6.2	4	2.9
22	2.8	2.6	2.1	2	1.9	2.2	4.5	30	13	5.8	3.8	3
23	2.8	2.6	2.1	2	1.9	2.4	4.7	29	13	5.6	3.6	3
24	2.7	2.6	2.1	2	1.9	2.5	5	30	13	5.3	3.6	2.9
25	2.7	2.5	2.1	2	1.9	2.5	5.3	32	12	5	3.5	2.8
26	2.7	2.5	2.1	2	1.9	2.7	5.5	33	12	5	3.4	2.9
27	2.7	2.5	2.1	2	1.9	2.7	5.5	33	11	5	3.4	2.7
28	2.7	2.4	2.1	2	1.9	2.7	5.5	34	12	4.8	3.4	2.8
29	2.7	2.4	2.1	2	---	2.6	5.8	34	11	4.8	3.3	3
30	2.7	2.1	2.1	2	---	2.5	6.3	35	10	4.6	3.2	2.7
31	2.7	---	2.1	2	---	2.5	---	37	---	4.5	3.2	---
TOTAL	93.2	79.2	65.1	62	53.2	65.3	114.7	733.4	605	205.7	127.7	88.2
MEAN	3	2.6	2.1	2	1.9	2.1	3.8	23.7	20	6.6	4.1	2.9
AC-FT	185	157	129	123	106	130	228	1450	1200	408	253	175
MAX	3.6	2.8	2.1	2	1.9	2.7	6.3	37	36	9.8	5.2	3.2
MIN	2.7	2.1	2.1	2	1.9	1.9	2.6	7.4	10	4.5	3.2	2.7

CAL YR 2000 TOTAL 2766.0 MEAN 7.56 MAX 54 MIN 2.1 AC-FT 5490  
WTR YR 2001 TOTAL 2292.7 MEAN 6.28 MAX 37 MIN 1.9 AC-FT 4550

MAX DISCH: 44.4 CFS AT 20:00 ON May 30, 2001 GH 1.28 FT. SHIFT -0.02 FT.  
MAX GH: 1.28 FT. AT 20:00 ON May 30, 2001

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



09238500 WALTON CREEK NEAR STEAMBOAT SPRINGS, CO

**LOCATION**--Lat. 40°24'29", long. 106°47'11", (Steamboat Springs, Colorado, Quad., scale, 1:24,000), in SW1/4NW1/4 sec. 11, T5N, R84W, (projected), Routt County, on left bank 0.4 miles downstream from Beaver Creek, 0.6 miles downstream from Storm King Creek, 4.5 miles upstream from its confluence with the Yampa River, and 6.0 miles southeast of Steamboat Springs.

**DRAINAGE AREA**--42.4 sq mi (from topographic maps)

**PERIOD OF RECORD**--1920 to 1922, State Engineer's Office; re-established 0.2 mile upstream 1965 to 1973, by USGS; re-established 1978 to 1987 by USGS at same datum; re-established by the State Engineer's Office in October of 2000, at the same datum as the USGS.

**GAGE**--Stevens A-71 water stage recorder housed in a 6-ft X 42-inch corrugated metal shelter on a 6-ft X 42-inch metal well. Control is a concrete dam across stream. Altitude of gage is 7,050 ft (from topographic map).

**REMARKS**--The record is good except the following days which are poor due to the lack of definition of the high water rating: April 29, 30; May 1, 2, 9 - 31; June 1 - 14. Peak discharge was not determined. No estimate for the flows between Nov. 8, 2000-April 5, 2001 was made.

**RATING TABLE**--WLTNCK007 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

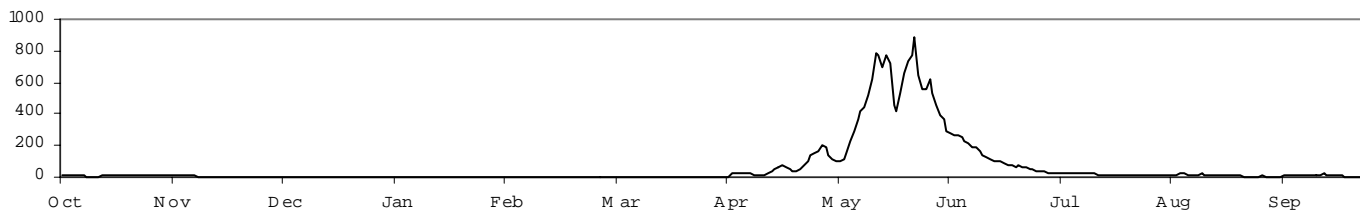
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	10	-	-	-	-	-	208	526	36	12	6.7
2	8.5	9.4	-	-	-	-	-	192	455	34	12	6.3
3	8.1	15	-	-	-	-	-	145	398	31	12	6
4	7.7	14	-	-	-	-	-	118	366	28	11	5.7
5	7.4	13	-	-	-	-	-	105	289	26	9.8	5.7
6	7.4	12	-	-	-	-	31	97	279	24	8.9	6
7	7	12	-	-	-	-	26	113	269	26	8.9	7
8	6.3	-	-	-	-	-	24	148	264	27	11	11
9	6	-	-	-	-	-	22	226	249	23	21	11
10	6.3	-	-	-	-	-	20	295	230	22	31	16
11	6.3	-	-	-	-	-	19	372	217	23	15	16
12	6.7	-	-	-	-	-	18	419	192	26	11	10
13	6.7	-	-	-	-	-	18	448	196	22	12	8.1
14	7.4	-	-	-	-	-	16	518	169	26	14	8.5
15	8.9	-	-	-	-	-	16	614	133	29	23	8.1
16	12	-	-	-	-	-	19	788	124	26	12	7.4
17	11	-	-	-	-	-	32	777	115	17	9.4	14
18	10	-	-	-	-	-	48	692	107	15	8.1	20
19	9.4	-	-	-	-	-	60	777	100	14	7.4	11
20	9.4	-	-	-	-	-	71	723	95	14	7.4	8.9
21	8.9	-	-	-	-	-	66	455	88	13	8.1	7.7
22	8.9	-	-	-	-	-	54	412	77	12	8.1	7
23	8.9	-	-	-	-	-	44	526	73	11	9.4	7
24	9.4	-	-	-	-	-	42	662	69	11	8.1	6.3
25	9.4	-	-	-	-	-	48	733	71	11	7.4	6.3
26	9.4	-	-	-	-	-	71	777	64	13	7	6.3
27	10	-	-	-	-	-	105	881	68	15	6.3	6
28	10	-	-	-	-	-	136	643	54	12	6	6
29	12	-	-	-	---	-	155	560	46	10	5.7	6
30	13	-	-	-	---	-	166	552	41	7.7	5.7	6
31	14	---	-	-	---	-	---	624	---	12	5.7	---
TOTAL	276.4	85.4	-	-	-	-	1327	14600	5424	616.7	334.4	258
MEAN	8.9	2.85	-	-	-	-	44.2	471	181	19.9	10.8	8.6
AC-FT	548	169	-	-	-	-	2630	28960	10760	1220	663	512
MAX	14	15	-	-	-	-	166	881	526	36	31	20
MIN	6	-	-	-	-	-	-	97	41	7.7	5.7	5.7

WTR YR 2001 TOTAL 22921.9 MEAN 62.8 MAX 881 MIN N/A AC-FT 45470

MAX DISCH: NOT DETERMINED

MAX GH: 2.72 FT. AT 18:00 ON May. 27, 2001

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



SAN JUAN RIVER BASIN

DOLORES TUNNEL OUTLET NEAR DOLORES, CO

LOCATION.--Lat 37°28'00", long 108°32'30", in SW¼SE¼ sec. 18, T. 37 N., R.15 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Sutron 8200 DCP in a concrete shelter and well at a 15 foot Parshall flume.

REMARKS.--Records good. Station maintained by the Dolores Conservancy District and records developed by Scott D. Brinton.

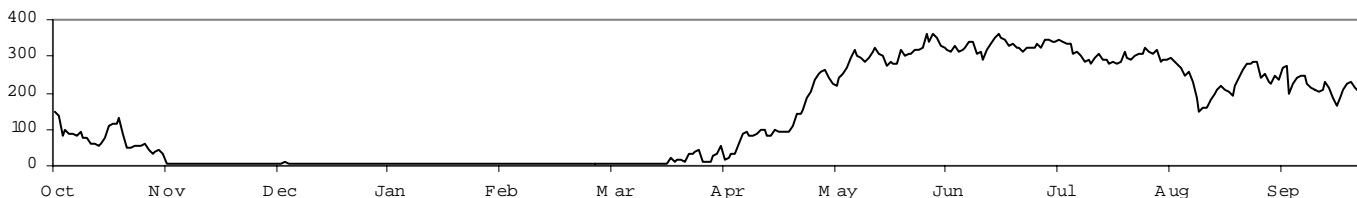
RATING TABLE.--DOLTUNCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	6.3	5.1	4.8	4.8	4.4	13	250	338	334	315	242
2	136	6.3	5.1	4.8	4.8	4.4	26	256	361	325	309	252
3	80	6.3	5.1	4.8	4.8	4.4	35	263	349	346	317	231
4	97	6.3	13	4.8	4.8	4.4	53	240	327	344	285	226
5	90	6.3	5.0	4.8	4.8	4.1	15	224	325	338	292	246
6	87	6.3	4.8	4.8	4.8	3.2	22	221	316	337	289	235
7	80	6.3	4.8	4.8	4.8	5.6	33	240	315	346	294	267
8	92	6.2	4.8	4.8	4.8	5.5	33	251	327	341	284	273
9	75	5.9	4.8	4.8	4.8	5.2	61	266	313	335	273	198
10	77	5.9	4.8	4.8	4.8	5.3	85	294	317	332	266	224
11	61	5.9	4.8	4.8	4.8	5.3	94	319	325	308	244	243
12	61	5.9	4.8	4.6	4.8	5.1	82	300	337	311	257	247
13	57	5.7	4.8	4.4	4.8	5.1	83	294	338	304	232	249
14	61	5.5	4.8	4.4	4.8	5.1	86	287	308	283	188	224
15	76	5.5	4.8	4.4	4.8	5.1	96	297	315	291	146	215
16	110	5.4	4.8	4.4	4.8	5.1	99	313	292	279	159	209
17	115	5.1	4.8	4.4	4.8	5.1	84	324	318	298	160	203
18	115	5.1	4.8	4.4	4.8	5.1	80	309	333	305	183	209
19	129	5.1	4.8	4.5	4.8	5.4	99	304	348	292	199	230
20	85	5.1	4.8	4.8	4.5	6.2	93	272	360	291	208	214
21	52	5.1	4.8	4.8	4.4	22	94	286	351	282	217	186
22	52	5.1	4.8	4.8	4.5	8.5	95	279	347	285	206	164
23	56	5.1	4.8	4.8	4.8	14	92	279	329	279	205	193
24	56	5.1	4.8	4.8	4.8	14	111	317	334	283	191	207
25	54	5.6	4.8	4.8	4.8	13	144	299	326	311	220	225
26	58	5.9	4.8	4.8	4.8	32	145	305	324	296	243	230
27	44	5.5	4.8	4.8	4.6	34	153	307	314	293	265	213
28	35	5.1	4.8	4.8	4.4	36	189	316	321	300	277	205
29	36	5.1	4.8	4.8	---	43	203	320	326	306	280	187
30	42	5.1	4.8	4.8	---	12	234	326	323	309	285	190
31	32	---	4.8	4.8	---	13	---	360	---	324	283	---
TOTAL	2349	169.1	158.1	145.9	132.8	340.6	2732	8918	9857	9608	7572	6637
MEAN	75.8	5.64	5.10	4.71	4.74	11.0	91.1	288	329	310	244	221
AC-FT	4660	335	314	289	263	676	5420	17690	19550	19060	15020	13160
MAX	148	6.3	13	4.8	4.8	43	234	360	361	346	317	273
MIN	32	5.1	4.8	4.4	4.4	3.2	13	221	292	279	146	164
CAL YR 2000	TOTAL	52224.0	MEAN	143	MAX	383	MIN	3.7	AC-FT	103600		
WTR YR 2001	TOTAL	48619.5	MEAN	133	MAX	361	MIN	3.2	AC-FT	96440		

MAX DISCH: 387 CFS AT 14:45 ON Jul. 3, 2001 GH 3.22 FT. SHIFT 0.06 FT.  
MAX GH: 3.22 FT. AT 14:45 ON Jul. 3, 2001

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





SAN JUAN RIVER BASIN

LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES, CO

LOCATION.--Lat 37°30'24", long 108°35'28", in NW¼SW¼ sec. 35, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Sutron 8200 DCP in a concrete shelter and well at a 12 foot Parshall flume.

REMARKS.--Records good. Station maintained by the Dolores Conservancy District and records developed by Scott D. Brinton.

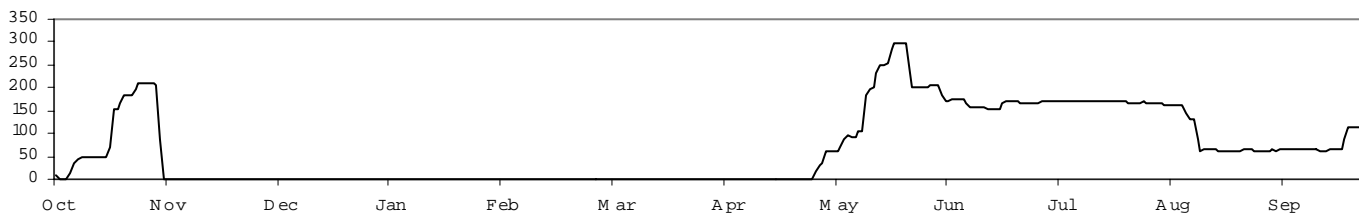
RATING TABLE.--MVIDIVCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	.00	.00	.00	.00	.00	.00	30	204	168	167	63
2	.00	.00	.00	.00	.00	.00	.00	33	204	172	166	62
3	.00	.00	.00	.00	.00	.00	.00	61	206	171	165	63
4	.00	.00	.00	.00	.00	.00	.00	62	184	172	165	64
5	14	.00	.00	.00	.00	.00	.00	62	171	171	164	63
6	33	.00	.00	.00	.00	.00	.00	61	172	171	162	65
7	44	.00	.00	.00	.00	.00	.00	71	174	171	161	65
8	46	.00	.00	.00	.00	.00	.00	87	173	172	160	65
9	48	.00	.00	.00	.00	.00	.00	96	175	172	160	65
10	48	.00	.00	.00	.00	.00	.00	94	173	170	160	65
11	48	.00	.00	.00	.00	.00	.00	94	167	170	143	65
12	48	.00	.00	.00	.00	.00	.00	103	158	171	133	65
13	48	.00	.00	.00	.00	.00	.00	104	157	171	132	64
14	48	.00	.00	.00	.00	.00	.00	182	157	171	89	64
15	48	.00	.00	.00	.00	.00	.00	199	157	172	63	64
16	69	.00	.00	.00	.00	.00	.00	200	156	172	64	64
17	155	.00	.00	.00	.00	.00	.00	231	155	171	64	63
18	155	.00	.00	.00	.00	.00	.00	248	155	171	64	63
19	168	.00	.00	.00	.00	.00	.00	251	154	171	64	63
20	182	.17	.00	.00	.00	.00	.00	254	155	171	63	64
21	182	.00	.00	.00	.00	.00	.00	284	166	171	63	67
22	182	.00	.00	.00	.00	.00	.00	299	170	171	63	67
23	198	.00	.00	.00	.00	.00	.00	297	169	170	63	67
24	211	.00	.00	.00	.00	.00	.00	296	170	170	63	88
25	209	.00	.00	.00	.00	.00	.00	297	170	169	63	112
26	208	.00	.00	.00	.00	.00	.00	230	168	167	63	115
27	208	.00	.00	.00	.00	.00	.00	200	168	167	64	113
28	208	.00	.00	.00	.00	.00	.00	201	168	166	64	113
29	207	.00	.00	.00	---	.00	.00	202	168	168	64	112
30	89	.00	.00	.00	---	.00	17	202	167	169	63	112
31	.00	---	.00	.00	---	.00	---	203	---	167	63	---
TOTAL	3114.00	.17	.00	.00	.00	.00	17	5234	5091	5276	3205	2245
MEAN	100	.006	.00	.00	.00	.00	.57	169	170	170	103	74.8
AC-FT	6180	.3	.00	.00	.00	.00	34	10380	10100	10460	6360	4450
MAX	211	.17	.00	.00	.00	.00	17	299	206	172	167	115
MIN	.00	.00	.00	.00	.00	.00	.00	30	154	166	63	62
CAL YR 2000	TOTAL	25758.17	MEAN	70.4	MAX	213	MIN	.00	AC-FT	51090		
WTR YR 2001	TOTAL	24182.17	MEAN	66.3	MAX	299	MIN	.00	AC-FT	47970		

MAX DISCH: 303 CFS AT 04:00 ON May. 22, 2001 GH 3.21 FT. SHIFT 0.00 FT.  
MAX GH: 3.21 FT. AT 04:00 ON May. 22, 2001

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



DOLORES RIVER BASIN

DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES, CO

LOCATION.--Lat 37°34'33", long 108°34'33", in SE¼SE¼ sec. 2, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--550 mi².

GAGE.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a concrete shelter and well. Control is an 15-ft. Parshall flume set in a flat concrete structure that acts as a weir at high flows. Datum of gauge is 6,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Diversions for irrigation of up to 47,000 acres upstream of gage in the Dolores River basin and diversions for irrigation of up to 4700 acres in the San Juan River Basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-feet. Station maintained and records developed by Scott D. Brinton.

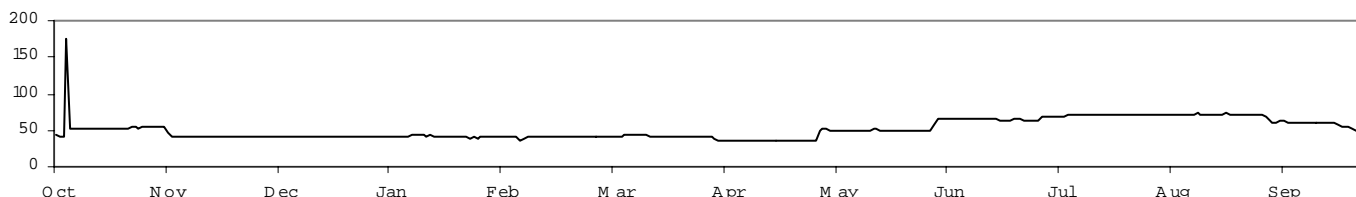
RATING TABLE.--DOLBMCCO03 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	47	41	42	41	42	40	49	49	64	72	70
2	42	41	41	42	41	42	37	52	58	68	72	69
3	42	41	41	42	41	42	36	51	67	69	71	64
4	174	41	41	42	41	41	35	50	66	69	71	61
5	53	41	41	42	41	42	35	50	66	69	71	61
6	53	41	41	42	41	42	35	50	66	69	71	62
7	53	41	41	42	36	42	35	50	66	69	71	62
8	53	41	41	43	39	43	35	50	66	69	71	61
9	53	42	41	43	40	44	35	50	67	70	71	61
10	53	41	41	43	40	44	36	50	67	70	71	61
11	53	41	41	43	40	43	36	50	67	70	71	61
12	53	41	41	42	40	43	35	50	66	71	70	61
13	52	41	41	43	41	43	35	50	66	71	71	61
14	52	41	41	42	41	43	35	50	65	71	75	61
15	52	41	41	42	42	41	35	50	65	71	71	61
16	52	41	41	42	42	40	35	51	65	71	71	61
17	52	41	41	42	42	40	35	51	65	72	71	61
18	52	41	41	41	42	40	35	50	65	72	71	60
19	53	41	42	41	41	40	35	49	65	71	71	60
20	53	41	42	41	40	40	35	49	64	71	71	60
21	53	41	42	41	41	40	35	50	64	71	71	60
22	54	41	42	40	42	40	35	50	64	71	75	57
23	54	41	42	40	42	40	35	49	64	71	71	55
24	53	41	42	39	42	40	35	50	65	71	71	55
25	54	41	42	40	42	40	35	50	65	70	71	55
26	54	41	42	39	42	40	35	49	65	71	70	51
27	54	41	42	40	42	40	35	49	64	71	70	50
28	54	41	42	40	42	40	35	49	64	71	70	51
29	54	41	42	41	---	40	35	49	64	71	70	50
30	54	41	42	41	---	40	35	49	64	71	70	50
31	54	---	42	41	---	40	---	49	---	71	70	---
TOTAL	1737	1237	1284	1284	1147	1277	1060	1545	1934	2177	2204	1773
MEAN	56.0	41.2	41.4	41.4	41.0	41.2	35.3	49.8	64.5	70.2	71.1	59.1
AC-FT	3450	2450	2550	2550	2280	2530	2100	3060	3840	4320	4370	3520
MAX	174	47	42	43	42	44	40	52	67	72	75	70
MIN	42	41	41	39	36	40	35	49	49	64	70	50
CAL YR 2000	TOTAL	55582	MEAN	152	MAX	1230	MIN	40	AC-FT	110200		
WTR YR 2001	TOTAL	18659	MEAN	51.1	MAX	174	MIN	35	AC-FT	37010		

MAX DISCH: 460 CFS AT 10:00 ON Oct. 4, 2000 GH 3.58 FT. SHIFT -0.07 FT.  
MAX GH: 3.58 FT. AT 10:00 ON Oct. 4, 2000

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



SAN JUAN RIVER BASIN

BLANCO DIVERSION NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°12'13", long 106°48'35", in NW¼NE¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with a Sutron 8200 DCP on separate floats in a concrete shelter and well at a 12 foot Parshall flume.

REMARKS.--Record good. Station maintained by the U.S.B.R. and records developed by Scott D. Brinton.

RATING TABLE.--BLADIVCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

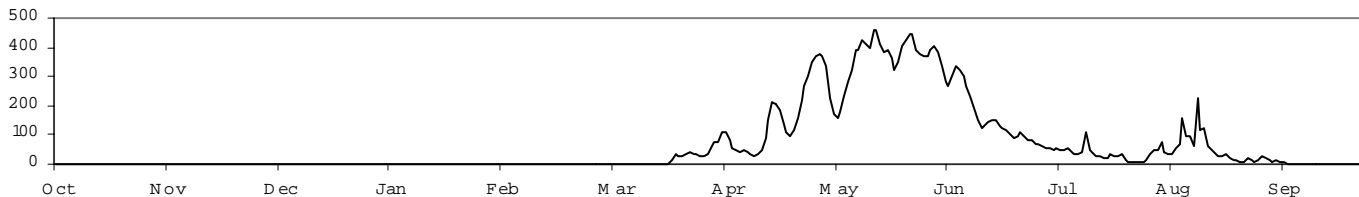
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	59	374	387	67	35	25
2	.00	.00	.00	.00	.00	.00	75	372	402	65	51	20
3	.00	.00	.00	.00	.00	.00	78	333	385	58	47	15
4	.10	.00	.00	.00	.00	.00	110	229	333	56	78	8.1
5	.10	.00	.00	.00	.00	.00	110	173	279	49	39	12
6	.00	.00	.00	.00	.00	.00	84	156	265	54	37	6.7
7	.00	.00	.00	.00	.00	.00	58	176	303	51	35	3.8
8	.00	.00	.00	.00	.00	.00	45	232	337	48	52	2.3
9	.00	.00	.00	.00	.00	.00	41	278	322	58	67	.78
10	.00	.00	.00	.00	.00	.00	47	323	298	44	156	.07
11	.58	.00	.00	.00	.00	.00	38	387	265	37	94	.79
12	.83	.00	.00	.00	.00	.00	31	392	232	34	98	.41
13	.02	.00	.00	.00	.00	.00	29	423	194	39	63	.18
14	.00	.00	.00	.00	.00	.00	36	408	148	107	226	2.8
15	.00	.00	.00	.00	.00	.00	51	394	123	49	118	3.0
16	.00	.00	.00	.00	.00	.00	92	459	132	38	123	2.2
17	.00	.00	.00	.00	.00	.00	154	456	145	29	64	3.0
18	.00	.00	.00	.00	.00	.00	213	413	150	25	47	2.4
19	.00	.00	.00	.00	.00	.00	203	381	148	22	35	.55
20	.00	.00	.00	.00	.00	.00	183	392	133	19	28	.00
21	.00	.00	.00	.00	.00	16	138	366	121	33	25	.00
22	.00	.00	.00	.00	.00	35	112	320	114	26	31	.00
23	.00	.00	.00	.00	.00	28	95	350	102	24	21	.00
24	.00	.00	.00	.00	.00	25	114	404	91	31	15	.00
25	.00	.00	.00	.00	.00	33	160	428	93	16	12	.00
26	.08	.00	.00	.00	.00	41	218	446	113	10	8.9	.00
27	.08	.00	.00	.00	.00	36	264	442	99	8.2	7.0	.00
28	.88	.00	.00	.00	.00	31	303	392	84	6.2	18	.00
29	.71	.00	.00	.00	---	25	347	378	80	4.5	14	.00
30	.07	.00	.00	.00	---	25	368	368	68	3.9	8.5	.00
31	.02	---	.00	.00	---	36	---	372	---	13	16	---
TOTAL	3.47	.00	.00	.00	.00	331.00	3856	11017	5946	1124.8	1669.4	109.08
MEAN	.11	.00	.00	.00	.00	10.7	129	355	198	36.3	53.9	3.64
AC-FT	6.9	.00	.00	.00	.00	657	7650	21850	11790	2230	3310	216
MAX	.88	.00	.00	.00	.00	41	368	459	402	107	226	25
MIN	.00	.00	.00	.00	.00	.00	29	156	68	3.9	7.0	.00

CAL YR 2000 TOTAL 10201.19 MEAN 27.9 MAX 271 MIN .00 AC-FT 20230  
WTR YR 2001 TOTAL 24056.75 MEAN 65.9 MAX 459 MIN .00 AC-FT 47720

MAX DISCH: 562 CFS AT 08:15 ON May 14, 2001 GH 4.73 FT. SHIFT .00 FT.  
MAX GH: 4.73 FT. AT 08:15 ON May 14, 2001

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



SAN JUAN RIVER BASIN

09343300 RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS, CO

**LOCATION.**--Lat 37°12'13", long 106°48'42", in NW¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank 250 ft downstream from Blanco Diversion Dam, 1.1 mi downstream from Leche Creek, and 12 mi southeast of Pagosa Springs.

**DRAINAGE AREA AND PERIOD OF RECORD.**--69.1 mi<sup>2</sup>. March 1971 to current year.

**GAGE.**--Graphic water-stage recorder with a Sutron 8200 DCP on separate floats in a concrete shelter and well. Control is an 4-ft. Parshall flume set in a flat wide concrete structure that acts as a weir at high flows. The Parshall flume is equipped with a supplemental outside gage. The DCP is the primary record. Datum of gage is 7,858.04 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Bureau of Reclamation).

**REMARKS.**--Records good except for estimated daily discharges, which are poor, and those discharges greater than 65 cfs, which are fair. Flows controlled by diversion dam upstream of gage for the Blanco Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Station maintained and record developed by David A. Nelson and Scott D. Brinton.

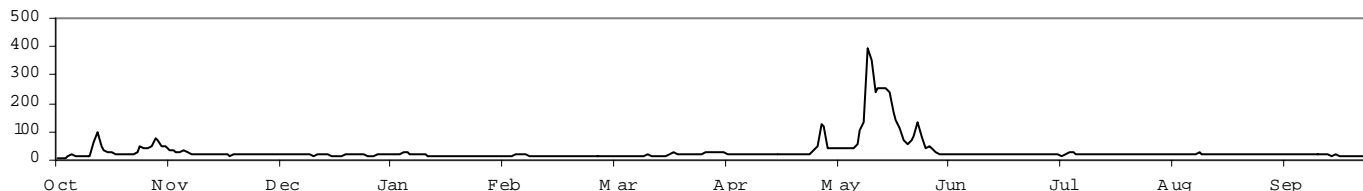
**RATING TABLE.**--RIOBLACO06 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	37	e22	19	13	14	26	e130	40	22	22	21
2	9.0	33	e22	20	14	e14	26	e120	29	22	21	20
3	8.7	31	e22	20	15	e14	25	41	24	22	21	20
4	15	30	e20	23	16	e14	25	43	22	23	18	21
5	20	32	e20	27	20	e14	23	43	22	23	18	22
6	13	e28	e20	28	21	15	22	43	22	20	21	22
7	11	e24	e20	e24	19	15	22	44	21	16	22	21
8	12	e22	20	e22	18	15	21	43	22	18	21	21
9	15	e22	21	20	17	16	22	44	22	27	20	21
10	16	22	20	22	e14	17	22	44	22	26	21	21
11	66	22	e17	18	16	16	22	58	23	23	21	19
12	96	22	e20	17	e16	15	22	103	23	23	21	18
13	52	e20	20	e16	e15	e15	21	135	23	23	22	18
14	33	e20	19	e16	15	20	22	396	23	23	27	19
15	28	22	e18	16	e14	e16	22	351	23	23	22	19
16	26	e20	e16	16	e14	e17	22	240	23	22	22	18
17	23	e18	e16	e15	e14	17	22	256	23	23	22	18
18	23	e16	14	e13	e14	e17	22	254	23	22	22	19
19	22	e18	16	e13	e14	e17	22	256	23	22	22	20
20	19	e18	19	e13	e14	23	22	236	22	22	22	16
21	18	e20	19	e13	14	28	21	167	22	22	22	18
22	18	e20	21	e14	e14	23	21	142	22	22	22	17
23	25	21	20	e14	14	23	22	115	22	21	21	17
24	48	e20	19	e14	14	23	23	70	23	22	21	16
25	41	20	20	e14	e14	23	23	58	22	21	20	16
26	42	e20	17	14	e14	24	22	68	22	22	22	15
27	46	e20	e16	15	14	24	22	81	21	22	22	14
28	80	e22	e16	15	14	24	21	132	21	22	22	14
29	68	e22	19	15	---	24	37	87	21	22	21	14
30	52	e22	19	14	---	25	48	43	22	21	21	14
31	48	---	19	12	---	26	---	46	---	22	21	---
TOTAL	1003.4	684	587	532	425	588	713	3889	691	684	663	549
MEAN	32.4	22.8	18.9	17.2	15.2	19	23.8	125	23.0	22.1	21.4	18.3
AC-FT	1990	1360	1160	1060	843	1170	1410	7710	1370	1360	1320	1090
MAX	96	37	22	28	21	28	48	396	40	27	27	22
MIN	8.7	16	14	12	13	14	21	41	21	16	18	14
CAL YR 2000	TOTAL	7540.0	MEAN	20.6	MAX	96	MIN	7.0	AC-FT	14960		
WTR YR 2001	TOTAL	11008.4	MEAN	30.2	MAX	396	MIN	8.7	AC-FT	21840		

MAX DISCH: 960 CFS AT 08:00 ON May. 14, 2001 GH 4.25 FT. SHIFT 0.09 FT.  
MAX GH: 4.25 FT. AT 08:00 ON May. 14, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e--Estimated



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a 42 inch CMP shelter and well. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station maintained by Val Valentine and records developed by Scott D. Brinton.

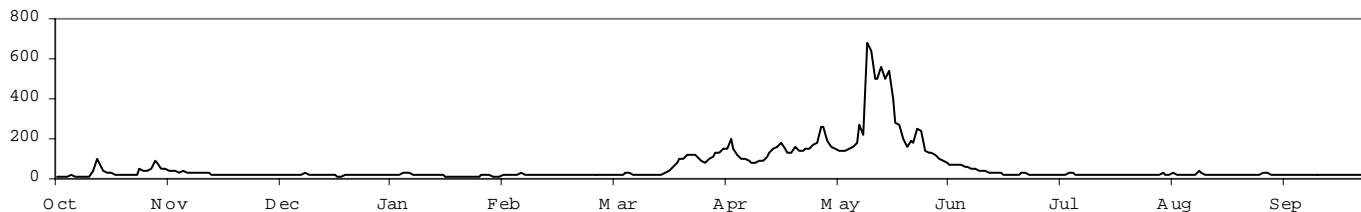
RATING TABLE.--RIOMOUCO03 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	43	e24	e20	e14	e18	111	e260	130	24	20	29
2	8.1	38	e24	e22	e16	e18	133	e260	118	23	19	28
3	7.2	36	e24	e22	e16	e18	135	189	104	23	23	24
4	8.5	33	e24	e24	e18	e18	146	158	91	25	31	22
5	19	38	e24	e26	e22	e20	148	146	81	23	18	25
6	14	33	e24	e28	e24	e22	199	144	75	24	20	23
7	12	30	e24	e26	e26	e24	148	145	72	18	27	23
8	11	29	e24	e24	e22	e26	120	144	69	17	21	22
9	14	27	e26	e22	e18	e28	97	152	68	29	23	22
10	14	28	e24	e24	e18	e24	103	157	65	28	22	23
11	36	28	e20	e20	e20	e22	93	177	58	25	25	21
12	101	29	e22	e20	e18	e24	84	267	51	21	22	19
13	65	22	e22	e18	e18	e24	79	216	47	21	21	20
14	37	e22	e22	e16	e18	e24	91	e680	45	24	38	24
15	30	e24	e20	e16	e16	e20	94	e640	41	23	34	22
16	28	e20	e18	e16	e16	e22	114	e500	37	22	25	21
17	24	e18	e16	e14	e18	e22	135	e500	35	21	25	21
18	23	e16	e12	e12	e18	e24	155	e560	34	21	24	23
19	23	e18	e14	e10	e18	e26	162	e500	29	20	22	20
20	21	e20	e16	e12	e18	e40	176	e540	26	20	22	19
21	19	e22	e18	e12	e18	e60	150	e400	25	19	23	18
22	19	e24	e20	e14	e20	e80	133	284	25	20	25	18
23	23	e24	e20	e14	e20	100	129	266	24	20	25	18
24	49	e22	e20	e14	e18	101	156	205	24	20	23	18
25	45	e22	e20	e14	e18	122	143	163	24	19	21	19
26	41	e22	e18	e14	e18	125	144	189	26	20	22	17
27	48	e22	e16	e16	e20	119	151	178	26	19	22	17
28	89	e24	e18	e16	e18	106	154	255	24	19	24	16
29	84	e24	e20	e16	---	90	173	238	22	18	25	16
30	55	e24	e20	e14	---	85	e180	140	24	19	23	16
31	53	---	e20	e12	---	97	---	134	---	21	25	---
TOTAL	1029.0	782	634	548	524	1549	4036	8787	1520	666	740	624
MEAN	33.2	26.1	20.5	17.7	18.7	50	135	283	50.7	21.5	23.9	20.8
AC-FT	2040	1550	1260	1090	1040	3070	8010	17430	3010	1320	1470	1240
MAX	101	43	26	28	26	125	199	680	130	29	38	29
MIN	7.2	16	12	10	14	18	79	134	22	17	18	16
CAL YR 2000	TOTAL	10723.2	MEAN	29.3	MAX	111	MIN	6.2	AC-FT	21270		
WTR YR 2001	TOTAL	21439.0	MEAN	58.7	MAX	680	MIN	7.2	AC-FT	42520		

MAX DISCH: 1040 CFS AT 04:15 ON May. 14, 2001 GH 4.05 FT. SHIFT -0.02 FT.  
MAX GH: 4.05 FT. AT 04:15 ON May. 14, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



SAN JUAN RIVER BASIN

09344000 NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO, CO

**LOCATION.**--Lat 37°05'07", long 106°41'20", in SE¼NW¼ sec. 24, T.33 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on right 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.**--Graphic water-stage recorder with a Sutron 8200 DCP on separate floats in a 42-inch wooden shelter and well. The DCP is the primary record. Datum of gage is 7,939.3 ft above National Geodetic Vertical Datum of 1929 (river-profile survey). Also equipped with an air temperature sensor.

**REMARKS.**--Records fair except for estimated daily discharges which are poor. Station maintained and records developed by David A. Nelson and Scott D. Brinton.

**RATING TABLE.**--NAVBANCO23 USED FROM 01-OCT-2000 TO 11-OCT-2001

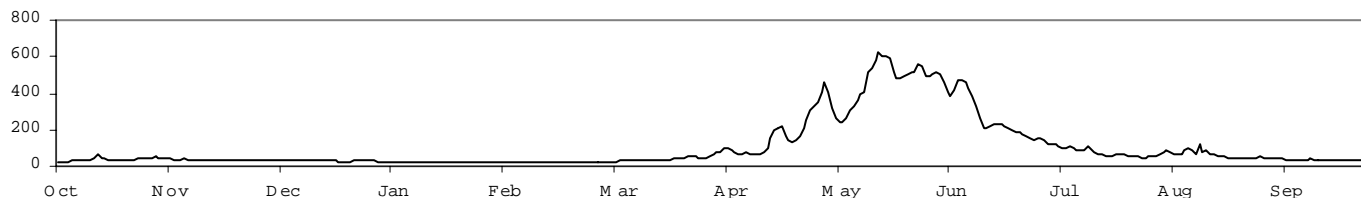
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e21	39	e34	e26	e18	27	63	401	501	154	57	48
2	e20	38	35	e26	e20	e27	76	460	511	140	58	44
3	e19	38	e34	e26	e22	e27	82	403	507	123	66	42
4	e24	38	e34	e26	e24	e27	101	316	461	125	73	40
5	e28	39	e34	e26	e24	e27	95	265	405	116	84	40
6	32	34	e34	e26	e24	29	87	237	388	113	81	39
7	31	e34	e34	e24	e26	28	74	238	413	104	66	38
8	31	e34	34	e24	26	28	69	263	468	100	67	38
9	31	34	34	e24	26	28	68	307	472	106	69	37
10	35	35	33	26	e26	28	72	326	464	100	93	36
11	49	35	e32	e24	26	28	65	360	423	89	96	34
12	70	34	31	e26	e26	28	63	395	382	86	85	34
13	44	e32	32	e24	e26	28	62	404	331	87	69	34
14	39	e32	33	e24	25	29	66	513	261	114	121	41
15	37	e34	33	e24	e26	e28	77	540	213	89	82	37
16	36	e32	e30	e24	e24	e30	102	584	209	78	86	35
17	35	e30	e30	e22	e26	e32	157	627	221	71	71	35
18	35	e32	e26	e20	27	e32	197	608	230	64	62	34
19	34	e32	e26	e20	e26	e34	205	601	233	57	56	33
20	34	e32	e26	e22	e26	38	223	593	226	52	53	33
21	34	e34	e26	e20	26	44	169	513	218	58	51	32
22	35	e34	e28	e24	e26	49	144	480	213	65	49	33
23	40	e36	e28	25	27	46	133	480	201	62	49	33
24	46	e34	e28	e22	27	45	143	492	187	64	46	33
25	42	e36	28	e22	e26	50	168	502	181	56	43	33
26	40	e34	28	e20	e26	52	203	517	171	57	43	33
27	40	e36	e28	23	27	50	251	516	159	54	43	33
28	60	e36	e28	23	27	49	303	560	153	51	46	32
29	48	e36	e26	23	---	47	334	546	147	49	47	32
30	42	35	e26	22	---	48	347	498	149	48	46	33
31	41	---	e26	e20	---	53	---	493	---	54	52	---
TOTAL	1153	1039	939	728	706	1116	4199	14038	9098	2586	2010	1079
MEAN	37.2	34.6	30.3	23.5	25.2	36	140	453	303	83.4	64.8	36
AC-FT	2290	2060	1860	1440	1400	2210	8330	27840	18050	5130	3990	2140
MAX	70	39	35	26	27	53	347	627	511	154	121	48
MIN	19	30	26	20	18	27	62	237	147	48	43	32

CAL YR	2000	TOTAL	22372	MEAN	61.1	MAX	331	MIN	19	AC-FT	44370
WTR YR	2001	TOTAL	38691	MEAN	106	MAX	627	MIN	18	AC-FT	76740

MAX DISCH: 698 CFS AT 20:45 ON May. 17, 2001 GH 3.46 FT. SHIFT 0.10 FT.  
MAX GH: 3.46 FT. AT 20:45 ON May. 17, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



SAN JUAN RIVER BASIN

OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°01'49", long 106°44'14", in NE¼NE¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a concrete shelter and well at a 15 foot Parshall flume.

REMARKS.--Record good. Station maintained by the U.S.B.R. and record developed by Scott D. Brinton.

RATING TABLE.--OSODIVCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

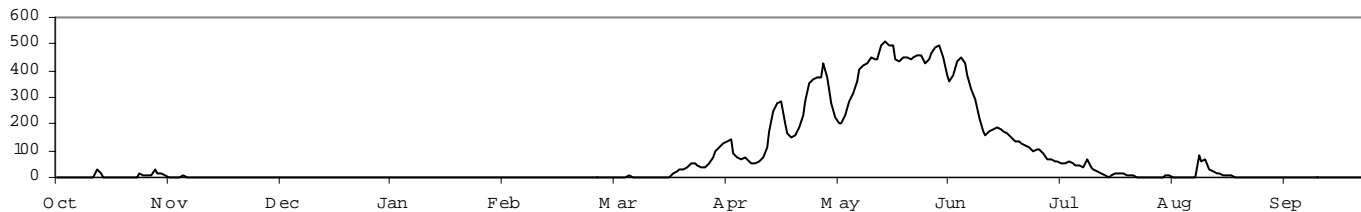
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	1.0	1.1	1.2	1.2	1.2	76	377	465	102	.00	.00
2	.00	1.0	1.2	1.2	1.2	1.1	101	427	484	93	.00	.00
3	.00	1.0	1.2	1.2	1.2	1.0	110	375	492	71	.00	.00
4	.00	2.0	1.2	1.2	1.2	1.0	127	274	450	70	.00	.00
5	.00	5.5	1.2	1.2	1.2	1.0	133	222	383	58	8.3	.00
6	.00	1.1	1.2	1.2	1.2	1.0	145	201	362	57	11	.00
7	.00	1.0	1.1	1.2	1.2	1.0	93	206	386	50	.00	.00
8	.00	1.0	1.0	1.2	1.2	1.0	74	235	434	51	.00	.00
9	.00	1.0	1.0	1.2	1.2	11	68	285	449	58	.00	.00
10	.00	1.0	1.0	1.2	1.2	1.0	76	315	425	55	.00	.00
11	.00	1.0	1.1	1.2	1.2	1.0	62	361	379	45	.00	.00
12	31	.83	1.0	1.2	1.2	1.0	53	408	332	43	.00	.00
13	12	.82	1.1	1.2	1.2	1.0	52	417	291	39	.00	.00
14	3.1	.82	1.2	1.2	1.2	1.0	60	428	226	68	81	.00
15	1.0	.87	1.3	1.2	1.2	1.0	75	447	174	41	57	.00
16	.00	.82	1.4	1.2	1.2	1.0	112	442	161	29	65	.00
17	.00	.82	1.4	1.2	1.2	1.0	170	446	171	23	33	.00
18	.00	.82	1.4	1.2	1.2	1.0	245	495	181	14	23	.00
19	.00	.82	1.4	1.2	1.2	1.0	277	513	186	8.5	16	.00
20	.00	.82	1.4	1.2	1.2	1.0	283	497	180	3.6	12	.00
21	.00	.82	1.3	1.2	1.2	13	205	495	169	4.2	11	.00
22	.00	.82	1.2	1.2	1.2	25	165	440	166	13	9.6	.00
23	2.2	.87	1.2	1.2	1.2	32	148	436	152	12	6.7	.00
24	15	.82	1.2	1.2	1.2	31	159	449	137	14	2.1	.00
25	8.2	.82	1.3	1.4	1.2	41	189	450	134	6.0	.82	.00
26	5.2	.82	1.2	1.3	1.2	51	233	445	131	5.8	.82	.00
27	5.0	.82	1.2	1.2	1.2	51	283	450	119	4.4	.82	.00
28	30	.89	1.2	1.3	1.2	45	352	454	110	1.9	.44	.00
29	18	.82	1.2	1.4	---	40	368	460	99	.00	.00	.00
30	18	.85	1.2	1.4	---	41	378	426	102	.00	.00	.00
31	10	---	1.2	1.3	---	54	---	440	---	.88	.00	---
TOTAL	158.7	32.39	37.3	38.1	33.6	454.3	4872	12316	7930	1041.28	338.6	.00
MEAN	5.12	1.08	1.2	1.23	1.2	14.7	162	397	264	33.6	10.9	.00
AC-FT	315	64	74	76	67	901	9660	24430	15730	2070	672	.00
MAX	31	5.5	1.4	1.4	1.2	54	378	513	492	102	81	.00
MIN	.00	.82	1.0	1.2	1.2	1.0	52	201	99	.00	.00	.00

CAL YR 2000	TOTAL	9875.47	MEAN	27.0	MAX	295	MIN	.00	AC-FT	19590
WTR YR 2001	TOTAL	27252.27	MEAN	74.7	MAX	513	MIN	.00	AC-FT	54050

MAX DISCH: 583 CFS AT 05:15 ON May 20, 2001 GH 4.24 FT. SHIFT .00 FT.  
MAX GH: 4.24 FT. AT 05:15 ON May 20, 2001

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



SAN JUAN RIVER BASIN

09344400 NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO, CO

**LOCATION.**--Lat 37°01'49", long 106°44'14", in NE¼NW¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank 600 ft downstream from Oso Diversion Dam, 5.8 mi east of Chromo, and 6.1 mi upstream from Little Navajo River.

**DRAINAGE AREA AND PERIOD OF RECORD.**--100.5 mi<sup>2</sup>. March 1971 to current year.

**GAGE.**--Graphic water-stage recorder with a Sutron 8200 DCP on separate floats in a concrete shelter and well. Control is an 8-ft. Parshall flume set in a flat wide concrete structure that acts as a weir at high flows. The Parshall flume is equipped with a supplemental outside gage. The DCP is the primary record. Datum of gage is 7,665.30 ft above mean sea level.

**REMARKS.**--Records good except for estimated daily discharges, which are poor, and those periods of flow above 140 cfs, which are fair. Records developed by Scott D. Brinton.

**RATING TABLE.**--NAVOSOCO3 USED FROM 01-OCT-2000 TO 11-OCT-2001

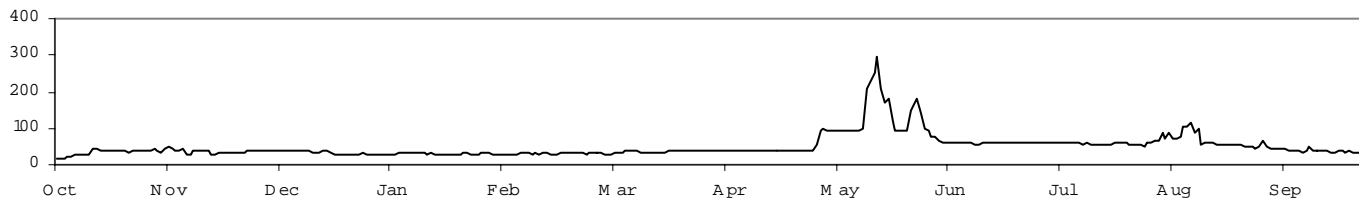
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	48	38	e29	e26	32	40	94	75	59	61	64
2	17	42	37	30	e27	30	40	97	78	63	65	49
3	17	41	37	e30	e28	30	40	94	64	62	65	46
4	20	41	36	31	e29	30	40	91	58	59	88	45
5	24	42	37	32	e29	32	40	91	58	58	69	44
6	25	29	37	33	e30	32	40	92	59	58	88	43
7	26	26	37	e32	34	33	39	92	59	58	71	42
8	26	38	38	e32	33	37	38	91	61	58	73	40
9	27	38	38	e32	31	41	39	91	61	58	74	40
10	28	39	37	33	30	38	38	91	61	58	103	39
11	43	41	32	e32	32	36	38	93	61	58	106	36
12	44	37	34	e30	30	35	38	93	58	58	114	35
13	40	28	35	31	31	34	38	e100	57	57	85	36
14	40	30	36	e30	31	35	39	e210	57	58	100	47
15	40	34	36	e30	29	32	39	e230	58	57	56	41
16	39	31	31	e30	30	32	40	e250	61	57	58	37
17	38	e32	30	e29	30	35	40	294	61	56	58	37
18	37	33	e28	e28	32	34	40	e210	60	56	58	37
19	36	31	e26	e28	31	34	40	e170	58	55	57	36
20	36	32	27	e29	31	38	40	e180	58	56	56	35
21	35	32	27	e30	31	41	39	e120	58	57	57	35
22	36	35	28	e32	31	40	39	92	59	58	57	36
23	37	38	29	33	32	41	38	92	59	58	57	36
24	41	36	29	e30	31	40	39	92	58	58	57	35
25	41	38	31	29	29	39	39	93	59	58	55	36
26	41	37	30	e28	31	40	40	146	59	57	53	33
27	41	38	e30	32	33	40	40	e160	58	57	52	34
28	42	38	30	31	33	40	41	e180	59	56	50	33
29	41	38	30	31	---	40	39	e140	59	53	48	33
30	32	39	30	e30	---	39	55	99	59	52	45	33
31	45	---	e29	e30	---	39	---	92	---	61	50	---
TOTAL	1054	1082	1010	947	855	1119	1195	4060	1810	1784	2086	1173
MEAN	34	36.1	32.6	30.5	30.5	36.1	39.8	131	60.3	57.5	67.3	39.1
AC-FT	2090	2150	2000	1880	1700	2220	2370	8050	3590	3540	4140	2330
MAX	45	48	38	33	34	41	55	294	78	63	114	64
MIN	17	26	26	28	26	30	38	91	57	52	45	33

CAL YR 2000	TOTAL	14749	MEAN	40.3	MAX	117	MIN	17	AC-FT	29250
WTR YR 2001	TOTAL	18175	MEAN	49.8	MAX	294	MIN	17	AC-FT	36050

MAX DISCH: Undetermined  
MAX GH: 3.96 FT. AT 22:45 ON May. 15, 2001 (Backwater from Trash on Control)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated





SAN JUAN RIVER BASIN

LITTLE OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°04'32", long 106°48'38", in SW¼SE¼ sec. 23, T.33 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A. The gage was established December 5, 1996 by the Colorado Division of Water Resources in conjunction with the U.S.B.R.

GAGE.--Graphic water-stage recorder with Sutron 8200 DCP on separate floats in a concrete shelter at a 6 foot Parshall flume. The DCP is the primary record.

REMARKS.--Record good. Station maintained by the U.S.B.R. and record developed by Scott D. Brinton.

RATING TABLE.--LOSODVCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

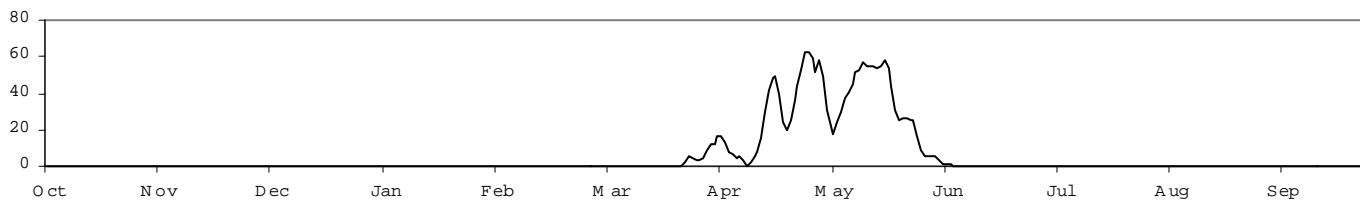
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	9.1	52	5.9	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	12	58	5.9	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	12	49	5.8	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	16	31	3.2	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	16	22	1.4	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	13	17	1.3	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	7.6	24	1.3	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	6.5	30	.16	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	4.6	37	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	5.7	41	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	3.6	45	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	51	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	2.2	53	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	5.7	57	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	8.0	55	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	15	55	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	30	55	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	42	54	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	48	55	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	49	58	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	39	54	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	24	44	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	20	31	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	25	25	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	36	26	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	2.5	44	26	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	5.6	53	25	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	4.1	62	25	.00	.00	.00	.00
29	.00	.00	.00	.00	---	3.2	63	16	.00	.00	.00	.00
30	.00	.00	.00	.00	---	3.4	59	9.1	.00	.00	.00	.00
31	.00	---	.00	.00	---	4.7	---	6.0	---	.00	.00	---
TOTAL	.00	.00	.00	.00	.00	23.5	731	1186.1	24.96	.00	.00	.00
MEAN	.00	.00	.00	.00	.00	.76	24.4	38.3	.83	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	47	1450	2350	50	.00	.00	.00
MAX	.00	.00	.00	.00	.00	5.6	63	58	5.9	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	6.0	.00	.00	.00	.00

CAL YR 2000 TOTAL 577.88 MEAN 1.58 MAX 32 MIN .00 AC-FT 1150  
WTR YR 2001 TOTAL 1965.56 MEAN 5.39 MAX 63 MIN .00 AC-FT 3900

MAX DISCH: 67.9 CFS AT 19:00 ON Apr. 28, 2001 GH 1.92 FT. SHIFT .00 FT.  
MAX GH: 1.92 FT. AT 19:00 ON Apr. 28, 2001

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



SAN JUAN RIVER BASIN

09345200 LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO, CO

LOCATION.--Lat 37°04'32", long 106°48'38", in SW¼SE¼ sec. 23, T.33 N., R.1 E., NMPM, Archuleta County, on right bank downstream from Little Oso Diversion Dam.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A, December 5, 1996 to current year.

GAGE.--Graphic water stage-recorder and a Sutron 8200 DCP on separate floats in a wooden shelter and concrete well. Supplemental outside staff gage. Control is a 5-foot Parshall flume set in concrete. The DCP is the primary record.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flows controlled by diversion dam upstream of gage for the Little Oso Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Station maintained and records developed by Sherry L. Schutz, David A. Nelson and Scott D. Brinton.

RATING TABLE.--LITOSOCO1 USED FROM 01-OCT-2000 TO 30-SEP-2001

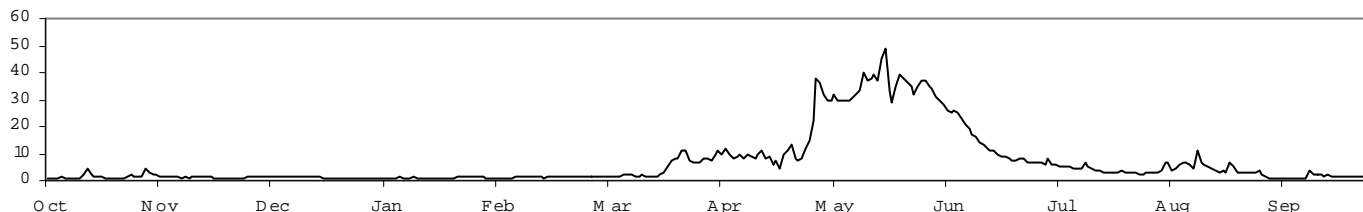
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	1.5	e1.3	e1.0	e.60	e1.3	8.3	38	35	6.5	2.7	2.4
2	.64	1.3	e1.3	e1.0	e.70	e1.2	7.6	36	34	6.7	2.6	1.2
3	.70	1.3	e1.2	e1.0	e.80	1.2	10	32	31	6.0	2.8	1.0
4	1.0	1.3	e1.2	e1.1	e.90	1.3	11	30	30	7.9	3.6	.88
5	1.2	1.3	e1.2	e1.1	e1.0	1.4	9.9	30	28	5.6	6.3	.86
6	.96	1.2	e1.2	e1.2	e1.1	1.5	12	32	26	5.9	6.6	.58
7	.88	1.1	e1.3	e1.1	e1.5	1.6	10	30	25	5.2	3.8	.56
8	.88	1.2	e1.4	e1.1	e1.4	1.7	8.1	30	26	4.9	4.3	.60
9	.98	.96	e1.5	e1.1	e1.3	2.0	8.7	30	25	5.2	5.9	.60
10	.97	1.3	e1.4	e1.2	e1.2	2.0	9.5	30	23	5.1	6.5	.58
11	2.0	1.3	e1.4	e1.1	e1.4	1.9	8.4	31	21	4.4	6.7	.50
12	4.6	1.3	e1.4	e1.1	e1.2	1.4	9.5	32	19	4.1	6.1	.43
13	2.2	1.2	e1.3	e1.0	e1.4	1.5	8.6	33	17	4.1	4.4	.46
14	1.4	e1.2	e1.2	e.90	e1.3	2.0	8.5	40	16	6.8	11	3.4
15	1.2	e1.2	e1.2	e.90	e1.1	1.8	10	37	14	5.4	6.8	2.4
16	1.2	e1.1	e1.1	e.90	e1.2	1.8	11	38	13	4.3	6.2	1.9
17	1.1	e1.0	e1.0	e.80	e1.3	1.8	8.3	39	12	3.7	5.0	1.9
18	1.1	e.90	e.80	e.70	e1.4	1.7	8.7	37	11	3.5	4.1	1.8
19	.98	e.90	e.90	e.80	e1.4	1.9	5.7	45	11	3.3	3.5	2.2
20	.98	e.90	e1.0	e1.0	e1.4	2.7	7.4	49	9.5	3.2	3.3	1.7
21	.98	e.90	e.90	e1.1	e1.4	4.9	4.5	33	8.8	3.2	3.4	1.6
22	.98	e1.0	e.90	e1.3	e1.4	7.2	10	29	8.6	3.1	3.3	1.6
23	1.5	e1.1	e.90	e1.4	e1.4	8.3	11	35	8.0	3.1	e7.0	1.6
24	2.4	e1.1	e1.0	e1.3	e1.3	8.0	13	39	7.5	3.9	e5.0	1.6
25	1.6	e1.2	e1.1	e1.3	e1.2	11	8.1	38	7.5	3.1	e3.0	1.6
26	1.5	e1.2	e1.0	e1.2	e1.3	11	7.5	36	7.9	3.0	2.8	1.5
27	1.8	e1.3	e.90	e1.4	e1.4	7.2	8.5	35	7.8	2.8	2.8	1.5
28	4.7	e1.3	e1.0	e1.3	e1.4	6.9	12	32	7.0	2.6	2.8	1.4
29	2.6	e1.3	e1.0	e1.2	---	6.6	15	35	6.5	2.5	2.8	1.4
30	2.0	e1.3	e1.0	e1.0	---	6.6	22	37	6.3	2.4	2.8	1.4
31	2.0	---	e1.0	e.60	---	8.3	---	37	---	2.7	3.6	---
TOTAL	47.80	35.16	35.00	33.20	34.40	119.7	292.8	1085	502.4	134.2	141.5	41.15
MEAN	1.54	1.17	1.13	1.07	1.23	3.86	9.76	35.0	16.7	4.33	4.56	1.37
AC-FT	95	70	69	66	68	237	581	2150	997	266	281	82
MAX	4.7	1.5	1.5	1.4	1.5	11	22	49	35	7.9	11	3.4
MIN	.64	.90	.80	.60	.60	1.2	4.5	29	6.3	2.4	2.6	.43

CAL YR 2000 TOTAL 1139.34 MEAN 3.11 MAX 30 MIN .46 AC-FT 2260  
WTR YR 2001 TOTAL 2502.31 MEAN 6.86 MAX 49 MIN .43 AC-FT 4960

MAX DISCH: 81.4 CFS AT 19:15 ON May. 19, 2001 GH 2.44 FT. SHIFT -0.02 FT.  
MAX GH: 2.44 FT. AT 19:15 ON May. 19, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder with a Sutron 8200 DCP with a shaft encoder on a separate float in a 42" corrugated metal shelter and well. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of up to 80 acres upstream of gage. Station maintained and records developed by David A. Nelson and Scott D. Brinton.

RATING TABLE.--FLOALECO04 USED FROM 01-OCT-2000 TO 30-SEP-2001

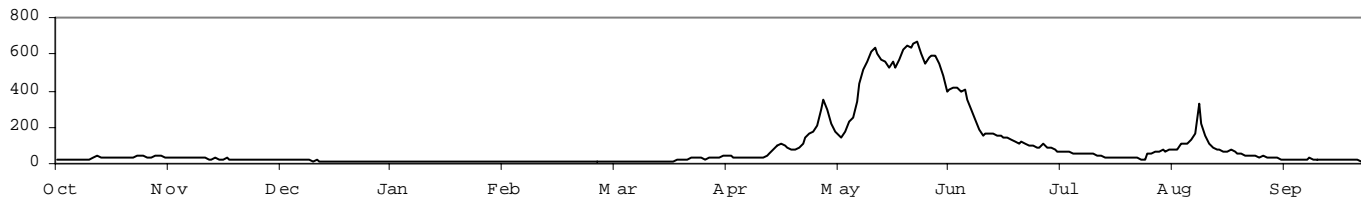
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	36	19	e10	e6.0	e7.5	31	293	593	88	51	39
2	18	34	18	e10	e6.5	e7.5	37	349	588	111	63	35
3	17	35	18	e9.5	e7.0	e8.0	38	292	547	92	67	32
4	19	33	18	e9.5	e6.5	e8.0	41	220	478	85	82	30
5	23	34	18	e9.0	e6.5	e8.5	45	176	393	77	68	29
6	22	29	17	e9.0	e6.5	e8.5	42	151	406	71	78	27
7	20	28	17	e8.5	e7.0	e9.0	37	145	421	67	72	25
8	19	29	17	e8.5	e6.5	e9.0	34	177	412	63	80	24
9	22	31	17	e8.0	e6.5	e9.5	32	229	396	62	113	22
10	24	30	17	8.1	e6.5	e10	31	256	401	58	115	21
11	34	28	16	e8.0	e6.5	e11	30	345	350	58	108	20
12	41	27	17	e8.0	e6.5	e11	28	439	294	54	136	20
13	37	25	16	8.2	e6.5	11	28	513	246	50	163	23
14	33	29	15	e8.0	e6.5	12	28	561	181	53	327	34
15	32	27	16	e8.0	e6.5	e11	30	613	154	60	221	24
16	31	25	15	8.2	e6.5	12	39	638	159	52	149	22
17	31	29	e15	e8.0	e6.5	11	56	602	164	46	113	22
18	32	25	e14	e8.0	e7.0	e11	78	572	163	43	89	21
19	34	25	e14	e8.0	e7.0	e11	101	558	157	38	81	20
20	34	23	16	e8.0	e7.0	12	109	530	148	36	76	19
21	34	22	15	e8.0	e7.0	14	97	563	147	34	69	19
22	35	22	e14	e8.0	e7.0	18	84	521	139	32	70	19
23	39	23	e14	7.9	e7.0	19	75	570	129	31	77	19
24	41	22	e14	e8.0	e7.0	22	73	629	116	32	65	18
25	39	21	13	e8.0	e7.0	26	84	647	112	29	58	18
26	36	21	e12	e8.0	e7.0	33	112	635	117	31	52	17
27	37	20	e11	7.9	e7.5	33	138	662	114	30	48	17
28	44	20	e10	7.6	e7.0	31	167	665	99	28	45	16
29	43	19	e10	e7.5	---	29	175	598	96	25	42	16
30	39	19	e10	e7.0	---	26	213	543	92	24	39	15
31	37	---	e10	e6.5	---	28	---	578	---	50	38	---
TOTAL	967	791	463	254.9	188.5	477.5	2113	14270	7812	1610	2855	683
MEAN	31.2	26.4	14.9	8.22	6.73	15.4	70.4	460	260	51.9	92.1	22.8
AC-FT	1920	1570	918	506	374	947	4190	28300	15500	3190	5660	1350
MAX	44	36	19	10	7.5	33	213	665	593	111	327	39
MIN	17	19	10	6.5	6	7.5	28	145	92	24	38	15

CAL YR 2000	TOTAL	19983.5	MEAN	54.7	MAX	619	MIN	5.4	AC-FT	39640
WTR YR 2001	TOTAL	32484.9	MEAN	89.0	MAX	665	MIN	6.0	AC-FT	64430

MAX DISCH: 794 CFS AT 21:45 ON May. 27, 2001 GH 3.42 FT. SHIFT -0.15 FT.  
MAX GH: 3.42 FT. AT 21:45 ON May. 27, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



## SAN JUAN RIVER BASIN

## FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO

**LOCATION.**--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

**DRAINAGE AREA.**--69.1 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with a Sutron 8200 DCP with a shaft encoder on a separate float in a 42" corrugated metal shelter and well and a concrete control. The DCP record is the primary record. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

**REMARKS.**--Records good. Diversions for irrigation of up to 80 acres upstream of gage. Flow regulated by Lemon Reservoir, capacity 40,100 acre-feet. Station maintained and records developed by David A. Nelson and Scott D. Brinton.

**RATING TABLE.**--FLOBLECO02 USED FROM 01-OCT-2000 TO 30-SEP-2001

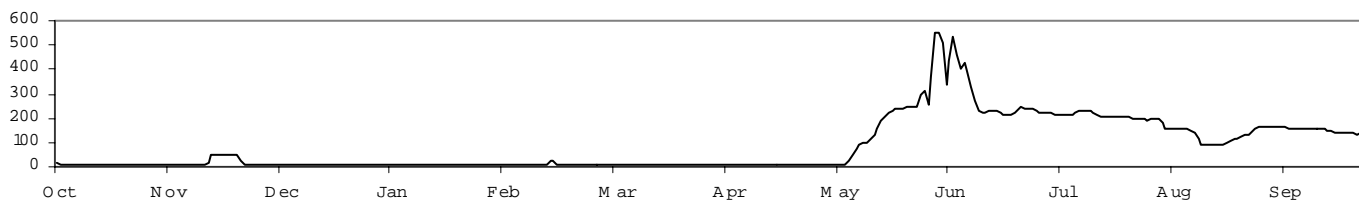
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	9.9	9.7	9.7	9.7	9.7	11	8.3	366	224	196	161
2	9.3	10	9.7	9.7	9.7	9.7	11	10	552	224	199	161
3	9.3	9.9	9.7	9.7	9.7	9.7	11	12	553	224	195	161
4	9.3	10	9.7	9.7	9.9	9.7	11	12	508	223	177	161
5	9.3	10	9.7	9.7	10	9.7	11	12	336	216	159	161
6	9.3	10	9.7	9.7	10	9.7	11	12	434	211	159	161
7	9.3	10	9.7	9.7	10	9.7	11	12	537	211	159	161
8	9.3	10	9.7	9.7	10	9.7	11	12	462	211	158	160
9	9.3	10	9.7	9.7	10	9.7	11	21	402	211	157	159
10	9.3	10	9.7	9.7	10	9.7	11	53	427	211	157	159
11	9.3	10	9.7	9.7	10	9.7	11	71	395	223	155	159
12	9.3	16	9.7	9.7	10	9.7	11	94	332	231	152	159
13	9.3	49	9.7	9.7	10	9.7	11	95	270	231	141	159
14	9.3	49	9.7	9.7	10	9.7	11	97	228	230	117	159
15	9.3	49	9.7	9.7	25	9.7	11	114	218	229	94	159
16	9.3	49	9.7	9.7	25	9.7	11	134	219	220	94	158
17	9.3	49	9.7	9.7	9.3	9.7	11	153	229	214	94	157
18	9.3	49	9.7	9.3	9.3	10	11	188	229	208	94	157
19	9.3	49	9.7	9.3	9.3	10	11	203	229	204	94	152
20	9.3	48	9.7	9.3	9.3	10	11	223	218	204	94	146
21	7.9	21	9.7	9.5	9.3	10	12	232	212	204	94	140
22	7.0	9.7	9.7	9.7	9.3	11	11	235	213	204	100	137
23	7.0	9.7	9.7	9.7	9.3	11	11	240	213	204	110	137
24	7.0	9.7	9.7	9.7	9.5	11	11	241	224	204	116	137
25	7.0	9.7	9.7	9.7	9.7	11	11	243	237	202	119	137
26	7.1	9.7	9.7	9.7	9.7	11	11	243	243	202	124	136
27	8.7	9.7	9.7	9.7	9.7	11	11	245	242	201	128	135
28	9.7	9.7	9.7	9.7	9.7	11	11	246	242	201	135	141
29	9.7	9.7	9.7	9.7	---	11	11	293	241	201	145	146
30	9.7	9.7	9.7	9.7	---	11	11	316	234	196	157	146
31	9.7	---	9.7	9.7	---	11	---	251	---	191	161	---
TOTAL	283.2	625.1	300.7	299.3	302.4	314.9	331	4321.3	9445	6570	4234	4562
MEAN	9.14	20.8	9.7	9.65	10.8	10.2	11	139	315	212	137	152
AC-FT	562	1240	596	594	600	625	657	8570	18730	13030	8400	9050
MAX	16	49	9.7	9.7	25	11	12	316	553	231	199	161
MIN	7.0	9.7	9.7	9.3	9.3	9.7	11	8.3	212	191	94	135
CAL YR 2000	TOTAL	32360.5	MEAN	88.4	MAX	660	MIN	7.0	AC-FT	64190		
WTR YR 2001	TOTAL	31588.9	MEAN	86.5	MAX	553	MIN	7.0	AC-FT	62660		

MAX DISCH: 604 CFS AT 22:45 ON Jun. 6, 2001 GH 4.28 FT. SHIFT -0.05 FT.

MAX GH: 4.28 FT. AT 22:45 ON Jun. 6, 2001

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



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder and Sutron 8004 DCP and shaft encoder on a separate float in a 36"x36" wooden shelter and well. The DCP record is the primary record. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station maintained by David A. Nelson and records developed by David A. Nelson and Scott D. Brinton.

RATING TABLE.--ANIHOWCO08 USED FROM 01-OCT-2000 TO 30-SEP-2001

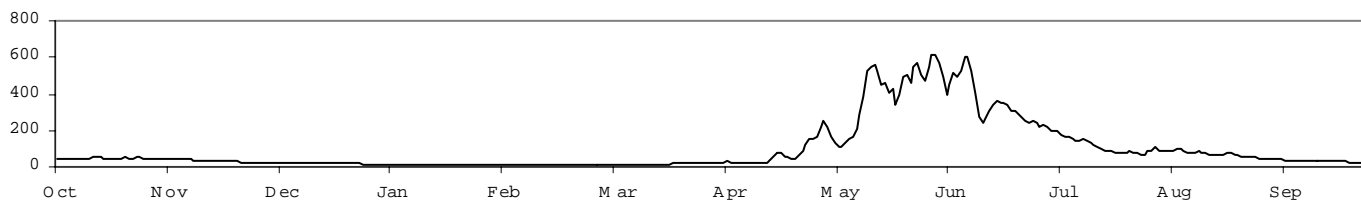
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	45	e23	e14	e13	15	21	220	612	224	92	49
2	44	40	22	e14	e13	e15	22	256	619	231	108	47
3	44	42	e21	e14	13	e15	23	214	575	221	92	45
4	45	41	e21	e14	e13	e14	27	162	489	201	87	42
5	48	46	21	e14	e13	e14	28	134	392	193	83	41
6	46	41	20	e14	e14	14	26	115	452	192	83	39
7	44	e39	20	e14	14	14	24	111	516	179	88	38
8	47	e33	19	e14	14	14	23	128	488	167	94	36
9	46	33	19	e13	e13	15	22	152	523	166	94	35
10	47	33	19	13	e13	15	22	164	604	151	87	33
11	50	33	e19	e13	e14	14	21	207	602	139	81	32
12	55	33	19	e13	e14	14	21	287	530	147	75	32
13	55	e33	19	e13	e14	e14	e21	384	408	153	75	32
14	49	e33	19	e13	e14	e14	21	523	273	142	91	34
15	47	32	e19	e13	e13	e14	22	545	237	134	81	32
16	47	e32	e19	e13	e13	15	26	555	263	118	75	33
17	47	e30	e19	e13	e13	15	36	527	309	106	71	35
18	48	e28	e18	e13	15	14	56	451	345	96	65	35
19	49	28	e18	e13	14	e14	78	465	365	91	62	33
20	50	28	18	e13	e14	e14	73	408	355	88	64	31
21	49	e27	e18	e13	14	18	60	429	346	85	70	30
22	49	27	e17	e13	14	19	50	336	340	80	77	29
23	51	27	e17	13	14	19	42	390	309	77	75	28
24	52	e26	e17	e13	14	20	47	492	310	79	68	28
25	48	26	16	e13	e15	21	62	502	290	77	63	27
26	45	25	e16	e14	e15	22	84	458	271	87	59	26
27	46	25	e16	14	15	20	122	547	248	81	56	26
28	47	25	e16	14	15	20	156	572	238	74	54	25
29	48	25	e15	13	---	19	148	506	252	68	52	25
30	48	24	e14	e13	---	18	167	473	239	68	50	25
31	48	---	14	e13	---	19	---	543	---	84	49	---
TOTAL	1484	960	568	414	387	502	1551	11256	11800	3999	2321	1003
MEAN	47.9	32	18.3	13.4	13.8	16.2	51.7	363	393	129	74.9	33.4
AC-FT	2940	1900	1130	821	768	996	3080	22330	23410	7930	4600	1990
MAX	55	46	23	14	15	22	167	572	619	231	108	49
MIN	44	24	14	13	13	14	21	111	237	68	49	25

CAL YR 2000	TOTAL	31109	MEAN	85.2	MAX	767	MIN	14	AC-FT	61700
WTR YR 2001	TOTAL	36245	MEAN	99.3	MAX	619	MIN	13	AC-FT	71890

MAX DISCH: 809 CFS AT 20:30 ON Jun. 1, 2001 GH 3.12 FT. SHIFT -0.04 FT.  
MAX GH: 3.12 FT. AT 20:30 ON Jun. 1, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



SAN JUAN RIVER BASIN

LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°19'26", long 108°03'41", in SE¼NW¼ sec. 3, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Sutron 8200 DCP in a wooden shelter and metal well at a 5 foot Parshall flume.

REMARKS.--Records good. Station maintained by Matthew A. Schmitt. Records developed by Scott D. Brinton.

RATING TABLE.--LPCDITCO01 USED FROM 01-OCT-2000 TO 01-OCT-2001

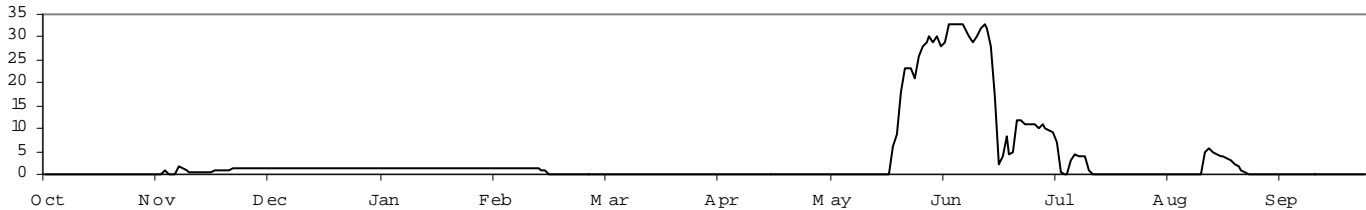
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	1.3	1.2	1.2	.00	.00	.00	29	11	.00	.00
2	.00	.00	1.3	1.2	1.2	.00	.00	.00	30	10	.00	.00
3	.00	.69	1.3	1.2	1.2	.00	.00	.00	29	11	.00	.00
4	.00	.14	1.3	1.2	1.2	.00	.00	.00	30	10	.00	.00
5	.00	.00	1.3	1.2	1.2	.00	.00	.00	28	9.8	.00	.00
6	.00	.00	1.3	1.2	1.2	.00	.00	.00	29	9.4	.00	.00
7	.00	1.7	1.3	1.2	1.2	.00	.00	.00	33	6.9	.00	.00
8	.00	1.4	1.3	1.2	1.2	.00	.00	.00	33	.46	.00	.00
9	.00	.89	1.3	1.2	1.2	.00	.00	.00	33	.00	.00	.00
10	.00	.49	1.3	1.2	1.1	.00	.00	.00	33	.00	.00	.00
11	.00	.44	1.3	1.2	1.1	.00	.00	.00	33	3.2	.00	.00
12	.00	.44	1.3	1.2	1.1	.00	.00	.00	31	4.2	.00	.00
13	.00	.45	1.3	1.2	1.1	.00	.00	.00	30	4.1	.00	.00
14	.00	.52	1.3	1.2	1.1	.00	.00	.00	29	4.0	.00	.00
15	.00	.54	1.2	1.2	1.0	.00	.00	.00	30	4.0	.00	.00
16	.00	.63	1.2	1.2	.75	.00	.00	.00	32	.72	.00	.00
17	.00	.72	1.2	1.2	.00	.00	.00	.00	33	.00	5.0	.00
18	.00	.84	1.2	1.2	.00	.00	.00	.00	32	.00	5.6	.00
19	.00	.90	1.2	1.2	.00	.01	.00	.00	28	.00	5.0	.00
20	.00	.98	1.2	1.2	.00	.03	.00	.00	17	.00	4.3	.00
21	.00	1.0	1.2	1.2	.00	.06	.00	.17	2.0	.00	3.9	.00
22	.00	1.1	1.2	1.2	.00	.08	.00	.10	3.9	.00	4.1	.00
23	.00	1.1	1.2	1.2	.00	.06	.00	6.1	8.5	.00	3.7	.00
24	.00	1.1	1.2	1.2	.00	.04	.02	8.8	4.3	.00	3.0	.00
25	.00	1.1	1.2	1.2	.00	.02	.00	18	4.9	.00	2.1	.00
26	.00	1.2	1.2	1.2	.00	.00	.00	23	12	.00	1.6	.00
27	.00	1.2	1.2	1.2	.00	.00	.00	23	12	.00	1.0	.00
28	.00	1.2	1.2	1.2	.00	.00	.00	23	11	.00	.26	.00
29	.00	1.2	1.2	1.2	---	.00	.00	21	11	.00	.00	.00
30	.00	1.3	1.2	1.2	---	.00	.00	26	11	.00	.00	.00
31	.00	---	1.2	1.2	---	.00	---	28	---	.00	.00	---
TOTAL	.00	23.27	38.6	37.2	18.05	.30	.02	177.17	682.6	88.78	39.56	.00
MEAN	.00	.78	1.25	1.2	.64	.01	.0007	5.72	22.8	2.86	1.28	.00
AC-FT	.00	.46	.77	.74	.36	.6	.04	351	1350	176	.78	.00
MAX	.00	1.7	1.3	1.2	1.2	.08	.02	28	33	11	5.6	.00
MIN	.00	.00	1.2	1.2	.00	.00	.00	.00	2.0	.00	.00	.00

CAL YR	2000	TOTAL	930.57	MEAN	2.54	MAX	31	MIN	.00	AC-FT	1850
WTR YR	2001	TOTAL	1105.55	MEAN	3.03	MAX	33	MIN	.00	AC-FT	2190

MAX DISCH: 36.9 CFS AT 06:15 ON Jun. 7, 2001 GH 1.47 FT. SHIFT .00 FT.  
MAX GH: 1.47 FT. AT 06:15 ON Jun. 7, 2001

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



SAN JUAN RIVER BASIN

PINE RIDGE DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°17'31", long 108°02'07", in SW¼NE¼ sec. 14, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a metal shelter and concrete well at a 3 foot Parshall flume.

REMARKS.--Records good. Station maintained by Matthew A. Schmitt. Records developed by Scott D. Brinton.

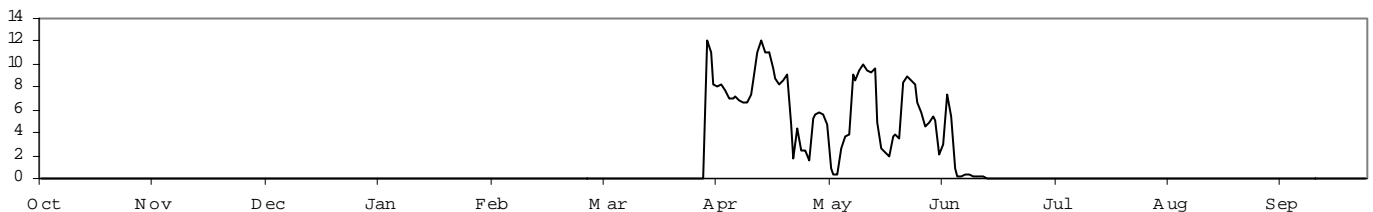
RATING TABLE.--PINDITCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.00	e.00	.00	.00	.00	.00	e.00	5.3	4.5	.00	.00	.00
2	e.00	e.00	.00	.00	.00	.00	e12	5.6	4.9	.00	.00	.00
3	e.00	e.00	.00	.00	.00	.00	e11	5.7	5.5	.00	.00	.00
4	e.00	e.00	.00	.00	.00	.00	e8.3	5.6	5.0	.00	.00	.00
5	e.00	e.00	.00	.00	.00	.00	8.0	4.8	2.1	.00	.00	.00
6	e.00	e.00	.00	.00	.00	.00	8.3	.94	3.0	.00	.00	.00
7	e.00	e.00	.00	.00	.00	.00	7.7	.35	7.4	.00	.00	.00
8	e.00	e.00	.00	.00	.00	.00	e7.0	.31	5.5	.00	.00	.00
9	e.00	e.00	.00	.00	.00	.00	e7.0	2.6	.82	.00	.00	.00
10	e.00	e.00	.00	.00	.00	.00	7.2	3.7	.23	.00	.00	.00
11	e.00	e.00	.00	.00	.00	.00	6.9	3.9	.24	.00	.00	.00
12	e.00	e.00	.00	.00	.00	e.00	6.7	9.1	.29	.00	.00	.00
13	e.00	e.00	.00	.00	.00	e.00	6.7	8.5	.28	.00	.00	.00
14	e.00	e.00	.00	.00	.00	.00	7.4	9.5	.23	.00	.00	.00
15	e.00	e.00	.00	.00	.00	.00	8.5	10	.23	.00	.00	.00
16	e.00	e.00	.00	.00	.00	e.00	11	9.4	.20	.00	.00	.00
17	e.00	e.00	.00	.00	.00	e.00	12	9.3	.13	.00	.00	.00
18	e.00	e.00	.00	.00	.00	e.00	11	9.7	.00	.00	.00	.00
19	e.00	e.00	.00	.00	.00	e.00	11	4.9	.00	.00	.00	.00
20	e.00	e.00	.00	.00	.00	e.00	9.7	2.7	.00	.00	.00	.00
21	e.00	e.00	.00	.00	.00	e.00	8.7	2.2	.00	.00	.00	.00
22	e.00	e.00	.00	.00	.00	e.00	8.3	2.0	.00	.00	.00	.00
23	e.00	e.00	.00	.00	.00	e.00	8.6	3.6	.00	.00	.00	.00
24	e.00	e.00	.00	.00	.00	e.00	9.1	3.9	.00	.00	.00	.00
25	e.00	e.00	.00	.00	.00	e.00	4.8	3.5	.00	.00	.00	.00
26	e.00	e.00	.00	.00	.00	e.00	1.8	8.4	.00	.00	.00	.00
27	e.00	e.00	.00	.00	.00	e.00	4.4	8.9	.00	.00	.00	.00
28	e.00	e.00	.00	.00	.00	e.00	2.4	8.5	.00	.00	.00	.00
29	e.00	e.00	.00	.00	---	e.00	2.4	8.2	.00	.00	.00	.00
30	e.00	e.00	.00	.00	---	e.00	1.5	6.6	.00	.00	.00	.00
31	e.00	---	.00	.00	---	e.00	---	5.7	---	.00	.00	---
TOTAL	.00	.00	.00	.00	.00	.00	219.4	173.4	40.55	.00	.00	.00
MEAN	.00	.00	.00	.00	.00	.00	7.31	5.59	1.35	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	435	344	80	.00	.00	.00
MAX	.00	.00	.00	.00	.00	.00	12	10	7.4	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.31	.00	.00	.00	.00
CAL YR 2000	TOTAL	241.37	MEAN	.66	MAX	7.0	MIN	.00	AC-FT	479		
WTR YR 2001	TOTAL	433.35	MEAN	1.19	MAX	12	MIN	.00	AC-FT	860		

MAX DISCH: 12.6 CFS AT 10:30 ON Apr. 16, 2001 GH 1.03 FT. SHIFT .00 FT.  
MAX GH: 1.03 FT. AT 10:30 ON Apr. 16, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



SAN JUAN RIVER BASIN

09365500 LA PLATA RIVER AT HESPERUS, CO

**LOCATION.**--Lat 37°17'23", long 108°02'24", in NE¼SW¼ sec. 14, T.35 N., R.11 W., NMPM La Plata County, Hydrologic Unit 14080105, on right bank at Hesperus 700 ft downstream from U.S. Highway 160.

**DRAINAGE AREA AND PERIOD OF RECORD.**--37 mi<sup>2</sup>, approximately. Periodic data June 1904 to Nov. 1910. Continuous from June 1917 to current year, with some periods of monthly data only.

**GAGE.**--Water-stage recorder and Sutron 8200 DCP on separate floats in a 64"x64" concrete block shelter and a 42" concrete well. Datum of gage is 8,104.71 ft above National Geodetic Vertical Datum of 1929. DCP is the primary record. Also equipped with an air temperature sensor.

**REMARKS.**--Records good except for estimated daily discharges, which are poor. Station maintained and record developed by Scott D. Brinton.

**RATING TABLE.**--LAPHESCO32 USED FROM 01-OCT-2000 TO 04-SEP-2001  
 LAPHESCO33 USED FROM 04-SEP-2001 TO 03-OCT-2001

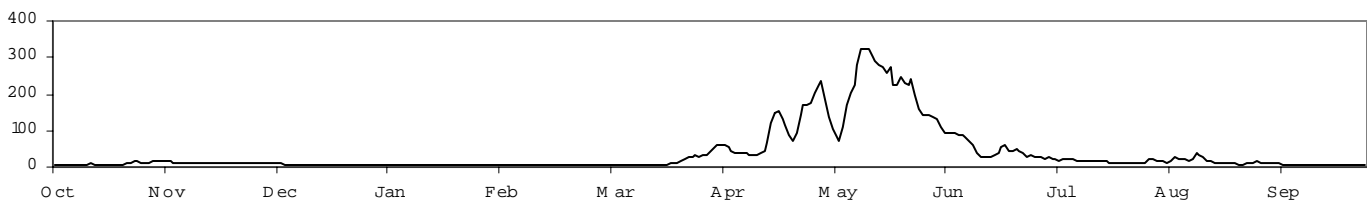
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	14	8.4	e7.0	e5.5	e6.5	42	226	140	27	24	e13
2	5.7	14	8.4	e7.0	e6.0	e6.0	51	236	139	26	24	e12
3	5.6	13	8.4	e7.0	e6.0	e6.5	59	187	131	23	17	e11
4	5.9	11	e8.0	e7.5	e6.0	e6.5	63	138	112	27	17	e10
5	6.4	13	8.0	e7.5	e6.0	6.5	59	105	94	21	14	8.9
6	6.0	12	8.0	e7.5	e6.0	6.4	53	80	92	20	13	8.3
7	6.0	12	8.0	e7.0	6.4	6.9	46	72	93	19	16	7.7
8	6.2	11	8.0	e7.0	6.8	7.0	40	111	95	23	e26	7.4
9	6.3	10	8.0	e7.0	e6.5	6.9	38	171	90	24	e24	7.4
10	6.9	10	8.1	7.2	e6.5	7.2	38	203	89	23	e22	7.3
11	8.6	10	8.2	e7.0	e6.5	6.8	36	225	81	22	e20	7.1
12	8.2	10	8.0	e7.5	e6.5	6.7	34	278	71	19	e18	6.8
13	6.9	e9.0	8.0	e7.0	e6.5	e6.5	33	322	58	17	e22	7.0
14	6.7	e9.5	8.0	e6.5	6.7	e6.5	33	325	40	16	e38	7.2
15	6.8	9.6	8.0	e6.5	e6.0	e6.5	36	325	29	16	e34	7.2
16	7.0	9.6	e7.5	e6.5	e6.0	6.8	42	302	28	16	e28	6.8
17	7.5	e8.5	e7.5	e6.5	e6.5	7.0	68	291	30	17	e16	7.2
18	8.1	e8.5	e7.0	e6.0	6.5	e7.0	120	281	29	16	e14	6.8
19	8.1	e8.5	e7.0	e6.0	6.4	e7.0	149	274	32	15	e12	6.4
20	8.0	e9.0	e7.5	e6.5	6.4	7.2	156	257	40	14	e12	6.1
21	8.8	e9.0	e7.5	e6.5	6.4	8.3	130	275	54	13	e10	6.1
22	9.5	9.0	e7.5	e6.5	6.4	9.3	115	225	58	12	e10	6.0
23	16	9.0	e7.5	e7.0	6.4	11	89	225	43	12	e12	5.9
24	15	8.8	e7.5	e7.0	e6.0	14	71	245	42	11	e10	5.7
25	13	e8.5	7.4	e7.0	6.4	20	95	232	47	11	e9.0	5.6
26	12	e8.5	e7.5	e6.5	6.4	26	145	227	45	11	e8.0	5.5
27	12	8.4	e7.5	e7.0	6.4	30	169	242	40	11	e8.0	5.4
28	14	8.4	e7.5	e6.5	6.7	32	168	198	30	9.9	e10	5.5
29	14	8.4	e7.5	e6.5	---	29	178	160	31	9.3	e10	5.7
30	14	8.4	e7.5	e6.0	---	32	201	140	30	9.2	e10	5.6
31	14	---	e7.5	e6.0	---	35	---	142	---	12	e14	---
TOTAL	279.2	298.6	240.4	210.2	176.8	381.0	2557	6720	1933	522.4	522.0	218.6
MEAN	9.01	9.95	7.75	6.78	6.31	12.3	85.2	217	64.4	16.9	16.8	7.29
AC-FT	554	592	477	417	351	756	5070	13330	3830	1040	1040	434
MAX	16	14	8.4	7.5	6.8	35	201	325	140	27	38	13
MIN	5.6	8.4	7.0	6.0	5.5	6.0	33	72	28	9.2	8.0	5.4

CAL YR	2000	TOTAL	10107.7	MEAN	27.7	MAX	201	MIN	3.8	AC-FT	20050
WTR YR	2001	TOTAL	14059.2	MEAN	38.5	MAX	325	MIN	5.4	AC-FT	27890

MAX DISCH: 390 CFS AT 22:15 ON May. 15, 2001 GH 3.49 FT. SHIFT 0.17 FT.  
 MAX GH: 3.51 FT. AT 23:45 ON May. 12, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
 e - Estimated





SAN JUAN RIVER BASIN

CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°07'03", long 108°11'53", in NW¼SW¼ sec. 7, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.--66 mi².

GAGE.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a concrete shelter and well. Datum of gauge is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station maintained and records developed by Matthew A. Schmitt and Scott D. Brinton.

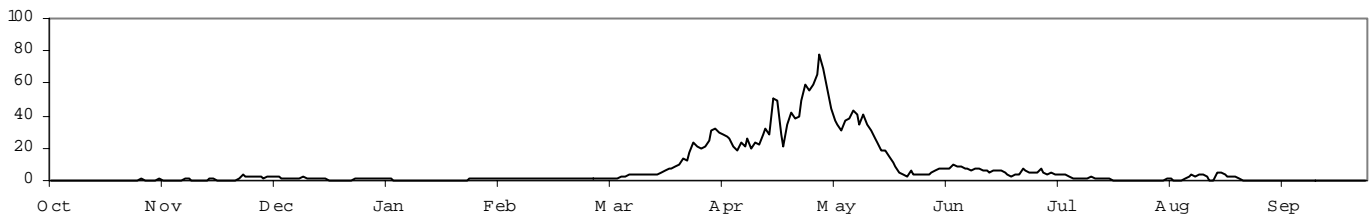
RATING TABLE.--CHEREDCO02 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.01	2.3	e.80	e.80	e1.6	25	65	4.1	4.5	.00	.00
2	.00	.00	2.0	e.80	e.80	e1.6	31	78	4.4	6.8	.00	.00
3	.00	.33	1.9	e.80	e.80	e1.6	32	69	6.4	4.9	.00	.00
4	.00	.10	e1.8	e.60	e.80	e1.6	30	57	7.5	4.3	.00	.00
5	.00	.00	1.7	e.60	e1.0	e1.4	29	45	7.2	5.1	.00	.00
6	.00	.26	1.5	e.60	e1.0	e1.0	27	37	7.4	4.3	.68	.00
7	.00	1.1	e1.4	e.60	e1.2	e1.6	26	34	6.8	3.6	1.1	.00
8	.00	.95	1.6	e.60	e1.4	e2.0	21	31	9.9	3.7	.25	.00
9	.00	.14	1.6	e.60	e1.2	e3.0	18	37	9.2	3.3	.00	.00
10	.00	.00	2.0	e.60	e1.0	e4.0	23	38	8.1	2.5	.00	.00
11	.00	.00	1.8	e.60	e1.0	e4.0	21	43	7.4	1.8	1.2	.00
12	.00	.58	1.8	e.60	e1.0	e4.0	26	41	7.1	1.4	2.6	.00
13	.00	e.60	e1.4	e.40	e1.0	e4.0	20	35	6.1	1.2	3.1	.00
14	.00	e.80	e1.2	e.40	e1.0	e4.0	23	41	7.4	1.1	2.8	.00
15	.00	.92	e1.0	e.40	e1.0	e4.0	22	34	7.4	1.5	3.2	.00
16	.00	.60	e.80	e.40	e1.0	e4.0	29	31	6.4	2.5	3.5	.00
17	.00	.40	e.60	e.40	e1.0	e4.0	32	26	6.1	1.6	2.1	.00
18	.00	.51	e.40	e.40	e1.2	e4.0	28	23	4.9	1.2	.57	.00
19	.00	.04	e.40	e.40	e1.6	e5.0	51	18	6.7	1.0	.00	.00
20	.00	e.00	e.20	e.40	e1.6	e6.0	50	18	6.7	.85	4.6	.00
21	.00	e.50	e.20	e.40	e1.8	e7.0	28	15	5.8	.66	5.1	.00
22	.00	1.8	e.40	e.40	e1.8	e8.0	21	11	4.9	.52	3.6	.00
23	.00	3.2	e.60	e.60	e1.6	e9.0	35	8.8	3.6	.38	2.8	.00
24	.00	2.6	e.80	e.60	e1.2	e10	42	4.9	2.8	.00	2.2	.00
25	.00	2.0	e1.0	e.80	e1.0	13	38	3.4	3.1	.00	1.9	.00
26	1.7	2.0	e1.0	e.80	e1.2	12	39	3.0	3.2	.00	1.7	.00
27	.16	2.4	e.80	e.80	e1.6	17	49	5.8	7.7	.00	.18	.00
28	.00	2.0	e.80	e.80	e1.8	23	59	4.3	6.3	.00	.00	.00
29	.00	1.6	e.80	e.80	---	21	56	3.5	4.4	.00	.00	.00
30	.13	2.7	e.80	e.80	---	20	59	4.0	4.4	.00	.00	.00
31	.94	---	e.80	e.80	---	21	---	3.4	---	.00	.00	---
TOTAL	2.93	28.14	35.40	18.60	33.40	223.4	990	868.1	183.4	58.71	43.18	.00
MEAN	.095	.94	1.14	.60	1.19	7.21	33	28	6.11	1.89	1.39	.000
AC-FT	5.8	56	70	37	66	443	1960	1720	364	116	86	.00
MAX	1.7	3.2	2.3	.80	1.8	23	59	78	9.9	6.8	5.1	.00
MIN	.00	.00	.20	.40	.80	1.0	18	3.0	2.8	.00	.00	.00
CAL YR 2000	TOTAL	2903.04	MEAN	7.93	MAX	101	MIN	.00	AC-FT	5760		
WTR YR 2001	TOTAL	2485.26	MEAN	6.81	MAX	78	MIN	.00	AC-FT	4930		

MAX DISCH: 164 CFS AT 16:15 ON Apr. 19, 2001 GH 1.84 FT. SHIFT 0.61 FT.  
MAX GH: 2.26 FT. AT 10:15 ON Feb. 20, 2001 (BACKWATER FROM ICE)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



SAN JUAN RIVER BASIN

LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°03'02", long 108°10'23", in SE¼SW¼ sec. 32, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.-- 46.5 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder with a Sutron 8200 DCP on separate floats in a 3' by 3' wooden shelter and well. The control is a three foot Parshall flume equipped with a staff gauge. Datum of gauge is 6,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversion for irrigation of up to 85 acres upstream of gage. Station maintained and records developed by Matthew A. Schmitt and Scott D. Brinton.

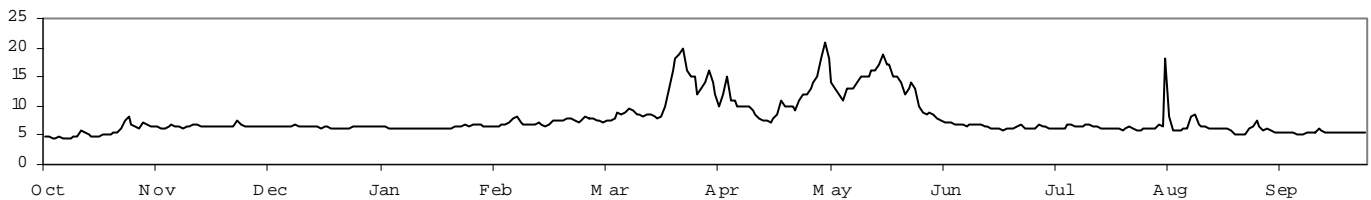
RATING TABLE.--LONREDCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	6.4	6.4	e6.4	e6.6	7.8	14	14	8.4	6.3	6.3	6.6
2	4.7	6.3	6.4	e6.4	e6.6	7.6	16	15	8.8	6.9	6.1	5.9
3	4.6	6.2	6.4	e6.4	e6.6	7.4	14	18	8.6	6.6	6.2	6.0
4	4.5	6.4	6.4	e6.2	6.8	7.2	12	21	8.0	6.5	6.7	5.8
5	4.9	6.9	6.4	e6.2	7.0	7.5	10	18	7.6	6.3	6.4	5.6
6	4.6	6.6	6.4	6.3	7.3	7.6	12	14	7.2	6.1	18	5.5
7	4.4	6.4	6.4	e6.2	7.9	8.0	15	13	7.1	6.0	8.2	5.4
8	4.6	6.3	6.5	e6.2	8.2	8.8	11	12	7.1	6.1	5.8	5.4
9	4.8	6.5	7.0	e6.2	7.3	8.4	11	11	7.0	6.3	5.7	5.5
10	4.9	6.6	6.6	e6.2	e7.0	9.0	9.9	13	6.9	6.8	5.8	5.5
11	5.7	6.8	6.6	e6.2	6.9	9.5	10	13	6.8	6.8	6.3	5.3
12	5.5	6.8	6.6	e6.2	6.9	9.2	9.8	13	6.6	6.5	6.1	5.3
13	5.1	e6.6	6.5	e6.2	7.0	8.7	9.8	14	6.7	6.4	8.2	5.3
14	4.9	e6.6	6.4	e6.2	7.1	8.4	9.3	15	7.0	6.5	8.5	5.5
15	4.9	6.6	6.4	e6.2	6.8	8.3	8.5	15	6.9	7.0	7.0	5.6
16	4.9	6.5	6.3	e6.2	6.6	8.4	7.8	15	6.8	6.8	6.4	5.4
17	5.0	e6.5	e6.4	6.2	6.8	8.5	7.5	16	6.5	6.4	6.4	6.2
18	5.1	e6.5	e6.4	e6.0	7.4	8.1	7.4	16	e6.4	6.5	6.2	5.9
19	5.2	e6.5	e6.2	e6.0	7.7	7.8	7.2	17	e6.2	6.3	6.2	5.6
20	5.5	e6.5	e6.0	e6.2	7.6	8.3	8.0	19	6.1	6.3	6.2	5.5
21	5.6	6.5	e6.0	e6.2	7.7	10	8.6	17	6.0	6.3	6.2	5.4
22	6.0	6.6	e6.0	e6.4	7.9	13	11	17	5.8	6.1	6.1	5.4
23	7.5	7.6	e6.2	6.6	7.8	16	10	15	6.0	6.0	6.1	5.4
24	8.3	6.9	e6.2	6.4	7.4	18	10	15	6.0	6.0	5.7	5.4
25	6.9	6.5	6.4	6.7	7.1	19	9.8	14	6.2	5.8	5.2	5.5
26	6.6	6.4	6.4	e6.6	7.4	20	9.3	12	6.5	6.1	5.1	5.4
27	6.3	6.4	e6.4	6.8	8.1	16	11	13	6.7	6.4	5.1	5.5
28	7.2	6.4	e6.4	6.9	8.0	15	12	14	6.3	6.1	5.1	5.5
29	6.7	6.4	e6.4	6.7	---	15	12	13	6.0	5.8	6.2	5.4
30	6.4	6.5	e6.4	6.6	---	12	13	10	6.2	5.9	6.6	5.4
31	6.4	---	e6.4	e6.6	---	13	---	8.8	---	6.2	7.6	---
TOTAL	172.4	196.7	197.9	196.8	203.5	331.5	316.9	450.8	204.4	196.1	207.7	167.1
MEAN	5.56	6.56	6.38	6.35	7.27	10.7	10.6	14.5	6.81	6.33	6.7	5.57
AC-FT	342	390	393	390	404	658	629	894	405	389	412	331
MAX	8.3	7.6	7.0	6.9	8.2	20	16	21	8.8	7.0	18	6.6
MIN	4.4	6.2	6.0	6.0	6.6	7.2	7.2	8.8	5.8	5.8	5.1	5.3
CAL YR 2000	TOTAL	2648.4	MEAN	7.24	MAX	21	MIN	4.1	AC-FT	5250		
WTR YR 2001	TOTAL	2841.8	MEAN	7.79	MAX	21	MIN	4.4	AC-FT	5640		

MAX DISCH: 115 CFS AT 19:30 ON Aug. 6, 2001 GH 3.40 FT. SHIFT 0.10 FT.  
MAX GH: 3.40 FT. AT 19:30 ON Aug. 6, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



SAN JUAN RIVER BASIN

PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 36°59'58", long 108°11'09", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with Sutron 8200 DCP in a shelter and well at a 1 foot Parshall flume.

REMARKS.--Records good. Station maintained by Matthew A. Schmitt. Records developed by Scott D. Brinton.

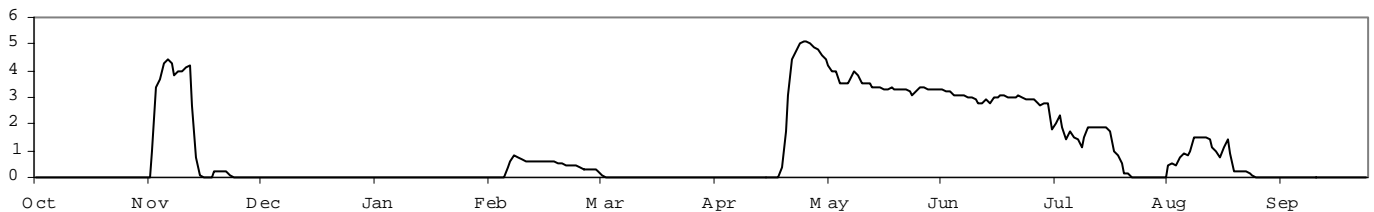
RATING TABLE.--PIODITCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.29	.00	5.0	3.4	2.9	.00	.00
2	.00	1.0	.00	.00	.00	.29	.00	4.9	3.3	2.8	.00	.00
3	.00	3.4	.00	.00	.00	.27	.00	4.8	3.3	2.7	.00	.00
4	.00	3.7	.00	.00	.00	.24	.00	4.6	3.3	2.8	.00	.00
5	.00	4.3	.00	.00	.00	.05	.00	4.4	3.3	2.8	.00	.00
6	.00	4.4	.00	.00	.03	.00	.00	4.2	3.3	1.8	.00	.00
7	.00	4.3	.00	.00	.36	.00	.00	4.0	3.2	2.0	.43	.00
8	.00	3.8	.00	.00	.59	.00	.00	4.0	3.2	2.3	.50	.00
9	.00	4.0	.00	.00	.81	.00	.00	3.5	3.1	1.9	.48	.00
10	.00	4.0	.00	.00	.78	.00	.00	3.5	3.1	1.4	.73	.00
11	.00	4.1	.00	.00	.69	.00	.00	3.5	3.1	1.7	.88	.00
12	.00	4.2	.00	.00	.58	.00	.00	3.7	3.1	1.5	.84	.00
13	.00	2.7	.00	.00	.58	.00	.00	4.0	3.0	1.4	.98	.00
14	.00	.77	.00	.00	.58	.00	.00	3.8	3.0	1.1	1.5	.00
15	.00	.10	.00	.00	.58	.00	.00	3.5	2.9	1.5	1.5	.00
16	.00	.00	.00	.00	.60	.00	.00	3.5	2.8	1.9	1.5	.00
17	.00	.00	.00	.00	.61	.00	.00	3.5	2.8	1.9	1.5	.00
18	.00	.01	.00	.00	.60	.00	.00	3.4	2.9	1.9	1.4	.00
19	.00	.19	.00	.00	.58	.00	.00	3.4	2.8	1.9	1.1	.00
20	.00	.20	.00	.00	.57	.00	.00	3.4	3.0	1.9	.98	.00
21	.00	.20	.00	.00	.53	.00	.00	3.3	3.0	1.9	.75	.00
22	.00	.20	.00	.00	.51	.00	.00	3.3	3.1	1.7	1.1	.00
23	.01	.08	.00	.00	.46	.00	.38	3.4	3.1	.95	1.4	.00
24	.00	.00	.00	.00	.46	.00	1.7	3.3	3.0	.86	.87	.00
25	.00	.00	.00	.00	.46	.00	3.1	3.3	3.0	.49	.24	.00
26	.00	.00	.00	.00	.44	.00	4.4	3.3	3.0	.18	.21	.00
27	.00	.00	.00	.00	.40	.00	4.7	3.3	3.1	.12	.20	.00
28	.00	.00	.00	.00	.32	.00	5.0	3.2	3.0	.00	.19	.00
29	.00	.00	.00	.00	---	.00	5.1	3.1	2.9	.00	.18	.00
30	.00	.00	.00	.00	---	.00	5.1	3.2	2.9	.00	.04	.00
31	.00	---	.00	.00	---	.00	---	3.4	---	.00	.00	---
TOTAL	.01	45.65	.00	.00	12.12	1.14	29.48	114.7	92.0	46.30	19.50	.00
MEAN	.0003	1.52	.00	.00	.43	.037	.98	3.7	3.07	1.49	.63	.00
AC-FT	.02	91	.00	.00	24	2.3	58	228	182	92	39	.00
MAX	.01	4.4	.00	.00	.81	.29	5.1	5.0	3.4	2.9	1.5	.00
MIN	.00	.00	.00	.00	.00	.00	.00	3.1	2.8	.00	.00	.00
CAL YR 2000	TOTAL	358.62	MEAN	.98	MAX	4.0	MIN	.00	AC-FT	711		
WTR YR 2001	TOTAL	360.9	MEAN	.99	MAX	5.1	MIN	.00	AC-FT	716		

MAX DISCH: 6.03 CFS AT 16:00 ON Nov. 13, 2000 GH 1.31 FT. SHIFT .00 FT.  
MAX GH: 1.31 FT. AT 16:00 ON Nov. 13, 2000

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



SAN JUAN RIVER BASIN

ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 37°00'50", long 108°11'18", in SW¼SE¼ sec. 3, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with Sutron 8200 DCP in a shelter and well at a 2 foot Parshall flume.

REMARKS.--Records good. Station maintained by Matthew A. Schmitt. Records developed by Scott D. Brinton.

RATING TABLE.--ENTDITCO01 USED FROM 01-OCT-2000 TO 30-SEP-2001

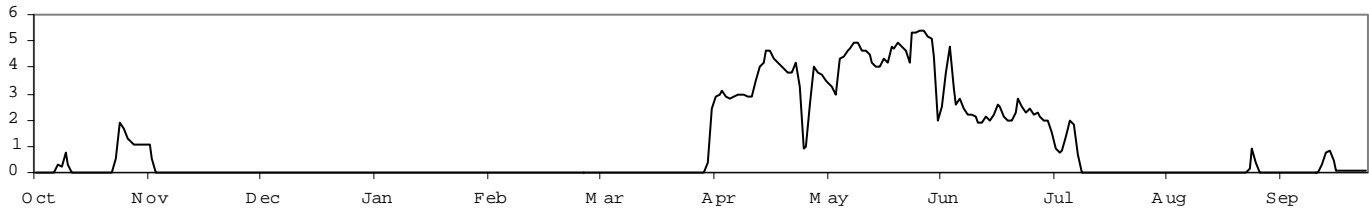
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	1.1	.00	.00	.00	.00	.00	2.6	5.4	2.2	.00	.00
2	.00	.52	.00	.00	.00	.00	.00	4.0	5.2	2.3	.00	.00
3	.00	.00	.00	.00	.00	.00	.40	3.8	5.1	2.1	.00	.00
4	.00	.00	.00	.00	.00	.00	2.4	3.7	4.4	2.0	.00	.00
5	.00	.00	.00	.00	.00	.00	2.9	3.5	2.0	2.0	.00	.00
6	.00	.00	.00	.00	.00	.00	3.0	3.4	2.5	1.5	.00	.00
7	.27	.00	.00	.00	.00	.00	3.1	3.3	3.8	.88	.00	.00
8	.19	.00	.00	.00	.00	.00	2.9	3.0	4.8	.79	.00	.00
9	.77	.00	.00	.00	.00	.00	2.8	4.3	3.2	.85	.00	.00
10	.28	.00	.00	.00	.00	.00	2.9	4.4	2.6	1.4	.00	.00
11	.00	.00	.00	.00	.00	.00	3.0	4.6	2.8	2.0	.00	.00
12	.00	.00	.00	.00	.00	.00	3.0	4.7	2.4	1.8	.00	.00
13	.00	.00	.00	.00	.00	.00	3.0	4.9	2.2	.71	.00	.00
14	.00	.00	.00	.00	.00	.00	2.9	4.9	2.2	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	2.9	4.6	2.1	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	3.5	4.6	1.9	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	4.0	4.5	1.9	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	4.2	4.2	2.1	.00	.00	.32
19	.00	.00	.00	.00	.00	.00	4.6	4.0	2.0	.00	.00	.74
20	.00	.00	.00	.00	.00	.00	4.6	4.0	2.2	.00	.00	.81
21	.00	.00	.00	.00	.00	.00	4.3	4.3	2.6	.00	.00	.44
22	.00	.00	.00	.00	.00	.00	4.2	4.2	2.5	.00	.00	.05
23	.53	.00	.00	.00	.00	.00	4.0	4.8	2.1	.00	.00	.05
24	1.9	.00	.00	.00	.00	.00	3.9	4.7	2.0	.00	.00	.06
25	1.7	.00	.00	.00	.00	.00	3.8	4.9	2.0	.00	.00	.08
26	1.3	.00	.00	.00	.00	.00	3.8	4.8	2.3	.00	.00	.08
27	1.2	.00	.00	.00	.00	.00	4.2	4.6	2.8	.00	.00	.08
28	1.1	.00	.00	.00	.00	.00	3.3	4.2	2.5	.00	.00	.08
29	1.1	.00	.00	.00	---	.00	.90	5.3	2.3	.00	.17	.08
30	1.1	.00	.00	.00	---	.00	.95	5.3	2.4	.00	.91	.08
31	1.1	---	.00	.00	---	.00	---	5.4	---	.00	.37	---
TOTAL	12.54	1.62	.00	.00	.00	.00	89.45	133.5	84.3	20.53	1.45	2.95
MEAN	.400	.054	.00	.00	.00	.00	2.98	4.31	2.81	.66	.047	.098
AC-FT	25	3.2	.00	.00	.00	.00	177	265	167	41	2.9	5.9
MAX	1.9	1.1	.00	.00	.00	.00	4.6	5.4	5.4	2.3	.91	.81
MIN	.00	.00	.00	.00	.00	.00	.00	2.6	1.9	.00	.00	.00

CAL YR 2000	TOTAL	247.95	MEAN	.68	MAX	6.7	MIN	.00	AC-FT	492
WTR YR 2001	TOTAL	346.34	MEAN	.95	MAX	5.4	MIN	.00	AC-FT	687

MAX DISCH: 5.66 CFS AT 15:30 ON May. 29, 2001 GH 0.83 FT. SHIFT -0.03 FT.  
MAX GH: 0.83 FT. AT 15:30 ON May. 29, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



SAN JUAN RIVER BASIN

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

**LOCATION.**--Lat 36°59'59", long 108°11'17", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County, CO, Hydrologic Unit 14080105, on right bank at Colorado-New Mexico State line, 0.5 mi downstream of Johnny Pond Arroyo, and 4.9 mi north of La Plata, NM.

**DRAINAGE AREA AND PERIOD OF RECORD.**--331 mi<sup>2</sup>. Jan. 1920 to current year. Monthly data only for some periods.

**GAGE.**--Water-stage recorder and Sutron 8200 DCP on separate floats in a 42" concrete well and 64"x64" cement block shelter. The DCP is the primary record. Datum of gage is 5,975.15 ft above National Geodetic Vertical Datum of 1929. Also equipped with an air temperature sensor.

**REMARKS.**--Records good except for estimated daily discharges, which are poor. Station maintained and record developed by Scott D Brinton.

**RATING TABLE.**--LAPMEXCO28 USED FROM 01-OCT-2000 TO 04-SEP-2001  
LAPMEXCO29 USED FROM 04-SEP-2001 TO 30-SEP-2001

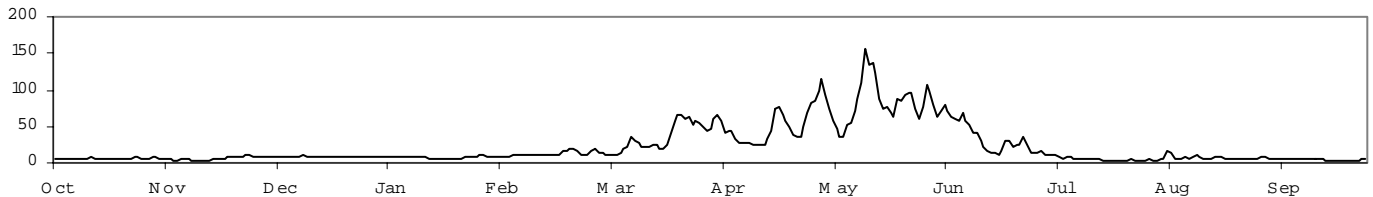
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	5.5	8.3	e8.0	e8.0	14	47	100	99	14	4.4	e8.0
2	4.5	4.5	8.2	e8.0	e8.0	13	59	115	79	16	3.9	e7.0
3	4.5	2.8	8.3	e8.0	e8.0	12	65	94	63	12	3.8	e6.0
4	4.8	3.7	8.8	e7.0	e9.0	11	57	74	72	11	5.3	e5.5
5	5.3	5.0	8.7	e7.0	e10	12	42	57	80	12	4.9	5.4
6	4.9	4.7	8.5	e7.0	10	12	43	47	72	9.6	16	5.4
7	4.5	4.3	8.6	e7.0	11	15	43	36	64	7.5	15	5.2
8	4.9	e3.3	8.3	e7.0	12	18	32	35	59	6.3	6.6	5.4
9	5.3	e3.3	9.9	e7.0	11	23	28	52	58	6.9	5.8	5.5
10	6.0	3.3	8.9	e7.0	e10	35	27	56	68	8.7	5.9	5.7
11	7.3	3.8	9.1	e7.0	9.7	31	28	71	58	6.6	6.9	5.5
12	6.3	e3.8	8.6	e7.0	9.7	27	28	89	51	5.7	6.0	5.3
13	4.6	e4.0	8.6	e6.0	9.8	22	26	109	41	5.1	8.1	5.2
14	4.6	e5.0	8.6	e6.0	10	21	25	156	40	6.0	10	5.5
15	4.5	e6.0	9.2	e6.0	10	22	24	134	31	6.4	7.0	5.6
16	4.5	e6.0	e9.0	e6.0	10	24	26	136	21	6.4	6.6	5.3
17	4.6	e6.0	e9.0	e6.0	9.7	24	32	124	16	5.0	e6.5	5.3
18	4.5	e7.0	e8.0	e6.0	12	20	45	87	15	4.7	e6.5	4.4
19	4.6	e7.0	e7.0	e6.0	16	19	74	74	14	3.8	e7.0	3.4
20	4.7	e7.0	e7.0	e6.0	16	25	78	78	12	3.4	e7.0	3.3
21	5.1	e7.0	e7.0	e6.0	18	40	65	68	17	3.1	e7.0	3.6
22	6.1	7.8	e8.0	e6.0	18	57	58	62	31	2.3	e5.0	3.6
23	8.1	11	e8.0	e7.0	16	65	49	88	29	3.1	e5.0	3.5
24	8.1	9.6	e8.0	e8.0	12	65	39	85	22	3.0	e5.5	3.4
25	5.6	8.4	e9.0	e9.0	11	59	35	93	26	3.2	e6.0	3.5
26	5.4	e8.0	e9.0	e9.0	12	64	35	97	25	4.1	e6.0	3.0
27	5.4	8.2	e8.0	9.6	17	53	48	95	35	4.8	e6.0	3.5
28	7.1	8.0	e8.0	9.7	18	57	68	73	25	4.0	e6.0	3.8
29	6.9	7.9	e8.0	9.1	---	55	83	60	15	3.4	e6.0	4.2
30	5.8	8.4	e8.0	e9.0	---	50	84	76	15	3.5	e5.5	4.3
31	5.3	---	e8.0	e8.0	---	43	---	107	---	4.1	e6.5	---
TOTAL	168.3	180.3	259.6	225.4	331.9	1008	1393	2628	1253	195.7	207.7	144.3
MEAN	5.43	6.01	8.37	7.27	11.9	32.5	46.4	84.8	41.8	6.31	6.7	4.81
AC-FT	334	358	515	447	658	2000	2760	5210	2490	388	412	286
MAX	8.1	11	9.9	9.7	18	65	84	156	99	16	16	8.0
MIN	4.5	2.8	7.0	6.0	8.0	11	24	35	12	2.3	3.8	3.0

CAL YR 2000 TOTAL 7786.2 MEAN 21.3 MAX 179 MIN 1.7 AC-FT 15440  
WTR YR 2001 TOTAL 7995.2 MEAN 21.9 MAX 156 MIN 2.3 AC-FT 15860

MAX DISCH: 205 CFS AT 15:45 ON May 14, 2001 GH 4.38 FT. SHIFT -0.10 FT.  
MAX GH: 7.09 FT. AT 15:15 ON Jan. 22, 2001 (Backwater from ice)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e - Estimated



SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO

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

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

GAGE.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a 42" concrete well and 64"x64" cement block shelter. The DCP is the primary record. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--MANMANCO08 USED FROM 01-OCT-2000 TO 30-SEP-2001

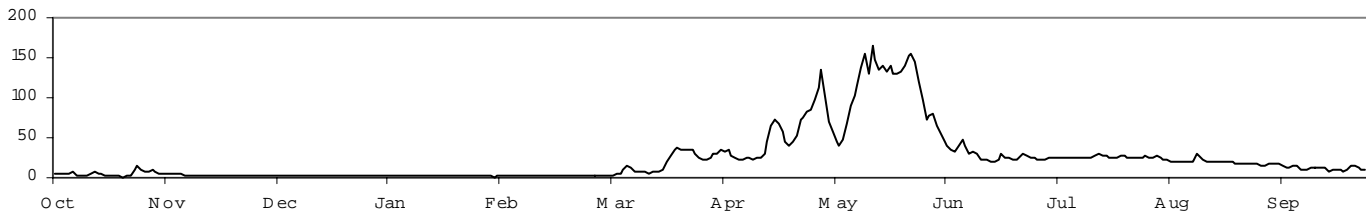
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	4.9	e2.6	e2.0	e1.4	e2.6	26	112	77	23	25	16
2	4.7	4.3	e2.4	e2.0	e1.6	e2.4	31	134	81	23	24	16
3	5.2	4.4	e2.2	e2.0	e2.0	e2.6	31	103	66	23	27	17
4	5.8	3.8	e1.6	e2.2	e1.8	e2.8	34	70	55	26	24	17
5	6.0	5.9	e1.8	e2.2	e1.8	3.5	32	57	45	26	23	17
6	6.7	2.2	e1.8	e2.2	e2.0	4.3	34	46	39	25	22	17
7	2.6	e2.0	e1.8	e2.0	2.6	5.9	28	40	36	24	21	16
8	2.4	e2.0	1.8	e2.0	e2.4	8.9	26	47	33	25	20	12
9	2.7	e2.0	2.1	e2.0	e2.2	14	22	67	40	26	20	13
10	2.5	e2.0	2.1	2.1	e2.4	13	23	89	47	26	20	15
11	5.0	e2.0	e2.0	e2.0	e2.4	8.1	24	103	39	25	20	14
12	7.0	e2.0	e2.0	e2.2	e2.4	7.2	24	115	29	25	21	11
13	4.9	e2.0	2.1	e2.0	e2.6	e7.0	22	137	32	25	21	9.2
14	3.9	e2.4	e2.0	e1.8	e2.4	e7.0	25	155	30	26	30	11
15	3.2	e2.6	e2.0	e1.8	e2.0	e6.0	26	131	23	25	27	12
16	2.9	e2.6	e1.8	e1.8	e2.2	e6.5	31	165	22	24	22	12
17	2.6	e2.0	e1.8	e1.8	e2.4	6.5	44	148	22	27	21	13
18	2.1	e2.0	e1.6	e1.6	2.6	e7.0	64	135	21	29	20	13
19	1.8	e2.2	e1.6	e1.6	e2.6	e10	72	140	21	28	20	12
20	1.1	e2.4	e1.8	e1.6	e2.6	20	68	133	23	27	20	7.6
21	1.3	e2.6	e1.8	e1.6	3.0	28	58	139	29	26	20	9.5
22	2.4	e3.0	e1.8	e1.6	e3.0	35	44	131	26	26	21	10
23	11	e2.8	e1.8	e1.8	e2.8	38	40	131	24	26	20	9.0
24	14	e2.8	e1.8	e1.8	e2.6	36	45	133	23	27	19	7.8
25	10	e2.8	e1.8	e1.8	e2.6	36	53	140	22	27	18	10
26	8.0	e2.6	e1.8	e1.6	e2.8	36	72	153	26	26	17	14
27	7.4	e2.6	e1.8	e1.6	2.8	35	74	155	31	25	17	14
28	11	e2.6	e2.0	e1.6	2.8	30	82	144	27	24	17	13
29	7.8	e2.8	e2.0	e1.6	---	25	85	121	26	24	17	11
30	5.2	e2.8	e2.0	e1.4	---	22	98	98	24	24	17	11
31	5.9	---	e2.0	e1.2	---	23	---	72	---	28	17	---
TOTAL	161.9	83.1	59.5	56.5	66.8	489.3	1338	3544	1039	791	648	380.1
MEAN	5.22	2.77	1.92	1.82	2.39	15.8	44.6	114	34.6	25.5	20.9	12.7
AC-FT	321	165	118	112	132	971	2650	7030	2060	1570	1290	754
MAX	14	5.9	2.6	2.2	3.0	38	98	165	81	29	30	17
MIN	1.1	2.0	1.6	1.2	1.4	2.4	22	40	21	23	17	7.6

CAL YR 2000	TOTAL	8639.1	MEAN	23.6	MAX	211	MIN	1.1	AC-FT	17140
WTR YR 2001	TOTAL	8657.2	MEAN	23.7	MAX	165	MIN	1.1	AC-FT	17170

MAX DISCH: 197 CFS AT 00:00 ON May. 16, 2001 GH 4.82 FT. SHIFT -0.10 FT.  
MAX GH: 4.82 FT. AT 00:00 ON May. 16, 2001

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.  
e-Estimated



## INDEX

### A

ABC LATERAL NEAR MONTROSE.....	175
ALAMOSA CREEK ABOVE TERRACE RESERVOIR .....	143
ALAMOSA CREEK BELOW TERRACE RESERVOIR.....	144
ALVA B. ADAMS TUNNEL AT EAST PORTAL.....	63
ANIMAS RIVER AT HOWARDSVILLE.....	199
ARKANSAS RIVER ABOVE PUEBLO .....	87
ARKANSAS RIVER AT CANON CITY.....	85
ARKANSAS RIVER AT CATLIN DAM, NEAR FOWLER.....	93
ARKANSAS RIVER AT CATLIN DAM, NEAR FOWLER, CO (COMBINED).....	95
ARKANSAS RIVER AT GRANITE.....	77
ARKANSAS RIVER AT LA JUNTA .....	98
ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA, CO.....	92
ARKANSAS RIVER AT PORTLAND.....	86
ARKANSAS RIVER AT SALIDA .....	82
ARKANSAS RIVER below X-Y DITCH DAM nr CARLTON, CO .....	104
ARKANSAS RIVER NEAR NEPESTA .....	91
ARKANSAS RIVER near ROCKY FORD, CO .....	96
ARKANSAS RIVER NEAR WELLSVILLE.....	83
AURORA HOMESTAKE PIPELINE ABOVE ELEVENMILE RESERVOIR .....	56

### B

BEAR CREEK AT MORRISON.....	11
BEAR CREEK AT MOUTH, AT SHERIDAN.....	12
BEAVER CREEK ABOVE BEAVER RESERVOIR .....	20
BERTHOUD PASS DITCH AT BERTHOUD PASS.....	61
BIG SPRING CREEK at MEDANO RANCH .....	140
BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE.....	45
BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE.....	37
BIG THOMPSON RIVER(above Lake Estes) AT ESTES PARK.....	31
BIG THOMPSON RIVER(below Lake Estes) NEAR ESTES PARK .....	33
BLANCO DIVERSION NEAR PAGOSA SPRINGS, CO .....	189
BLUE RIVER AT HIGHWAY 9 BRIDGE BELOW BRECKENRIDGE.....	179
BOB CREEK DITCH NEAR GLENDEVEY, CO.....	69
BOREAS PASS DITCH AT BOREAS PASS.....	58
BOULDER CREEK FEEDER CANAL NEAR LYONS .....	42
BOULDER CREEK NEAR ORODELL.....	23
BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE.....	111
BUCKHORN CREEK NEAR MASONVILLE.....	38
BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA .....	112

### C

CACHE LA POUDDRE RIVER AT MOUTH OF CANYON, NEAR FORT COLLINS .....	46
CACHE LA POUDDRE RIVER NEAR GREELEY .....	47
CAMERON PASS DITCH AT CAMERON PASS.....	65
CARNERO CREEK NEAR LA GARITA.....	141
CATLIN CANAL, NEAR FOWLER .....	94
CHALK CREEK AT NATHROP.....	81
CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON NEAR DRAKE.....	39
CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON RIVER.....	41
CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON NEAR DRAKE.....	40
CHERRY CREEK AT THE MOUTH NEAR RED MESA .....	203
CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR.....	78
CLEAR CREEK AT DERBY .....	15
CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO.....	79
CLOSED BASIN PROJECT CANAL NEAR ALAMOSA .....	124
COAL CREEK NEAR PLAINVIEW .....	27
COLUMBINE DITCH NEAR FREEMONT PASS .....	105

CONEJOS RIVER BELOW PLATORO RESERVOIR .....	154
CONEJOS RIVER NEAR LASAUSES, CO (COMBINED) .....	161
CONEJOS RIVER NEAR LASAUSES, MAIN (NORTH) CHANNEL, CO .....	159
CONEJOS RIVER NEAR LASAUSES, SECONDARY (SOUTH) CHANNEL.....	160
CONEJOS RIVER NEAR MOGOTE.....	155
COTTON CREEK near MINERAL HOT SPRINGS.....	128
COTTONWOOD CREEK AT BUENA VISTA.....	80
COTTONWOOD CREEK near CRESTONE .....	137
CROOKED ARROYO NEAR SWINK .....	97
CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA .....	89
CULEBRA CREEK AT SAN LUIS.....	162

**D**

DEADMAN CREEK near CRESTONE .....	138
DEADMAN DITCH NEAR DEADMAN PARK.....	70
DILLE TUNNEL (EAST PORTAL) NEAR DRAKE .....	36
DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES .....	188
DOLORES TUNNEL OUTLET NEAR DOLORES, CO.....	186
DON LA FONT DITCH NO.2 AT PIEDRA PASS.....	168
DON LA FONT DITCH NO.1 AT PIEDRA PASS.....	167
DON LA FONT DITCH, COMBINED, AT PIEDRA PASS .....	169

**E**

EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA.....	57
EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE.....	62
ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE.....	206
EWING DITCH AT TENNESSEE PASS.....	106

**F**

FISH CREEK NEAR ESTES PARK .....	32
FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO .....	197
FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO.....	198

**G**

GARNER CREEK near VILLA GROVE .....	126
GOOSE CREEK AT WAGONWHEEL GAP .....	117
GRAND RIVER DITCH AT LA POUVRE PASS.....	64
GRAPE CREEK NEAR WESTCLIFFE .....	84

**H**

HAROLD D. ROBERTS TUNNEL NEAR GRANT .....	59
HOMESTAKE TUNNEL NEAR GOLD PARK .....	109
HORSE CREEK at HIGHWAY 194 nr LAS ANIMAS, CO.....	99
HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING .....	88

**K**

KERBER CREEK NEAR VILLA GROVE, CO.....	125
--	-----

**L**

LA GARITA CREEK NEAR LA GARITA.....	142
LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN.....	145
LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO.....	200
LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE .....	207
LA PLATA RIVER AT HESPERUS.....	202
LAKE CREEK ABOVE TWIN LAKES RESERVOIR.....	75
LAKE CREEK BELOW TWIN LAKES .....	76
LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE.....	74
LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE.....	68
LARKSPUR DITCH NEAR MARSHALL PASS.....	113
LEFTHAND DIVERSION AT SO. ST. VRAIN CREEK NEAR WARD .....	19
LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO, CO.....	196



LITTLE OSO DIVERSION NEAR CHROMO, CO .....	195
LITTLE SPRING CREEK AT MEDANO RANCH NEAR MOSCA, CO .....	139
LITTLE THOMPSON RIVER @ CANYON MOUTH NEAR BERTHOUD .....	44
LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES, CO .....	187
LONG HOLLOW AT THE MOUTH NEAR RED MESA .....	204
LOS PINOS RIVER NEAR ORTIZ .....	157
<b>M</b>	
MAJOR CREEK near VILLA GROVE.....	127
MANCOS RIVER NEAR MANCOS .....	208
MICHIGAN DITCH AT CAMERON PASS.....	66
MIDDLE BOULDER CREEK AT NEDERLAND.....	22
MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY, CO .....	17
MUDDY CREEK ABOVE PAONIA RESERVOIR.....	173
MUDDY CREEK BELOW PAONIA RESERVOIR .....	174
<b>N</b>	
NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO .....	192
NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO.....	194
NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE.....	102
NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR.....	115
NORTH CRESTONE CREEK NEAR CRESTONE .....	133
NORTH FORK BIG THOMPSON RIVER AT DRAKE.....	35
NORTH FORK FRYINGPAN RIVER NEAR NORRIE, (WY 1998).....	180
NORTH FORK FRYINGPAN RIVER NEAR NORRIE, (WY 1999).....	181
NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK, AT GRANT .....	6
NORTON DRAIN NEAR LA SAUSES.....	147
<b>O</b>	
OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES .....	34
OSO DIVERSION NEAR CHROMO, CO.....	193
OXFORD FARMERS DITCH NEAR NEPESTA, CO.....	90
<b>P</b>	
PINE RIDGE DITCH NEAR HESPERUS, CO .....	201
PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS.....	171
PINOS CREEK NEAR DEL NORTE .....	120
PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE .....	73
PIONEER DITCH AT HEADGATE NEAR LAIRD .....	72
PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE .....	205
PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE .....	101
PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, CO (COMBINED).....	103
PURGATORIE RIVER AT TRINIDAD, CO.....	100
<b>R</b>	
REDLANDS CANAL NEAR GRAND JUNCTION .....	177
RIO BLANCO AT MOUTH NEAR TRUJILLO .....	191
RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS .....	190
RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK, NEAR LASAUSES .....	148
RIO GRANDE AT ALAMOSA .....	123
RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO .....	122
RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE.....	114
RIO GRANDE NEAR DEL NORTE.....	119
RIO GRANDE NEAR LOBATOS .....	163
RIO GRANDE NEAR MONTE VISTA.....	121
RIO GRANDE RIVER at WAGONWHEEL GAP, CO.....	116
RITO ALTO CREEK NEAR CRESTONE .....	130
ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN.....	182
ROCKY FORK CREEK NEAR MEREDITH.....	184
ROCKY FORK CREEK NEAR MEREDITH, (WY 2000).....	183

**S**

SAGUACHE CREEK NEAR SAGUACHE .....	132
SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA .....	158
SAN ANTONIO RIVER AT ORTIZ .....	156
SAN ISABEL CREEK near CRESTONE .....	131
SANGRE DE CRISTO CREEK NEAR FORT GARLAND .....	151
SKYLINE DITCH NEAR CHAMBERS LAKE .....	67
SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK .....	24
SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS .....	25
SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS .....	26
SOUTH CANAL NEAR MONTROSE .....	176
SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES .....	146
SOUTH CRESTONE CREEK near CRESTONE .....	134
SOUTH FORK RIO GRANDE AT SOUTH FORK .....	118
SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR .....	1
SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR, NEAR HARTS .....	3
SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR .....	2
SOUTH PLATTE RIVER AT BALZAC .....	50
SOUTH PLATTE RIVER AT DENVER .....	13
SOUTH PLATTE RIVER AT HENDERSON .....	16
SOUTH PLATTE RIVER AT JULESBURG .....	54
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 1 .....	52
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 2 .....	51
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 4 .....	53
SOUTH PLATTE RIVER AT SOUTH PLATTE .....	7
SOUTH PLATTE RIVER AT WATERTON .....	9
SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR .....	10
SOUTH PLATTE RIVER BELOW CHEESMAN LAKE .....	5
SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR .....	8
SOUTH PLATTE RIVER NEAR KERSEY .....	48
SOUTH PLATTE RIVER NEAR WELDONA .....	49
SOUTH PLATTE RIVER(below Elevenmile Reservoir) NEAR LAKE GEORGE .....	4
SOUTH ST. VRAIN CREEK NEAR WARD .....	18
SPANISH CREEK near CRESTONE .....	136
ST. VRAIN CREEK AT LYONS .....	21
ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE .....	28
ST. VRAIN SUPPLY CANAL NEAR LYONS .....	43
STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL .....	14

**T**

TABOR DITCH AT SPRING CREEK PASS .....	165
TARBELL DITCH NEAR COCHETOPA PASS .....	164
TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO .....	55
TREASURE PASS DITCH AT WOLF CREEK PASS .....	166
TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR .....	150
TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND .....	149
TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA .....	153
TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES .....	110

**U**

UNCOMPAHGRE RIVER NEAR OLATHE .....	178
UTE CREEK NEAR FORT GARLAND .....	152

**V**

VIDLER TUNNEL NEAR ARGENTINE PASS .....	60
---	----

**W**

WALTON CREEK NEAR STEAMBOAT SPRINGS, CO .....	185
WEMINUCHE PASS DITCH AT WEMINUCHE PASS .....	172
WILD CHERRY CREEK near CRESTONE .....	129

WILLIAMS CREEK-SQUAW PASS DITCH AT SQUAW PASS.....170  
WILLOW CREEK near CRESTONE.....135  
WILSON SUPPLY DITCH NEAR EATON RESERVOIR.....71  
WIND RIVER BY-PASS NEAR ESTES PARK, CO. ....30  
WIND RIVER NEAR ESTES PARK .....29  
WURTZ DITCH EXTENSION NEAR LEADVILLE .....108  
WURTZ DITCH NEAR TENNESSEE PASS.....107