



STREAM FLOW DATA for COLORADO

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Water Year 2005



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PLATTE RIVER BASIN

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR

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

DRAINAGE AREA.--N/A

GAGE.--Concrete shelter and well with satellite monitoring (DCP and shaft encoder) and a continuous chart recorder at a sharp-crested Cipolletti weir with broad-crested concrete overflow walls. Primary reference gage is an electric tape. Gage is owned and maintained by the Denver Water Dept.

REMARKS.--Primary record at the gage is hourly data taken from satellite readings, with chart record backup. The chart agrees with the satellite data within 0.02 ft. The record is complete and reliable, except for the following period: a correction of -0.07, due to the formation of moss on the weir blade, was made on July 26, 2005. This correction was distributed back hourly in such a way as to keep the flow constant and nearly 4 cfs. The blade was periodically cleaned by Denver Water personnel, but since no records were made of these cleanings, no more exact distribution was possible. Record is good, except for July 16-26 which is fair due to moss accumulation on the weir blade. Station operated and record developed by Garver Brown.

RATING TABLE.--MOD10FTCIP USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	8	5	4.2	4.7	4.2	4.6	3.7	4.5	4.6	4.9	4.2
2	11	7.9	5	4.2	4.7	4.2	4.7	3.7	4.4	4.6	4.7	4.2
3	9.9	7.6	5	4.2	4.7	4.3	4.7	3.5	4.5	4.5	4.7	4.2
4	10	9	5	4.2	4.7	3.3	4.6	3.5	4.5	4.2	4.7	4.2
5	11	9.6	5	4.2	4.7	3.1	4.7	3.5	4.7	4.5	4.7	4.2
6	10	10	5	4.2	4.7	4	4.6	3.5	4.7	4.5	4.7	4.2
7	11	8.1	5	4.3	4.7	4.4	4.6	3.4	4.4	4.5	4.7	4.2
8	11	8.5	5.1	4.2	4.4	4.1	4.4	4.4	3.7	4.5	4.7	4.2
9	10	5.5	5	4.2	4.2	4.1	4.4	5	3.9	4.7	3.5	4.2
10	9.3	6.1	5.1	4.2	4.2	4.1	4.4	4.9	3.9	4.7	3.8	4.1
11	9.3	6.2	5.2	4.2	4.2	4.1	4.4	4.5	4	4.2	3.9	4
12	8.7	5.4	5.2	4.4	4.2	3.8	4.5	3.6	3.9	4	3.9	4.1
13	10	5.8	5.3	4.4	4.2	3.6	4.3	3.5	3.8	4	3.9	4
14	14	5.6	5.3	4.5	4.2	3.7	4.2	3.5	3.9	4	3.9	4
15	12	5	4.8	4.4	4.2	3.7	4.2	3.5	3.8	4	3.9	4
16	13	5	5	4.5	4.2	3.6	4.2	3.5	4.7	4	3.9	4
17	11	5	5	4.5	4.2	4.3	4.2	3.4	5	4	3.8	4
18	9.3	5.3	3.9	4.5	4.2	4.5	4.1	3.4	5	4	4	4
19	9	5.3	3.7	4.5	4.2	4.5	3.8	3.8	4.8	4	4	4
20	9.2	5.3	4.3	4.5	4.2	4.6	3.6	5.4	4.7	3.9	3.9	4
21	9.1	5.5	4.4	4.5	4.2	4.5	3.7	6.1	4.7	4	4	4
22	8.3	5.5	4.5	4.5	4.2	4.6	3.7	5.4	4.7	3.9	3.9	4
23	7.9	4.8	4.5	4.5	4.2	4.6	3.7	4.8	4.7	4	3.8	4
24	9.7	3.7	4.5	4.5	4.2	4.7	3.9	4.6	4.7	4	4	4
25	9.9	3.7	4.5	4.5	4.2	4.7	3.9	3.7	4.6	4	4.8	4
26	9.8	3.7	4.5	4.5	4.3	4.7	3.8	3.6	4.5	3.9	4.3	4
27	10	3.7	4.5	4.5	4.3	4.7	3.8	4.1	4.4	3.9	4.2	4
28	10	3.7	4.4	4.7	4.2	4.6	3.8	4.6	4.4	4.4	4.2	4
29	7.5	4.3	4.3	4.7	---	4.7	3.7	4.4	4.5	5	4.2	4
30	7.2	5	4.2	4.7	---	4.7	3.7	4.4	4.5	4.7	4.2	4
31	9.9	---	4.2	4.7	---	4.7	---	4.5	---	4.7	4.2	---
TOTAL	309	177.8	146.4	136.8	121.5	131.4	124.9	127.4	132.5	131.9	130	122
MEAN	10	5.9	4.7	4.4	4.3	4.2	4.2	4.1	4.4	4.3	4.2	4.1
AC-FT	613	353	290	271	241	261	248	253	263	262	258	242
MAX	14	10	5.3	4.7	4.7	4.7	4.7	6.1	5	5	4.9	4.2
MIN	7.2	3.7	3.7	4.2	4.2	3.1	3.6	3.4	3.7	3.9	3.5	4

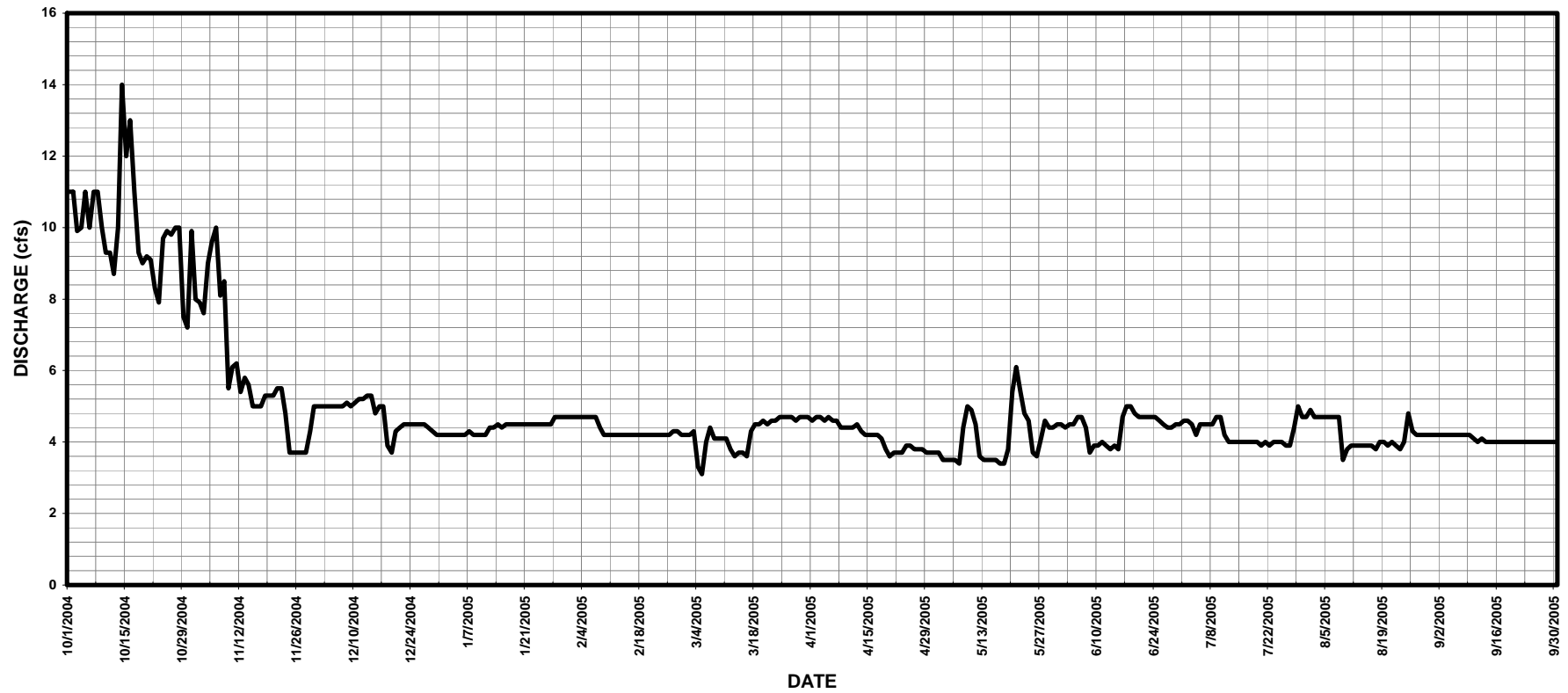
WTR YR 2005 TOTAL 1791.6 MEAN 4.91 MAX 14 MIN 3.1 AC-FT 3550

MAX DISCH: 52.8 CFS AT 08:10 ON June 16, 2005 GH 1.35 FT. SHIFT 0 FT.

MAX GH: 1.35 FT. AT 08:10 ON June 16, 2005

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

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR CO
WY2005 HYDROGRAPH



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 and satellite monitoring (DCP and shaft encoder) at a 25-foot concrete Parshall flume with a wooden shelter and concrete well with inside electric tape gage and in-flume staff gage. Gage is operated and equipment is maintained by the city of Aurora.

REMARKS.--Record is taken from hourly satellite readings and is complete except for November 16, 2004 to April 11, 2005 when the station was closed for the winter. Gage height was affected by ice during the periods of October 31 to November 7 and November 14 & 15. The record is good, except for November 3-7, and 14, which are fair, due to possible ice effect, and October 31-November 2 and November 15 to April 10, which are estimated and poor. Station operated and record developed by Garver Brown.

RATING TABLE.--STD25FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

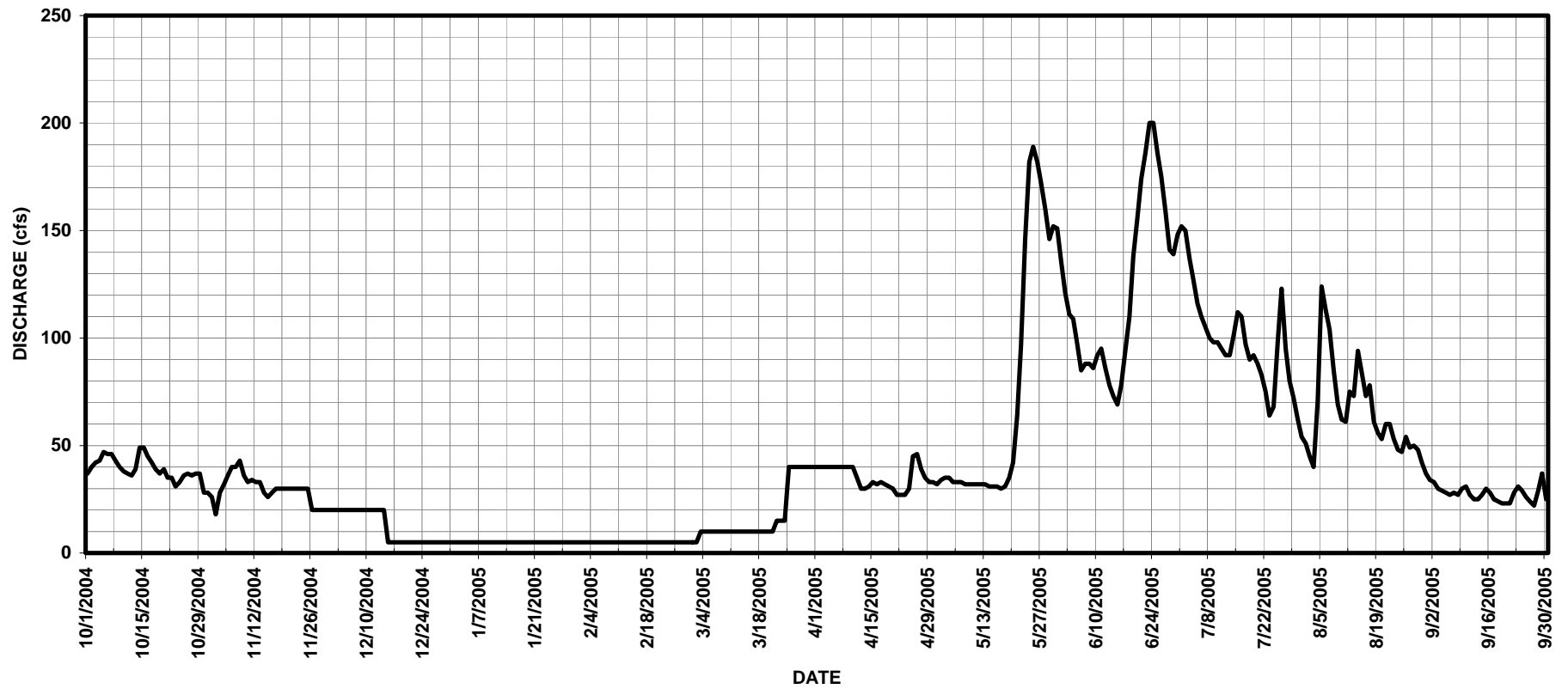
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	26	20	5	5	5	40	32	136	152	51	34
2	40	18	20	5	5	5	40	34	121	150	45	33
3	42	28	20	5	5	10	40	35	111	137	40	30
4	43	32	20	5	5	10	40	35	109	127	71	29
5	47	36	20	5	5	10	40	33	97	116	124	28
6	46	40	20	5	5	10	40	33	85	110	113	27
7	46	40	20	5	5	10	40	33	88	105	104	28
8	43	43	20	5	5	10	40	32	88	100	85	27
9	40	36	20	5	5	10	40	32	86	98	69	30
10	38	33	20	5	5	10	40	32	92	98	62	31
11	37	34	20	5	5	10	35	32	95	95	61	27
12	36	33	20	5	5	10	30	32	86	92	75	25
13	39	33	20	5	5	10	30	32	78	92	73	25
14	49	28	20	5	5	10	31	31	73	101	94	27
15	49	26	5	5	5	10	33	31	69	112	84	30
16	45	28	5	5	5	10	32	31	78	110	73	28
17	42	30	5	5	5	10	33	30	94	97	78	25
18	39	30	5	5	5	10	32	31	110	90	61	24
19	37	30	5	5	5	10	31	35	138	92	56	23
20	39	30	5	5	5	10	30	42	156	88	53	23
21	35	30	5	5	5	10	27	64	174	83	60	23
22	35	30	5	5	5	15	27	97	186	75	60	28
23	31	30	5	5	5	15	27	146	200	64	53	31
24	33	30	5	5	5	15	30	182	200	68	48	29
25	36	30	5	5	5	40	45	189	186	98	47	26
26	37	20	5	5	5	40	46	182	175	123	54	24
27	36	20	5	5	5	40	39	172	159	95	49	22
28	37	20	5	5	5	40	35	160	141	80	50	29
29	37	20	5	5	---	40	33	146	139	72	48	37
30	28	20	5	5	---	40	33	152	148	62	42	25
31	28	---	5	5	---	40	---	151	---	54	37	---
TOTAL	1207	884	365	155	140	525	1059	2299	3698	3036	2020	828
MEAN	39	30	11.8	5	5	16.9	35	74	123	98	65	28
AC-FT	2390	1750	724	307	278	1040	2100	4560	7330	6020	4010	1640
MAX	49	43	20	5	5	40	46	189	200	152	124	37
MIN	28	18	5	5	5	5	27	30	69	54	37	22

WTR YR 2005 TOTAL 16216 MEAN 44.4 MAX 200 MIN 5 AC-FT 32160

MAX DISCH: 215 CFS AT 19:30 ON Jun. 23, 2005 GH 1.63 FT. SHIFT 0.04 FT.
MAX GH: 1.63 FT. AT 19:30 ON Jun. 23, 2005

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

06694920 SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR CO
WY2005 HYDROGRAPH



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 mi²; 1933 to present.

GAGE.--Water-stage recorder with satellite telemetry (DCP and shaft encoder) in a wooden shelter at a 25 ft. 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. Spinney Reservoir is 2 miles upstream. Spinney release keeps this gage open year round. On November 26, 27, 29, 30 and December 1, 2, 3, 8, 20, 21, and 25 some hourly gage height values were corrected because of ice affect. The record is good, except days of ice affected record which are considered poor. Station operated and record developed by Garver Brown.

RATING TABLE.--STD25FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

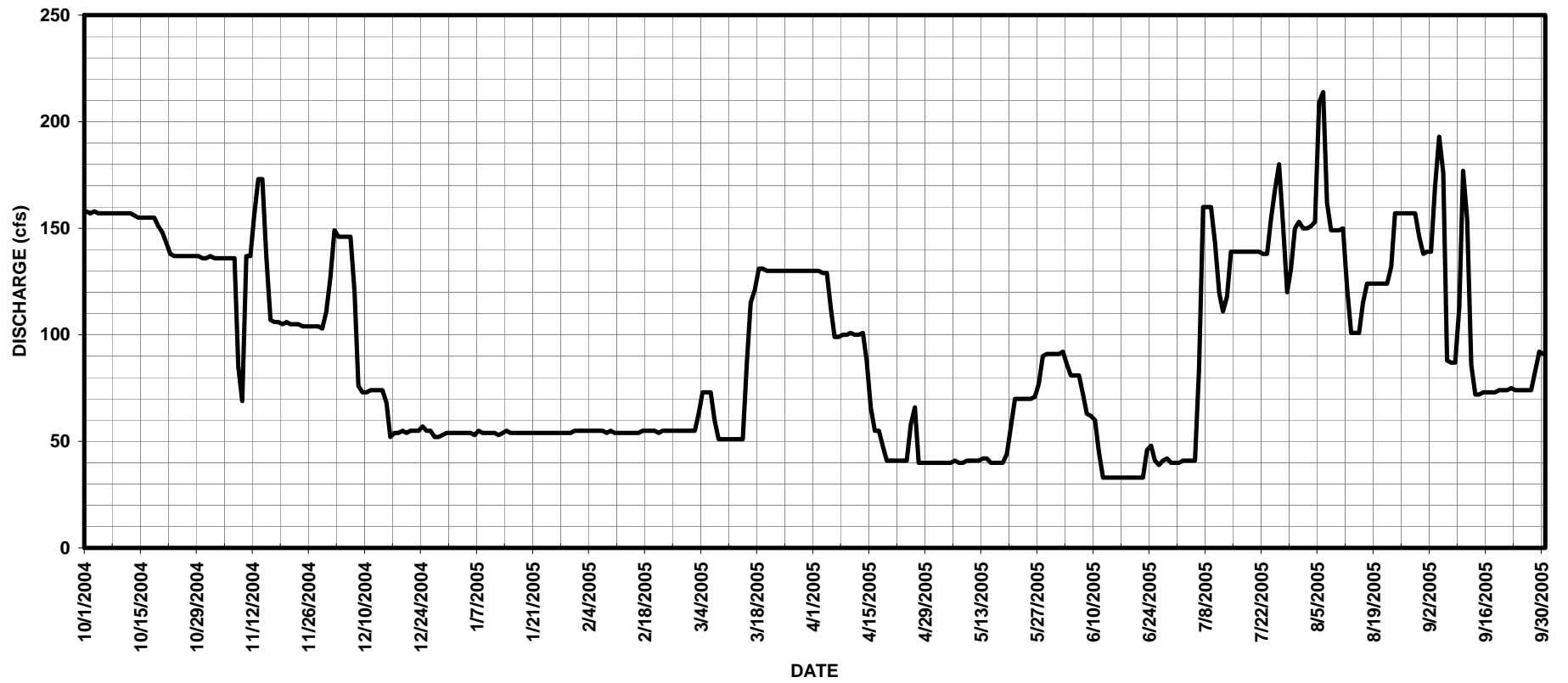
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	137	127	54	55	55	130	40	91	40	150	139
2	157	136	149	54	55	55	130	40	92	41	150	139
3	158	136	146	54	55	63	129	40	86	41	151	170
4	157	136	146	54	55	73	129	40	81	41	153	193
5	157	136	146	54	55	73	112	40	81	41	209	176
6	157	136	146	53	55	73	99	41	81	84	214	88
7	157	136	120	55	55	60	99	40	72	160	162	87
8	157	85	76	54	54	51	100	40	63	160	149	87
9	157	69	73	54	55	51	100	41	62	160	149	113
10	157	137	73	54	54	51	101	41	60	143	149	177
11	157	137	74	54	54	51	100	41	45	120	150	154
12	157	156	74	53	54	51	100	41	33	111	122	86
13	156	173	74	54	54	51	101	42	33	118	101	72
14	155	173	74	55	54	51	88	42	33	139	101	72
15	155	136	68	54	54	87	66	40	33	139	101	73
16	155	107	52	54	54	115	55	40	33	139	115	73
17	155	106	54	54	55	121	55	40	33	139	124	73
18	155	106	54	54	55	131	48	40	33	139	124	73
19	151	105	55	54	55	131	41	44	33	139	124	74
20	148	106	54	54	55	130	41	57	33	139	124	74
21	143	105	55	54	54	130	41	70	33	139	124	74
22	138	105	55	54	55	130	41	70	33	138	124	75
23	137	105	55	54	55	130	41	70	46	138	132	74
24	137	104	57	54	55	130	41	70	48	155	157	74
25	137	104	55	54	55	130	58	70	41	168	157	74
26	137	104	55	54	55	130	66	71	39	180	157	74
27	137	104	52	54	55	130	40	77	41	151	157	74
28	137	104	52	54	55	130	40	90	42	120	157	83
29	137	103	53	54	---	130	40	91	40	131	157	92
30	136	111	54	54	---	130	40	91	40	150	146	91
31	136	---	54	55	---	130	---	91	---	153	138	---
TOTAL	4628	3598	2432	1675	1531	2954	2272	1691	1514	3856	4428	2978
MEAN	149	120	79	54	55	95	76	55	51	124	143	99
AC-FT	9180	7140	4820	3320	3040	5860	4510	3350	3000	7650	8780	5910
MAX	158	173	149	55	55	131	130	91	92	180	214	193
MIN	136	69	52	53	54	51	40	40	33	40	101	72

WTR YR 2005 TOTAL 33557 MEAN 91.9 MAX 214 MIN 33 AC-FT 66560

MAX DISCH: 262 CFS AT 13:15 ON Aug. 5, 2005 GH 1.87 FT. SHIFT 0.02 FT.
MAX GH: 1.87 FT. AT 13:15 ON Aug. 5, 2005

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

06695000 SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR NEAR HARTSEL CO
WY2005 HYDROGRAPH



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 mi². October 1929 to current year. Monthly data only for some periods.

GAGE.--Water-stage recorder and satellite monitoring (DCP and shaft encoder)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. A 10-foot rectangular bypass channel is located beside the upper right wingwall of the 15-foot Parshall. The channel is normally kept closed by boards. At a gage height of 3.26 in the Parshall, water reaches the floor of the bypass channel. During the period Aug. 8-Sept. 26, 2005, the shelter was replace by a concrete structure and a Sutron SatLink 2 Logger was installed.

REMARKS.--Record is taken from hourly satellite data and is complete and reliable for the period of operation. All telemetry was removed during the replacement of the gage house (August 8, 2005-September 26, 2005) and therefore there is no gage height record for this period. The record is good, except August 8, 2005 to September 26, 2005, which is estimated and considered poor. Station operated and record developed by Garver Brown.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	37	38	56	59	56	124	36	55	22	124	125
2	83	38	38	55	58	58	124	37	54	21	123	122
3	83	38	37	55	58	58	124	38	57	21	124	123
4	83	38	38	56	59	58	125	38	60	19	134	129
5	83	38	41	57	58	60	125	37	58	17	145	132
6	82	38	49	57	57	61	120	38	59	18	160	132
7	82	38	56	56	58	62	118	38	58	26	159	127
8	82	38	59	56	57	60	117	36	53	35	154	114
9	82	38	59	56	57	59	112	33	52	46	151	109
10	82	38	60	56	57	58	114	32	50	57	150	113
11	82	38	61	56	57	57	116	31	51	62	155	112
12	81	38	61	56	57	56	112	30	53	65	152	104
13	81	38	62	56	57	54	110	28	46	67	149	92
14	82	38	64	55	55	55	109	28	37	71	134	85
15	81	39	64	55	54	57	103	29	36	77	125	79
16	82	39	65	55	53	61	98	29	34	84	125	79
17	81	38	64	55	54	66	93	31	32	86	123	72
18	60	38	63	55	54	71	90	28	29	88	123	68
19	37	38	62	54	55	77	86	27	27	94	121	63
20	38	38	62	54	55	83	80	33	25	97	120	61
21	38	39	60	55	54	88	76	39	25	98	125	62
22	38	39	60	55	54	91	61	40	25	99	126	67
23	37	39	59	55	55	95	47	42	26	102	104	66
24	37	38	59	55	55	99	47	43	28	110	125	62
25	38	38	58	55	55	103	50	42	27	128	127	60
26	38	38	58	55	55	107	45	42	28	134	131	58
27	38	38	58	55	56	111	44	42	26	136	133	58
28	37	38	57	55	55	112	43	46	25	132	133	59
29	37	38	57	55	---	113	38	48	25	126	133	62
30	37	38	58	58	---	116	38	53	23	123	131	64
31	37	---	57	59	---	123	---	55	---	123	126	---
TOTAL	1942	1144	1744	1723	1568	2385	2689	1149	1184	2384	4145	2659
MEAN	63	38	56	56	56	77	90	37	40	77	134	89
AC-FT	3850	2270	3460	3420	3110	4730	5330	2280	2350	4730	8220	5270
MAX	83	39	65	59	59	123	125	55	60	136	160	132
MIN	37	37	37	54	53	54	38	27	23	17	104	58

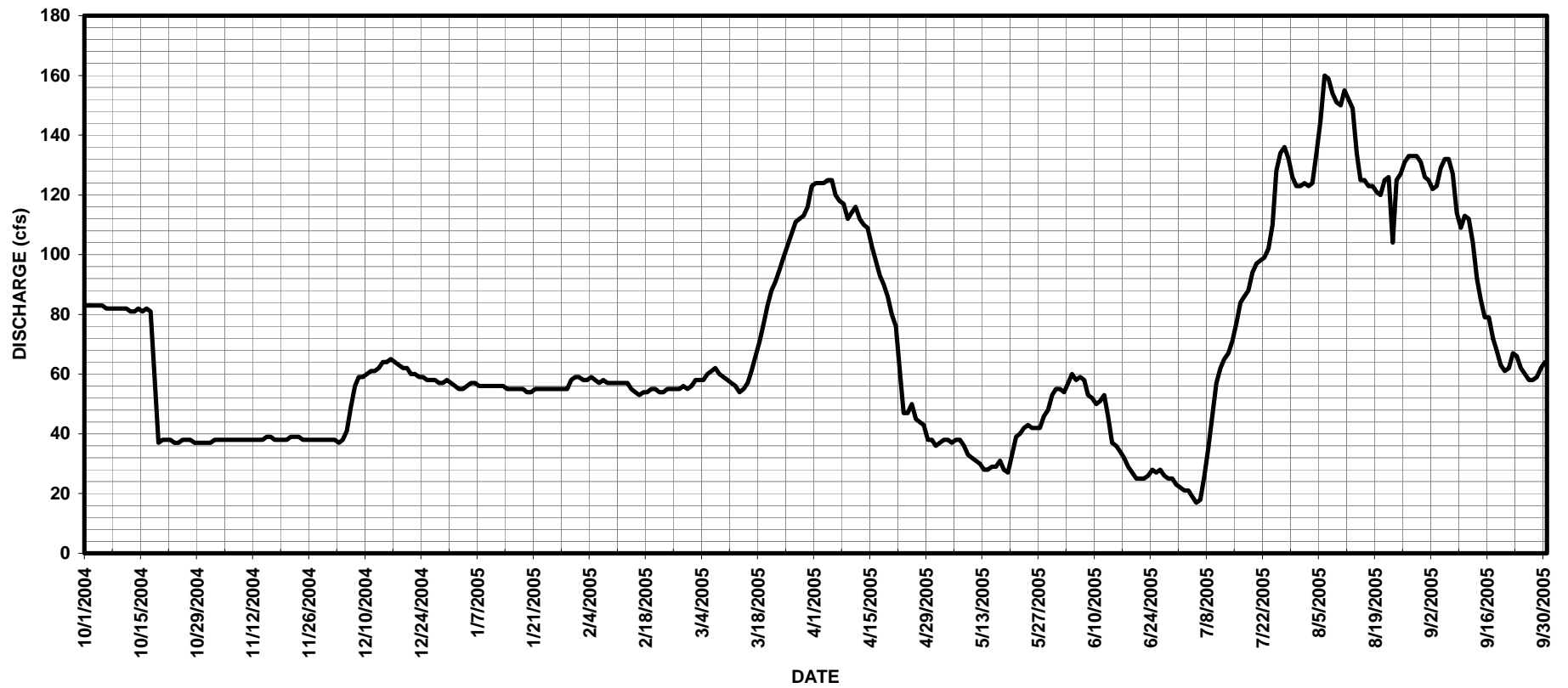
WTR YR 2005 TOTAL 24716 MEAN 67.7 MAX 160 MIN 17 AC-FT 49020

MAX DISCH: 164 CFS AT 12:30 ON Aug. 6, 2005 GH 1.9 FT. SHIFT 0.02 FT.

MAX GH: 1.9 FT. AT 12:30 ON Aug. 6, 2005

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

06696000 SOUTH PLATTE RIVER(below Elevenmile Reservoir) NEAR LAKE GEORGE CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

06699005 TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON, CO

LOCATION.--Lat. 39°17'13", Long. 105°41'43", in the NW ¼ of the NW ¼ of Sec. 8, T. 9 S., R. 74 W., Park County, Hydrologic unit 10190001, on left bank 1800 ft. downstream from Rock Creek, 9 mi. southeast of Jefferson and 1.0 mi. northwest of Bordenville.

DRAINAGE AREA AND PERIOD OF RECORD.--230 mi². Apr. 26, 1983 (no previous gage at this site). Operation discontinued by USGS 9-30-97. Taken over by Colorado Division of Water Resources.

GAGE.--Shaft encoder and satellite monitoring DCP in a in a metal shelter on an 18-inch metal well. Well is connected to stream by one 2-in. intake. Altitude of gage is 9020 ft, from USGS topographic map. Station is maintained by the City of Aurora.

REMARKS.--Record is taken from hourly satellite readings and is complete and reliable for April 20, 2005 to September 30, 2005 when the gage was operational. The record for WY2005 is a partial year record. During the period from August 24, 2005 to September 2, 2005, data is complete but should be considered unreliable because the shaft encoder float was silted in. A shaft encoder correction of -0.09 was made on May 10, 2005, and applied back to 12:30 on April 20, 2005, when it was noted that the encoder made a sudden increase of +0.09. The record is good for the entire period of operation, except for August 24, 2005 - September 2, 2005 and April 19, 2005, which is estimated and fair. Station operated and record developed by Garver Brown.

RATING TABLE.--TARBORCO04 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

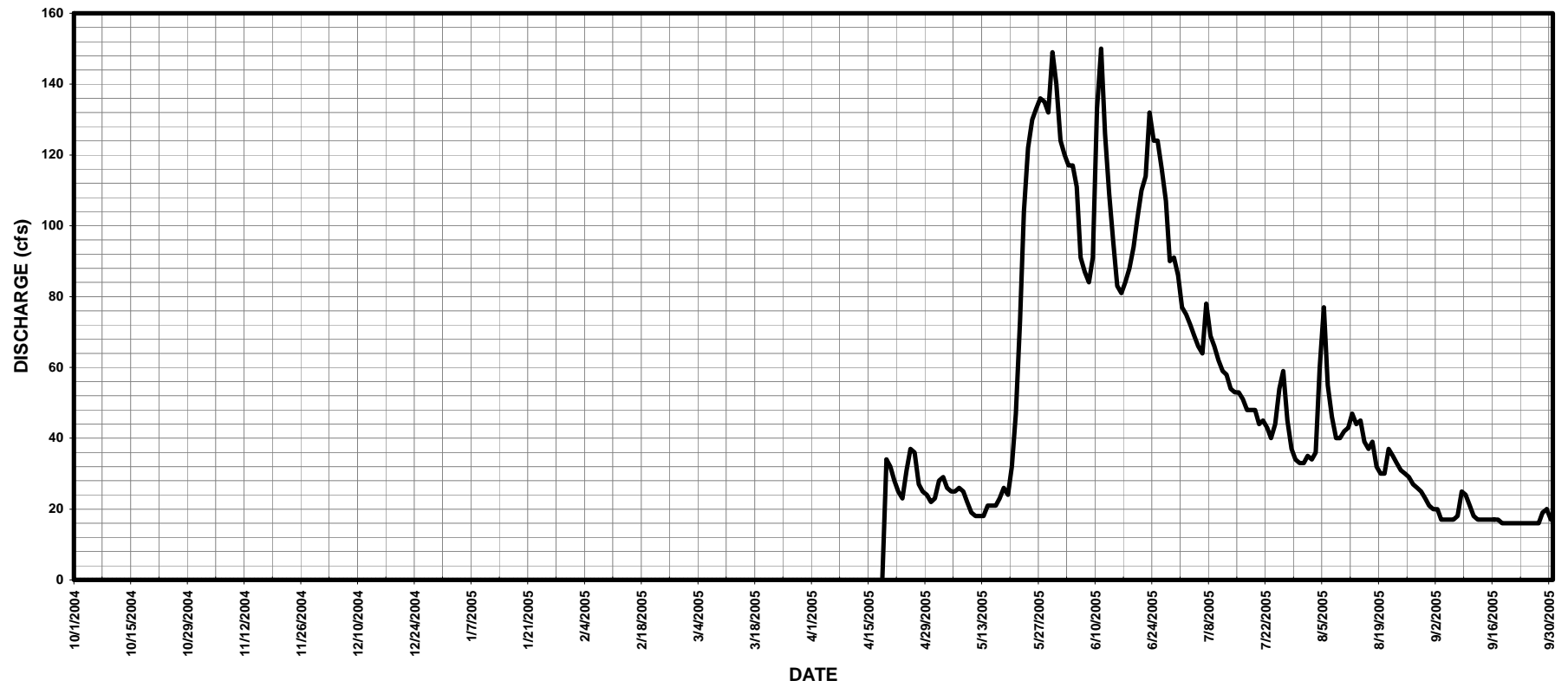
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-	-	-	-	-	-	-	23	124	77	35	20
2	-	-	-	-	-	-	-	28	120	75	34	20
3	-	-	-	-	-	-	-	29	117	72	36	17
4	-	-	-	-	-	-	-	26	117	69	60	17
5	-	-	-	-	-	-	-	25	111	66	77	17
6	-	-	-	-	-	-	-	25	91	64	55	17
7	-	-	-	-	-	-	-	26	87	78	46	18
8	-	-	-	-	-	-	-	25	84	69	40	25
9	-	-	-	-	-	-	-	22	91	66	40	24
10	-	-	-	-	-	-	-	19	133	62	42	21
11	-	-	-	-	-	-	-	18	150	59	43	18
12	-	-	-	-	-	-	-	18	126	58	47	17
13	-	-	-	-	-	-	-	18	109	54	44	17
14	-	-	-	-	-	-	-	21	96	53	45	17
15	-	-	-	-	-	-	-	21	83	53	39	17
16	-	-	-	-	-	-	-	21	81	51	37	17
17	-	-	-	-	-	-	-	23	84	48	39	17
18	-	-	-	-	-	-	-	26	88	48	32	16
19	-	-	-	-	-	-	34	24	94	48	30	16
20	-	-	-	-	-	-	32	32	102	44	30	16
21	-	-	-	-	-	-	28	47	110	45	37	16
22	-	-	-	-	-	-	25	73	114	43	35	16
23	-	-	-	-	-	-	23	104	132	40	33	16
24	-	-	-	-	-	-	31	122	124	44	31	16
25	-	-	-	-	-	-	37	130	124	54	30	16
26	-	-	-	-	-	-	36	133	116	59	29	16
27	-	-	-	-	-	-	27	136	107	45	27	16
28	-	-	-	-	-	-	25	135	90	37	26	19
29	-	-	-	-	---	-	24	132	91	34	25	20
30	-	-	-	-	---	-	22	149	86	33	23	17
31	-	---	-	-	---	-	---	140	---	33	21	---
TOTAL	-	-	-	-	-	-	344	1771	3182	1681	1168	532
MEAN	-	-	-	-	-	-	11.5	57	106	54	38	18
AC-FT	-	-	-	-	-	-	682	3510	6310	3330	2320	1060
MAX	-	-	-	-	-	-	37	149	150	78	77	25
MIN	-	-	-	-	-	-	22	18	81	33	21	16

WTR YR 2005 TOTAL 8678 MEAN 23.8 MAX 150 MIN - AC-FT 17210 (PARTIAL YEAR RECORD)

MAX DISCH: 179 CFS AT 00:30 ON Jun. 11, 2005 GH 3.49 FT. SHIFT 0.21 FT.
MAX GH: 3.49 FT. AT 00:30 ON Jun. 11, 2005

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

06699005 TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

TARRYALL CREEK BELOW TARRYALL RESERVOIR, CO

LOCATION.-- Lat. 39° 13' 18", Long. 105° 36' 07"; in SW1/4 of sec 31, T. 9S, R. 73W, Park County, about 500 ft. downstream from Tarryall Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.-- 355 sq. mi., from DWR Dam Safety Section database. Age of the gage is not known, although the reservoir was built in 1929. DWR first ran levels in June of 1975, and installation in 1970's is consistent with the type of materials used. The gage has been operated infrequently and records have never been kept prior to 2005. The gage was activated with satellite monitoring for the 2005 water year.

GAGE.--HDR Satellite monitoring in a 36" CMP shelter and cast iron well, located on the right downstream abutment of a bridge on Park County Road 77. Gage is operated and equipment is maintained by the Colorado Division of Water Resources under a cooperative agreement with the Colorado Division of Wildlife, the owner of Tarryall Reservoir. There is an inside reference tape and a staff gage on the center abutment of the bridge. Elevation of gage is 8800 ft. from topographic map.

REMARKS.--Record is taken from hourly (every 15 minute) satellite readings and is complete and reliable except for November 3, 2004 to March 25, 2005 when the station was closed for the winter. The record is comprised of DCP data only. Encoder calibration was checked with 17 visits by DWR personnel while the gage was open. The record is good during the period of operation, except for March 25, 2005 which is estimated and poor. Station operated and record developed by Garver Brown.

RATING TABLE.--TARTARCO02 USED FROM 01-OCT-2004 TO 03-NOV-2004

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

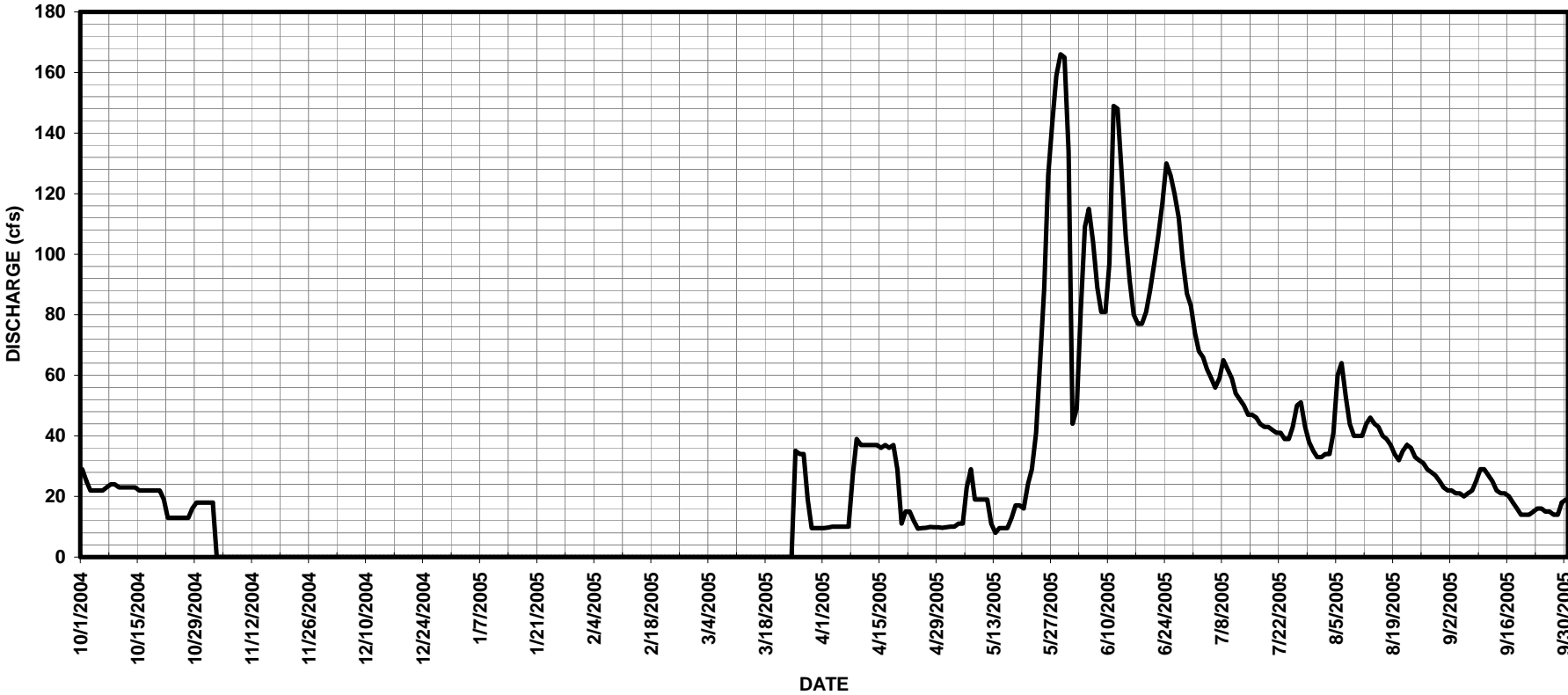
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	18	-	-	-	-	9.5	9.8	44	74	33	22
2	25	18	-	-	-	-	9.7	10	49	68	34	22
3	22	-	-	-	-	-	10	10	81	66	34	21
4	22	-	-	-	-	-	10	11	109	62	41	21
5	22	-	-	-	-	-	10	11	115	59	60	20
6	22	-	-	-	-	-	10	23	104	56	64	21
7	23	-	-	-	-	-	10	29	89	59	53	22
8	24	-	-	-	-	-	27	19	81	65	44	25
9	24	-	-	-	-	-	39	19	81	62	40	29
10	23	-	-	-	-	-	37	19	97	59	40	29
11	23	-	-	-	-	-	37	19	149	54	40	27
12	23	-	-	-	-	-	37	11	148	52	44	25
13	23	-	-	-	-	-	37	8	126	50	46	22
14	23	-	-	-	-	-	37	9.5	106	47	44	21
15	22	-	-	-	-	-	36	9.5	91	47	43	21
16	22	-	-	-	-	-	37	9.5	80	46	40	20
17	22	-	-	-	-	-	36	13	77	44	39	18
18	22	-	-	-	-	-	37	17	77	43	37	16
19	22	-	-	-	-	-	29	17	81	43	34	14
20	22	-	-	-	-	-	11	16	88	42	32	14
21	19	-	-	-	-	-	15	24	97	41	35	14
22	13	-	-	-	-	-	15	29	106	41	37	15
23	13	-	-	-	-	-	12	41	117	39	36	16
24	13	-	-	-	-	-	9.4	64	130	39	33	16
25	13	-	-	-	-	35	9.5	89	126	43	32	15
26	13	-	-	-	-	34	9.6	126	120	50	31	15
27	13	-	-	-	-	34	9.9	144	112	51	29	14
28	16	-	-	-	-	19	9.8	159	98	43	28	14
29	18	-	-	-	---	9.5	9.8	166	87	38	27	18
30	18	-	-	-	---	9.5	9.6	165	83	35	25	19
31	18	---	-	-	---	9.5	---	134	---	33	23	---
TOTAL	627	36	-	-	-	150.5	615.8	1431.3	2949	1551	1178	586
MEAN	20	1.2	-	-	-	4.85	20.5	46.2	98	50	38	20
AC-FT	1240	71	-	-	-	299	1220	2840	5850	3080	2340	1160
MAX	29	18	-	-	-	35	39	166	149	74	64	29
MIN	13	-	-	-	-	-	9.4	8	44	33	23	14

WTR YR 2005 TOTAL 9124.6 MEAN 25 MAX 166 MIN - AC-FT 18100 (PARTIAL YEAR RECORD)

MAX DISCH: 168 CFS AT 15:00 ON May. 28, 2005 GH 3.46 FT. SHIFT -0.05 FT.
MAX GH: 3.46 FT. AT 15:00 ON May. 28, 2005

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

TARRYALL CREEK BELOW TARRYALL RESERVOIR CO
WY2005 HYDROGRAPH



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 mi². Oct.1, 1924-May 13, 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. Missing DCP data were filled in using the chart data on 4/3/05, 7/16/05, and 9/19-9/20/05. Shaft encoder corrections were applied 9/15/05-10/20/05 and 11/15/05 - 12/7/05. The record is reliable and complete. The record is considered good. Station maintained and record developed by Steve Barrett.

RATING TABLE.--PLACHECO11 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

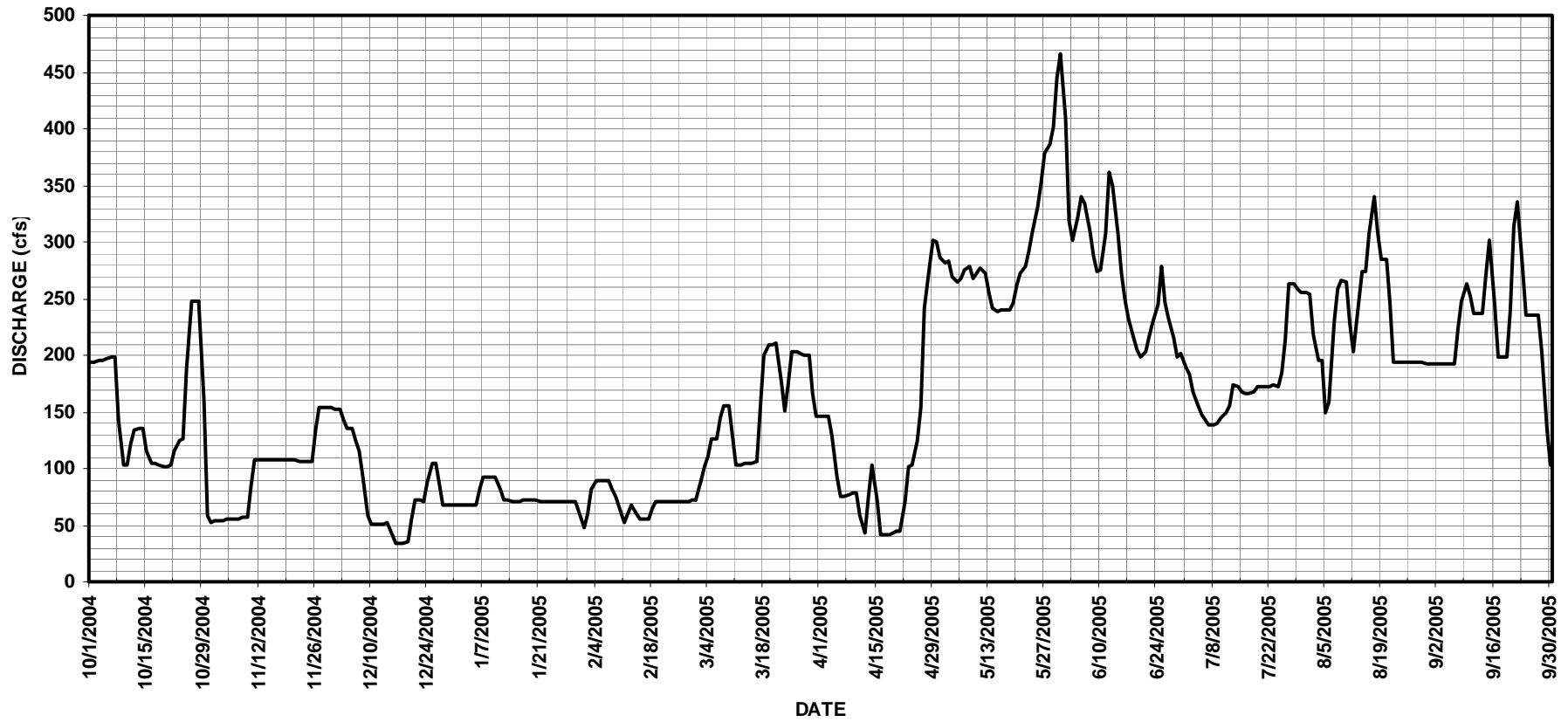
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	54	153	68	47	72	146	286	409	189	254	192
2	194	54	152	68	60	90	146	282	319	183	218	192
3	195	54	143	68	81	101	146	283	302	167	196	192
4	196	55	136	68	90	111	130	270	322	155	196	192
5	197	56	136	68	89	126	93	264	340	148	150	192
6	198	56	124	81	89	126	76	267	334	143	159	192
7	198	56	115	92	89	144	76	276	310	139	230	223
8	143	57	94	92	81	156	77	279	287	138	259	247
9	103	57	59	92	75	156	78	268	274	140	266	263
10	103	84	51	92	62	129	79	272	276	144	264	252
11	121	107	51	81	53	103	59	277	307	149	227	237
12	134	108	51	73	60	103	43	272	362	155	203	237
13	136	108	51	72	67	104	75	255	350	174	246	237
14	136	108	52	71	60	104	103	241	307	172	274	271
15	115	108	41	71	56	105	73	238	273	168	274	301
16	104	108	34	71	56	106	42	240	249	166	307	244
17	104	108	34	72	56	154	42	240	233	166	340	198
18	103	108	34	72	65	200	42	240	215	168	307	198
19	101	108	35	72	71	209	43	246	204	172	284	198
20	102	108	56	72	71	209	44	261	198	172	284	240
21	103	107	73	71	71	211	44	272	203	172	246	314
22	115	106	72	71	71	177	71	278	217	173	194	336
23	124	106	71	71	71	151	101	293	229	174	194	278
24	126	106	87	71	71	176	103	309	245	173	194	235
25	188	106	104	71	71	203	124	331	279	184	194	235
26	248	134	104	71	71	203	154	352	246	214	194	235
27	247	154	86	71	71	201	242	378	232	263	194	235
28	248	154	68	71	72	200	279	386	216	263	194	203
29	160	154	68	71	---	200	301	401	198	258	194	136
30	58	154	67	71	---	166	300	445	201	256	193	103
31	53	---	67	57	---	146	---	466	---	255	192	---
TOTAL	4547	2943	2469	2283	1947	4642	3332	9168	8137	5593	7121	6808
MEAN	147	98	80	74	70	150	111	296	271	180	230	227
AC-FT	9020	5840	4900	4530	3860	9210	6610	18180	16140	11090	14120	13500
MAX	248	154	153	92	90	211	301	466	409	263	340	336
MIN	53	54	34	57	47	72	42	238	198	138	150	103

WTR YR 2005 TOTAL 58990 MEAN 162 MAX 466 MIN 34 AC-FT 117000

MAX DISCH: 484 CFS AT 18:15 ON May. 30, 2005 GH 2.52 FT. SHIFT 0 FT.
MAX GH: 2.52 FT. AT 18:15 ON May. 30, 2005

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

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE CO
WY2005 HYDROGRAPH



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 mi²; 1948 to present.

GAGE.--A graphic water stage recorder and satellite monitoring equipment in a wooden shelter over a concrete well at a concrete trapezoidal channel section and spillway. The gage has power and is equipped with heat lamps and tapes to prevent freezing of the stilling well and intakes. The station is owned and maintained by the Denver Water Department. The satellite equipment is owned by USCOE and maintained by the USGS.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. The record is complete and reliable, except for April 6, 11-12, 2005, when the stage-discharge relationship was affected by ice. 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 period April 6, 11-12, 2005 which is fair. Station maintained and record developed by Garver Brown.

RATING TABLE.--PLAGRACO12 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

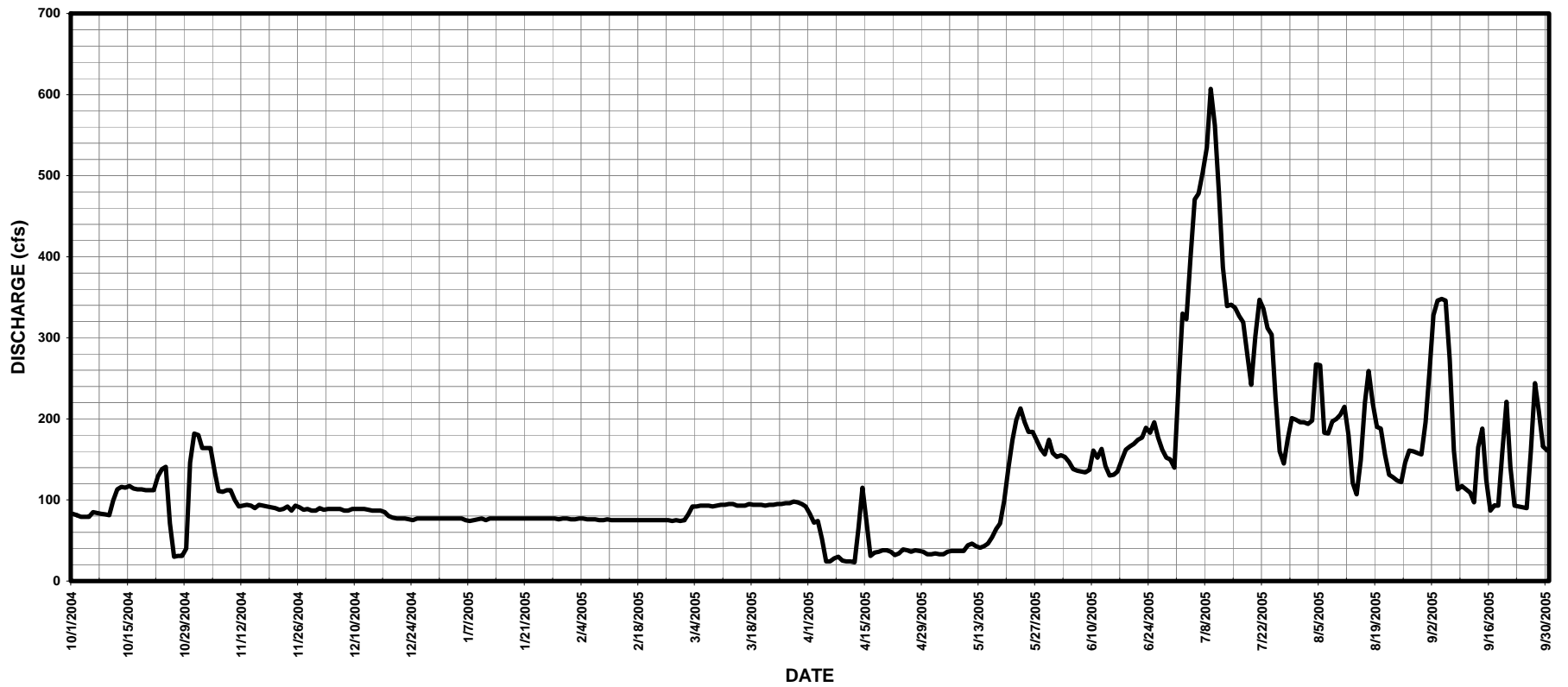
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	180	90	77	76	75	83	33	153	239	196	262
2	81	164	88	77	76	82	72	34	155	330	194	328
3	79	164	89	77	77	92	74	33	153	323	198	346
4	79	164	89	77	77	92	52	33	147	400	267	348
5	79	135	89	77	76	93	24	36	138	471	266	346
6	85	111	89	75	76	93	24	37	136	478	183	273
7	84	110	87	74	76	93	28	37	135	504	182	161
8	83	112	87	75	75	92	30	37	134	535	197	113
9	82	112	89	76	75	93	25	37	137	607	200	117
10	81	100	89	77	76	94	24	44	161	562	205	113
11	99	92	89	75	75	94	24	46	152	477	215	109
12	113	93	89	77	75	95	23	43	163	387	179	97
13	116	94	88	77	75	95	65	41	142	339	121	165
14	115	93	87	77	75	93	115	43	130	341	107	188
15	117	90	87	77	75	93	72	46	131	337	149	125
16	114	94	87	77	75	93	31	54	135	327	220	87
17	113	93	85	77	75	95	35	64	149	319	259	93
18	113	92	80	77	75	94	36	71	162	279	219	93
19	112	91	78	77	75	94	38	99	166	242	190	160
20	112	90	77	77	75	94	38	139	169	302	188	221
21	112	88	77	77	75	93	36	174	174	347	156	141
22	129	89	77	77	75	94	32	199	177	336	131	93
23	138	92	76	77	75	94	34	213	189	312	128	92
24	141	87	75	77	75	95	39	196	183	304	124	91
25	71	93	77	77	75	95	38	184	196	226	122	90
26	30	91	77	77	74	96	36	184	177	160	146	160
27	31	88	77	77	75	96	38	173	162	145	161	244
28	31	89	77	77	74	98	37	163	152	175	160	209
29	40	87	77	76	---	97	36	156	150	201	158	166
30	146	87	77	77	---	95	33	174	140	199	156	161
31	182	---	77	77	---	92	---	158	---	196	196	---
TOTAL	2991	3165	2577	2376	2108	2884	1272	2981	4648	10400	5573	5192
MEAN	97	106	83	77	75	93	42	96	155	335	180	173
AC-FT	5930	6280	5110	4710	4180	5720	2520	5910	9220	20630	11050	10300
MAX	182	180	90	77	77	98	115	213	196	607	267	348
MIN	30	87	75	74	74	75	23	33	130	145	107	87

WTR YR 2005 TOTAL 46167 MEAN 126 MAX 607 MIN 23 AC-FT 91570

MAX DISCH: 623 CFS AT 19:30 ON Jul. 9, 2005 GH 1.84 FT. SHIFT 0.01 FT.
MAX GH: 1.84 FT. AT 19:30 ON Jul. 9, 2005

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

06706000 NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK AT GRANT CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE, CO

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

DRAINAGE AREA AND PERIOD OF RECORD.--2,579 mi²; 1910 to present.

GAGE.--A graphic water stage recorder and satellite monitoring equipment in a concrete shelter and CMP well. The Sutron 8004 DCP was replaced with an 8210. The primary gage is an electric tape gage mounted on the equipment shelf. The station was rebuilt with a 60" CMP well and concrete shelter in 1994. 120-volt electricity was installed in 2001. The cableway was rebuilt in 1994. The gage is on Denver Water Board property.

REMARKS.--The primary record is hourly data taken from satellite readings with chart back up. The record is complete and reliable, except for the following days when ice affected the stage-discharge relationship: December 16, 2004 through January 26, 2005. There may also have been ice affect on: Nov. 30-Dec. 1; Dec. 14, 15, 2004; and Feb. 1-11, 2005. The record is good, except for the following days: December 16-January 26, which are estimated due to ice effect and considered poor; and Nov. 30-Dec. 1; Dec. 14, 15, 2004; and Feb. 1-11, 2005, which are considered fair due to possible ice-affect. Station maintained and record developed by Steve Barrett.

RATING TABLE.--PLASPLCO16 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

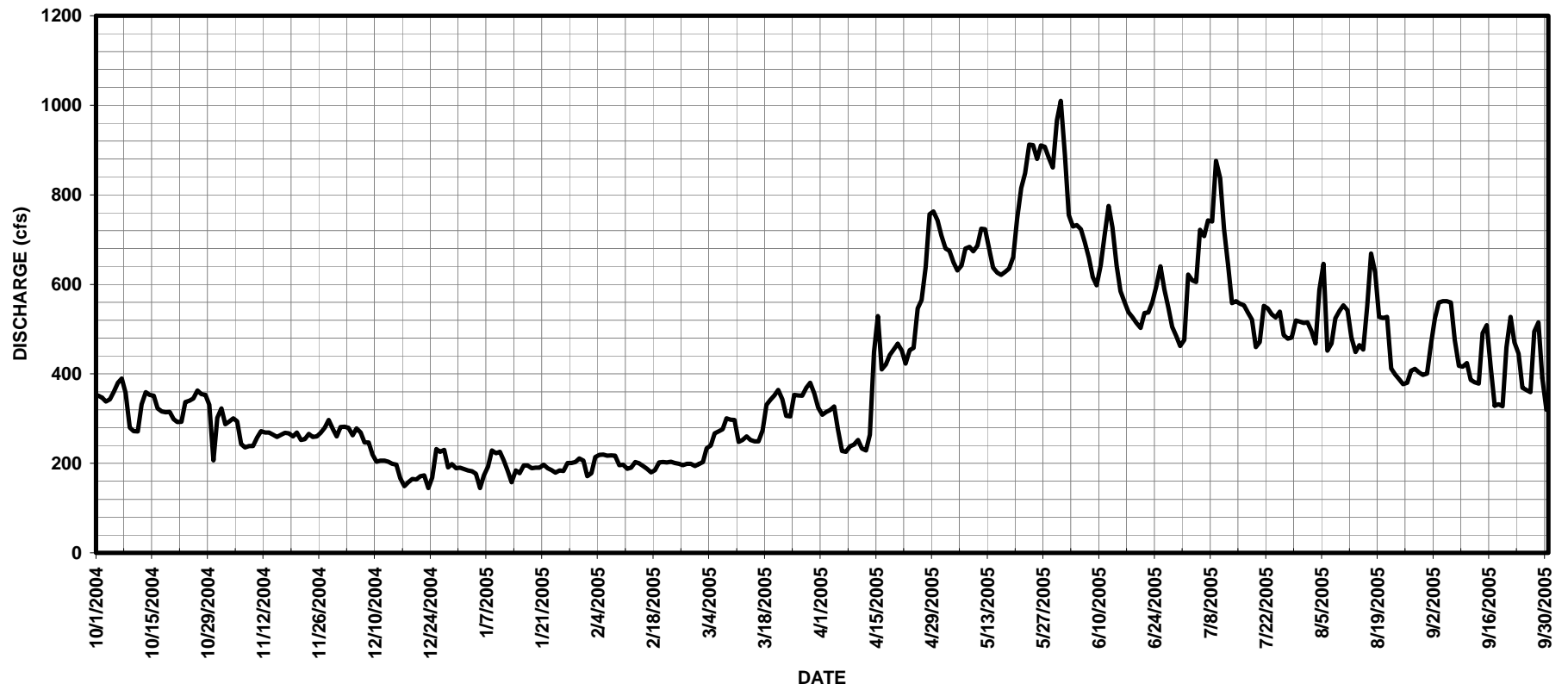
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	352	323	281	187	171	198	309	709	889	476	515	465
2	347	287	282	184	178	203	315	680	755	622	496	524
3	338	294	279	182	214	234	319	675	729	609	468	559
4	343	301	263	177	219	240	327	649	732	605	588	562
5	360	294	278	145	220	267	276	631	723	722	646	562
6	380	243	269	173	217	271	228	642	694	708	452	559
7	390	236	247	193	218	276	226	680	659	743	468	476
8	357	239	247	229	217	301	238	684	616	740	524	418
9	280	239	220	223	196	298	242	674	598	876	541	416
10	272	258	204	226	197	297	252	686	643	837	553	424
11	271	272	206	207	188	248	233	724	708	724	542	387
12	332	269	206	183	190	252	229	723	775	642	482	381
13	359	269	204	158	203	260	264	678	727	558	449	378
14	353	264	199	184	200	252	449	637	642	562	464	491
15	351	259	197	178	194	249	529	626	585	557	454	509
16	323	264	167	195	188	249	410	621	560	553	551	418
17	316	268	149	195	180	274	421	628	538	537	669	329
18	314	267	158	189	185	331	442	635	526	521	626	332
19	315	260	165	190	202	342	455	661	514	460	527	328
20	299	269	164	190	203	352	467	746	503	471	525	459
21	292	252	171	197	202	364	452	815	536	552	527	527
22	293	254	173	189	204	343	423	848	537	546	412	470
23	337	266	145	185	201	306	453	912	561	533	399	445
24	340	259	168	179	199	305	458	911	596	526	388	369
25	345	260	232	184	196	353	546	880	640	539	377	364
26	363	268	226	183	199	352	565	910	589	487	380	359
27	355	280	230	201	199	351	639	907	547	479	407	495
28	353	297	191	201	194	369	757	882	505	481	411	515
29	331	277	198	203	---	380	763	861	484	519	403	391
30	207	260	189	211	---	356	743	967	462	517	398	320
31	302	---	190	206	---	325	---	1010	---	514	401	---
TOTAL	10170	8048	6498	5927	5574	9198	12430	23292	18573	18216	15043	13232
MEAN	328	268	210	191	199	297	414	751	619	588	485	441
AC-FT	20170	15960	12890	11760	11060	18240	24650	46200	36840	36130	29840	26250
MAX	390	323	282	229	220	380	763	1010	889	876	669	562
MIN	207	236	145	145	171	198	226	621	462	460	377	320

WTR YR 2005 TOTAL 146201 MEAN 401 MAX 1010 MIN 145 AC-FT 290000

MAX DISCH: 1060 CFS AT 04:45 ON May. 31, 2005 GH 4.12 FT. SHIFT -0.06 FT.
MAX GH: 4.12 FT. AT 04:45 ON May. 31, 2005

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

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE CO
WY2005 HYDROGRAPH



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.--A Stevens A-70 graphic water stage recorder, satellite monitoring data collection platform with digital shaft encoder installed in a formed concrete shelter. An adjustable reference point with a graduated tape on the float drive for the recorder is used for referencing. An adjustable reference for a drop tape is located below the well manhole. An outside staff gage is used as an additional reference. A new encoder was installed in 2003 that reads to 3 decimal places and allows for tighter calibration.

REMARKS.--Record is complete and reliable; no ice conditions were experienced this year. The new encoder maintained calibration so that no corrections were necessary to the record. The record is good. Station maintained and record developed by Jana Ash.

RATING TABLE.--PLASTRCO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

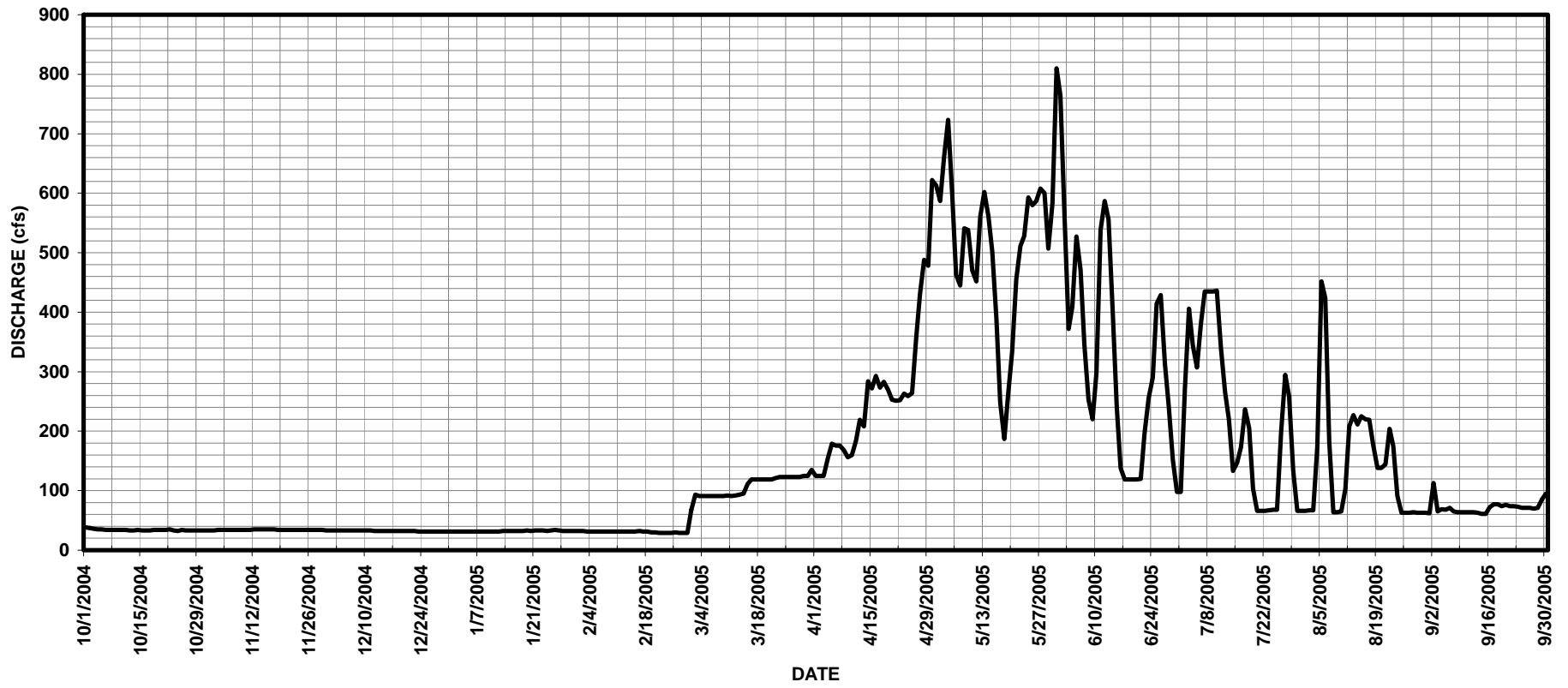
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	33	33	31	32	67	125	613	764	98	66	62
2	37	33	33	31	32	93	125	587	562	271	67	113
3	36	34	33	31	31	91	125	660	372	406	67	65
4	35	34	33	31	31	91	154	723	409	344	174	69
5	35	34	33	31	31	91	179	597	527	307	452	68
6	34	34	33	31	31	91	176	463	471	381	424	71
7	34	34	33	31	31	91	176	445	345	435	182	65
8	34	34	33	31	31	91	168	541	253	435	64	64
9	34	34	33	31	31	91	156	538	220	435	64	64
10	34	34	33	31	31	92	160	470	299	436	65	64
11	34	34	33	31	31	91	184	452	538	340	104	64
12	33	35	32	31	31	92	219	560	587	266	208	64
13	33	35	32	32	31	93	208	602	556	220	227	63
14	34	35	32	32	31	95	284	561	404	133	211	61
15	33	35	32	32	31	111	272	502	241	147	225	61
16	33	35	32	32	32	119	293	390	138	173	220	72
17	33	35	32	32	31	119	273	248	119	237	219	77
18	34	34	32	32	31	119	283	187	119	205	175	77
19	34	34	32	33	30	119	270	265	119	104	138	74
20	34	34	32	32	30	119	253	334	119	66	138	76
21	34	34	32	33	29	119	251	455	120	66	144	74
22	35	34	32	33	29	121	252	511	197	66	204	74
23	33	34	31	33	29	123	263	528	256	67	175	73
24	32	34	31	32	29	123	259	593	290	68	91	71
25	34	34	31	33	30	123	264	580	414	68	63	71
26	33	34	31	34	29	123	357	587	429	199	63	71
27	33	34	31	33	29	123	431	608	314	295	63	70
28	33	34	31	32	29	123	488	600	243	259	64	71
29	33	34	31	32	---	125	478	507	152	134	63	85
30	33	33	31	32	---	125	622	583	98	66	63	95
31	33	---	31	32	---	135	---	810	---	66	63	---
TOTAL	1052	1023	994	988	854	3329	7748	16100	9675	6793	4546	2149
MEAN	34	34	32	32	31	107	258	519	323	219	147	72
AC-FT	2090	2030	1970	1960	1690	6600	15370	31930	19190	13470	9020	4260
MAX	38	35	33	34	32	135	622	810	764	436	452	113
MIN	32	33	31	31	29	67	125	187	98	66	63	61

WTR YR 2005 TOTAL 55251 MEAN 151 MAX 810 MIN 29 AC-FT 109600

MAX DISCH: 878 CFS AT 09:45 ON May. 31, 2005 GH 5.16 FT. SHIFT 0 FT.
MAX GH: 5.16 FT. AT 09:45 ON May. 31, 2005

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

06707501 SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

06708000 SOUTH PLATTE RIVER AT WATERTON, CO

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

DRAINAGE AREA AND PERIOD OF RECORD.--2,621 mi²; 1926 to present.

GAGE.--Graphic stage recorder, satellite monitoring DCP with a phone modem, and shaft encoder (on separate floats) in a 60" galvanized, corrugated steel shelter and well. The primary reference is an electric drop tape. 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 the following days, November 29, 30; December 1, 2, 2004; January 31; and February 1, 2, 9, 2005, when small adjustments to 5 or less Hourly GH's were made to correct for ice peaks. These days are considered good record after adjustment. Greater adjustments for ice peaks were needed for December 22-24, 2004; January 13, 14, 2005. The record is rated good except for December 22-24; and January 13, 14; which were estimated and fair due to accumulation of ice on the control and in the well. Station maintained by Jana Ash and record developed by Jana Ash and Bob Cooper.

RATING TABLE.--PLAWATCO09 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

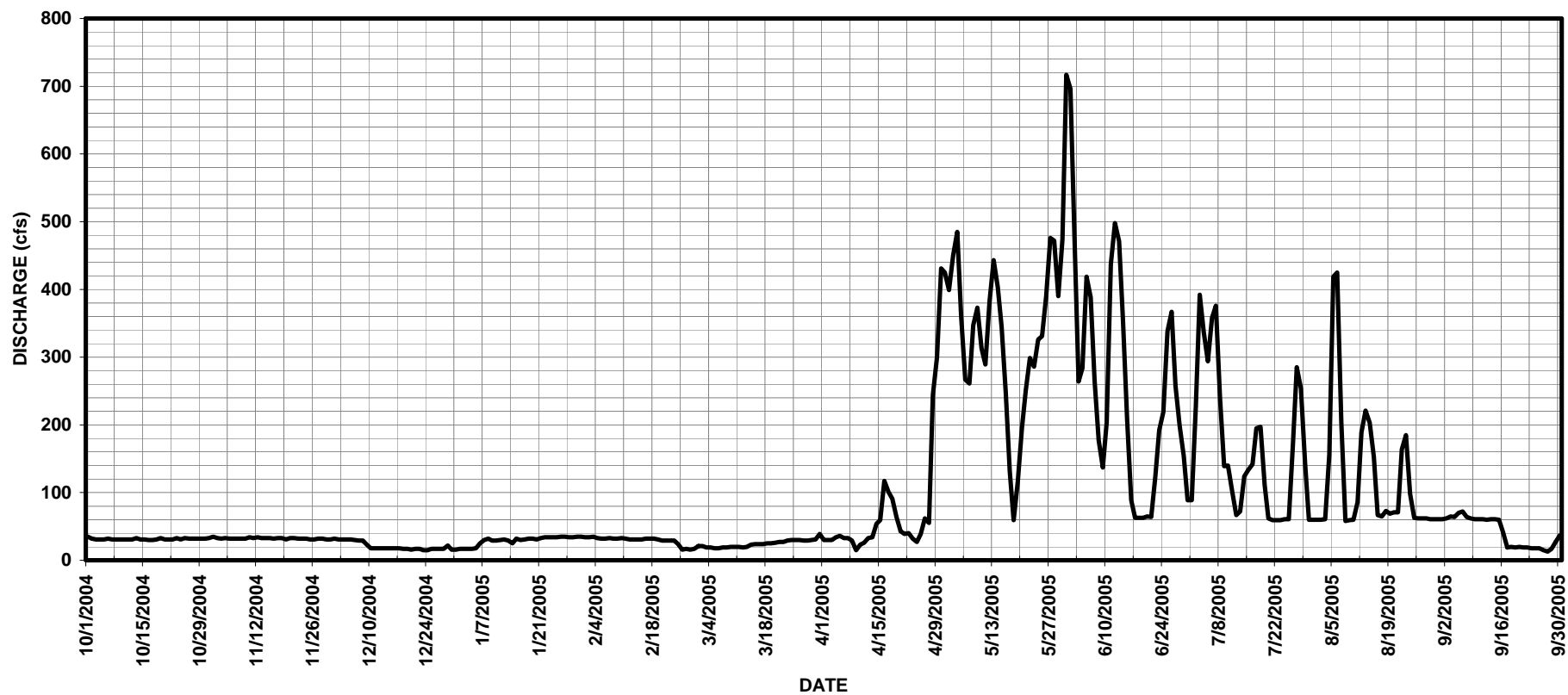
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	35	32	17	34	21	30	425	696	89	60	61
2	32	33	31	17	34	21	30	399	480	229	60	62
3	31	32	31	17	35	19	30	450	264	392	61	65
4	31	33	31	17	33	19	34	485	284	337	156	64
5	31	32	31	18	32	18	36	361	419	294	419	70
6	32	32	30	25	32	18	33	267	388	358	425	72
7	31	32	29	30	33	19	33	261	266	376	204	64
8	31	32	29	32	32	19	29	347	177	240	58	62
9	31	32	23	29	32	20	15	373	137	139	59	61
10	31	34	18	29	33	20	23	313	204	140	60	61
11	31	33	18	30	32	20	26	289	437	102	86	61
12	31	34	18	31	31	19	33	382	498	67	189	60
13	33	33	18	29	31	20	34	443	471	72	221	61
14	31	33	18	25	31	23	54	403	355	124	203	61
15	31	33	18	32	31	24	59	344	209	134	153	60
16	30	32	18	30	32	24	117	247	89	142	67	41
17	30	33	18	31	32	24	101	131	63	195	65	19
18	31	33	17	32	32	25	91	59	63	197	73	20
19	33	31	17	32	31	25	64	116	63	111	69	19
20	31	33	16	31	29	26	43	195	65	62	71	20
21	31	33	17	33	29	27	39	251	64	59	71	19
22	31	32	17	34	29	27	40	299	124	59	164	19
23	33	32	15	34	29	29	32	286	192	59	185	18
24	31	32	15	34	24	30	27	326	219	61	98	18
25	33	31	17	34	16	30	39	331	338	61	63	18
26	32	31	17	35	17	30	62	390	367	171	62	15
27	32	32	17	35	16	29	55	476	258	285	62	13
28	32	32	17	34	17	29	244	472	199	254	62	17
29	32	31	22	34	---	30	300	390	154	144	61	27
30	32	31	16	35	---	31	431	474	89	60	61	37
31	33	---	16	35	---	39	---	717	---	60	61	---
TOTAL	980	972	647	911	819	755	2184	10702	7632	5073	3709	1265
MEAN	32	32	21	29	29	24	73	345	254	164	120	42
AC-FT	1940	1930	1280	1810	1620	1500	4330	21230	15140	10060	7360	2510
MAX	35	35	32	35	35	39	431	717	696	392	425	72
MIN	30	31	15	17	16	18	15	59	63	59	58	13

WTR YR 2005 TOTAL 35649 MEAN 97.7 MAX 717 MIN 13 AC-FT 70710

MAX DISCH: 1580 CFS AT 22:30 ON Apr. 28, 2005 GH 2.85 FT. SHIFT 0.02 FT.
MAX GH: 2.85 FT. AT 22:30 ON Apr. 28, 2005

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

06708000 SOUTH PLATTE RIVER AT WATERTON CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

06709610 SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR, CO

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

DRAINAGE AREA.--3,018 mi².

GAGE.--A Stevens A-70 graphic water stage recorder and satellite monitoring DCP and shaft encoder installed in a formed concrete well and shelter. The DCP is located about 2000 ft away on the outlet structure in the lake, and is also used for lake elevation. An electric drop tape is used for referencing. There is no outside reference. The gage and DCP are owned by the USACOE and the DCP is maintained by the USGS.

REMARKS.--The primary record is hourly satellite data with chart back up. Daily max and min values agreed with the corrected chart values to within +/-0.02 foot. Four (+.01, -.01, -.01 & +.17) corrections to the encoder data were applied for short periods. The record is complete and reliable. The record is good. Station maintained and record developed by Jana Ash.

RATING TABLE.--PLACHACO03 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	8.9	.36	.19	.25	.13	54	699	895	152	17	23
2	17	8.9	.36	.19	6.6	.13	42	473	563	79	44	25
3	17	8.9	.32	.19	12	.13	42	407	375	87	41	38
4	16	8.9	.3	.19	12	.13	54	678	406	27	77	50
5	15	17	.3	.2	12	.13	122	732	339	.52	320	49
6	15	26	8.8	.19	12	.12	258	543	248	11	365	48
7	15	26	21	.2	12	.13	257	406	223	58	101	32
8	15	68	21	.2	12	.16	173	407	189	119	40	31
9	16	131	21	.19	12	.13	187	536	154	150	91	59
10	17	87	21	.19	12	.13	185	592	250	109	68	72
11	17	50	21	.19	12	.13	86	568	492	42	48	72
12	51	50	21	.21	12	.13	.49	755	613	17	106	72
13	76	50	21	.19	12	.21	.27	738	561	40	223	59
14	76	50	21	.22	6.3	.19	.17	605	347	55	280	36
15	47	96	21	.25	.25	.15	.13	588	141	32	214	19
16	26	97	21	.25	.25	.13	.12	468	59	23	137	14
17	26	52	21	.25	.2	.13	.1	363	82	35	23	11
18	26	49	21	.25	.21	.12	88	367	147	70	32	11
19	27	32	21	.25	.18	.12	214	368	184	99	104	9.2
20	30	32	11	.25	.12	.12	238	390	240	75	150	6
21	28	32	.13	.25	.13	9	381	367	294	46	123	7.1
22	28	32	.19	.25	.13	22	367	330	280	39	123	16
23	27	16	.19	.26	.13	60	255	491	266	31	187	18
24	27	.42	.19	.25	.13	98	252	723	266	31	227	10
25	16	.42	.19	.25	.13	51	410	522	322	90	187	10
26	.27	.41	.19	.23	.13	.3	581	138	398	237	154	10
27	.05	.39	.19	.19	.13	.27	555	200	349	264	153	10
28	.03	.39	.19	.21	.13	.25	402	443	269	163	152	15
29	3.7	.38	.21	.2	---	10	582	391	210	88	124	38
30	8.5	.36	.19	.25	---	35	793	536	206	48	84	55
31	8.7	---	.19	.28	---	55	---	869	---	9.7	47	---
TOTAL	709.25	1031.37	296.49	6.86	147.4	343.57	6579.28	15693	9368	2327.22	4042	925.3
MEAN	22.9	34.4	9.56	.22	5.26	11.1	219	506	312	75.1	130	30.8
AC-FT	1410	2050	588	14	292	681	13050	31130	18580	4620	8020	1840
MAX	76	131	21	.28	12	98	793	869	895	264	365	72
MIN	.03	.36	.13	.19	.12	.12	.1	138	59	.52	17	6

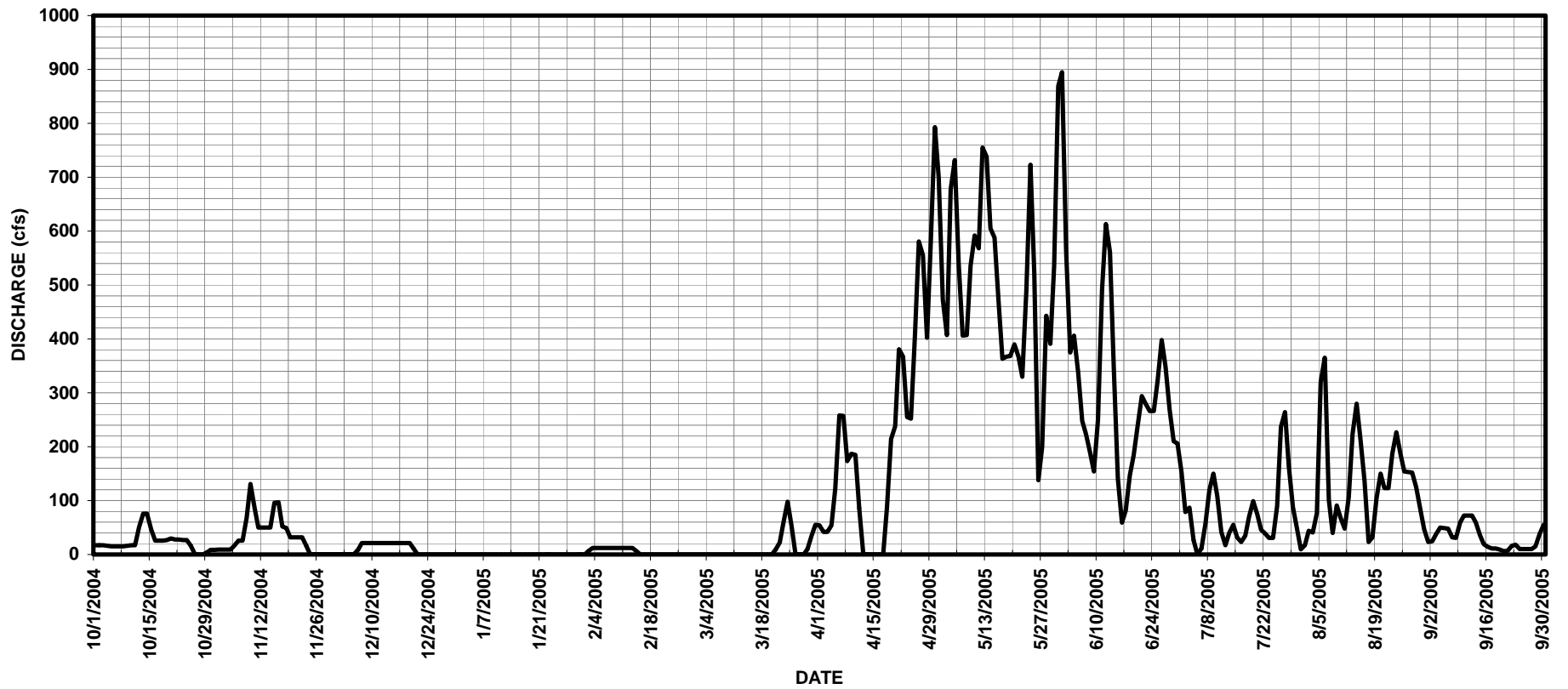
WTR YR 2005 TOTAL 41469.74 MEAN 114 MAX 895 MIN .03 AC-FT 82260

MAX DISCH: 959 CFS AT 05:00 ON Jun. 1, 2005 GH 3.87 FT. SHIFT 0.07 FT.

MAX GH: 3.87 FT. AT 05:00 ON Jun. 1, 2005

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

06709610 SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

06710500 BEAR CREEK AT MORRISON, CO

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 mi². 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.--Stevens A-35 graphic stage recorder and satellite monitoring DCP with telephone access in a 60-inch metal shelter and 48 inch well. A new compound weir was installed on the creek just prior to beginning of the 2003 water year. An drop tape from a reference point within the well references all instruments.

REMARKS.--Hourly data is the primary record, taken from satellite monitoring with chart back-up. Mean daily chart averages were used on June 14-19, and July 22-24 when the DCP was down. Accuracy was maintained by 40 visits to the gage. The record is complete and reliable except for the following periods: January 5-6, when the DCP was not working and chart float was frozen; November 30; December 1-9, 24-27; January 5, 6, 13-17; February 10, 11, 17, 18; when the gage height was ice affected. The record is good except as follows: November 30; December 1-9, 24-27; January 5, 6, 13-17; February 10, 11, 17, 18; which were estimated and are considered poor; and December 17-23, 31; January 1-4, 7-12; February 1-9, 16, 19, 20; which are fair due to possible ice affect. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BCRMORCO23 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

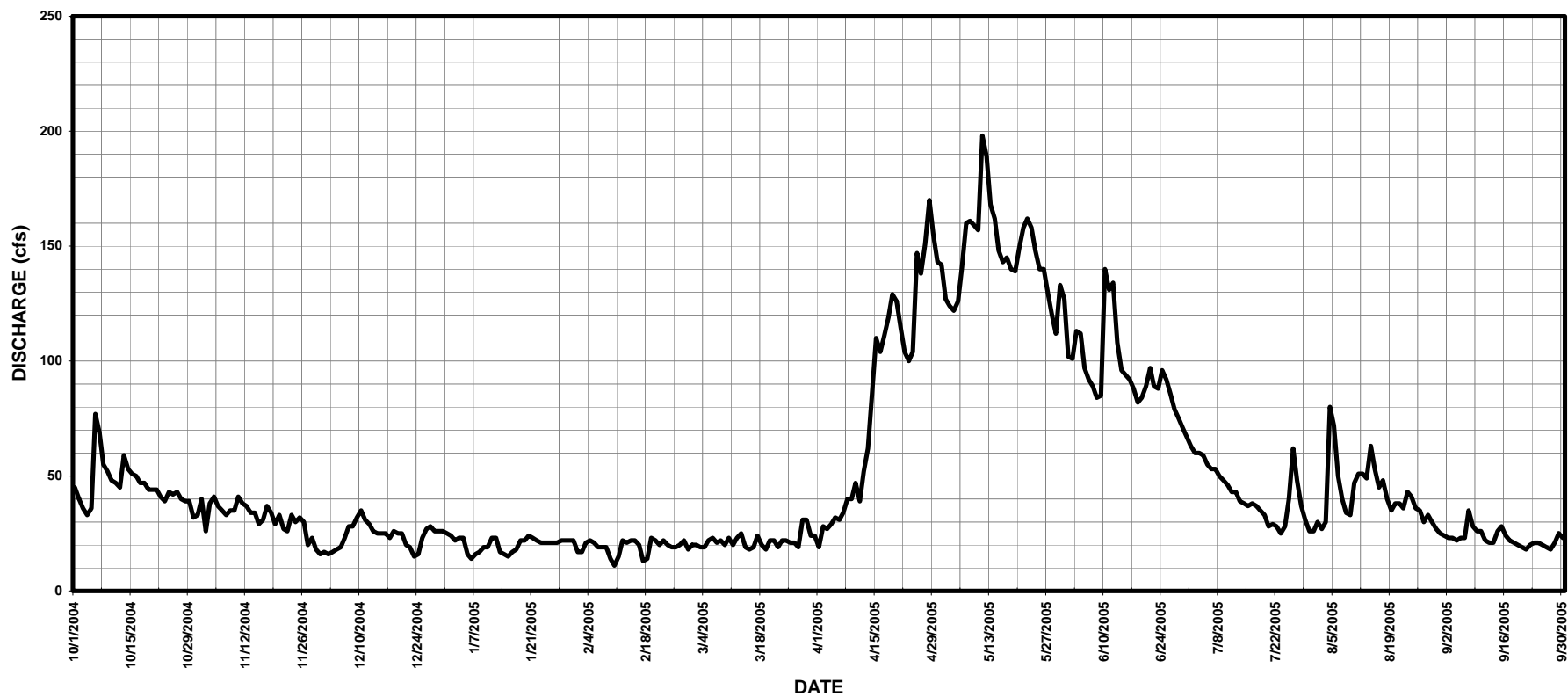
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	40	17	24	17	20	19	142	102	63	30	24
2	40	26	16	22	17	20	28	127	101	60	27	23
3	36	38	17	23	21	19	27	124	113	60	30	23
4	33	41	18	23	22	19	29	122	112	59	80	22
5	36	37	19	16	21	22	32	126	97	55	72	23
6	77	35	23	14	19	23	31	141	92	53	50	23
7	69	33	28	16	19	21	34	160	89	53	40	35
8	55	35	28	17	19	22	40	161	84	50	34	28
9	52	35	32	19	14	20	40	159	85	48	33	26
10	48	41	35	19	11	23	47	157	140	46	47	26
11	47	38	31	23	15	20	39	198	131	43	51	22
12	45	37	29	23	22	23	52	189	134	43	51	21
13	59	34	26	17	21	25	62	168	108	39	49	21
14	53	34	25	16	22	19	85	162	96	38	63	26
15	51	29	25	15	22	18	110	148	94	37	53	28
16	50	31	25	17	20	19	104	143	92	38	45	24
17	47	37	23	18	13	24	111	145	88	37	48	22
18	47	34	26	22	14	20	119	140	82	35	40	21
19	44	29	25	22	23	18	129	139	84	33	35	20
20	44	33	25	24	22	22	126	149	89	28	38	19
21	44	27	20	23	20	22	114	158	97	29	38	18
22	41	26	19	22	22	19	104	162	89	28	36	20
23	39	33	15	21	20	22	100	158	88	25	43	21
24	43	30	16	21	19	22	104	148	96	28	41	21
25	42	32	23	21	19	21	147	140	92	40	36	20
26	43	30	27	21	20	21	138	140	86	62	35	19
27	40	20	28	21	22	19	151	130	79	48	30	18
28	39	23	26	22	18	31	170	120	75	37	33	21
29	39	18	26	22	---	31	155	112	71	31	30	25
30	32	16	26	22	---	24	143	133	67	26	27	23
31	33	---	25	22	---	24	---	127	---	26	25	---
TOTAL	1413	952	744	628	534	673	2590	4528	2853	1298	1290	683
MEAN	46	32	24	20	19	22	86	146	95	42	42	23
AC-FT	2800	1890	1480	1250	1060	1330	5140	8980	5660	2570	2560	1350
MAX	77	41	35	24	23	31	170	198	140	63	80	35
MIN	32	16	15	14	11	18	19	112	67	25	25	18

WTR YR 2005 TOTAL 18186 MEAN 49.8 MAX 198 MIN 11 AC-FT 36070

MAX DISCH: 288 CFS AT 17:45 ON May. 11, 2005 GH 7.18 FT. SHIFT 0.02 FT.
MAX GH: 7.18 FT. AT 17:45 ON May. 11, 2005

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

06710500 BEAR CREEK AT MORRISON CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

06711500 BEAR CREEK AT MOUTH, AT SHERIDAN, CO

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

DRAINAGE AREA AND PERIOD OF RECORD.--260 mi². April to Nov. 1914, March 1927 to current year. Monthly data only prior to Oct. 1933.

GAGE.--Stevens A-35 graphic stage recorder and Sutron 8210 DCP with digital shaft encoder and phone (speech card) modem in a 42 inch corrugated metal shelter and well.

REMARKS.--The primary record is hourly data from satellite with chart back-up. The data are complete and reliable, except for the following days: December 23-24, 2004; January 5-8, 31, 2005 due to possible ice affect and July 12, 2005, due to debris on the control. The record is rated as good, except for the following days estimated for ice affect, which are fair, December 23-24, 2004; January 5-8, 31, 2005. July 12 is also fair due an estimation required for the effects of control cleaning. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BCRSHECO32 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

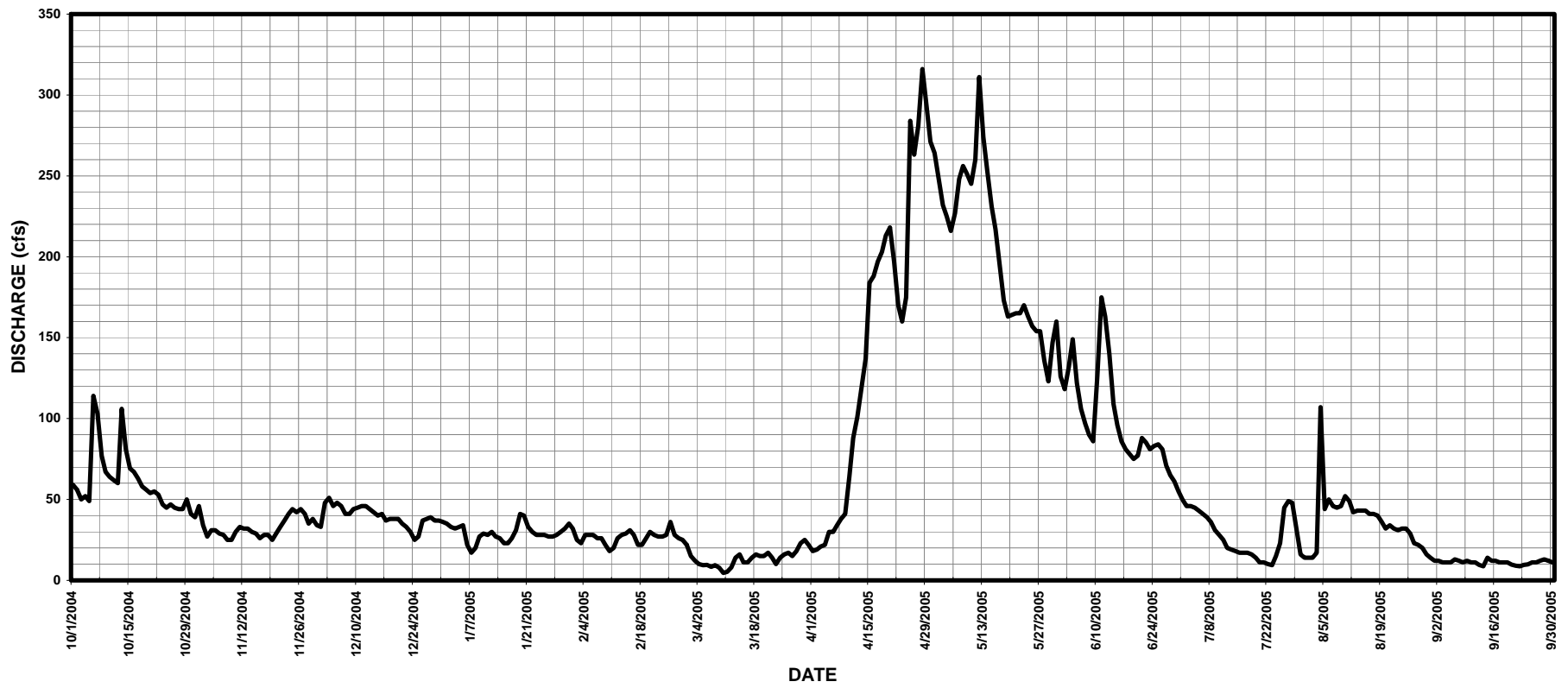
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	46	33	35	32	22	18	264	126	50	14	12
2	56	34	48	33	25	15	19	248	118	46	14	12
3	50	27	51	32	23	12	21	232	132	46	17	11
4	52	31	46	33	28	10	22	225	149	45	107	11
5	49	31	48	34	28	9.4	30	216	122	43	44	11
6	114	29	46	22	28	9.6	30	227	106	41	50	13
7	103	28	41	17	26	8.4	34	248	97	39	46	12
8	77	25	41	20	26	9.3	38	256	90	36	45	11
9	67	25	44	27	22	7.9	41	251	86	31	46	12
10	64	30	45	29	18	4.6	64	245	126	28	52	11
11	62	33	46	28	20	5.3	88	260	175	25	49	11
12	60	32	46	30	26	8	101	311	163	20	42	9.6
13	106	32	44	27	28	14	119	274	140	19	43	8.6
14	81	30	42	26	29	16	137	252	109	18	43	14
15	69	29	40	23	31	11	184	231	96	17	43	12
16	67	26	41	23	28	11	188	217	86	17	41	12
17	63	28	37	26	22	14	197	195	81	17	41	11
18	58	28	38	31	22	16	203	173	78	16	40	11
19	56	25	38	41	26	15	213	163	75	14	36	11
20	54	29	38	40	30	15	218	164	77	11	32	9.7
21	55	33	35	33	28	17	197	165	88	11	34	9.1
22	53	37	33	30	27	14	170	165	85	10	32	8.7
23	47	41	30	28	27	10	160	170	81	9.3	31	9.6
24	45	44	25	28	28	14	175	163	83	15	32	9.8
25	47	42	27	28	36	16	284	157	84	23	32	11
26	45	44	37	27	28	17	263	154	81	45	29	11
27	44	41	38	27	26	15	281	154	71	49	23	12
28	44	35	39	28	25	18	316	136	65	48	22	13
29	50	38	37	30	---	23	293	123	61	32	20	12
30	41	34	37	32	---	25	271	147	55	16	16	11
31	39	---	36	35	---	22	---	160	---	14	14	---
TOTAL	1877	987	1227	903	743	424.5	4375	6346	2986	851.3	1130	333.1
MEAN	61	33	40	29	27	13.7	146	205	100	27.5	37	11.1
AC-FT	3720	1960	2430	1790	1470	842	8680	12590	5920	1690	2240	661
MAX	114	46	51	41	36	25	316	311	175	50	107	14
MIN	39	25	25	17	18	4.6	18	123	55	9.3	14	8.6

WTR YR 2005 TOTAL 22182.9 MEAN 60.8 MAX 316 MIN 4.6 AC-FT 44000

MAX DISCH: 355 CFS AT 04:30 ON Aug. 4, 2005 GH 3.93 FT. SHIFT 0.09 FT.
MAX GH: 3.93 FT. AT 04:30 ON Aug. 4, 2005

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

06711500 BEAR CREEK AT MOUTH AT SHERIDAN CO
WY2005 HYDROGRAPH



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 mi². May 1889 to Oct. 1890 sporadic record. July 1895 to current year continuous. Monthly data only for some periods.

GAGE.--The shelter is 72 inch by 72 inch precast concrete structure with a 48 inch corrugated steel well. The station uses an electric drop tape, Sutron 8210 satellite telemetry with a phone modem interface (303-297-9505), a continuous chart recorder and a supplemental outside wire weight. A city water line is plumbed to the gage for flushing the inlets. The gage and chart recorder are maintained by DWR. The USGS Lakewood Field Office maintains the satellite equipment and phone interface for the USCOE.

REMARKS.--The primary record is fifteen minute 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 April 26-May 26, which are fair due to lack of confirming measurements above 574 cfs since 1999, and the possible inaccuracies with flows being too fast for the 50-lb weight bridge measurement and too shallow for the 75-lb weight. The yearly peak flow recorded on August 4 is also considered fair. Station maintained and record developed by Jana Ash.

RATING TABLE.--PLADENCO33 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

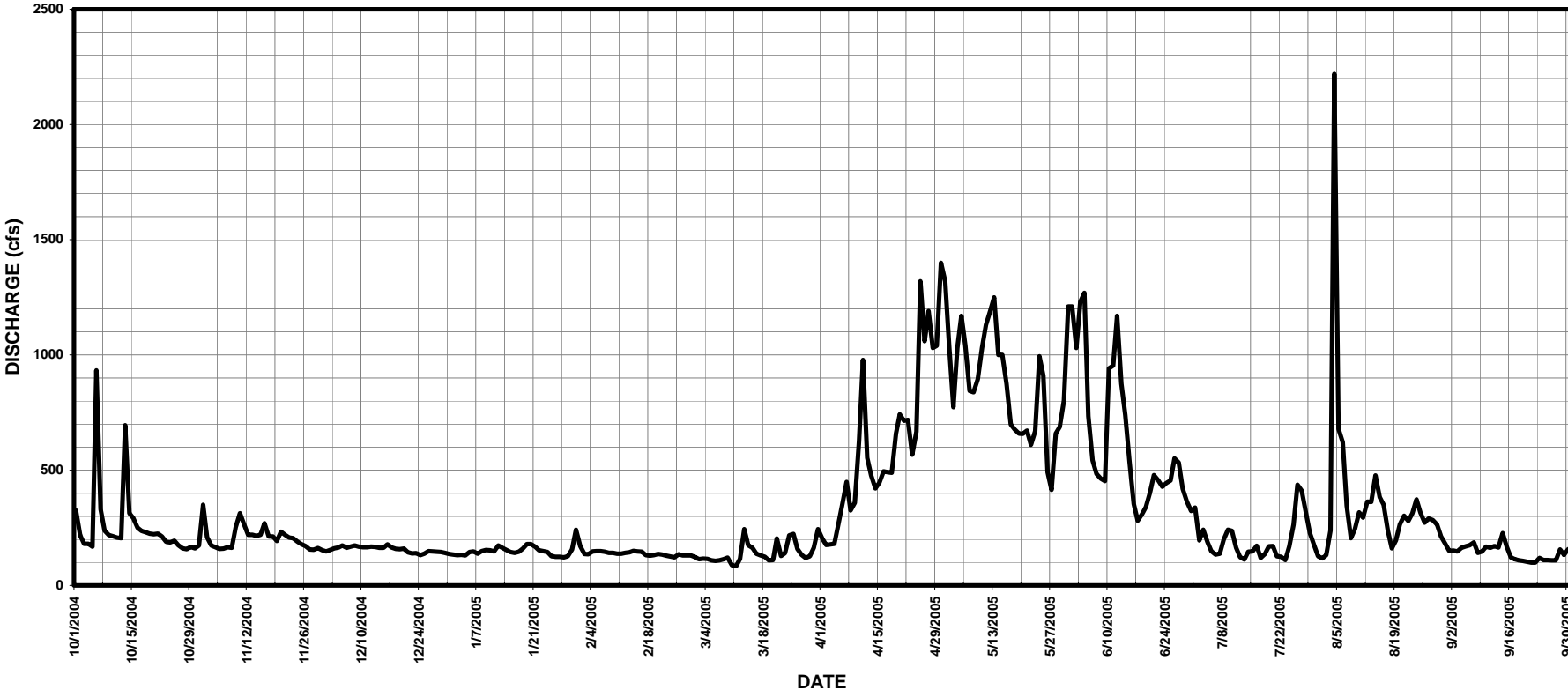
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	326	350	148	134	171	123	204	1320	1210	338	117	150
2	217	208	154	132	136	114	176	1040	1030	195	132	151
3	180	173	161	133	135	116	178	773	1230	242	238	147
4	180	166	165	130	148	115	181	1030	1270	188	2220	164
5	168	159	173	145	149	108	267	1170	734	149	679	169
6	933	160	164	148	149	106	354	1040	543	134	621	175
7	331	166	168	138	146	108	449	844	484	138	346	186
8	238	164	173	149	141	113	326	838	464	199	205	141
9	218	253	168	154	141	121	359	895	452	242	244	148
10	213	313	166	153	138	88	626	1030	942	237	317	168
11	207	264	166	147	138	83	978	1130	954	164	294	163
12	205	219	168	173	141	115	554	1190	1170	123	364	171
13	695	220	167	164	144	244	477	1250	876	112	362	165
14	313	215	164	154	150	174	421	1000	739	146	477	227
15	292	220	164	145	148	164	445	1000	536	147	383	170
16	250	270	178	142	146	138	495	875	354	172	350	122
17	236	212	165	146	132	130	492	699	281	119	237	113
18	231	212	158	160	129	125	489	677	309	137	161	108
19	225	193	157	179	132	109	658	659	340	170	195	106
20	222	233	160	179	136	110	741	657	403	171	265	103
21	224	220	144	168	134	204	715	672	478	127	303	99
22	212	207	139	153	129	128	718	610	456	124	279	99
23	189	205	140	149	126	140	567	669	428	110	312	119
24	186	190	132	145	122	217	667	994	444	169	373	110
25	194	179	138	127	135	223	1320	910	455	263	316	110
26	174	171	149	124	131	158	1060	492	551	436	272	109
27	161	156	147	124	130	133	1190	415	533	411	290	109
28	157	155	146	122	131	120	1030	658	420	322	283	156
29	167	162	145	127	---	127	1040	688	363	227	264	133
30	161	154	142	156	---	163	1400	803	323	174	212	157
31	173	---	136	242	---	244	---	1210	---	127	181	---
TOTAL	7878	6169	4845	4642	3888	4361	18577	27238	18772	6013	11292	4248
MEAN	254	206	156	150	139	141	619	879	626	194	364	142
AC-FT	15630	12240	9610	9210	7710	8650	36850	54030	37230	11930	22400	8430
MAX	933	350	178	242	171	244	1400	1320	1270	436	2220	227
MIN	157	154	132	122	122	83	176	415	281	110	117	99

CAL YR	2004	TOTAL	92282	MEAN	251	MAX	1890	MIN	62	AC-FT	183060
WTR YR	2005	TOTAL	117923	MEAN	323	MAX	2220	MIN	83	AC-FT	233900

MAX DISCH: 4980 CFS AT 06:10 ON Aug. 4, 2005 GH 8.16 FT. SHIFT 0.02 FT.
MAX GH: 8.16 FT. AT 06:10 ON Aug. 4, 2005

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

06714000 SOUTH PLATTE RIVER AT DENVER CO
WY2005 HYDROGRAPH



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 mi²; 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 chart recorder clock stopped a several times during the season, but the satellite data was complete so no data was lost during these times. Ice is presumed to have been present December 24-25, 2004 and January 6-9, 2005. The record is good, except for the following days estimated for ice-affect: January 6-7, 2005 are considered poor; and December 24-25, 2004 and January 8-9, 2005 are considered fair. Station maintained and record developed by Steve Barrett.

RATING TABLE.--CLEDERCO34 USED FROM 01-OCT-2004 TO 30-SEP-2005

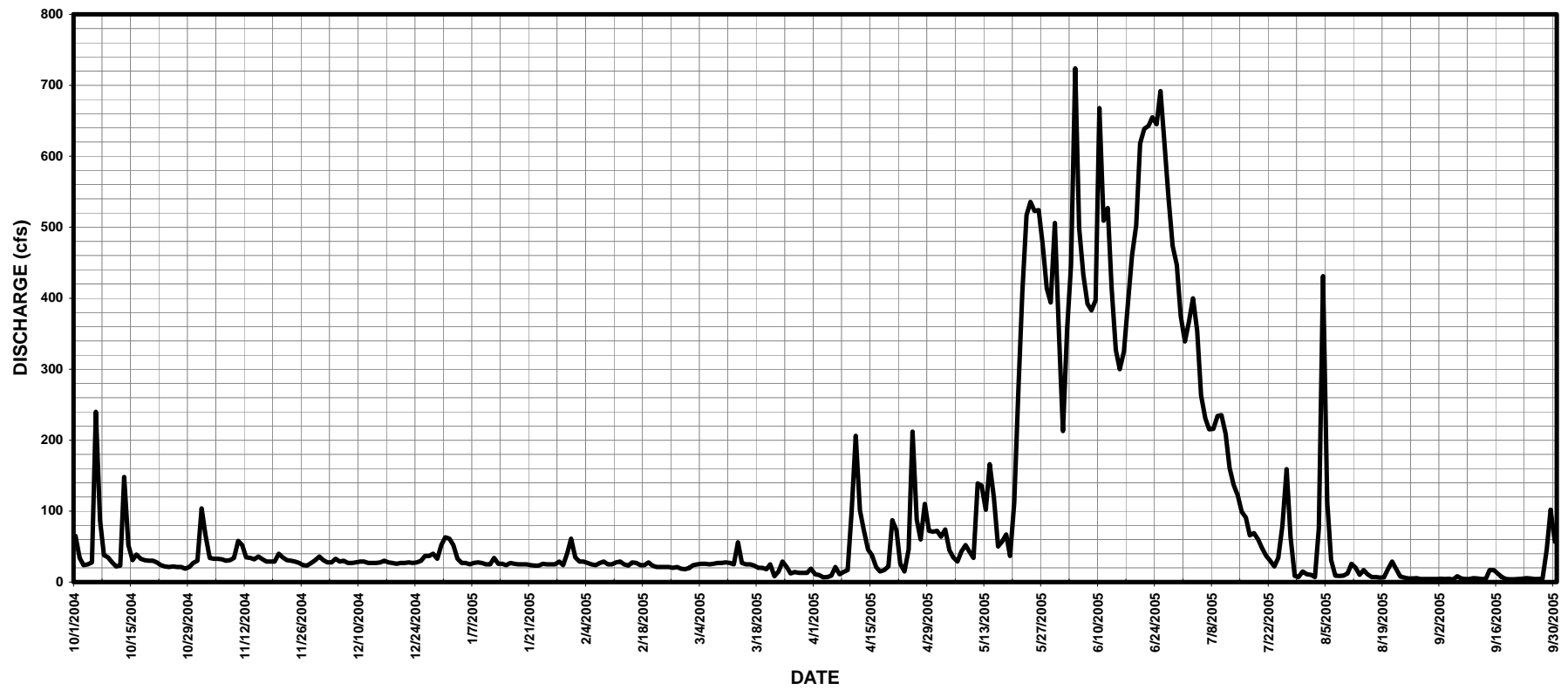
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	104	31	61	35	20	11	72	213	339	10	4.5
2	34	66	28	52	29	24	9.7	64	357	366	6.9	4.6
3	24	34	28	33	29	25	6.6	74	447	400	76	4.4
4	25	33	33	27	27	26	6.9	45	724	354	431	4.7
5	28	33	29	27	25	26	9	35	499	263	113	3.5
6	240	32	30	25	24	25	21	29	433	231	31	8.4
7	87	30	27	27	27	26	11	43	392	215	9.1	4.9
8	38	31	27	28	29	27	14	52	383	216	8.7	4.4
9	35	34	28	27	25	27	17	43	397	234	9.2	4.3
10	28	58	29	25	25	28	98	34	668	235	12	5.6
11	22	52	29	25	28	27	206	139	509	209	26	5
12	23	35	27	34	29	25	101	136	527	161	20	4.2
13	148	34	27	26	25	56	73	102	414	137	10	4.5
14	52	32	27	26	23	27	46	166	327	122	17	17
15	31	36	28	24	28	25	38	119	300	99	11	17
16	39	32	30	27	27	25	21	50	325	91	7	12
17	33	29	28	26	24	23	15	57	396	66	7	7.2
18	31	29	27	25	24	20	17	67	460	69	6.4	4.3
19	30	29	26	25	28	20	22	37	503	60	6.5	3.9
20	30	40	27	25	23	18	87	112	618	48	18	3.9
21	28	35	27	24	21	25	73	273	639	37	29	4.2
22	24	31	28	23	21	8.2	26	409	643	30	18	4.7
23	22	30	27	23	21	15	15	517	655	22	7.9	5.3
24	21	29	28	26	21	29	46	536	645	34	6.4	5
25	22	27	30	25	20	21	212	523	692	80	5.1	4.3
26	21	24	37	25	21	12	88	524	617	159	5	4.3
27	21	23	37	25	19	14	60	477	543	64	5.3	4.7
28	19	27	40	29	18	13	110	414	474	8.7	4.5	46
29	21	31	33	24	---	13	72	394	447	7	4.2	102
30	27	36	52	41	---	13	71	506	375	15	4.4	57
31	30	---	63	61	---	19	---	347	---	11	4.4	---
TOTAL	1299	1096	968	921	696	702.2	1603.2	6396	14622	4382.7	930	365.8
MEAN	42	37	31	30	25	22.7	53.4	206	487	141	30	12.2
AC-FT	2580	2170	1920	1830	1380	1390	3180	12690	29000	8690	1840	726
MAX	240	104	63	61	35	56	212	536	724	400	431	102
MIN	19	23	26	23	18	8.2	6.6	29	213	7	4.2	3.5

WTR YR 2005 TOTAL 33981.9 MEAN 93.1 MAX 724 MIN 3.5 AC-FT 67400

MAX DISCH: 1280 CFS AT 13:30 ON Jun. 4, 2005 GH 3.12 FT. SHIFT 0.02 FT.
MAX GH: 3.12 FT. AT 13:30 ON Jun. 4, 2005

06720000 CLEAR CREEK AT DERBY CO
WY2005 HYDROGRAPH



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 --4,768 mi². 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 phone modem in a 42-inch metal pipe shelter with electric drop tape and outside wire weight as additional reference. Water quality instrumentation installed by other agencies. Datum of gage is 4999.12 ft. MSL, 1929 datum.

REMARKS --The primary record is fifteen minute data taken from satellite monitoring with chart backup. The encoder remained in good calibration, with few adjustments. The gage was visited 40 times and the encoder had only seven adjustments. One flush correction was applied from June 5, 2005 at 16:00 hrs to June 9, 2005 at 10:30 hrs. This period of record is considered fair to poor. The inlets seemed to be plugged for the period of June 13, 2005 at 07:00 hrs to June 17, 2005 at 13:00 hrs. This period of record should be considered fair to poor. The gage height record is complete. The record is reliable except for the certain periods of plugged inlets discussed above. The new control has created a sand bar moving in the direction of the gage that has been causing the inlets to become buried. The pipe inlets were extended beyond the sand bar on October 18, 2005, which should benefit the record in future years. Record is rated as good, except June 5-9 and June 13-17, which are fair to poor due to partially plugged inlets. Station maintained and record developed by Jana Ash.

RATING TABLE --PLAHENCO33 USED FROM 01-OCT-2004 TO 30-SEP-2005

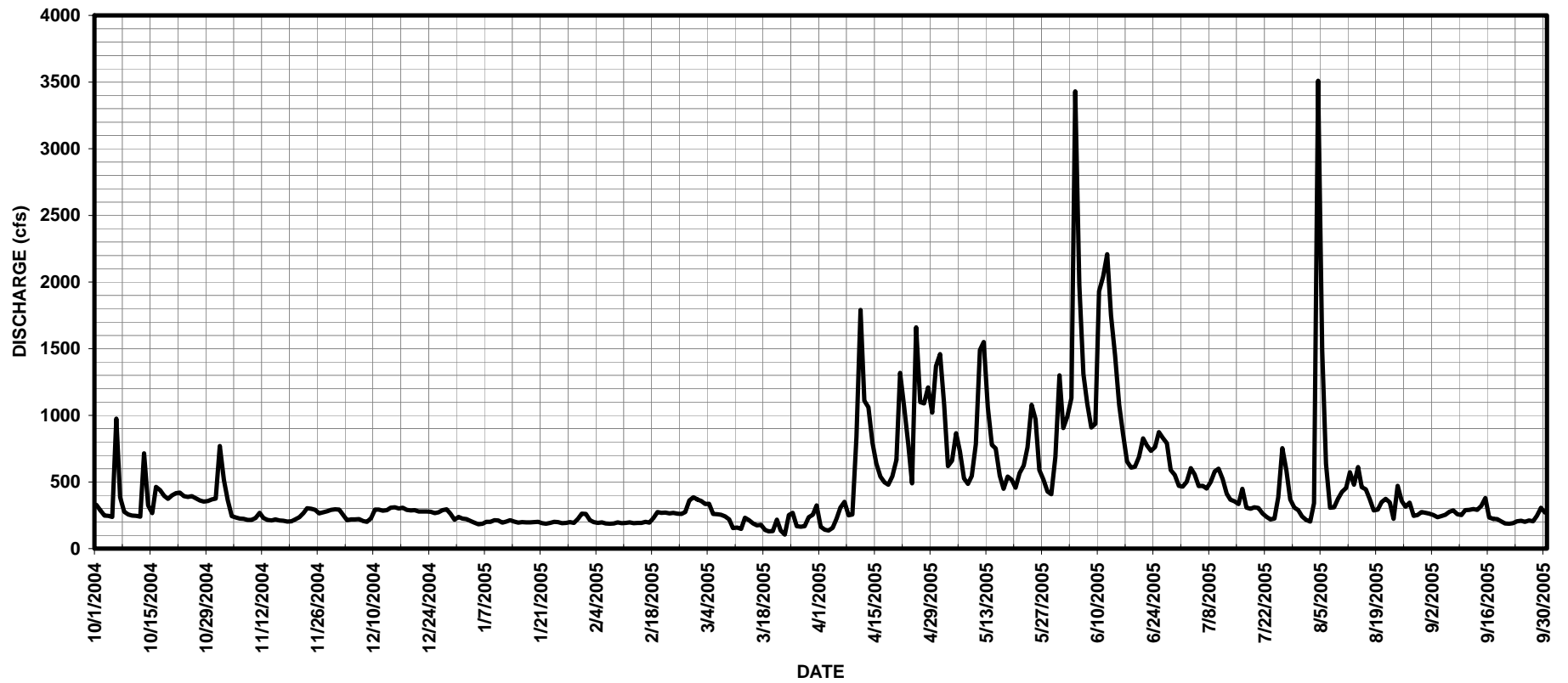
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	329	770	293	225	260	369	165	1460	905	465	216	262
2	286	516	255	222	213	357	143	1080	992	503	204	253
3	247	366	214	207	200	336	137	620	1130	604	342	236
4	245	243	219	196	194	337	157	660	3430	557	3510	244
5	238	234	220	183	197	261	226	865	1980	470	1490	254
6	976	226	221	186	189	259	308	730	1310	472	639	277
7	387	224	207	201	188	254	352	527	1090	452	307	287
8	276	215	201	202	189	241	250	486	909	499	311	259
9	257	215	228	214	197	219	256	545	937	580	373	252
10	247	230	293	211	191	155	837	785	1930	599	427	289
11	245	269	292	195	193	158	1790	1490	2040	523	456	290
12	239	229	284	204	198	148	1110	1550	2210	413	574	296
13	715	215	288	214	192	232	1060	1060	1750	367	480	290
14	326	212	306	203	194	214	792	779	1450	355	612	322
15	267	219	311	195	193	189	640	753	1080	336	462	381
16	463	211	301	200	202	175	541	546	863	450	445	234
17	440	209	307	198	195	179	497	449	654	308	373	224
18	397	203	290	197	230	141	480	541	607	298	287	221
19	375	205	287	199	274	131	543	516	613	311	292	206
20	400	219	288	201	269	132	666	457	689	304	349	190
21	416	235	279	192	271	217	1320	568	827	264	374	188
22	421	266	278	186	264	137	1060	623	774	240	348	191
23	395	303	278	193	269	105	785	760	733	220	223	205
24	389	298	276	201	262	252	489	1080	763	226	471	210
25	395	291	266	200	261	269	1660	972	873	387	358	202
26	379	265	273	192	275	169	1100	590	830	755	316	211
27	362	273	288	193	362	164	1090	519	791	586	346	205
28	353	281	295	199	386	168	1210	428	589	369	246	246
29	358	291	263	193	---	235	1020	409	553	309	252	304
30	369	294	218	224	---	255	1370	690	472	288	275	270
31	377	---	237	262	---	325	---	1300	---	241	268	---
TOTAL	11569	8227	8256	6288	6508	6783	22054	23838	33774	12751	15626	7499
MEAN	373	274	266	203	232	219	735	769	1126	411	504	250
AC-FT	22950	16320	16380	12470	12910	13450	43740	47280	66990	25290	30990	14870
MAX	976	770	311	262	386	369	1790	1550	3430	755	3510	381
MIN	238	203	201	183	188	105	137	409	472	220	204	188

WTR YR 2005 TOTAL 163173 MEAN 447 MAX 3510 MIN 105 AC-FT 323700

MAX DISCH: 6060 CFS AT 19:15 ON Aug. 4, 2005 GH 8.58 FT. SHIFT 0.04 FT.
MAX GH: 8.58 FT. AT 19:15 ON Aug. 4, 2005

06720500 SOUTH PLATTE RIVER AT HENDERSON CO
WY2005 HYDROGRAPH



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. The record is complete and reliable except for: November 2, 2004 through May 23, 2005 when the station was closed for the season. The record is good. Flows above 104 cfs are fair due to lack of rating definition. Flows above 200 cfs are fair due to lack of rating measurements. The peak of 313 cfs is considered fair due to lack of confirming measurements at this discharge. This is a seasonal station and is closed during the winter. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--MIDSTECO04 USED FROM 01-OCT-2004 TO 01-NOV-2004
MIDSTECO04 USED FROM 23-MAY-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	11	-	-	-	-	-	-	125	112	39	18
2	22	-	-	-	-	-	-	-	165	112	53	16
3	21	-	-	-	-	-	-	-	158	112	80	16
4	21	-	-	-	-	-	-	-	140	108	70	15
5	21	-	-	-	-	-	-	-	112	98	67	15
6	30	-	-	-	-	-	-	-	114	87	55	15
7	26	-	-	-	-	-	-	-	123	87	45	14
8	23	-	-	-	-	-	-	-	116	91	39	14
9	21	-	-	-	-	-	-	-	114	89	36	15
10	20	-	-	-	-	-	-	-	113	88	37	16
11	20	-	-	-	-	-	-	-	95	83	39	14
12	19	-	-	-	-	-	-	-	97	79	38	13
13	20	-	-	-	-	-	-	-	83	82	36	13
14	19	-	-	-	-	-	-	-	79	82	36	13
15	18	-	-	-	-	-	-	-	103	73	33	12
16	17	-	-	-	-	-	-	-	133	72	30	11
17	16	-	-	-	-	-	-	-	151	69	27	9.7
18	16	-	-	-	-	-	-	-	170	73	26	9.3
19	15	-	-	-	-	-	-	-	187	65	24	9.1
20	15	-	-	-	-	-	-	-	180	59	24	8.9
21	14	-	-	-	-	-	-	-	168	57	25	9.1
22	13	-	-	-	-	-	-	-	193	56	25	14
23	13	-	-	-	-	-	-	250	205	55	24	12
24	13	-	-	-	-	-	-	217	192	62	23	11
25	13	-	-	-	-	-	-	197	169	67	24	10
26	13	-	-	-	-	-	-	170	160	69	25	9.5
27	12	-	-	-	-	-	-	154	147	54	23	9.6
28	12	-	-	-	-	-	-	142	130	47	22	20
29	10	-	-	-	---	-	-	132	122	42	21	15
30	12	-	-	-	---	-	-	135	111	40	19	14
31	13	---	-	-	---	-	---	136	---	38	19	---
TOTAL	542	11	-	-	-	-	-	1533	4155	2308	1084	391.2
MEAN	18	.37	-	-	-	-	-	49.5	139	75	35	13
AC-FT	1080	22	-	-	-	-	-	3040	8240	4580	2150	776
MAX	30	11	-	-	-	-	-	250	205	112	80	20
MIN	10	-	-	-	-	-	-	-	79	38	19	8.9

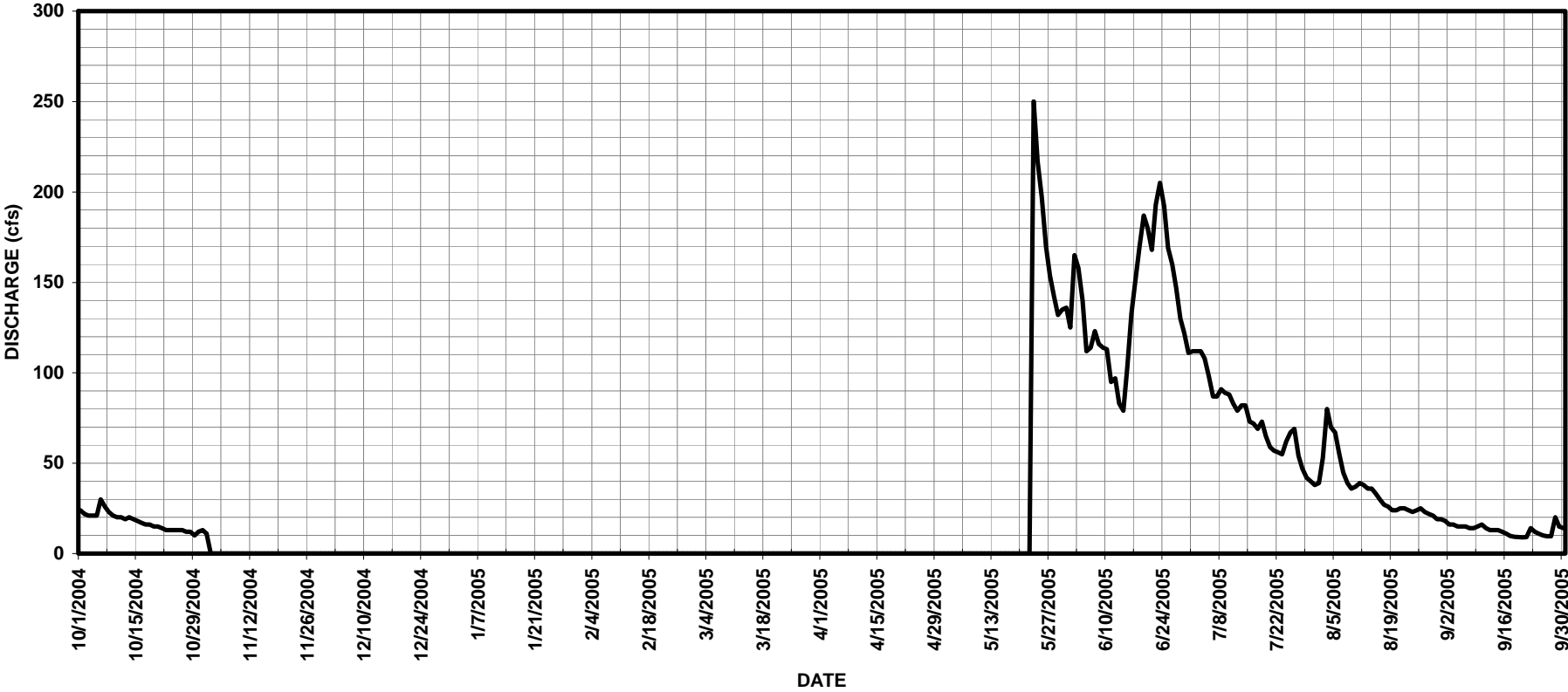
WTR YR 2005 TOTAL 10024.2 MEAN 27.5 MAX 250 MIN - AC-FT 19880 (PARTIAL YEAR RECORD)

MAX DISCH: 313 CFS AT 21:00 ON May. 23, 2005 GH 3.15 FT. SHIFT -0.01 FT.

MAX GH: 3.15 FT. AT 21:00 ON May. 23, 2005

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

MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY CO
WY2005 HYDROGRAPH



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 mi²; 1925-27,28-31, 54-73, 1992 to present.

GAGE.--Graphic water-stage recorder and satellite monitoring DCP (8200) with shaft encoder in 42-inch diameter corrugated metal pipe shelter and well. 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 periods: November 5, 2004 to May 23, 2005 when the station was closed for winter. The record is fair due to moving rocks in the open control, except for May 23 which was estimated and poor. Flows above 200 cfs would also be poor due to lack of recent measurements in this range. 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 by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--SSVWARCO10 USED FROM 01-OCT-2004 TO 05-NOV-2004
SSVWARCO10 USED FROM 23-MAY-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

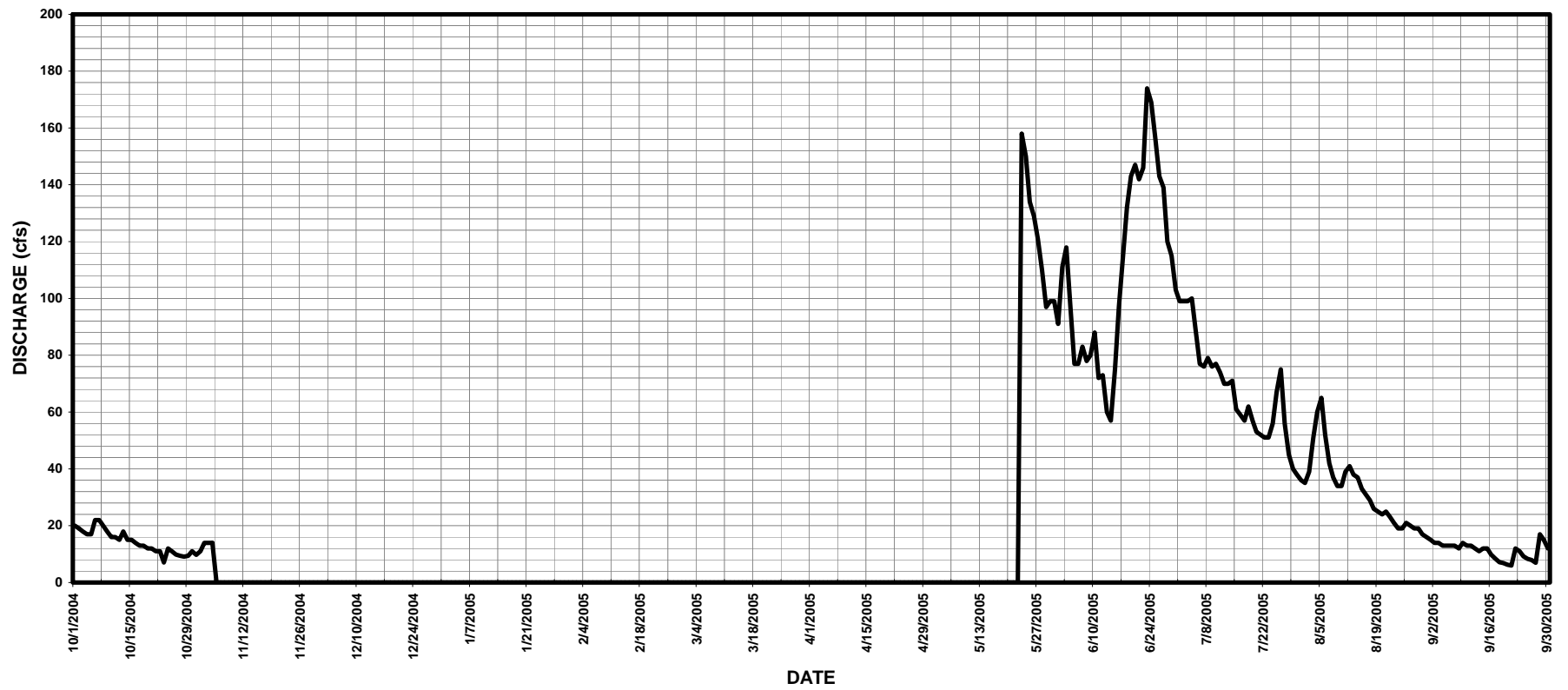
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	11	-	-	-	-	-	-	91	99	35	15
2	19	14	-	-	-	-	-	-	111	99	39	14
3	18	14	-	-	-	-	-	-	118	99	51	14
4	17	14	-	-	-	-	-	-	98	100	60	13
5	17	-	-	-	-	-	-	-	77	89	65	13
6	22	-	-	-	-	-	-	-	77	77	52	13
7	22	-	-	-	-	-	-	-	83	76	42	13
8	20	-	-	-	-	-	-	-	78	79	37	12
9	18	-	-	-	-	-	-	-	80	76	34	14
10	16	-	-	-	-	-	-	-	88	77	34	13
11	16	-	-	-	-	-	-	-	72	74	39	13
12	15	-	-	-	-	-	-	-	73	70	41	12
13	18	-	-	-	-	-	-	-	60	70	38	11
14	15	-	-	-	-	-	-	-	57	71	37	12
15	15	-	-	-	-	-	-	-	75	61	33	12
16	14	-	-	-	-	-	-	-	97	59	31	9.9
17	13	-	-	-	-	-	-	-	115	57	29	8.4
18	13	-	-	-	-	-	-	-	132	62	26	7.1
19	12	-	-	-	-	-	-	-	143	57	25	6.8
20	12	-	-	-	-	-	-	-	147	53	24	6.2
21	11	-	-	-	-	-	-	-	142	52	25	6
22	11	-	-	-	-	-	-	-	146	51	23	12
23	7	-	-	-	-	-	-	158	174	51	21	11
24	12	-	-	-	-	-	-	150	169	56	19	9.2
25	11	-	-	-	-	-	-	134	156	67	19	8.3
26	9.9	-	-	-	-	-	-	129	143	75	21	7.9
27	9.4	-	-	-	-	-	-	121	139	56	20	6.9
28	9.1	-	-	-	-	-	-	110	120	45	19	17
29	9.4	-	-	-	---	-	-	97	115	40	19	15
30	11	-	-	-	---	-	-	99	103	38	17	12
31	9.8	---	-	-	---	-	---	99	---	36	16	---
TOTAL	442.6	53	-	-	-	-	-	1097	3279	2072	991	337.7
MEAN	14.3	1.77	-	-	-	-	-	35.4	109	67	32	11.3
AC-FT	878	105	-	-	-	-	-	2180	6500	4110	1970	670
MAX	22	14	-	-	-	-	-	158	174	100	65	17
MIN	7	-	-	-	-	-	-	-	57	36	16	6

WTR YR 2005 TOTAL 8272.3 MEAN 22.7 MAX 174 MIN - AC-FT 16410 (PARTIAL YEAR RECORD)

MAX DISCH: 199 CFS AT 22:45 ON Jun. 19, 2005 GH 2.92 FT. SHIFT 0.07 FT.
MAX GH: 2.92 FT. AT 22:45 ON Jun. 19, 2005

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

SOUTH ST. VRAIN CREEK NEAR WARD CO
WY2005 HYDROGRAPH



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 ¼ 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. The gage is located one-quarter mile downstream from gage on South Saint Vrain Creek off Highway 72. This station is operated as a partial year record station usually from May to October.

GAGE.--A-71 continuous graphic chart recorder in a 42-inch corrugated shelter and concrete well with Data Collection Platform (DCP) as primary record. Primary reference is tape down from RP.

REMARKS.--Primary record is hourly satellite data. The record is complete and reliable except for the following periods: November 5, 2004 thru May 23, 2004 when the station was closed for winter. The record is good, except for May 23, which was estimated and is considered poor. This is a partial year record station. Diversions continue through the winter and spring when the station is closed due to ice in the channel and snow blocking the road. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--LEFTHDCO03 USED FROM 01-OCT-2004 TO 06-NOV-2004
LEFTHDCO03 USED FROM 23-MAY-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

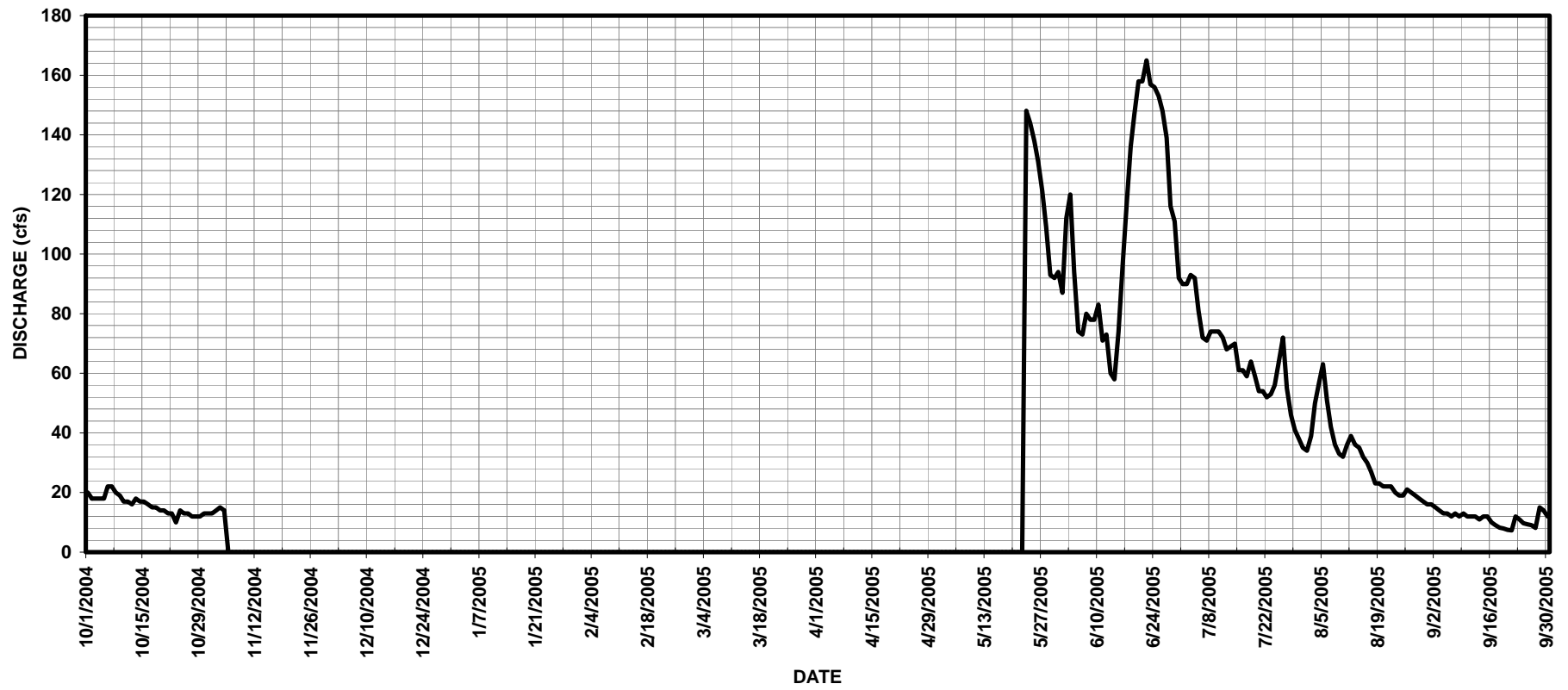
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	13	-	-	-	-	-	-	87	90	34	16
2	18	14	-	-	-	-	-	-	112	90	39	15
3	18	15	-	-	-	-	-	-	120	93	50	14
4	18	14	-	-	-	-	-	-	94	92	57	13
5	18	-	-	-	-	-	-	-	74	81	63	13
6	22	-	-	-	-	-	-	-	73	72	51	12
7	22	-	-	-	-	-	-	-	80	71	42	13
8	20	-	-	-	-	-	-	-	78	74	36	12
9	19	-	-	-	-	-	-	-	78	74	33	13
10	17	-	-	-	-	-	-	-	83	74	32	12
11	17	-	-	-	-	-	-	-	71	72	36	12
12	16	-	-	-	-	-	-	-	73	68	39	12
13	18	-	-	-	-	-	-	-	60	69	36	11
14	17	-	-	-	-	-	-	-	58	70	35	12
15	17	-	-	-	-	-	-	-	74	61	32	12
16	16	-	-	-	-	-	-	-	95	61	30	10
17	15	-	-	-	-	-	-	-	116	59	27	9
18	15	-	-	-	-	-	-	-	136	64	23	8.2
19	14	-	-	-	-	-	-	-	147	59	23	7.9
20	14	-	-	-	-	-	-	-	158	54	22	7.5
21	13	-	-	-	-	-	-	-	158	54	22	7.3
22	13	-	-	-	-	-	-	-	165	52	22	12
23	10	-	-	-	-	-	-	148	157	53	20	11
24	14	-	-	-	-	-	-	144	156	56	19	9.7
25	13	-	-	-	-	-	-	138	153	64	19	9.3
26	13	-	-	-	-	-	-	131	148	72	21	9
27	12	-	-	-	-	-	-	121	139	55	20	8.1
28	12	-	-	-	-	-	-	109	116	46	19	15
29	12	-	-	-	---	-	-	93	111	41	18	14
30	13	-	-	-	---	-	-	92	92	38	17	12
31	13	---	-	-	---	-	---	94	---	35	16	---
TOTAL	489	56	-	-	-	-	-	1070	3262	2014	953	342
MEAN	16	1.87	-	-	-	-	-	34.5	109	65	31	11.4
AC-FT	970	111	-	-	-	-	-	2120	6470	3990	1890	678
MAX	22	15	-	-	-	-	-	148	165	93	63	16
MIN	10	-	-	-	-	-	-	-	58	35	16	7.3

WTR YR 2005 TOTAL 8186 MEAN 22.4 MAX 165 MIN - AC-FT 16240 (PARTIAL YEAR RECORD)

MAX DISCH: 191 CFS AT 07:45 ON Jun. 20, 2005 GH 2.3 FT. SHIFT 0.03 FT.
MAX GH: 2.3 FT. AT 07:45 ON Jun. 20, 2005

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

LEFTHAND DIVERSION AT SO. ST. VRAIN CREEK NEAR WARD CO
WY2005 HYDROGRAPH



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 mi². 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. On March 23, 2003, the gage was moved approximately 0.2 mi upstream. In the new location, the gage is above the Supply Ditch diversion, whereas the old location was below this diversion.

GAGE.--Graphic water stage recorder and satellite monitoring DCP and shaft encoder in a wooden shelter with a stilling well. Primary reference is an electric drop tape down from an RP with the outside chain gage as backup. The DCP log is the primary record with the graphic chart as back-up.

REMARKS.--Primary record is hourly data taken from satellite monitoring using the new well with chart back up from the well. The record is complete and reliable except for the following periods: November 30, 2004-February 28, 2005 when the station was closed was closed for the winter; and June 27-28, 2005 when the DCP failed and chart backup was not available due to the pen not inking. Ice hours were observed and corrected on November 25, 28, and 29 without loss of accuracy. The record is good, except for November 30, 2004-February 28, 2005; and June 27-28, 2005, which were estimated and poor. Station maintained by Merlin Friedrichsen and record developed by Div. 1 Hydrographic Staff.

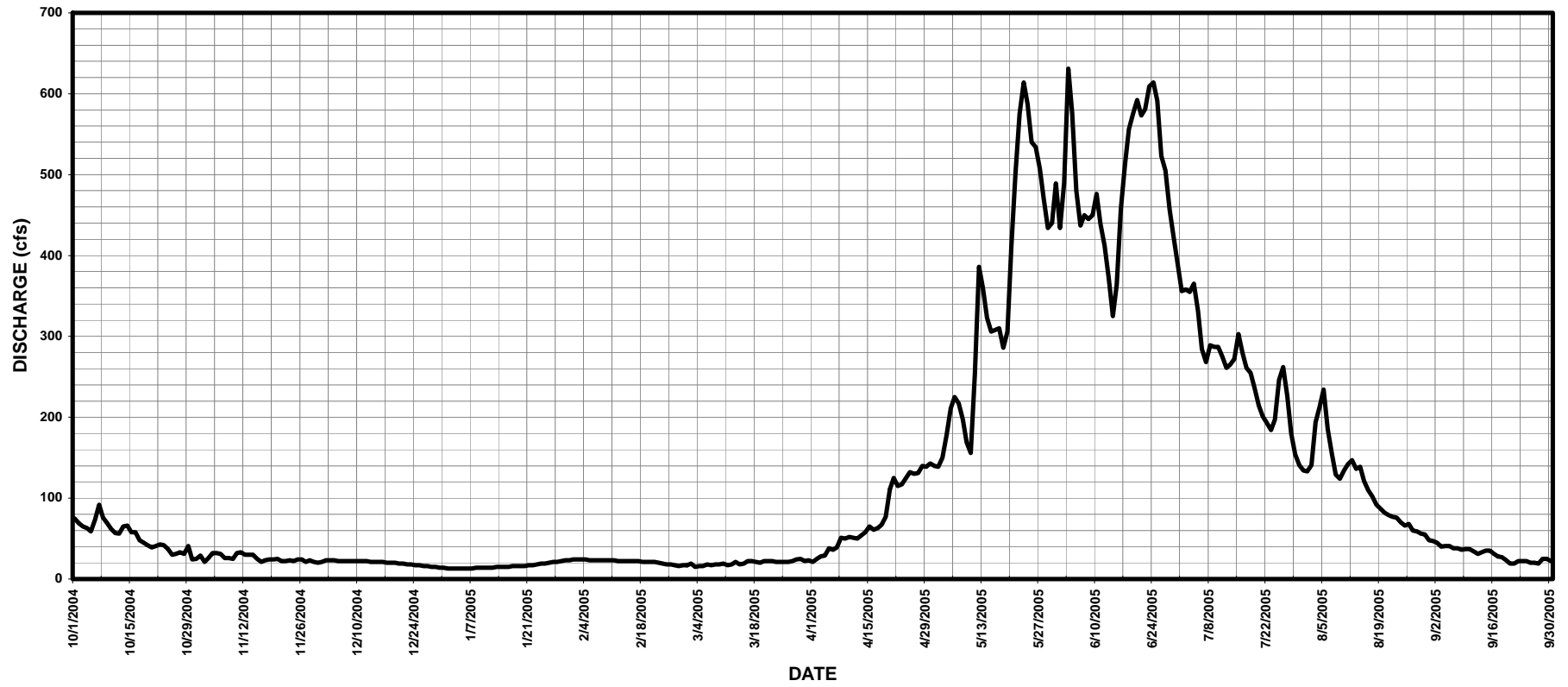
RATING TABLE.--SVCLYOCO24 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	29	21	13	24	17	21	140	434	356	133	47
2	69	21	23	13	24	19	25	139	490	358	141	45
3	65	26	23	13	24	15	28	150	631	355	194	40
4	63	32	23	13	24	16	29	178	576	365	212	41
5	59	32	22	13	23	16	38	211	480	331	234	41
6	73	31	22	13	23	18	36	225	437	284	185	38
7	92	26	22	13	23	17	39	217	450	268	155	38
8	76	26	22	14	23	18	51	197	445	289	129	36
9	69	25	22	14	23	18	50	169	450	287	124	37
10	62	32	22	14	23	19	52	156	476	287	134	37
11	57	33	22	14	23	17	51	254	439	275	142	34
12	56	30	22	14	22	18	50	386	412	261	147	31
13	65	30	21	15	22	21	54	360	372	265	136	33
14	66	30	21	15	22	18	58	323	325	272	139	35
15	58	25	21	15	22	19	65	306	364	303	121	35
16	58	21	21	15	22	22	61	308	458	279	110	31
17	48	23	20	16	22	22	63	310	513	261	102	28
18	45	24	20	16	21	21	67	286	556	255	92	27
19	42	24	20	16	21	20	77	306	575	235	87	23
20	39	25	19	16	21	22	111	410	592	214	82	19
21	41	22	19	17	21	22	125	501	573	201	79	19
22	43	22	18	17	20	22	115	575	581	193	77	22
23	42	23	18	18	19	21	117	614	609	184	76	22
24	37	22	17	19	18	21	125	587	614	197	70	22
25	30	24	17	19	18	21	132	540	591	246	66	20
26	31	24	16	20	17	21	130	534	523	262	68	20
27	33	21	16	21	16	22	131	507	505	226	60	19
28	31	23	15	21	17	24	140	470	457	180	59	25
29	41	21	15	22	---	25	139	434	424	154	56	25
30	24	20	14	23	---	22	143	440	390	141	55	22
31	25	---	14	23	---	23	---	489	---	134	48	---
TOTAL	1615	767	608	505	598	617	2323	10722	14742	7918	3513	912
MEAN	52	26	20	16	21	20	77	346	491	255	113	30
AC-FT	3200	1520	1210	1000	1190	1220	4610	21270	29240	15710	6970	1810
MAX	92	33	23	23	24	25	143	614	631	365	234	47
MIN	24	20	14	13	16	15	21	139	325	134	48	19
WTR YR 2005	TOTAL	44840	MEAN	123	MAX	631	MIN	13	AC-FT	88940		

MAX DISCH: 1160 CFS AT 15:00 ON Jun. 3, 2005 GH 3.75 FT. SHIFT -0.04 FT.
MAX GH: 3.75 FT. AT 15:00 ON Jun. 3, 2005

06724000 ST. VRAIN CREEK AT LYONS CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Water-stage recorder and data collection platform in wooden shelter with concrete well at a compound sharp-crested weir. DCP is the primary record with chart recorder as backup. The DCP was upgraded to a High Data Rate (HDR) during the 2002 Water Year. A new continuous graphic stage recorder was installed in June of 2003 and the weekly recorder was removed.

REMARKS.--Record is complete and reliable and good, except for the following periods, which are considered poor when the stage-discharge relation was affected by ice on the weir and inlets freezing: November 30, December 1-4, 6-8, and 22-25, 2004; January 3-8, 13-16, 31, February 1, 2, 9-11, 16-18, March 14-16, 2005. Given the indeterminate ice conditions, all other days during the period from November 30 to March 15 should be considered fair due to possible ice. In the summer, tree limbs caught on the weir occasionally affect gage heights. Any debris or ice on the control would normally be cleared weekly the City of Boulder operator, so any datum corrections for debris are only normally applied for short periods. Station maintained by City of Boulder and record developed by Lee Cunning.

RATING TABLE.--BOCMIDCO07 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

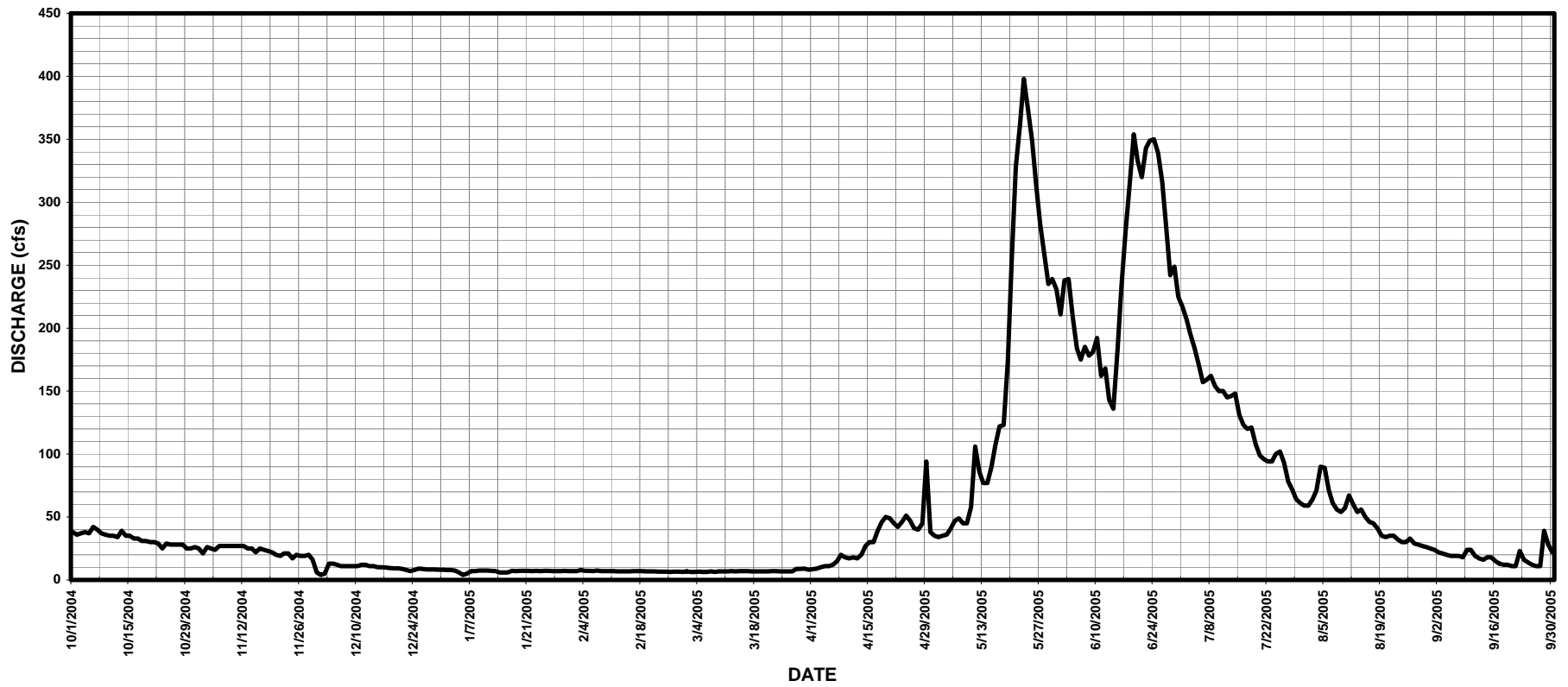
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	25	4	8	7	6.8	8.6	35	211	217	59	24
2	36	21	5	8	7	6.4	8.9	34	238	207	64	22
3	37	26	13	7.5	7.9	6.4	10	35	239	195	71	21
4	38	25	13	6	7.3	6.5	11	36	209	184	90	20
5	37	24	12	4	7.2	6.3	11	41	184	171	89	19
6	42	27	11	5	7	6.4	12	47	175	157	71	19
7	40	27	11	7	7.4	6.7	15	49	185	159	61	19
8	37	27	11	7	7	6.4	20	45	178	162	56	18
9	36	27	11	7.5	7	6.7	18	45	181	154	54	24
10	35	27	11	7.5	7	6.7	17	58	192	150	57	24
11	35	27	12	7.4	7	6.8	18	106	162	150	67	19
12	34	27	12	7.3	6.9	7.1	17	86	168	145	60	17
13	39	25	11	7	6.7	6.8	20	77	143	146	54	16
14	35	25	11	6	6.9	7	27	77	136	148	56	18
15	35	22	10	6	6.7	7	30	90	182	131	50	18
16	33	25	10	6	7	7	30	107	232	123	46	15
17	33	24	9.8	7.3	7	6.7	39	122	276	120	45	13
18	31	23	9.4	7.1	7	6.8	46	123	314	121	41	12
19	31	22	9.3	7.2	6.8	6.7	50	173	354	108	35	12
20	30	20	9.2	7.3	6.7	6.7	49	253	333	99	34	11
21	30	19	8.8	7.2	6.7	6.7	45	328	320	96	35	11
22	29	21	8	7.1	6.6	7.1	42	361	343	94	35	23
23	25	21	7	7.2	6.6	7.1	46	398	349	94	32	16
24	29	17	8	7.1	6.5	6.7	51	374	350	100	30	14
25	28	20	9	7.2	6.4	6.9	47	349	339	102	30	12
26	28	19	8.7	7.2	6.5	6.7	41	313	316	93	33	11
27	28	19	8.3	7.1	6.5	6.9	40	283	281	78	29	11
28	28	20	8.3	7.1	6.4	8.7	45	259	242	72	28	39
29	25	16	8.3	7	---	8.8	94	235	249	64	27	28
30	25	6	8.2	7.2	---	8.9	38	239	225	61	26	22
31	26	---	8.2	7	---	8.2	---	231	---	59	25	---
TOTAL	1013	674	296.5	214.5	192.7	216.6	946.5	5009	7306	3960	1490	548
MEAN	33	22.5	9.6	6.9	6.9	7	31.6	162	244	128	48	18
AC-FT	2010	1340	588	425	382	430	1880	9940	14490	7850	2960	1090
MAX	42	27	13	8	7.9	8.9	94	398	354	217	90	39
MIN	25	6	4	4	6.4	6.3	8.6	34	136	59	25	11

WTR YR 2005 TOTAL 21866.8 MEAN 59.9 MAX 398 MIN 4 AC-FT 43370

MAX DISCH: 452 CFS AT 20:30 ON May. 22, 2005 GH 3.12 FT. SHIFT 0 FT.
MAX GH: 3.12 FT. AT 20:30 ON May. 22, 2005

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

06725500 MIDDLE BOULDER CREEK AT NEDERLAND CO
WY2005 HYDROGRAPH



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.--Stevens A35 graphic water-stage recorder and Sutron 8210 DCP with shaft encoder in a 6 foot by 6 foot exposed aggregate concrete shelter with a 54-inch corrugated metal well. The primary reference is a tape down from RP. There is an outside staff gage across the stream that reads approximately 1 foot lower than gage datum. The data collection platform (DCP) provides the primary record. The station now includes a pressure transducer installed by Urban Drainage and Flood Control District.

REMARKS.--Primary record is taken from hourly satellite data, with graphic chart as backup. Record is complete and reliable, except for the winter record ,January 1, 2005-March 9, 2005. The station was turned off from January 7, 2005 through March 9, 2005. Chart record was used May 16-17; May 22-25; May 28-31; June 2-4, June 8-20; when the DCP was plagued with multiple failures. Record is good, except for the period January 1-March 9, 2005 which is estimated and poor due to ice. The instantaneous peak of 723 cfs is fair as it is above the measured range of the rating. Station maintained by Russell Stroud and Lee Cunning and record developed by Russell Stroud.

RATING TABLE.--BOCOROC014 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

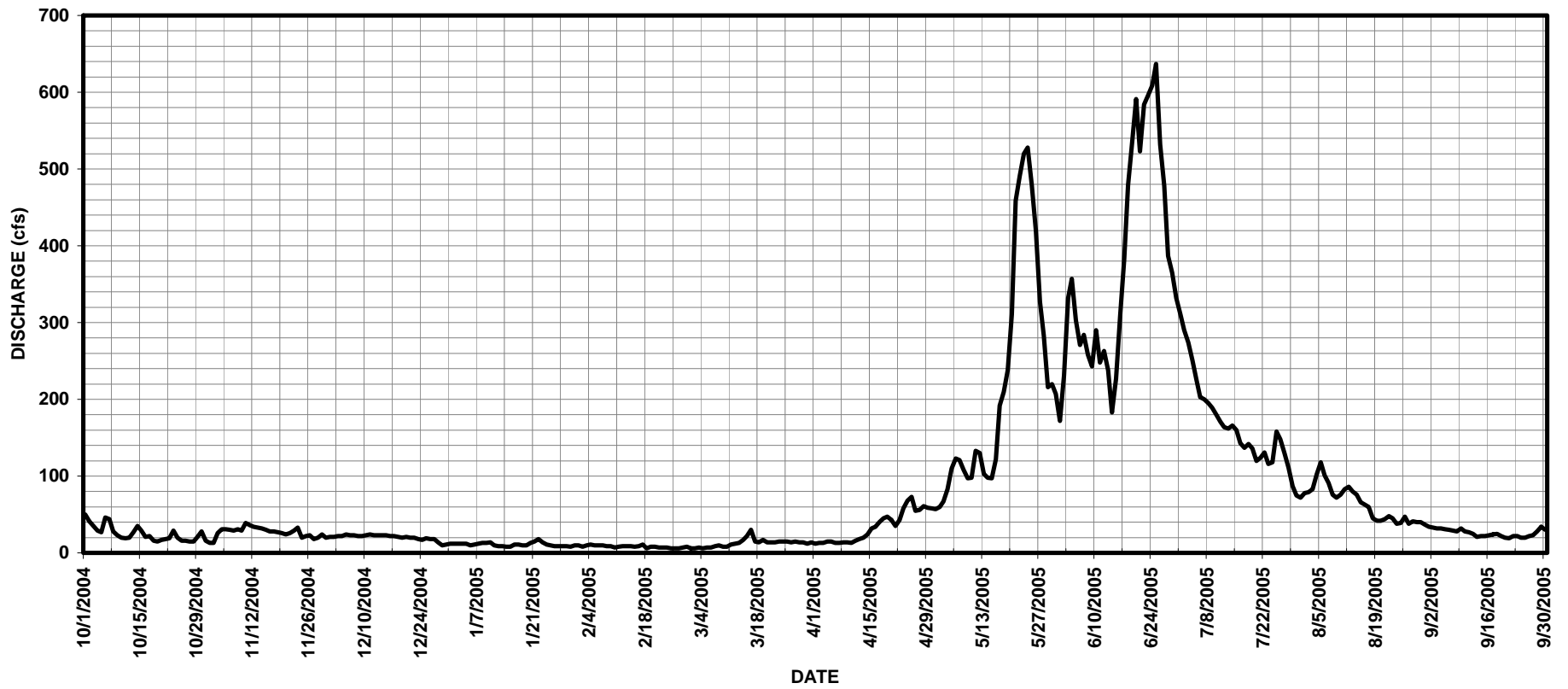
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	13	21	12	10	6	12	57	172	311	78	34
2	41	13	21	12	8	6	13	60	231	290	79	33
3	35	26	22	12	10	7	13	67	332	274	83	32
4	29	31	22	12	11	6	15	83	357	251	102	32
5	27	31	24	10	10	7	15	110	303	227	118	31
6	46	30	23	11	10	7	13	123	271	203	101	30
7	44	29	23	12	10	9	13	121	284	200	91	29
8	28	31	22	13	9	10	14	108	258	195	76	28
9	23	29	22	13	9	8	14	97	243	189	72	32
10	20	39	23	14	7	8.1	13	98	290	180	76	28
11	19	36	24	10	8	11	16	133	248	171	83	27
12	20	34	23	9	9	12	18	130	263	164	86	25
13	27	33	23	9	9	13	20	103	238	162	80	21
14	35	32	23	8	9	17	24	98	183	166	76	22
15	29	30	23	8	8	22	32	97	227	160	66	22
16	21	28	22	11	9	30	34	122	309	143	63	23
17	22	28	22	11	11	15	40	192	383	137	60	24
18	16	27	21	10	6	14	45	210	479	142	45	25
19	15	26	20	10	8	17	47	238	535	136	42	22
20	17	24	21	13	8	14	43	311	591	120	42	20
21	18	26	20	15	7	14	35	459	523	124	44	19
22	19	29	20	18	7	14	43	491	584	131	48	22
23	29	33	18	14	7	15	58	520	596	116	45	22
24	20	20	17	11	6	15	68	528	609	118	38	20
25	16	22	19	10	6	15	73	479	637	158	39	20
26	16	23	18	9	6	14	55	420	532	148	47	22
27	15	18	18	9	7	15	56	327	478	130	38	23
28	15	20	14	9	8	14	61	283	387	111	41	28
29	21	24	10	9	---	14	59	216	365	87	40	34
30	28	20	11	8	---	12	58	220	332	75	40	30
31	16	---	12	10	---	14	---	207	---	72	37	---
TOTAL	777	805	622	342	233	395.1	1020	6708	11240	5091	1976	780
MEAN	25	27	20	11	8.3	12.7	34	216	375	164	64	26
AC-FT	1540	1600	1230	678	462	784	2020	13310	22290	10100	3920	1550
MAX	50	39	24	18	11	30	73	528	637	311	118	34
MIN	15	13	10	8	6	6	12	57	172	72	37	19

WTR YR 2005 TOTAL 29989.1 MEAN 82.2 MAX 637 MIN 6 AC-FT 59480

MAX DISCH: 723 CFS AT 05:15 ON Jun. 25, 2005 GH 3.41 FT. SHIFT 0.03 FT.
MAX GH: 3.41 FT. AT 05:15 ON Jun. 25, 2005

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

0672700 BOULDER CREEK NEAR ORODELL CO
WY2005 HYDROGRAPH



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 and satellite monitoring DCP with shaft encoder in timber shelter and concrete well at 25' Parshall flume with supplemental outside staff. The primary reference is an electric tape gage. The DCP, updated to high data rate in 2002, is the primary record with chart backup. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--Primary record is hourly DCP data with chart back up. The record is complete and reliable with exception of July 26-September 6 due to shelter construction. Chart record was used to fill in missing DCP data for periods in April and September. GH data were provided by Denver Water for the July 26-September 6 period due to no primary or secondary record. Data entry was checked against Denver Water spreadsheets and found to be accurate. Reservoir operators recorded GH's before and after every gate change (usually around 8 am), and then kept the release constant. The record is rated good. except for the period: July 26-September 6 which is rated fair due to removal of the gage shelter and equipment while renovations took place. Station maintained by Lee Cuning and record developed by Div. 1 Hydrographic Staff.

RATING TABLE.--STD25FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

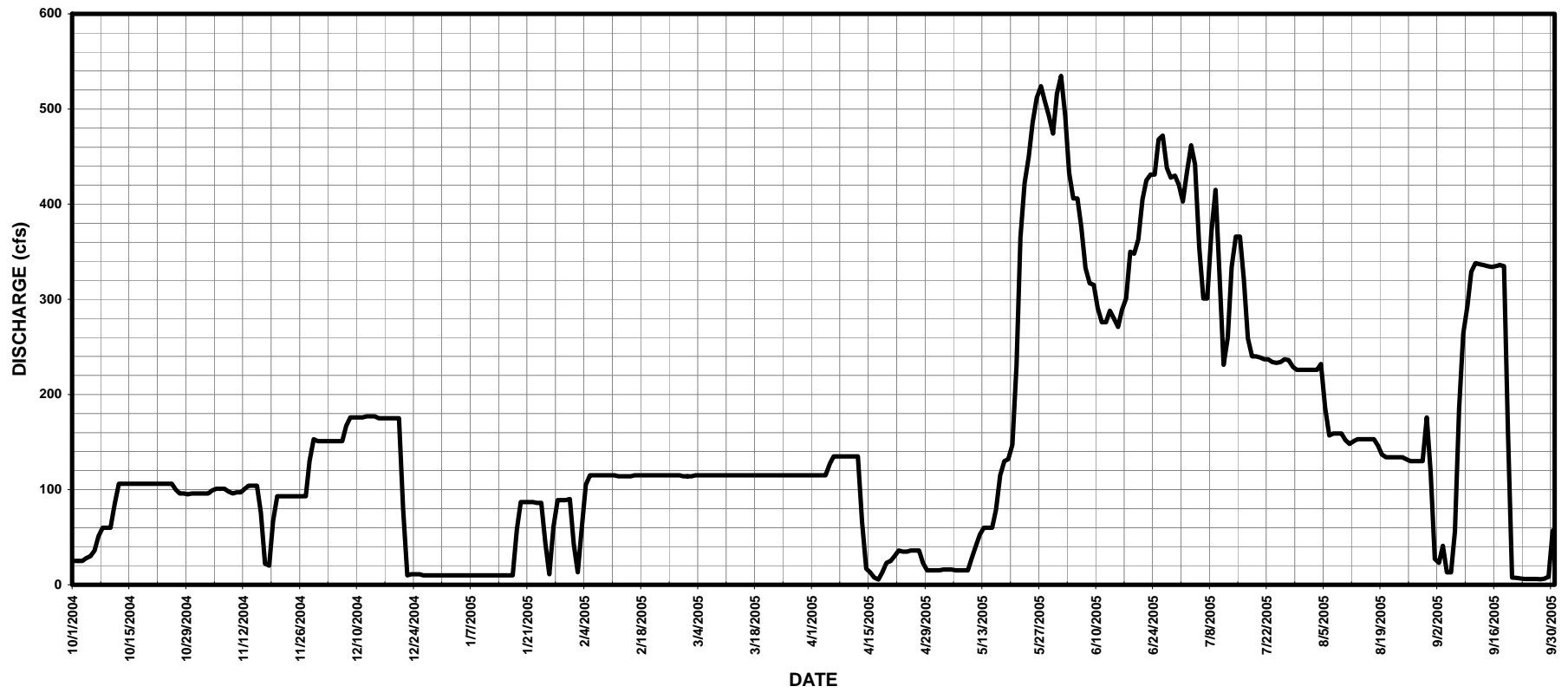
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	96	151	10	43	114	115	15	535	403	226	27
2	25	96	151	10	13	114	115	15	493	434	226	23
3	25	96	151	10	61	115	115	16	433	462	226	41
4	28	99	151	10	105	115	115	16	406	442	232	13
5	30	101	151	10	115	115	127	16	406	355	186	13
6	36	101	151	10	115	115	135	15	376	301	157	56
7	51	101	167	10	115	115	135	15	333	301	159	185
8	60	98	176	10	115	115	135	15	317	371	159	264
9	60	96	176	10	115	115	135	15	315	415	159	293
10	60	97	176	10	115	115	135	28	291	327	152	329
11	85	97	176	10	115	115	135	41	276	231	148	338
12	106	101	177	10	114	115	135	53	276	260	151	337
13	106	104	177	10	114	115	66	60	288	334	153	336
14	106	104	177	10	114	115	17	60	280	366	153	335
15	106	104	175	10	114	115	13	60	271	366	153	334
16	106	76	175	10	115	115	7.7	79	289	321	153	335
17	106	22	175	10	115	115	5.6	115	301	259	153	336
18	106	20	175	58	115	115	13	130	350	240	146	335
19	106	67	175	87	115	115	23	132	348	240	137	163
20	106	93	175	87	115	115	25	147	363	239	134	7.5
21	106	93	79	87	115	115	30	231	405	237	134	7.2
22	106	93	10	87	115	115	36	365	425	237	134	6.7
23	106	93	11	86	115	115	35	422	431	234	134	6.1
24	106	93	11	86	115	115	35	450	431	233	134	6.1
25	106	93	11	43	115	115	36	486	468	234	132	6.1
26	100	93	10	11	115	115	36	512	472	237	130	6
27	96	93	10	61	115	115	36	524	438	236	130	5.9
28	96	130	10	89	114	115	23	508	428	229	130	6.5
29	95	153	10	89	---	115	15	493	430	226	130	8.3
30	96	151	10	89	---	115	15	474	420	226	176	57
31	96	---	10	90	---	115	---	516	---	226	118	---
TOTAL	2548	2854	3540	1220	2977	3563	1999.3	6024	11295	9222	4845	4216.4
MEAN	82	95	114	39	106	115	66.6	194	377	297	156	141
AC-FT	5050	5660	7020	2420	5900	7070	3970	11950	22400	18290	9610	8360
MAX	106	153	177	90	115	115	135	524	535	462	232	338
MIN	25	20	10	10	13	114	5.6	15	271	226	118	5.9

WTR YR 2005 TOTAL 54303.7 MEAN 149 MAX 535 MIN 5.6 AC-FT 107700

MAX DISCH: 558 CFS AT 14:00 ON May. 31, 2005 GH 3.03 FT. SHIFT 0 FT.
MAX GH: 3.03 FT. AT 14:00 ON May. 31, 2005

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

06729450 SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK CO
WY2005 HYDROGRAPH



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 data is primary record with chart as backup. DCP record is complete and reliable. The record is good. Station maintained by Lee Cunning and record developed by Div. 1 Hydrographic Staff.

RATING TABLE.--STD12FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

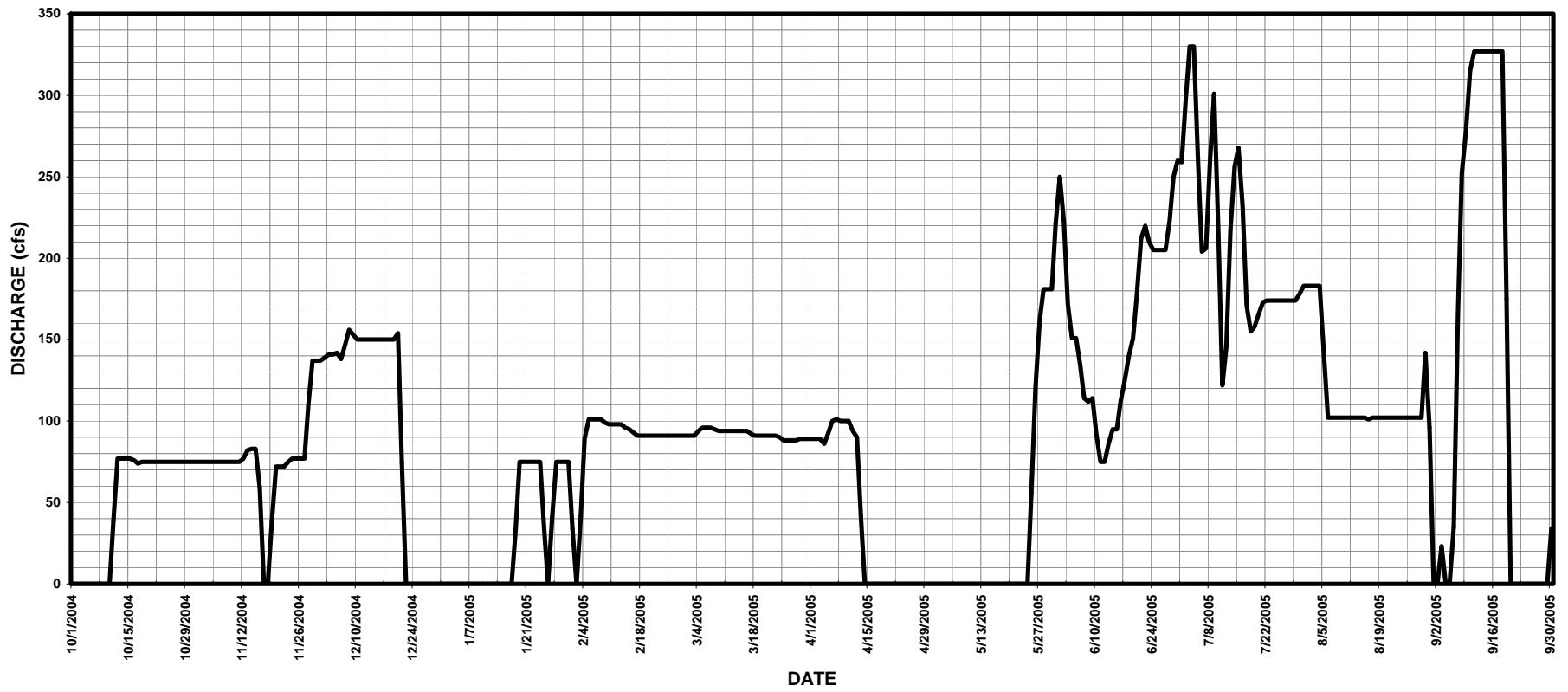
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	75	137	0	34	91	89	0	250	259	183	.07
2	0	75	139	0	0	91	89	0	222	298	183	.02
3	0	75	141	0	41	91	89	0	172	330	183	.23
4	0	75	141	0	89	94	86	0	151	330	183	.12
5	0	75	142	0	101	96	93	0	151	260	142	.06
6	0	75	138	0	101	96	100	0	134	204	102	.35
7	0	75	147	0	101	96	101	0	114	206	102	.165
8	0	75	156	0	101	95	100	0	112	262	102	.252
9	0	75	153	0	99	94	100	0	114	301	102	.278
10	0	75	150	0	98	94	100	0	92	219	102	.315
11	39	75	150	0	98	94	94	0	75	122	102	.327
12	77	77	150	0	98	94	90	0	75	145	102	.327
13	77	82	150	0	98	94	42	0	86	217	102	.327
14	77	83	150	0	96	94	0	0	95	256	102	.327
15	77	83	150	0	95	94	0	0	95	268	102	.327
16	76	59	150	0	93	94	0	0	112	232	101	.327
17	74	0	150	0	91	92	0	0	125	171	102	.327
18	75	0	150	34	91	91	0	0	140	155	102	.327
19	75	39	150	75	91	91	0	0	151	158	102	.175
20	75	72	154	75	91	91	0	0	178	166	102	0
21	75	72	74	75	91	91	0	0	212	173	102	0
22	75	72	0	75	91	91	0	0	220	174	102	0
23	75	75	0	75	91	91	0	0	210	174	102	0
24	75	77	0	75	91	90	0	0	205	174	102	0
25	75	77	0	35	91	88	0	56	205	174	102	0
26	75	77	0	0	91	88	0	121	205	174	102	0
27	75	77	0	41	91	88	0	162	205	174	102	0
28	75	110	0	75	91	88	0	181	223	174	102	0
29	75	137	0	75	---	89	0	181	250	174	102	0
30	75	137	0	75	---	89	0	181	260	178	142	.34
31	75	---	0	75	---	89	---	221	---	183	96	---
TOTAL	1547	2231	3022	860	2435	2849	1173	1103	4839	6485	3559	3893.27
MEAN	49.9	74.4	97.5	27.7	87	92	39.1	35.6	161	209	115	130
AC-FT	3070	4430	5990	1710	4830	5650	2330	2190	9600	12860	7060	7720
MAX	77	137	156	75	101	96	101	221	260	330	183	327
MIN	0	0	0	0	0	88	0	0	75	122	96	0

WTR YR 2005 TOTAL 33996.27 MEAN 93.1 MAX 330 MIN 0 AC-FT 67430

MAX DISCH: 331 CFS AT 20:15 ON Jul. 2, 2005 GH 3.4 FT. SHIFT 0 FT.
MAX GH: 3.4 FT. AT 20:15 ON Jul. 2, 2005

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

**SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS CO
WY2005 HYDROGRAPH**



PLATTE RIVER BASIN

06729500 SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, CO

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

DRAINAGE AREA.--109 mi².

GAGE.--Graphic water stage recorder and Sutron High Data Rate (HDR) satellite monitoring DCP in metal box shelter and corrugated metal pipe well. Supplemental outside chain gage. The data collection platform (DCP) is the primary record having the graphic chart as a backup.

REMARKS.--Record is complete and reliable except for the following periods: December 21, 2004 to January 6, 2005 due to ice effect; and January 7, 2005 - March 10, 2005 when the station was closed for winter. While checking the record, a +0.01 datum correction was applied from October 1, 2004 to September 30, 2005 to account for a constant discrepancy between the primary satellite data vs. the visit log data. It appears as though the DCP has an offset of -0.01. This assumption has not been confirmed/corrected but will be done in the near future. The record is good, except for December 21, 2004 - March 10, 2005, which is estimated and fair. Station maintained by Russell Stroud and record developed by Lee Cuning and Russell Stroud.

RATING TABLE.--BOCELSCO23 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

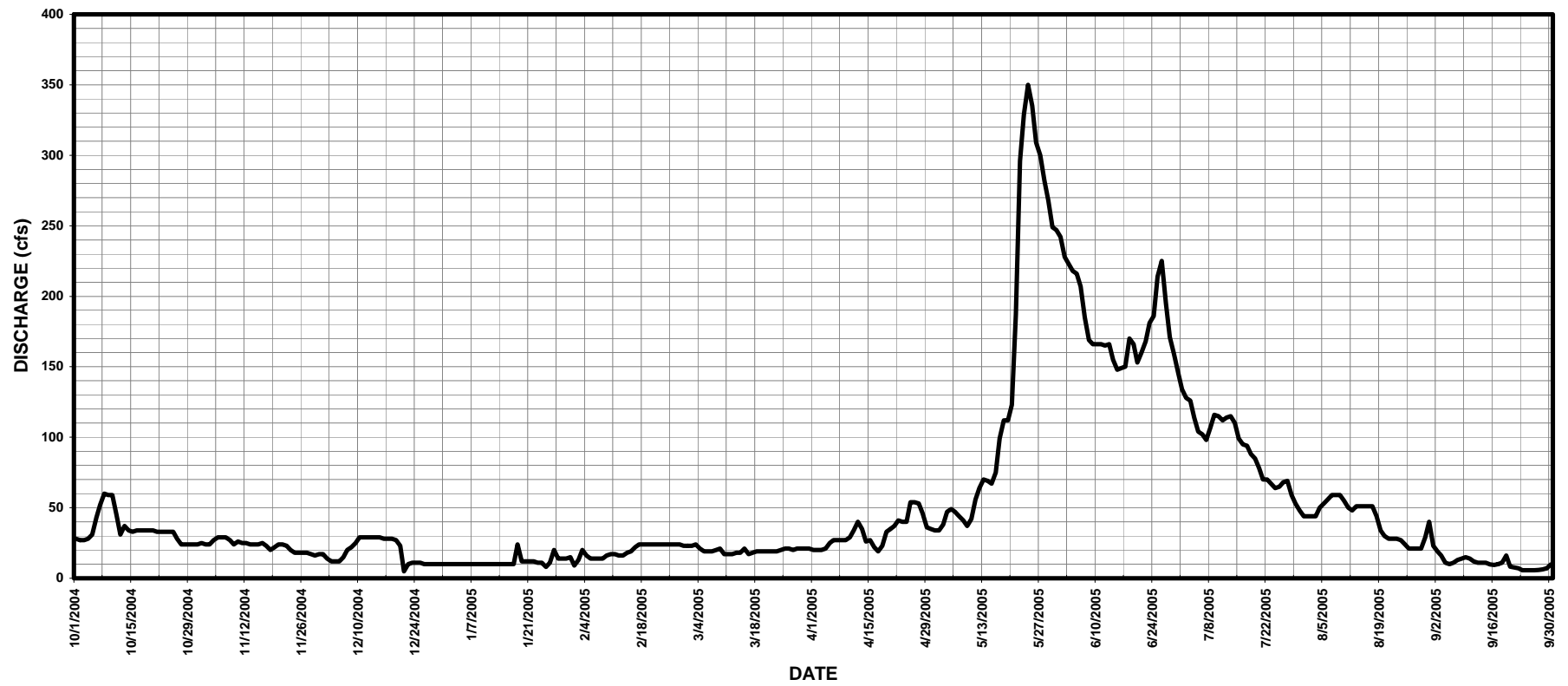
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	25	17	10	9	23	20	34	242	134	44	23
2	27	24	14	10	13	23	20	34	228	128	44	19
3	27	24	12	10	20	24	20	38	223	126	44	16
4	28	27	12	10	16	21	21	47	218	114	50	11
5	31	29	12	10	14	19	25	49	216	104	53	10
6	43	29	15	10	14	19	27	47	207	102	56	11
7	52	29	20	10	14	19	27	44	185	98	59	13
8	60	27	22	10	14	20	27	41	169	107	59	14
9	59	24	25	10	16	21	27	37	166	116	59	15
10	59	26	29	10	17	17	29	42	166	115	55	14
11	45	25	29	10	17	17	34	56	166	112	50	12
12	31	25	29	10	16	17	40	64	165	114	48	11
13	37	24	29	10	16	18	35	70	166	115	51	11
14	34	24	29	10	18	18	26	69	155	110	51	11
15	33	24	29	10	19	21	27	67	148	99	51	9.8
16	34	25	28	10	22	17	22	75	149	95	51	9.5
17	34	23	28	10	24	18	19	99	150	94	51	10
18	34	20	28	24	24	19	23	112	170	88	44	11
19	34	22	27	12	24	19	33	112	166	85	34	16
20	34	24	23	12	24	19	35	123	153	78	30	8.2
21	33	24	5	12	24	19	37	187	160	70	28	7.7
22	33	23	10	12	24	19	41	296	168	70	28	7.1
23	33	20	11	11	24	19	40	329	181	67	28	5.6
24	33	18	11	11	24	20	40	350	186	64	27	5.6
25	33	18	11	8	24	21	54	335	214	65	24	5.6
26	28	18	10	11	24	21	54	309	225	68	21	5.6
27	24	18	10	20	24	20	53	300	195	69	21	5.8
28	24	17	10	14	23	21	46	282	171	59	21	6.3
29	24	16	10	14	---	21	36	268	159	53	21	7
30	24	17	10	14	---	21	35	249	146	48	29	9.9
31	24	---	10	15	---	21	---	247	---	44	40	---
TOTAL	1077	689	565	360	542	612	973	4412	5413	2811	1272	321.7
MEAN	35	23	18.2	11.6	19.4	20	32	142	180	91	41	10.7
AC-FT	2140	1370	1120	714	1080	1210	1930	8750	10740	5580	2520	638
MAX	60	29	29	24	24	24	54	350	242	134	59	23
MIN	24	16	5	8	9	17	19	34	146	44	21	5.6

WTR YR 2005 TOTAL 19047.7 MEAN 52.2 MAX 350 MIN 5 AC-FT 37780

MAX DISCH: 366 CFS AT 05:00 ON May. 25, 2005 GH 3.15 FT. SHIFT -0.17 FT. DATUM CORRECTION +0.01 FT.
MAX GH: 3.15 FT. AT 05:00 ON May. 25, 2005

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

06729500 SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS CO
WY2005 HYDROGRAPH



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 mi²; 1959 to present.

GAGE.--Graphic water-stage recorder and satellite monitoring in a 42-inch diameter corrugated metal shelter. The primary reference is a drop tape with 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 days, which appeared to be ice affected and were estimated: November 30, December 1, 2, 22-24, 2004; January 2, 3, 13-15, and February 1, 9-11, 15-18, 2005. Ice affect was possible at the gage from November 29, 2004 thru February 18. Ice affects included backwater from ice on the control and ice in the well interfering with the readings. Usable GH record is still possible with ice on the control. The record is considered good, except for the winter period November 29 to February 18. These days are considered estimated and poor due to ice affect: November 30, December 1, 2, 22-24, 2004; January 2, 3, 13-15, and February 1, 9-11, 15-18, 2005. All other days between November 29, 2004 and February 18, 2005 are considered fair due to possible ice-affect. Station maintained and record developed by Steve Barrett.

RATING TABLE.-- \COCREPC009 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

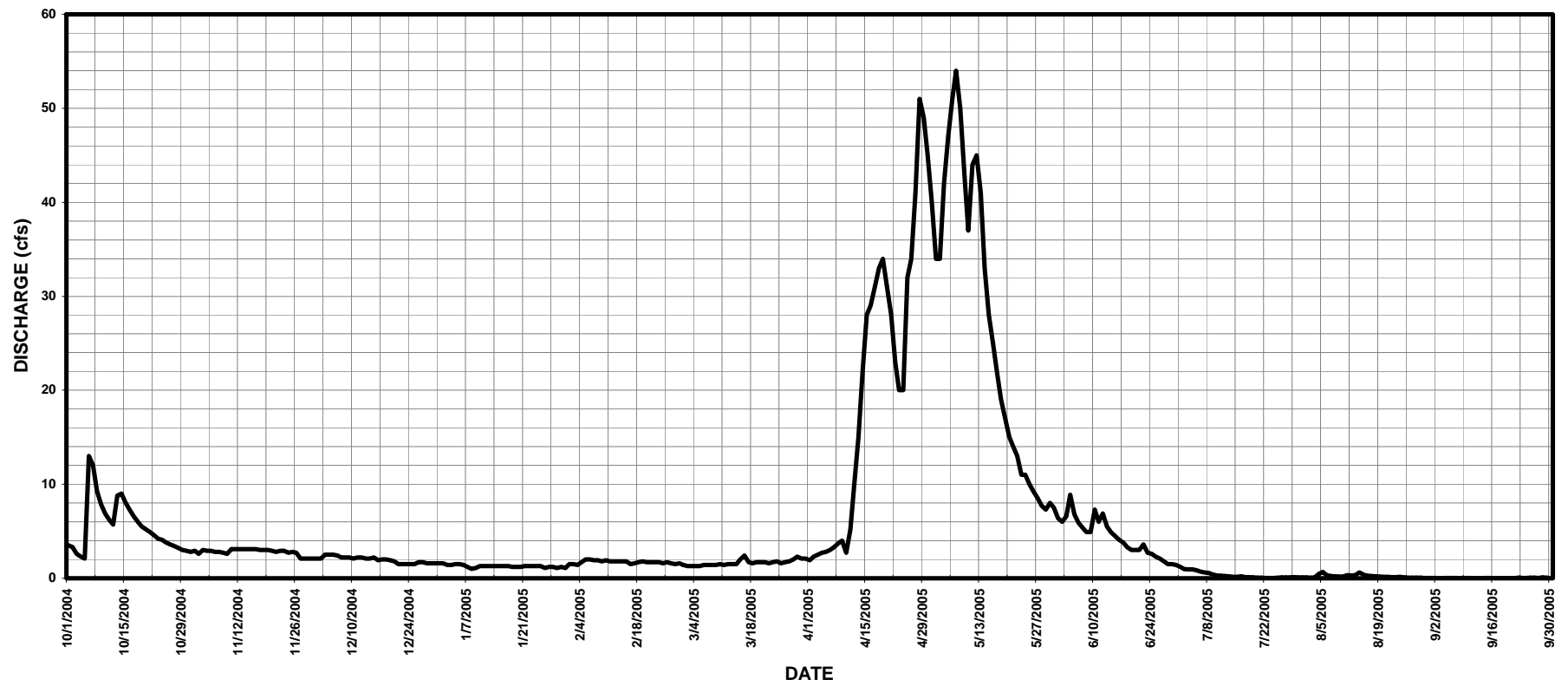
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	2.9	2.1	1.6	1.5	1.4	1.9	40	6.4	1.2	.1	.03
2	3.3	2.6	2.1	1.4	1.5	1.3	2.3	34	6	.98	.07	.02
3	2.6	3	2.5	1.4	1.4	1.3	2.5	34	6.6	.95	.08	.01
4	2.3	2.9	2.5	1.5	1.7	1.3	2.7	42	8.9	.94	.43	.02
5	2.1	2.9	2.5	1.5	2	1.3	2.8	47	6.8	.85	.67	.02
6	13	2.8	2.4	1.4	2	1.4	3	51	5.9	.72	.32	.03
7	12	2.8	2.2	1.2	1.9	1.4	3.3	54	5.4	.62	.25	.02
8	9.3	2.7	2.2	1	1.9	1.4	3.7	50	4.9	.55	.21	.01
9	7.9	2.6	2.2	1.1	1.8	1.4	4	43	4.9	.41	.17	.03
10	6.9	3.1	2.1	1.3	1.9	1.5	2.7	37	7.3	.29	.19	.03
11	6.2	3.1	2.2	1.3	1.8	1.4	5.2	44	6	.26	.31	0
12	5.7	3.1	2.2	1.3	1.8	1.5	10	45	6.9	.24	.29	0
13	8.8	3.1	2.1	1.3	1.8	1.5	15	41	5.5	.22	.33	.01
14	9	3.1	2.1	1.3	1.8	1.5	22	33	4.9	.14	.61	.04
15	8.1	3.1	2.2	1.3	1.8	2	28	28	4.5	.15	.39	.02
16	7.3	3.1	1.9	1.3	1.5	2.4	29	25	4.1	.22	.26	.01
17	6.6	3	2	1.3	1.6	1.7	31	22	3.8	.12	.23	.01
18	6	3	2	1.2	1.7	1.6	33	19	3.3	.12	.2	0
19	5.5	3	1.9	1.2	1.8	1.7	34	17	3	.08	.17	.01
20	5.2	2.9	1.8	1.2	1.7	1.7	31	15	3	.06	.16	.01
21	4.9	2.8	1.5	1.3	1.7	1.7	28	14	3	.05	.14	0
22	4.6	2.9	1.5	1.3	1.7	1.6	23	13	3.6	.04	.12	.06
23	4.2	2.9	1.5	1.3	1.7	1.7	20	11	2.7	.04	.12	.04
24	4.1	2.7	1.5	1.3	1.6	1.8	20	11	2.6	.04	.14	.04
25	3.8	2.8	1.5	1.3	1.7	1.6	32	10	2.3	.06	.1	.07
26	3.6	2.7	1.7	1.1	1.6	1.7	34	9.2	2.1	.1	.06	.05
27	3.4	2.1	1.7	1.2	1.5	1.8	41	8.5	1.8	.09	.07	.03
28	3.2	2.1	1.6	1.2	1.6	2	51	7.7	1.5	.1	.06	.09
29	3	2.1	1.6	1.1	---	2.3	49	7.3	1.5	.12	.05	.06
30	2.9	2.1	1.6	1.2	---	2.1	45	8	1.4	.1	.04	.01
31	2.8	---	1.6	1.1	---	2.1	---	7.5	---	.09	.04	---
TOTAL	171.8	84	60.5	39.5	48	51.1	610.1	828.2	130.6	9.95	6.38	.78
MEAN	5.5	2.8	2	1.3	1.7	1.7	20.3	26.7	4.4	.32	.21	.03
AC-FT	341	167	120	78	95	101	1210	1640	259	20	13	1.5
MAX	13	3.1	2.5	1.6	2	2.4	51	54	8.9	1.2	.67	.09
MIN	2.1	2.1	1.5	1	1.4	1.3	1.9	7.3	1.4	.04	.04	0

WTR YR 2005 TOTAL 2040.91 MEAN 5.59 MAX 54 MIN 0 AC-FT 4050

MAX DISCH: 56 CFS AT 01:30 ON May. 7, 2005 GH 1.34 FT. SHIFT 0.01 FT.
MAX GH: 1.34 FT. AT 01:30 ON May. 7, 2005

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

06730300 COAL CREEK NEAR PLAINVIEW CO
WY2005 HYDROGRAPH



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 mi²; 1927 to present.

GAGE.--Graphic water-stage recorder and satellite monitoring DCP in a 54 inch metal pipe shelter and well. Data collection platform is the primary record with graphic chart as backup. In 2004, the stilling well inlet pipes were extended further out into the stream past the sand bar that formed between the county road bridge upstream and the gage. The station and stilling well worked fine in 2005.

REMARKS.--The primary record is hourly satellite data from the stilling well. The days of November 24-25 were estimated. These estimates were very close to the calculated values with a huge shift change on the 24th. The homeowner on the north side of the river just opposite the station dumped many loads of riprap into the river just below the station to help stop bank erosion. This necked down the channel and "ponded" up the river through the control section. The days of June 29, 30; July 1, 27, 28; and August 6, 7 were also estimated because of plugged inlets on the downside of the runoff hydrograph. The record is good except for the following days: November 24-25 when the riprap was dumped in the river; and the following days when the inlets were plugged: June 29, 30; July 1, 27, 28; and August 6, 7. These flows should be considered fair. Station maintained and record developed by George Sievers.

RATING TABLE.--SVCPLACO27 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

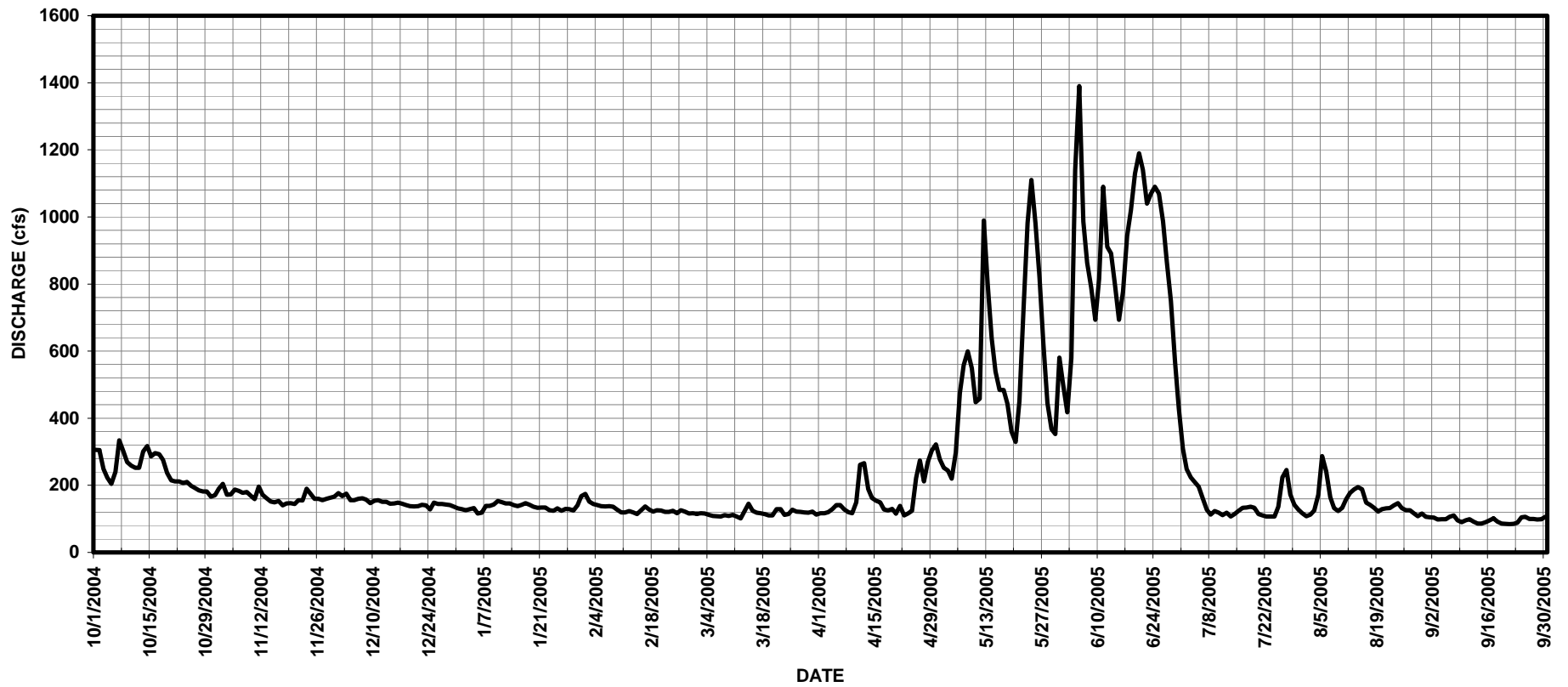
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	306	190	177	129	174	115	117	278	499	310	108	105
2	305	204	168	126	152	117	117	252	418	248	113	104
3	249	172	175	129	144	116	120	244	580	224	125	98
4	223	173	156	132	141	112	129	220	1140	209	172	99
5	204	187	156	116	138	109	141	298	1390	196	287	99
6	240	183	160	118	137	108	141	475	986	161	242	106
7	334	178	161	139	138	107	128	558	864	127	165	110
8	302	180	157	139	136	111	120	599	789	113	132	96
9	269	169	147	143	127	109	117	549	693	123	123	90
10	259	159	154	153	119	112	149	448	815	118	133	96
11	252	196	156	150	119	107	261	458	1090	111	158	99
12	252	172	151	146	123	101	266	989	911	118	178	92
13	301	161	151	146	119	124	189	803	891	107	188	86
14	317	152	145	141	114	145	162	638	793	114	195	86
15	286	149	146	138	126	124	154	539	693	124	188	90
16	296	153	148	142	137	118	149	484	778	133	148	96
17	293	140	145	147	128	117	128	484	943	134	142	101
18	276	146	141	142	122	114	125	443	1020	136	133	92
19	237	147	138	136	126	110	130	360	1130	133	122	86
20	215	144	137	133	125	110	116	329	1190	114	129	85
21	212	156	138	134	121	129	139	451	1140	110	131	84
22	212	155	142	134	121	129	110	723	1040	107	132	85
23	207	190	140	126	124	112	116	982	1070	107	140	88
24	210	175	128	124	117	114	124	1110	1090	107	147	105
25	199	160	148	131	126	127	221	981	1070	136	132	106
26	192	160	144	124	122	122	274	818	987	224	126	100
27	185	156	144	130	116	121	212	623	866	246	126	100
28	182	160	143	129	117	119	269	445	749	173	117	98
29	182	163	141	125	---	118	304	367	570	142	108	99
30	166	166	136	140	---	122	322	353	430	127	116	106
31	170	---	131	168	---	113	---	581	---	117	106	---
TOTAL	7533	4996	4604	4210	3609	3612	5050	16882	26625	4649	4562	2887
MEAN	243	167	149	136	129	117	168	545	888	150	147	96
AC-FT	14940	9910	9130	8350	7160	7160	10020	33490	52810	9220	9050	5730
MAX	334	204	177	168	174	145	322	1110	1390	310	287	110
MIN	166	140	128	116	114	101	110	220	418	107	106	84

WTR YR 2005 TOTAL 89219 MEAN 244 MAX 1390 MIN 84 AC-FT 177000

MAX DISCH: 1660 CFS AT 02:45 ON Jun. 5, 2005 GH 6.51 FT. SHIFT -0.6 FT.
MAX GH: 6.51 FT. AT 02:45 ON Jun. 5, 2005

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

06731000 ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

WIND RIVER ABOVE ADAMS TUNNEL 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. It is complete and reliable except for the following days: November 1, when ice affected the stage-discharge relationship, and November 2, 2004 thru April 19, 2005, when the gage was closed for the winter. Formerly called "Wind River Near Estes Park", this is a partial year record station operated as part of the Colorado Big Thompson Project. The record is good, except for November 1-2, 2004 and April 19, 2005, which were estimated, and are poor. Stream flows are affected by diversions above the station amounting to approximately 300 AF per water year. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--STDO4FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

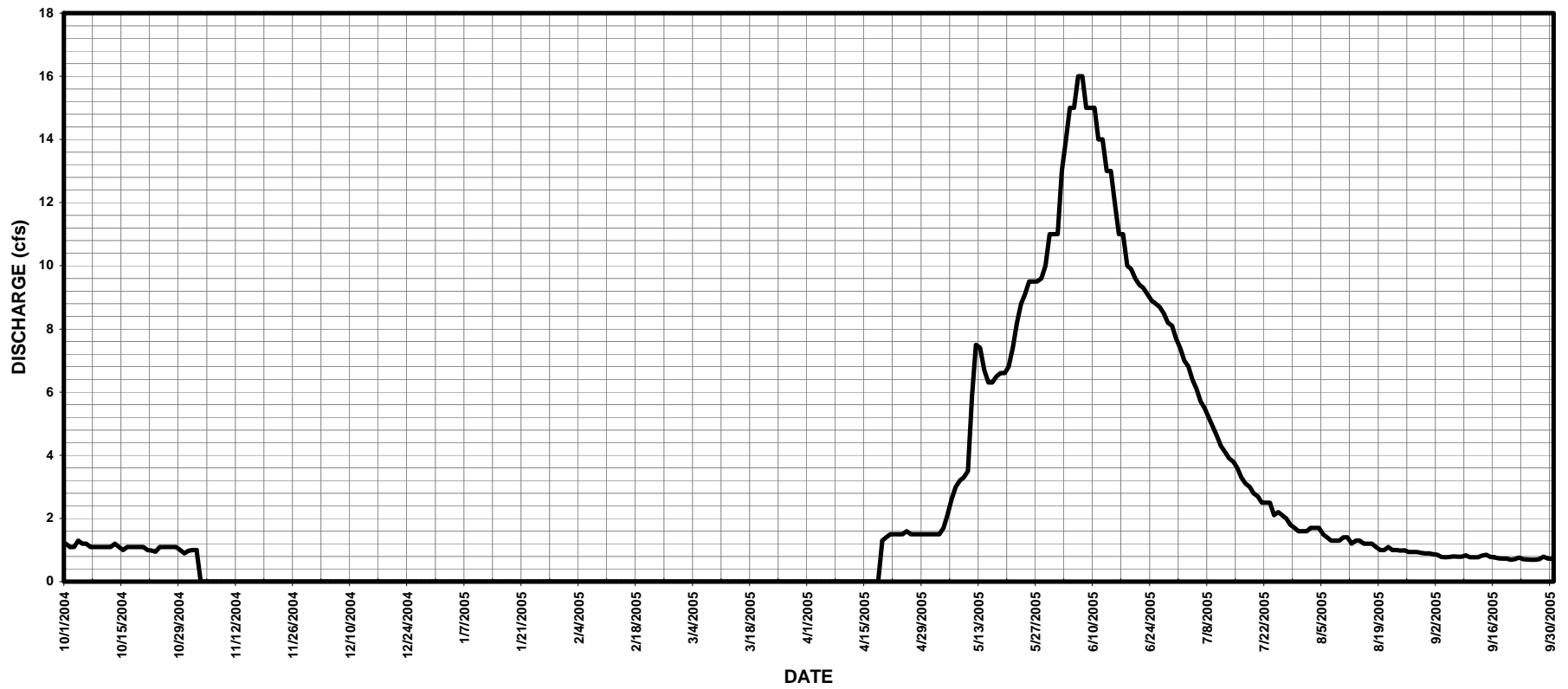
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1	-	-	-	-	-	1.5	11	7.4	1.6	.87
2	1.1	1	-	-	-	-	-	1.5	13	7	1.7	.85
3	1.1	-	-	-	-	-	-	1.5	14	6.8	1.7	.78
4	1.3	-	-	-	-	-	-	1.7	15	6.4	1.7	.77
5	1.2	-	-	-	-	-	-	2.1	15	6.1	1.5	.78
6	1.2	-	-	-	-	-	-	2.6	16	5.7	1.4	.8
7	1.1	-	-	-	-	-	-	3	16	5.5	1.3	.79
8	1.1	-	-	-	-	-	-	3.2	15	5.2	1.3	.79
9	1.1	-	-	-	-	-	-	3.3	15	4.9	1.3	.83
10	1.1	-	-	-	-	-	-	3.5	15	4.6	1.4	.77
11	1.1	-	-	-	-	-	-	5.9	14	4.3	1.4	.77
12	1.1	-	-	-	-	-	-	7.5	14	4.1	1.2	.77
13	1.2	-	-	-	-	-	-	7.4	13	3.9	1.3	.82
14	1.1	-	-	-	-	-	-	6.7	13	3.8	1.3	.85
15	1	-	-	-	-	-	-	6.3	12	3.6	1.2	.78
16	1.1	-	-	-	-	-	-	6.3	11	3.3	1.2	.77
17	1.1	-	-	-	-	-	-	6.5	11	3.1	1.2	.74
18	1.1	-	-	-	-	-	-	6.6	10	3	1.1	.73
19	1.1	-	-	-	-	-	1.3	6.6	9.9	2.8	1	.73
20	1.1	-	-	-	-	-	1.4	6.8	9.6	2.7	1	.69
21	1	-	-	-	-	-	1.5	7.4	9.4	2.5	1.1	.71
22	.98	-	-	-	-	-	1.5	8.2	9.3	2.5	1	.76
23	.95	-	-	-	-	-	1.5	8.8	9.1	2.5	1	.71
24	1.1	-	-	-	-	-	1.5	9.1	8.9	2.1	.98	.7
25	1.1	-	-	-	-	-	1.6	9.5	8.8	2.2	.99	.69
26	1.1	-	-	-	-	-	1.5	9.5	8.7	2.1	.94	.69
27	1.1	-	-	-	-	-	1.5	9.5	8.5	2	.94	.71
28	1.1	-	-	-	-	-	1.5	9.6	8.2	1.8	.94	.79
29	1	-	-	-	---	-	1.5	10	8.1	1.7	.91	.74
30	.89	-	-	-	---	-	1.5	11	7.7	1.6	.89	.72
31	.97	---	-	-	---	-	---	11	---	1.6	.89	---
TOTAL	33.79	2	-	-	-	-	17.8	194.1	349.2	116.8	37.38	22.9
MEAN	1.09	.07	-	-	-	-	.59	6.3	11.6	3.8	1.21	.76
AC-FT	67	4	-	-	-	-	35	385	693	232	74	45
MAX	1.3	1	-	-	-	-	1.6	11	16	7.4	1.7	.87
MIN	.89	-	-	-	-	-	-	1.5	7.7	1.6	.89	.69

WTR YR 2005 TOTAL 773.97 MEAN 2.12 MAX 16 MIN - AC-FT 1540 (PARTIAL YEAR RECORD)

MAX DISCH: 16 CFS AT 08:15 ON Jun. 6, 2005 GH 1 FT. SHIFT 0 FT.
MAX GH: 1 FT. AT 08:15 ON Jun. 6, 2005

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

WIND RIVER ABOVE ADAMS TUNNEL NEAR ESTES PARK CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

WIND RIVER BELOW ADAMS TUNNEL NEAR ESTES PARK, CO

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

DRAINAGE AREA.--N/A

GAGE.--Incremental shaft encoder in a steel shelter with a steel well, a drop tape, and a 3-foot Cipolletti flume. The Data Collection Platform in Adams Tunnel is used to collect the data as primary record only. The station is maintained by the U.S.B.R. to determine east slope flows into the Colorado Big Thompson Project system. On August 29, 2003 the original 1 foot Cipolletti flume was replaced with a 3 foot Cipolletti flume to accommodate larger flows if needed during time of maintenance by the U.S.B.R.

REMARKS.--The record is hourly satellite data. (No chart recorder installed.) It is complete and reliable except for the following days: May 11-16, 2005 when the inlet sometimes plugged. The Wind River above Adams Tunnel record was used during this period. Partial year gage, formerly called "Wind River By-Pass near Estes Park". Water was skimmed from Wind River into Adams Tunnel from May 16 to July 18. Other daily discharges were the same as for the gage "Wind River above Adams Tunnel near Estes Park". The record is good, except for May 11-16, 2005, which was estimated and considered poor. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--WINBYPC002 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

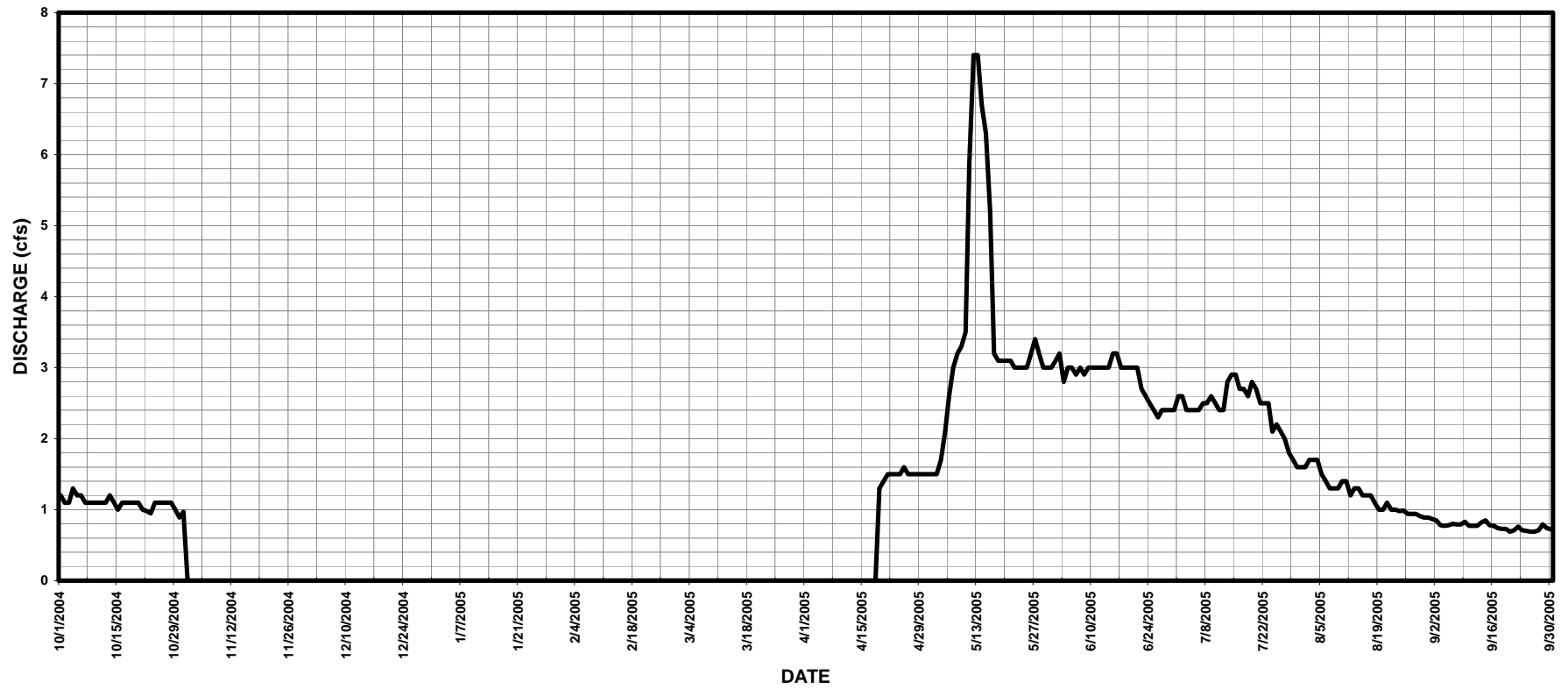
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	-	-	-	-	-	-	1.5	3.1	2.6	1.6	.87
2	1.1	-	-	-	-	-	-	1.5	3.2	2.6	1.7	.85
3	1.1	-	-	-	-	-	-	1.5	2.8	2.4	1.7	.78
4	1.3	-	-	-	-	-	-	1.7	3	2.4	1.7	.77
5	1.2	-	-	-	-	-	-	2.1	3	2.4	1.5	.78
6	1.2	-	-	-	-	-	-	2.6	2.9	2.4	1.4	.8
7	1.1	-	-	-	-	-	-	3	3	2.5	1.3	.79
8	1.1	-	-	-	-	-	-	3.2	2.9	2.5	1.3	.79
9	1.1	-	-	-	-	-	-	3.3	3	2.6	1.3	.83
10	1.1	-	-	-	-	-	-	3.5	3	2.5	1.4	.77
11	1.1	-	-	-	-	-	-	5.9	3	2.4	1.4	.77
12	1.1	-	-	-	-	-	-	7.4	3	2.4	1.2	.77
13	1.2	-	-	-	-	-	-	7.4	3	2.8	1.3	.82
14	1.1	-	-	-	-	-	-	6.7	3	2.9	1.3	.85
15	1	-	-	-	-	-	-	6.3	3.2	2.9	1.2	.78
16	1.1	-	-	-	-	-	-	5.2	3.2	2.7	1.2	.77
17	1.1	-	-	-	-	-	-	3.2	3	2.7	1.2	.74
18	1.1	-	-	-	-	-	-	3.1	3	2.6	1.1	.73
19	1.1	-	-	-	-	-	1.3	3.1	3	2.8	1	.73
20	1.1	-	-	-	-	-	1.4	3.1	3	2.7	1	.69
21	1	-	-	-	-	-	1.5	3.1	3	2.5	1.1	.71
22	.98	-	-	-	-	-	1.5	3	2.7	2.5	1	.76
23	.95	-	-	-	-	-	1.5	3	2.6	2.5	1	.71
24	1.1	-	-	-	-	-	1.5	3	2.5	2.1	.98	.7
25	1.1	-	-	-	-	-	1.6	3	2.4	2.2	.99	.69
26	1.1	-	-	-	-	-	1.5	3.2	2.3	2.1	.94	.69
27	1.1	-	-	-	-	-	1.5	3.4	2.4	2	.94	.71
28	1.1	-	-	-	-	-	1.5	3.2	2.4	1.8	.94	.79
29	1	-	-	-	---	-	1.5	3	2.4	1.7	.91	.74
30	.89	-	-	-	---	-	1.5	3	2.4	1.6	.89	.72
31	.97	---	-	-	---	-	---	3	---	1.6	.89	---
TOTAL	33.79	-	-	-	-	-	17.8	109.2	85.4	74.4	37.38	22.9
MEAN	1.09	-	-	-	-	-	.59	3.5	2.9	2.4	1.21	.76
AC-FT	67	-	-	-	-	-	35	217	169	148	74	45
MAX	1.3	-	-	-	-	-	1.6	7.4	3.2	2.9	1.7	.87
MIN	.89	-	-	-	-	-	-	1.5	2.3	1.6	.89	.69

WTR YR 2005 TOTAL 380.87 MEAN 1.04 MAX 7.4 MIN - AC-FT 755 (PARTIAL YEAR RECORD)

MAX DISCH: 7.36 CFS AT 20:30 ON May. 12, 2005 GH 0.81 FT. SHIFT 0 FT.
MAX GH: 0.81 FT. AT 20:30 ON May. 12, 2005

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

WIND RIVER BELOW ADAMS TUNNEL NEAR ESTES PARK CO
WY2005 HYDROGRAPH



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 mi². 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 29-30, 2004, when the inlets were frozen; and December 1, 2004 to March 23, 2005, when the station was closed for winter. The data can be regarded as very reliable, as the gage is visited frequently and even 0.01 adjustments to the stage encoder are rare. Record is good, except for November 29, 2004-March 23, 2005, which was estimated for winter record and is considered poor. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--BTABESCO09 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

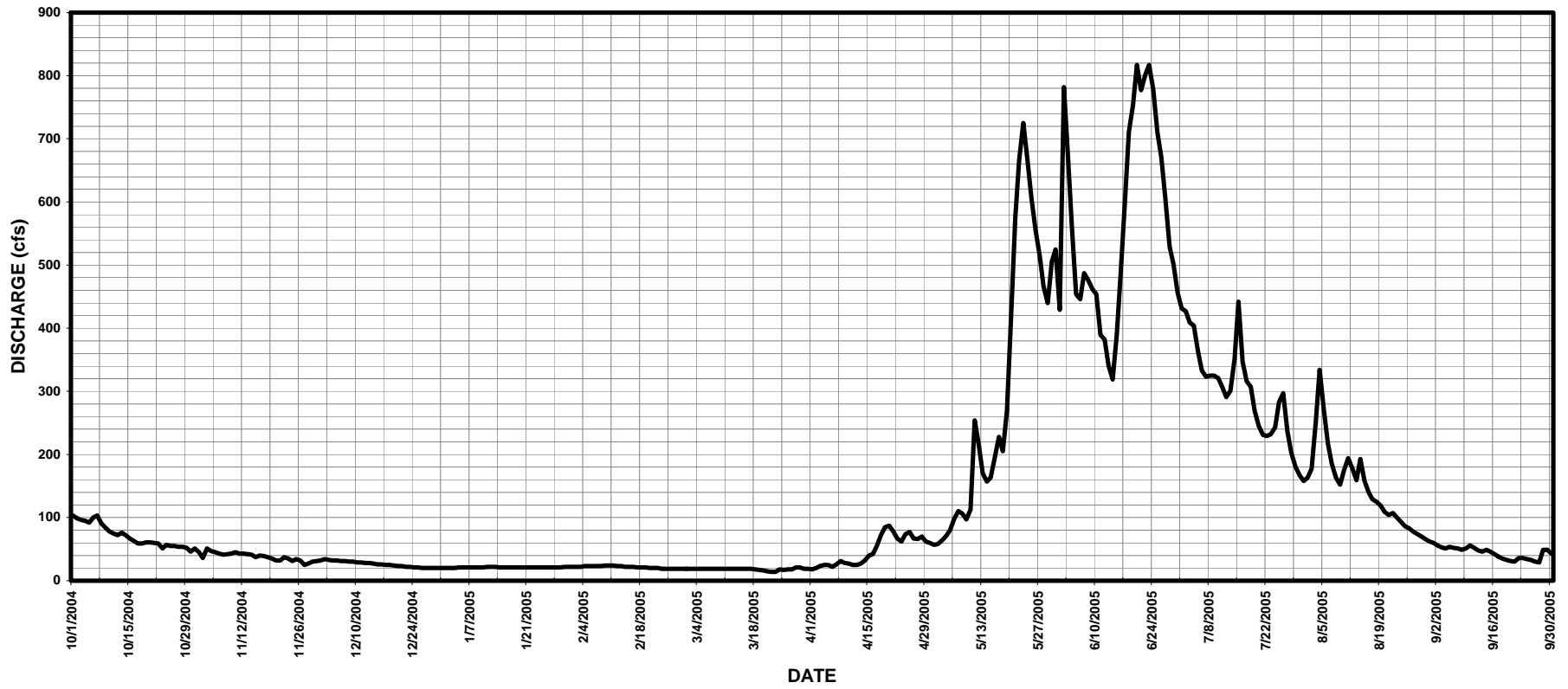
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	45	32	20	22	19	18	57	429	431	163	60
2	99	36	34	20	22	19	20	58	782	427	177	56
3	96	51	33	20	22	19	23	64	677	409	251	53
4	95	47	32	21	23	19	25	71	559	404	334	51
5	92	45	32	21	23	19	25	80	454	363	271	54
6	100	43	31	21	23	19	22	98	446	333	217	52
7	103	41	31	21	23	19	26	110	487	323	185	51
8	91	42	30	21	23	19	31	106	476	325	163	49
9	84	43	30	21	24	19	28	97	462	325	152	51
10	78	45	29	21	24	19	27	113	454	321	175	56
11	75	43	29	22	24	19	25	254	389	306	194	52
12	72	43	28	22	23	19	25	217	382	291	178	48
13	76	42	28	22	23	19	27	170	341	301	159	46
14	72	41	27	21	22	19	32	157	319	351	193	49
15	67	37	26	21	22	19	40	163	391	442	158	46
16	63	40	26	21	22	19	42	195	484	347	140	42
17	59	39	25	21	21	19	56	228	595	316	129	38
18	59	37	25	21	21	18	73	205	711	307	125	35
19	61	35	24	21	21	17	85	270	754	269	119	33
20	61	32	23	21	20	16	87	420	817	245	109	31
21	60	32	23	21	20	15	78	575	777	231	104	30
22	59	37	22	21	20	14	67	667	801	229	107	36
23	51	35	22	21	19	14	62	725	817	232	100	36
24	57	31	21	21	19	18	74	666	778	243	93	34
25	55	34	21	21	19	17	77	607	710	283	86	33
26	55	32	20	21	19	18	67	556	671	297	83	30
27	54	25	20	21	19	18	66	515	604	237	78	29
28	54	27	20	21	19	21	70	466	529	203	74	49
29	52	30	20	21	---	21	62	440	501	181	70	49
30	46	31	20	22	---	19	60	506	456	167	66	43
31	51	---	20	22	---	19	---	525	---	158	62	---
TOTAL	2200	1141	804	653	602	568	1420	9381	17053	9297	4515	1322
MEAN	71	38	26	21	22	18	47	303	568	300	146	44
AC-FT	4360	2260	1590	1300	1190	1130	2820	18610	33820	18440	8960	2620
MAX	103	51	34	22	24	21	87	725	817	442	334	60
MIN	46	25	20	20	19	14	18	57	319	158	62	29

WTR YR 2005 TOTAL 48956 MEAN 134 MAX 817 MIN 14 AC-FT 97100

MAX DISCH: 985 CFS AT 13:15 ON Jun. 2, 2005 GH 5.65 FT. SHIFT -0.02 FT.
MAX GH: 5.65 FT. AT 13:15 ON Jun. 2, 2005

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

06733000 BIG THOMPSON RIVER (above Lake Estes) AT ESTES PARK CO
WY2005 HYDROGRAPH



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 mi²; 1946 to present.

GAGE.--Graphic water-stage recorder and satellite monitoring in a concrete well and shelter at a 5' Parshall flume. The electric drop tape is the primary reference. There is a supplemental outside staff gage.

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 9, 2004 to March 23, 2005 when the station was closed for the winter. This is a partial year record. The record is good. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--FISHESCO06 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

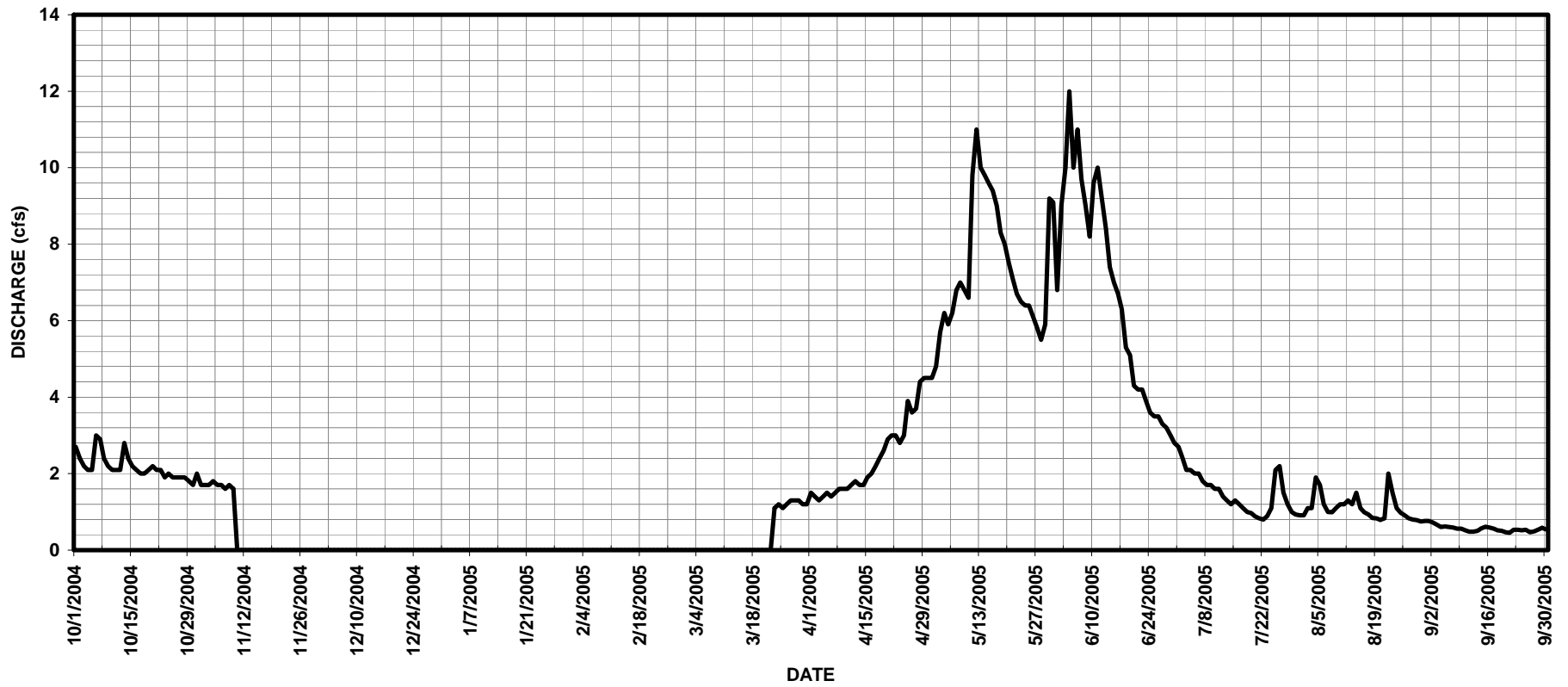
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	1.7	-	-	-	-	1.5	4.5	6.8	2.7	.91	.76
2	2.4	1.7	-	-	-	-	1.4	4.8	9	2.4	1.1	.72
3	2.2	1.7	-	-	-	-	1.3	5.7	10	2.1	1.1	.66
4	2.1	1.8	-	-	-	-	1.4	6.2	12	2.1	1.9	.6
5	2.1	1.7	-	-	-	-	1.5	5.9	10	2	1.7	.62
6	3	1.7	-	-	-	-	1.4	6.2	11	2	1.2	.6
7	2.9	1.6	-	-	-	-	1.5	6.8	9.7	1.8	1	.59
8	2.4	1.7	-	-	-	-	1.6	7	9	1.7	.99	.56
9	2.2	1.6	-	-	-	-	1.6	6.8	8.2	1.7	1.1	.56
10	2.1	-	-	-	-	-	1.6	6.6	9.6	1.6	1.2	.52
11	2.1	-	-	-	-	-	1.7	9.8	10	1.6	1.2	.48
12	2.1	-	-	-	-	-	1.8	11	9.2	1.4	1.3	.48
13	2.8	-	-	-	-	-	1.7	10	8.4	1.3	1.2	.5
14	2.4	-	-	-	-	-	1.7	9.8	7.4	1.2	1.5	.57
15	2.2	-	-	-	-	-	1.9	9.6	7	1.3	1.1	.61
16	2.1	-	-	-	-	-	2	9.4	6.7	1.2	.99	.59
17	2	-	-	-	-	-	2.2	9	6.3	1.1	.93	.56
18	2	-	-	-	-	-	2.4	8.3	5.3	1	.84	.52
19	2.1	-	-	-	-	-	2.6	8	5.1	.97	.83	.5
20	2.2	-	-	-	-	-	2.9	7.5	4.3	.88	.79	.47
21	2.1	-	-	-	-	-	3	7.1	4.2	.83	.83	.45
22	2.1	-	-	-	-	-	3	6.7	4.2	.8	2	.53
23	1.9	-	-	-	-	1.1	2.8	6.5	3.9	.89	1.5	.53
24	2	-	-	-	-	1.2	3	6.4	3.6	1.1	1.1	.52
25	1.9	-	-	-	-	1.1	3.9	6.4	3.5	2.1	.98	.53
26	1.9	-	-	-	-	1.2	3.6	6.1	3.5	2.2	.91	.47
27	1.9	-	-	-	-	1.3	3.7	5.8	3.3	1.5	.83	.49
28	1.9	-	-	-	-	1.3	4.4	5.5	3.2	1.2	.8	.53
29	1.8	-	-	-	---	1.3	4.5	5.9	3	1	.78	.58
30	1.7	-	-	-	---	1.2	4.5	9.2	2.8	.93	.75	.54
31	2	---	-	-	---	1.2	---	9.1	---	.91	.76	---
TOTAL	67.3	15.2	-	-	-	10.9	72.1	227.6	200.2	45.51	34.12	16.64
MEAN	2.2	.51	-	-	-	.35	2.4	7.3	6.7	1.47	1.1	.55
AC-FT	133	30	-	-	-	22	143	451	397	90	68	33
MAX	3	1.8	-	-	-	1.3	4.5	11	12	2.7	2	.76
MIN	1.7	-	-	-	-	-	1.3	4.5	2.8	.8	.75	.45

WTR YR 2005 TOTAL 689.57 MEAN 1.89 MAX 12 MIN - AC-FT 1370 (PARTIAL YEAR RECORD)

MAX DISCH: 18.4 CFS AT 10:00 ON May. 31, 2005 GH 0.95 FT. SHIFT 0 FT.
MAX GH: 0.95 FT. AT 10:00 ON May. 31, 2005

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

06734500 FISH CREEK NEAR ESTES PARK CO
WY2005 HYDROGRAPH



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

GAGE.--Graphic water-stage recorder and Satellite Monitoring DCP in a concrete shelter and well at a 15-foot Parshall Flume. Sutron 8210 DCP has a speech modem card and telephone access. There is a supplementary outside gage.

REMARKS.--Primary record is hourly data taken from satellite monitoring with chart as backup. Record is complete and reliable. The record is good. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--BTBLES010 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	39	34	25	27	26	52	53	128	124	126	77
2	142	41	34	24	26	27	56	70	187	123	125	75
3	141	54	35	25	26	27	55	68	315	123	128	74
4	138	58	35	25	26	27	55	72	129	123	126	63
5	150	56	35	25	26	27	54	81	125	124	124	63
6	164	53	34	25	26	27	54	90	128	124	125	60
7	179	52	35	25	26	27	56	101	130	125	125	65
8	112	51	35	27	26	26	55	101	125	127	125	66
9	97	52	34	27	26	25	49	100	124	127	126	66
10	84	54	34	27	26	24	51	101	126	125	127	63
11	85	54	34	27	26	25	54	102	127	125	126	68
12	81	55	34	27	26	25	53	99	126	137	128	66
13	83	53	35	27	26	25	44	99	125	127	128	60
14	87	52	34	26	27	26	31	99	125	126	127	61
15	87	47	35	26	27	26	33	101	126	126	124	72
16	53	40	34	26	26	26	40	125	124	128	101	50
17	49	36	34	26	26	26	41	126	127	125	101	50
18	50	36	34	26	26	26	51	124	127	125	101	51
19	49	35	36	26	25	26	51	125	201	126	100	50
20	50	34	34	26	25	26	51	126	128	127	101	45
21	51	35	34	26	25	26	50	128	344	126	102	39
22	49	36	35	26	25	26	51	125	213	126	101	37
23	50	37	34	25	25	26	49	127	199	128	100	45
24	50	37	33	26	25	26	50	286	289	128	100	49
25	50	37	33	26	26	26	50	145	286	127	100	48
26	49	34	34	26	27	26	50	127	159	125	102	51
27	49	33	34	26	25	26	52	127	125	127	104	49
28	50	33	36	26	26	26	53	126	124	127	106	47
29	49	35	31	25	---	26	51	126	125	126	99	50
30	49	35	26	26	---	25	51	125	124	125	87	50
31	36	---	26	26	---	29	---	125	---	127	79	---
TOTAL	2563	1304	1045	802	725	808	1493	3530	4841	3909	3474	1710
MEAN	83	44	34	26	26	26	50	114	161	126	112	57
AC-FT	5080	2590	2070	1590	1440	1600	2960	7000	9600	7750	6890	3390
MAX	179	58	36	27	27	29	56	286	344	137	128	77
MIN	36	33	26	24	25	24	31	53	124	123	79	37

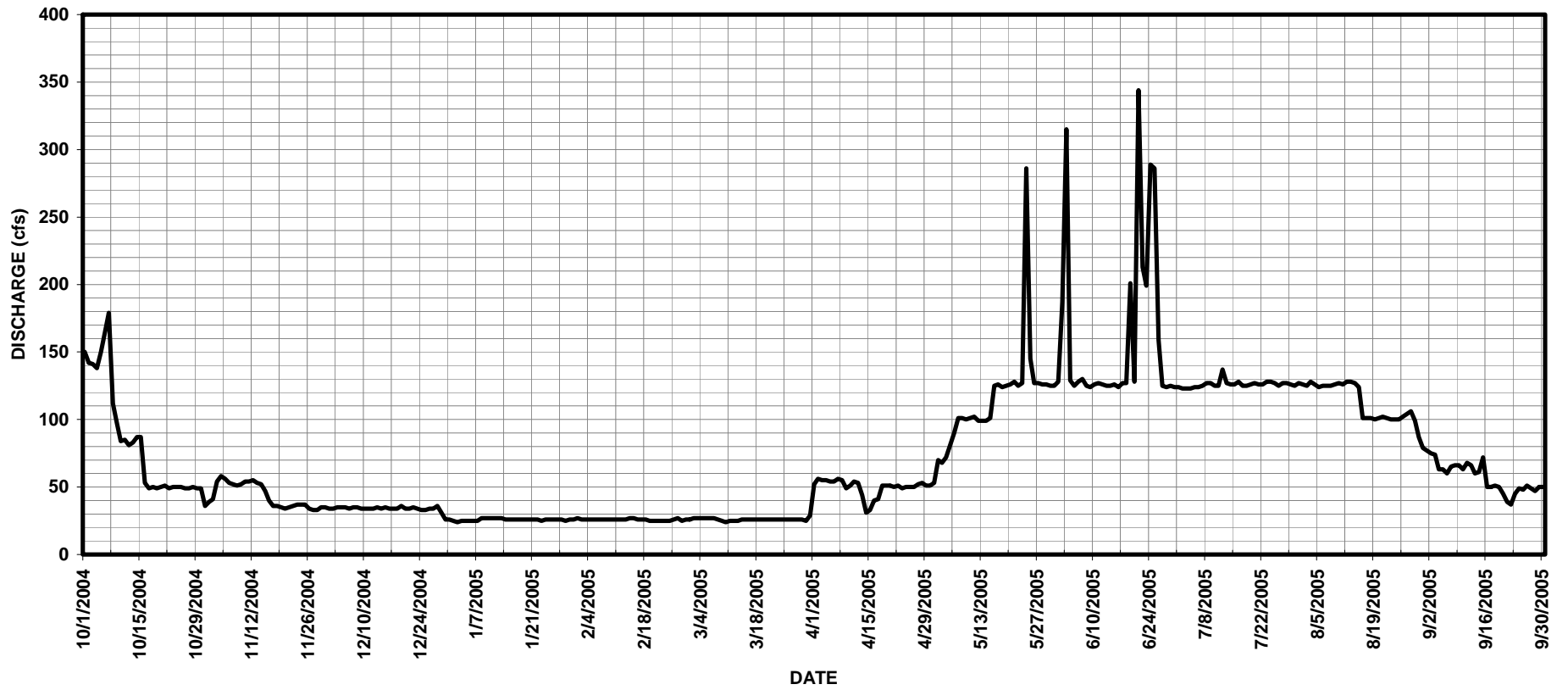
WTR YR 2005 TOTAL 26204 MEAN 71.8 MAX 344 MIN 24 AC-FT 51980

MAX DISCH: 506 CFS AT 02:15 ON Jun. 3, 2005 GH 3.88 FT. SHIFT 0 FT.

MAX GH: 3.88 FT. AT 02:15 ON Jun. 3, 2005

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

06735500 BIG THOMPSON RIVER (below Lake Estes) NEAR ESTES PARK CO
WY2005 HYDROGRAPH



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 graphic chart as back up. The record is complete and reliable. Zero Flow occurs at gage heights of 0.2 ft. or less due to well conditions. The chart scale is 1 inch = 1 ft water, so chart mean GH's can only be read to ±0.03 ft. Calibration on the chart was not great this year, with differences of 0.05 ft often seen between the DCP and chart data. However, when pen corrections were taken into account, the DCP readings were confirmed by the chart. The record is good. This station is operated in cooperation with the USBR for the Colorado--Big Thompson Project. The record this year was developed in direct cooperation with the USBR, with a rating used that supports the USBR computation of flows into Lake Estes. This computation involves flow at Adams Tunnel and Storage records for Lake Estes and Mary's Lake. Station maintained by Merlin Friedrichsen and record developed by Lee Cuning and Bob Cooper.

RATING TABLE.--OLYTUNCO07 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	1.2	530	527	531	452	4.6	266	406	420	249	242
2	4.9	1.2	528	529	531	420	4.5	270	499	338	250	29
3	4.8	1.1	495	528	280	397	4.3	253	542	303	251	29
4	4.4	1.1	497	528	522	392	4.3	250	449	304	250	122
5	4.3	1.1	497	529	478	395	4	252	352	302	249	250
6	4.1	1.1	496	531	526	394	3.9	252	203	300	252	252
7	3.7	1.1	484	425	528	390	2.1	252	405	298	248	244
8	3.6	1.1	514	239	531	391	1.9	266	543	296	253	25
9	3.6	1.1	406	531	530	391	1.9	300	401	250	250	25
10	3.6	1.1	280	531	528	391	1.9	376	329	248	253	25
11	3.6	1.1	527	529	501	421	1.9	329	303	250	196	155
12	3.4	1.1	527	529	432	483	1.8	281	303	254	28	253
13	21	1.1	527	530	431	482	1.6	252	274	251	28	304
14	66	1.1	530	531	465	530	18	252	255	251	29	320
15	58	1	480	528	491	530	38	253	448	348	29	357
16	16	.99	423	530	347	530	51	287	449	256	196	374
17	16	.95	529	530	352	484	52	252	498	280	247	340
18	155	36	528	530	350	530	53	248	549	302	252	252
19	218	162	495	528	446	461	68	250	549	301	252	252
20	17	165	317	530	447	456	88	386	553	300	251	253
21	15	105	527	528	445	285	87	431	546	301	30	252
22	15	138	529	528	220	273	191	502	550	300	30	251
23	15	240	526	530	220	366	240	538	550	253	60	251
24	15	491	529	529	219	442	242	543	547	249	26	285
25	15	530	529	504	436	511	242	531	456	248	196	303
26	15	530	531	420	440	359	266	538	494	250	252	303
27	161	533	534	529	439	247	268	549	540	251	243	301
28	239	527	532	530	441	242	267	443	402	249	29	299
29	211	528	531	529	---	242	268	369	399	250	28	302
30	86	529	529	526	---	67	267	469	508	248	235	302
31	38	---	530	530	---	4.7	---	499	---	248	254	---
TOTAL	1440.7	4543.34	15437	15876	12107	11958.7	2744.7	10939	13302	8699	5396	6952
MEAN	46.5	151	498	512	432	386	91.5	353	443	281	174	232
AC-FT	2860	9010	30620	31490	24010	23720	5440	21700	26380	17250	10700	13790
MAX	239	533	534	531	531	530	268	549	553	420	254	374
MIN	3.4	.95	280	239	219	4.7	1.6	248	203	248	26	25

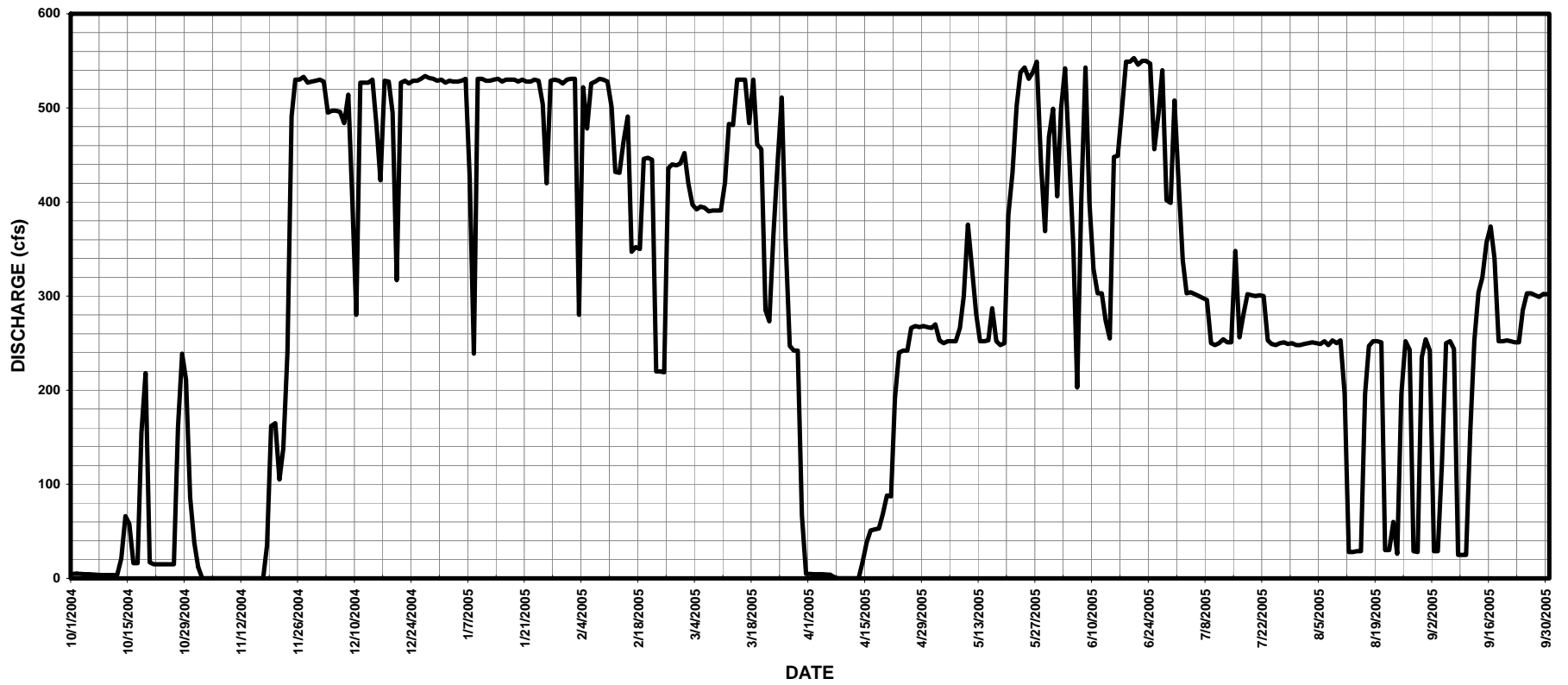
WTR YR 2005 TOTAL 109395.44 MEAN 300 MAX 553 MIN .95 AC-FT 217000

MAX DISCH: 569 CFS AT 16:30 ON Dec. 20, 2004 GH 8.15 FT. SHIFT 0 FT.

MAX GH: 8.15 FT. AT 16:30 ON Dec. 20, 2004

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

0673490 OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES CO
WY2005 HYDROGRAPH



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 mi²; 1947 to present.

GAGE.--Graphic water-stage recorder and High Data Rate DCP logger with shaft encoder in a 42-inch well. The electric drop tape is the primary reference with a supplemental outside chain gage 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 2, 2004 through March 22, 2005 when the station was closed for winter. Flush corrections were made on October 5, May 23, June 6, and July 7. The June 6 correction could be associated with a specific time and was made without loss of accuracy. For the others, a graphic estimate was used. Ponds in the channel upstream often ice up and break loose in the fall and cause bumps in the record when there is no ice at the control. The record is good, except for following periods: November 2, 2004 through March 22, 2005 when the station was iced in or closed for winter, these periods were estimated and rated poor; October 4-5, May 21-23, and July 4-7 when the inlets were partially plugged, these days were rated fair. Station maintained by Merlin Friedrichsen and record developed by Lee Cuning.

RATING TABLE.--BTNFDRCO11 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

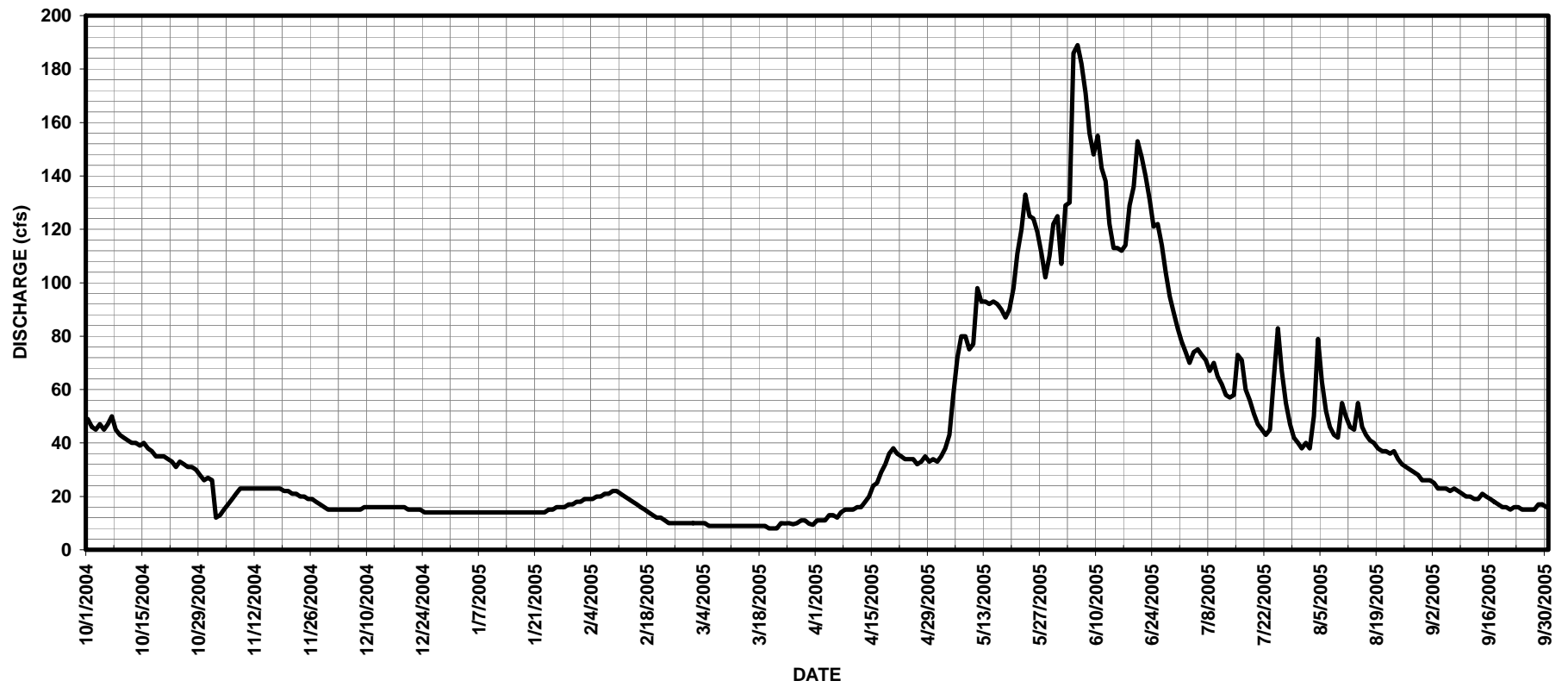
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	26	15	14	18	10	11	33	107	78	40	26
2	46	12	15	14	19	10	11	35	129	74	38	25
3	45	13	15	14	19	10	11	38	130	70	50	23
4	47	15	15	14	19	10	13	43	186	74	79	23
5	45	17	15	14	20	9	13	58	189	75	63	23
6	47	19	15	14	20	9	12	72	182	73	52	22
7	50	21	15	14	21	9	14	80	171	71	46	23
8	45	23	15	14	21	9	15	80	156	67	43	22
9	43	23	16	14	22	9	15	75	148	70	42	21
10	42	23	16	14	22	9	15	77	155	65	55	20
11	41	23	16	14	21	9	16	98	143	62	50	20
12	40	23	16	14	20	9	16	93	138	58	46	19
13	40	23	16	14	19	9	18	93	122	57	45	19
14	39	23	16	14	18	9	20	92	113	58	55	21
15	40	23	16	14	17	9	24	93	113	73	46	20
16	38	23	16	14	16	9	25	92	112	71	43	19
17	37	23	16	14	15	9	29	90	114	60	41	18
18	35	23	16	14	14	9	32	87	129	56	40	17
19	35	22	16	14	13	9	36	90	136	51	38	16
20	35	22	15	14	12	8	38	98	153	47	37	16
21	34	21	15	14	12	8	36	111	147	45	37	15
22	33	21	15	14	11	8	35	120	140	43	36	16
23	31	20	15	14	10	10	34	133	131	45	37	16
24	33	20	14	15	10	9.9	34	125	121	64	34	15
25	32	19	14	15	10	10	34	124	122	83	32	15
26	31	19	14	16	10	9.6	32	119	114	67	31	15
27	31	18	14	16	10	10	33	111	104	55	30	15
28	30	17	14	16	10	11	35	102	95	47	29	17
29	28	16	14	17	---	11	33	110	89	42	28	17
30	26	15	14	17	---	9.8	34	122	83	40	26	16
31	27	---	14	18	---	9.4	---	125	---	38	26	---
TOTAL	1175	606	468	452	449	289.7	724	2819	3972	1879	1295	570
MEAN	38	20	15	15	16	9.4	24	91	132	61	42	19
AC-FT	2330	1200	928	897	891	575	1440	5590	7880	3730	2570	1130
MAX	50	26	16	18	22	11	38	133	189	83	79	26
MIN	26	12	14	14	10	8	11	33	83	38	26	15

WTR YR 2005 TOTAL 14698.7 MEAN 40.3 MAX 189 MIN 8 AC-FT 29150

MAX DISCH: 276 CFS AT 18:15 ON Jul. 24, 2005 GH 4.81 FT. SHIFT -0.01 FT. DATUM CORRECTION +0.01
MAX GH: 4.81 FT. AT 18:15 ON Jul. 24, 2005

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

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE CO
WY2005 HYDROGRAPH



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.--A-35 Stevens graphic recorder and 8004 Data Collection Platform (DCP) in a concrete shelter and well. The station is maintained by Northern Colorado Water Conservancy District personnel.

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. The chart record does not go completely to zero, presumably due to the size of the float. However the encoder does record zero GH (and below) and is used to determine when zero discharge has occurred. Record is good. Flow at station is intermittent dependent on river flows, water orders, and other regulations. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--STD08FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

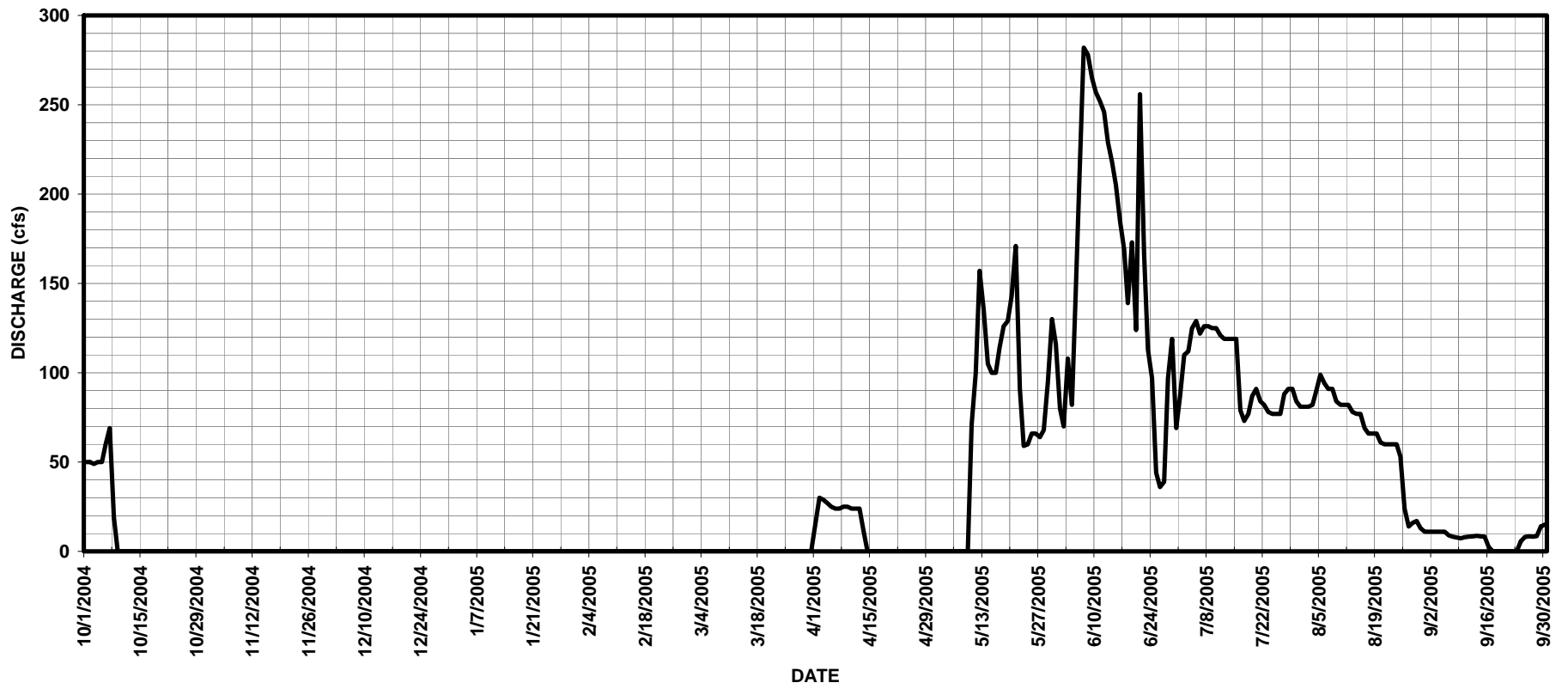
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	0	0	0	0	0	15	0	80	87	81	11
2	50	0	0	0	0	0	30	0	70	110	81	11
3	49	0	0	0	0	0	29	0	108	112	82	11
4	50	0	0	0	0	0	27	0	82	125	90	11
5	50	0	0	0	0	0	25	0	146	129	99	11
6	60	0	0	0	0	0	24	0	217	122	94	9
7	69	0	0	0	0	0	24	0	282	126	91	8.3
8	19	0	0	0	0	0	25	0	278	126	91	7.8
9	0	0	0	0	0	0	25	0	265	125	84	7.4
10	0	0	0	0	0	0	24	71	257	125	82	8
11	0	0	0	0	0	0	24	100	252	121	82	8.3
12	0	0	0	0	0	0	24	157	246	119	82	8.4
13	0	0	0	0	0	0	12	135	229	119	78	8.7
14	0	0	0	0	0	0	0	105	218	119	77	8.4
15	0	0	0	0	0	0	0	100	205	119	77	8.3
16	0	0	0	0	0	0	0	100	185	79	69	2.3
17	0	0	0	0	0	0	0	114	169	73	66	0
18	0	0	0	0	0	0	0	126	139	77	66	0
19	0	0	0	0	0	0	0	129	173	87	66	0
20	0	0	0	0	0	0	0	143	124	91	61	0
21	0	0	0	0	0	0	0	171	256	84	60	0
22	0	0	0	0	0	0	0	91	167	82	60	0
23	0	0	0	0	0	0	0	59	113	78	60	0
24	0	0	0	0	0	0	0	60	97	77	60	5.7
25	0	0	0	0	0	0	0	66	44	77	53	8.2
26	0	0	0	0	0	0	0	66	36	77	24	8.4
27	0	0	0	0	0	0	0	64	39	88	14	8.3
28	0	0	0	0	0	0	0	68	97	91	16	8.6
29	0	0	0	0	---	0	0	95	119	91	17	14
30	0	0	0	0	---	0	0	130	69	84	13	15
31	0	---	0	0	---	0	---	116	---	81	11	---
TOTAL	397	0	0	0	0	0	308	2266	4762	3101	1987	208.1
MEAN	12.8	0	0	0	0	0	10.3	73.1	159	100	64	6.94
AC-FT	787	0	0	0	0	0	611	4490	9450	6150	3940	413
MAX	69	0	0	0	0	0	30	171	282	129	99	15
MIN	0	0	0	0	0	0	0	0	36	73	11	0

WTR YR 2005 TOTAL 13029.1 MEAN 35.7 MAX 282 MIN 0 AC-FT 25840

MAX DISCH: 317 CFS AT 05:45 ON Jun. 22, 2005 GH 4.17 FT. SHIFT 0 FT.
MAX GH: 4.17 FT. AT 05:45 ON Jun. 22, 2005

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

DILLE TUNNEL (EAST PORTAL) NEAR DRAKE CO
WY2005 HYDROGRAPH



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 mi²; 1927-1933, 1938 to present.

GAGE.--A 60 inch by 72-inch pre-cast concrete shelter at concrete control section. The station is equipped with satellite monitoring and continuous chart recorder, both activated by a Stacom manometer. An outside wire-weight is used as the primary reference for the gage. This gage is simultaneously used by the State of Colorado, the USBR, NCWCD and the Home Supply Ditch.

REMARKS.-- The primary record is hourly data, taken from satellite monitoring with chart back up. The chart does not operate independently from the DCP data but chart data is used to fill in when the DCP data is missed for any reason, or if the encoder slips its chain drive from the manometer. The record is good due to frequency of measurements and visits and the presence of an artificial control---except for the following periods, when the record was estimated and is considered poor: November 23, 2004 to March 9, 2005, when the station was closed for winter; March 15 and 16, 2005 should be considered fair due to possible ice effect. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--BTCANYCO16 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178	59	49	39	44	36	37	85	157	114	77	78
2	146	59	49	38	44	37	38	98	208	88	74	76
3	140	72	50	39	44	37	38	115	414	82	83	73
4	133	82	50	39	45	37	42	129	387	68	111	68
5	141	75	50	39	45	37	44	149	275	59	85	66
6	141	73	49	39	45	36	43	174	153	62	75	63
7	155	71	50	39	46	36	47	192	64	58	72	68
8	148	70	50	41	47	35	47	194	41	56	68	68
9	137	69	49	41	47	34	44	187	40	60	74	68
10	125	68	50	41	48	35	45	116	48	54	89	66
11	118	70	50	41	46	34	46	125	46	56	86	68
12	115	70	50	41	45	34	48	94	42	56	78	67
13	117	69	51	41	44	36	56	100	41	66	83	63
14	118	67	50	40	44	33	59	120	39	56	94	63
15	118	65	51	40	43	33	57	119	50	67	83	69
16	99	63	50	40	41	38	63	131	63	102	70	65
17	80	52	50	40	40	36	68	121	79	100	66	59
18	79	51	49	40	39	35	78	99	114	90	64	57
19	78	51	51	40	38	36	84	99	141	76	63	58
20	78	51	49	40	37	36	84	96	155	71	65	55
21	77	48	49	40	36	37	84	80	167	73	69	51
22	77	54	50	40	35	34	81	162	204	74	67	48
23	72	56	49	39	35	35	80	207	214	85	69	49
24	76	56	48	41	35	36	79	331	296	108	64	51
25	75	55	48	41	36	35	82	248	404	130	68	49
26	74	52	48	41	37	36	79	178	270	112	92	48
27	72	50	48	41	35	36	79	174	194	89	106	49
28	72	50	50	42	36	40	91	162	119	76	105	46
29	71	51	45	41	---	38	86	135	93	72	100	45
30	69	51	40	43	---	37	85	126	133	74	91	43
31	66	---	40	43	---	37	---	144	---	74	83	---
TOTAL	3245	1830	1512	1250	1157	1112	1894	4490	4651	2408	2474	1797
MEAN	105	61	49	40	41	36	63	145	155	78	80	60
AC-FT	6440	3630	3000	2480	2290	2210	3760	8910	9230	4780	4910	3560
MAX	178	82	51	43	48	40	91	331	414	130	111	78
MIN	66	48	40	38	35	33	37	80	39	54	63	43

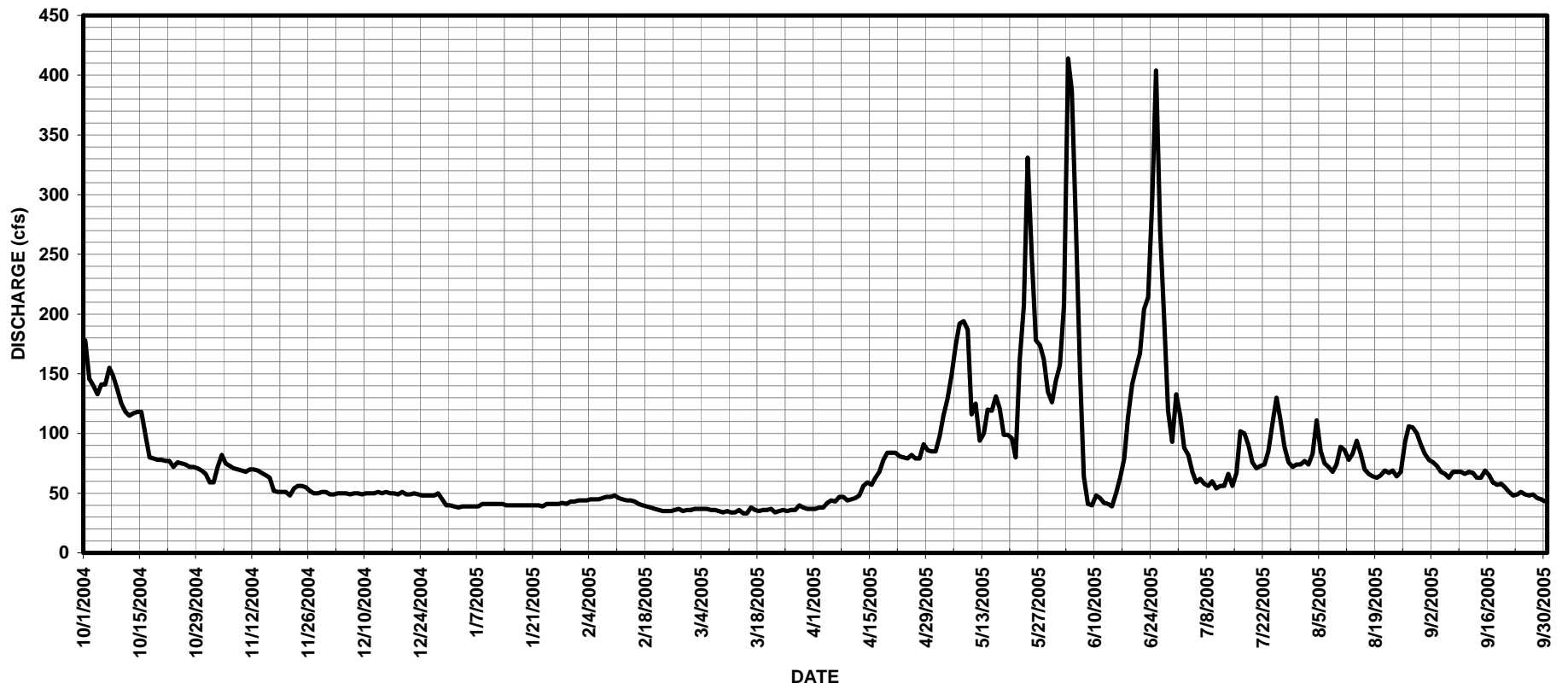
WTR YR 2005 TOTAL 27820 MEAN 76.2 MAX 414 MIN 33 AC-FT 55180

MAX DISCH: 609 CFS AT 06:00 ON Jun. 3, 2005 GH 3.74 FT. SHIFT 0 FT.

MAX GH: 3.74 FT. AT 06:00 ON Jun. 3, 2005

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

06738000 BIG THOMPSON RIVER AT MOUTH OF CANYON NEAR DRAKE CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

BUCKHORN CREEK NEAR MASONVILLE, CO

LOCATION.--Lat 40°26'04", long 105°10'47", just downstream from Larimer County Road 24H bridge over Buckhorn Creek.

DRAINAGE AREA.--140mi².

GAGE.--A-35 Stevens recorder and Data Collection Platform (DCP) with shaft encoder in a wooden shelter with inside electric tape. A High Data Rate DCP was installed during the 2003 water year to replace the old 8004 model. The DCP is the primary record with the graphic chart recorder as back up.

REMARKS.--The primary record is hourly date from satellite monitoring with chart back up. 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 Dec 3-13 when the station was mistakenly closed for the winter by the deputy water commissioner. The record is good, except for December 3-13 which is estimated and poor. Station maintained and record developed by Mark Simpson.

RATING TABLE.--BUCRMVCO07 USED FROM 01-OCT-2004 TO 30-OCT-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	9.9	7.4	5.4	5.1	5.5	7.5	18	50	17	3.8	1.8
2	29	9.1	6.7	5	4.6	5.5	3.9	17	43	12	4.5	1.8
3	24	9.1	5.8	4.9	5.1	4.7	3.4	22	50	9.8	4.1	1.7
4	22	12	6	4.9	5.2	3.4	3.8	29	137	11	10	1.5
5	22	11	6.1	4	5.1	4.7	7.3	35	195	13	14	1.5
6	21	11	6.2	4	5.2	4.7	12	31	135	12	7.9	1.5
7	21	11	6.3	5.1	4.9	4.8	12	41	104	11	6	1.5
8	19	10	6.4	4.8	5	4.9	13	39	85	10	4.9	1.3
9	18	10	6.5	4.9	4.5	5.1	14	34	76	9.3	5.4	1.2
10	16	11	6.6	5	4.2	4.9	15	29	84	8.9	7.6	1.1
11	15	11	6.7	5.2	4.7	5.6	14	51	86	8.6	8.4	1
12	15	9.7	6.9	5.7	5.1	5.2	15	111	80	7.6	7.7	.9
13	15	9.4	7.3	4.9	4.8	6.5	17	100	71	7.2	7.3	.92
14	16	9.2	6.6	4.6	4.8	7	20	85	59	7.8	8.2	.94
15	15	9.1	7	4.6	5.3	5.5	21	79	54	7.2	8.8	.88
16	15	8.8	6.5	4.8	5.3	5.7	22	76	50	6.1	7.1	1.2
17	14	8.8	5.6	4.7	4.7	6.6	22	73	47	4.8	5.6	1.1
18	14	8.9	6.2	4.8	4.3	6.4	22	65	44	5.1	4.7	.92
19	14	9.1	5.8	5	5.2	6.1	22	64	39	4.7	4.4	.88
20	14	9.3	6.3	5.1	5.5	6.1	22	58	36	4.5	4.1	.76
21	14	8.3	6.2	5.6	5.7	6.5	22	48	32	4.9	3.7	.72
22	13	7.9	5.5	5.6	5.5	6.5	19	47	30	4.8	3.5	.81
23	13	9.5	5	5.3	6	6.7	16	45	30	4.3	3.4	.77
24	13	8.7	5.7	5.4	5.8	6.6	15	43	24	4.4	3.4	.73
25	13	9.1	5	5.4	6.2	6.9	15	43	21	5	3.1	.73
26	12	8.7	5.3	5.2	6.2	6.5	15	37	26	9.9	3	.69
27	12	8.1	5.7	5.2	5.9	6.6	15	33	27	11	2.7	.61
28	12	7.3	5.7	5.2	5.8	6.6	17	35	21	8.4	2.5	.68
29	11	6.4	5.7	5.2	---	8.1	17	35	20	6.2	2.2	.67
30	10	5.6	5.7	5.3	---	8.8	17	46	18	4.8	2	.69
31	9.1	---	5.5	5.7	---	8.4	---	69	---	4.2	1.9	---
TOTAL	501.1	277	189.9	156.5	145.7	187.1	456.9	1538	1774	245.5	165.9	31.5
MEAN	16.2	9.2	6.1	5.1	5.2	6	15.2	50	59	7.9	5.4	1.05
AC-FT	994	549	377	310	289	371	906	3050	3520	487	329	62
MAX	30	12	7.4	5.7	6.2	8.8	22	111	195	17	14	1.8
MIN	9.1	5.6	5	4	4.2	3.4	3.4	17	18	4.2	1.9	.61

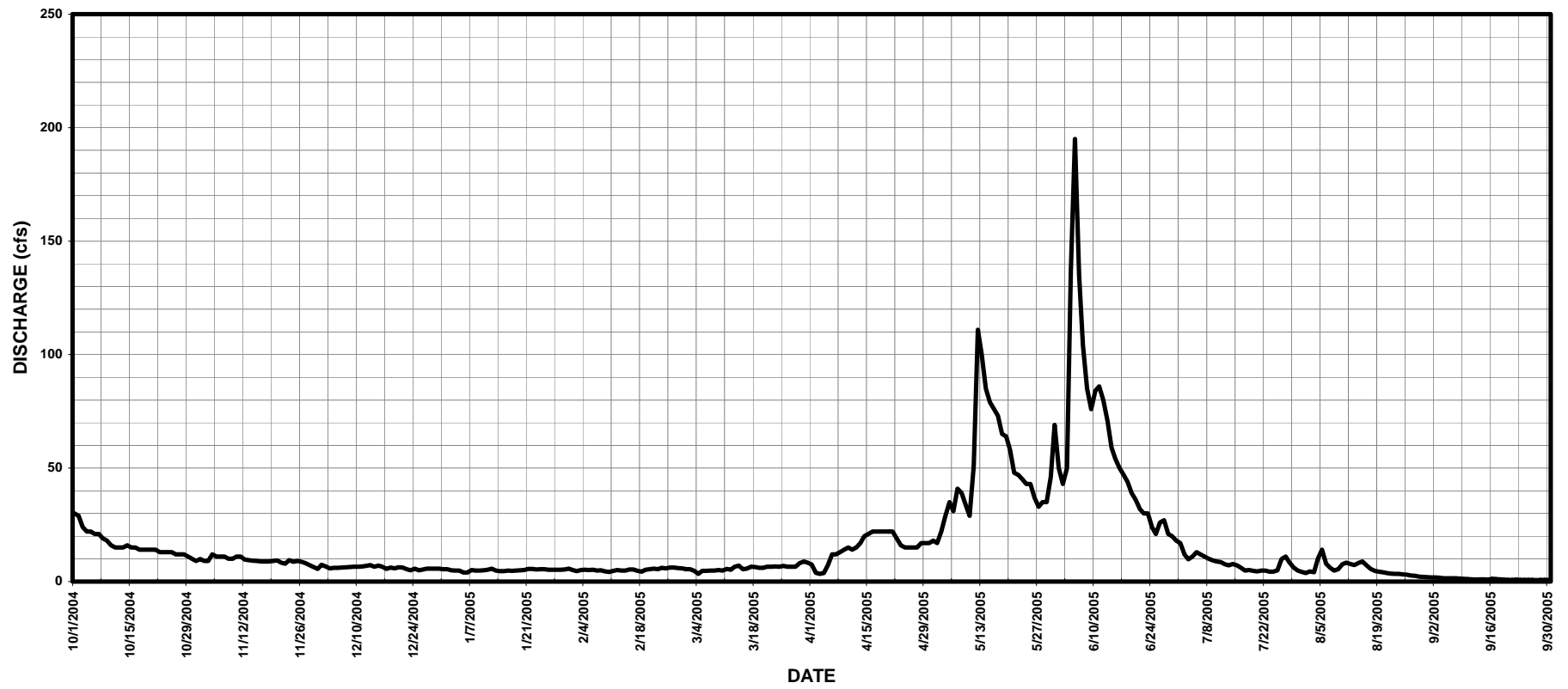
WTR YR 2005 TOTAL 5669.1 MEAN 15.5 MAX 195 MIN .61 AC-FT 11240

MAX DISCH: 250 CFS AT 20:00 ON Jun. 4, 2005 GH 6.61 FT. SHIFT -0.24 FT.

MAX GH: 6.61 FT. AT 20:00 ON Jun. 4, 2005

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

**BUCKHORN CREEK NEAR MASONVILLE CO
WY2005 HYDROGRAPH**



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 chart recorder and 8210 DCP with shaft encoder in a precast concrete shelter. The station is maintained by Northern Colorado Water Conservancy District personnel.

REMARKS.-- The primary record is hourly DCP data with the chart record as back-up. The record is complete and reliable. Chart data were used to fill in missing or bad DCP data on the following days: October 1-2, 8-15, 2004 and September 16-23, 2005. During the zero flow periods the chart/encoder used to go negative due to the draining of the canal for various projects. The base for the chart was changed from zero to a -2.0 to keep the pen from going into reversal every time the canal was drained. The record is good. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--HFCBBS017 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

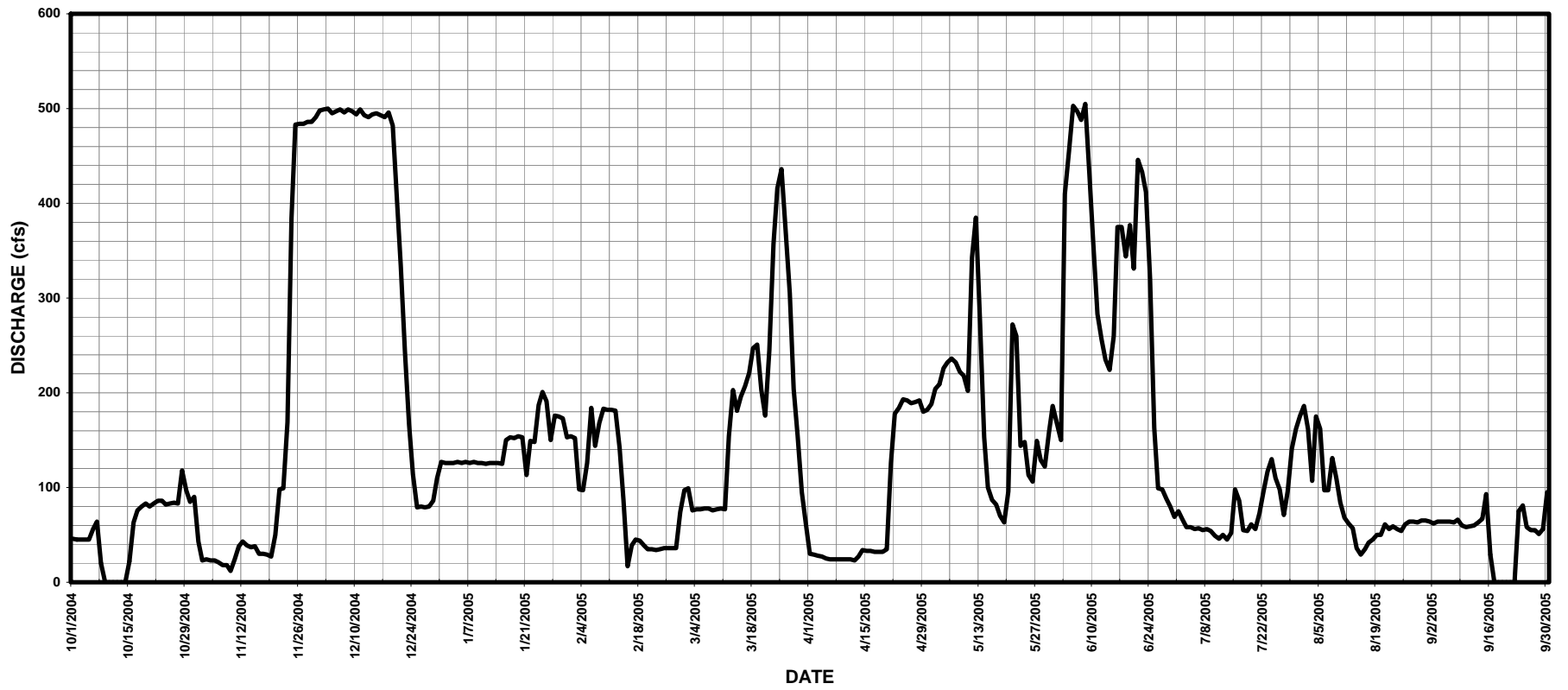
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	43	498	126	154	97	30	188	168	75	186	64
2	45	23	499	126	152	99	29	204	150	66	162	62
3	45	24	500	126	98	76	28	209	410	58	107	64
4	45	23	495	127	97	77	27	226	455	58	175	64
5	45	23	497	126	126	77	25	232	503	56	162	64
6	56	21	499	127	184	78	24	236	497	57	97	64
7	64	18	496	126	144	78	24	232	488	55	97	63
8	20	18	499	127	168	76	24	222	505	56	131	66
9	0	12	497	126	183	77	24	218	430	54	109	60
10	0	24	494	126	182	78	24	202	357	49	84	58
11	0	38	499	125	182	77	24	343	283	46	68	59
12	0	43	493	126	181	154	23	385	256	50	62	60
13	0	39	491	126	142	203	27	275	235	45	57	63
14	0	37	494	126	87	181	34	153	224	52	36	67
15	22	38	495	125	17	196	33	100	260	98	29	93
16	63	30	493	150	39	207	33	87	375	86	35	29
17	76	30	491	153	45	221	32	82	375	55	42	0
18	80	29	496	152	44	247	32	70	344	54	45	0
19	83	27	482	154	39	251	32	63	377	61	50	0
20	80	50	405	153	35	203	35	96	331	56	50	0
21	83	98	334	113	35	176	126	272	446	73	61	0
22	86	99	244	149	34	245	178	260	433	95	56	0
23	86	169	167	148	35	357	184	144	412	117	59	75
24	82	384	114	187	36	416	193	148	320	130	56	81
25	83	483	79	201	36	436	192	113	163	110	54	58
26	84	484	80	191	36	371	189	106	99	98	61	55
27	83	484	79	150	36	305	190	149	98	71	64	55
28	118	486	80	176	74	204	192	129	88	96	64	51
29	97	486	86	175	---	154	180	122	80	141	63	56
30	85	491	110	173	---	95	182	158	69	162	65	95
31	90	---	127	153	---	63	---	186	---	176	65	---
TOTAL	1747	4254	11313	4469	2621	5575	2370	5610	9231	2456	2452	1526
MEAN	56.4	142	365	144	94	180	79	181	308	79	79	50.9
AC-FT	3470	8440	22440	8860	5200	11060	4700	11130	18310	4870	4860	3030
MAX	118	491	500	201	184	436	193	385	505	176	186	95
MIN	0	12	79	113	17	63	23	63	69	45	29	0

WTR YR 2005 TOTAL 53624 MEAN 147 MAX 505 MIN 0 AC-FT 106400

MAX DISCH: 528 CFS AT 09:15 ON Jun. 3, 2005 GH 6.53 FT. SHIFT 0 FT.
MAX GH: 6.53 FT. AT 09:15 ON Jun. 3, 2005

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

CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON NEAR DRAKE CO
WY2005 HYDROGRAPH



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. The record is complete and reliable except for : November 4, 2004 through March 29, 2005 when the station was closed for the winter. Record is good. The flow at station is intermittent depending on operation of power plant and the flow north. The waste way serves as both a safety valve and delivery system returning water back to the Big Thompson River. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	20	-	-	-	-	0	38	42	0	0	88
2	0	16	-	-	-	-	0	21	17	0	0	90
3	0	6.4	-	-	-	-	0	15	0	0	0	90
4	0	-	-	-	-	-	0	15	22	0	0	97
5	0	-	-	-	-	-	0	18	12	7	0	99
6	0	-	-	-	-	-	0	15	0	3.1	0	104
7	0	-	-	-	-	-	0	17	0	0	0	96
8	0	-	-	-	-	-	0	26	0	0	0	113
9	0	-	-	-	-	-	0	31	0	6.7	0	120
10	0	-	-	-	-	-	0	9.4	0	9.8	0	120
11	0	-	-	-	-	-	0	1.2	0	9.8	0	120
12	0	-	-	-	-	-	0	0	0	14	0	50
13	0	-	-	-	-	-	0	0	0	15	0	20
14	0	-	-	-	-	-	0	0	0	15	0	20
15	0	-	-	-	-	-	0	0	0	19	0	20
16	36	-	-	-	-	-	9.7	0	0	5.9	2	19
17	0	-	-	-	-	-	14	0	0	0	1.4	20
18	0	-	-	-	-	-	14	0	0	0	0	20
19	0	-	-	-	-	-	38	0	0	0	0	6
20	0	-	-	-	-	-	63	0	0	0	0	0
21	0	-	-	-	-	-	57	10	0	0	0	17
22	0	-	-	-	-	-	51	31	0	0	0	25
23	0	-	-	-	-	-	45	115	0	0	0	25
24	0	-	-	-	-	-	36	57	0	0	0	24
25	0	-	-	-	-	-	38	118	68	0	67	7.2
26	0	-	-	-	-	-	41	115	157	0	78	0
27	0	-	-	-	-	-	41	68	128	0	70	0
28	11	-	-	-	-	-	36	28	26	0	70	0
29	16	-	-	-	---	-	46	4.8	53	0	70	0
30	130	-	-	-	---	0	45	0	33	0	80	0
31	68	---	-	-	---	0	---	5.8	---	0	84	---
TOTAL	261	42.4	-	-	-	0	574.7	759.2	558	105.3	522.4	1410.2
MEAN	8.42	1.41	-	-	-	0	19.2	24.5	18.6	3.4	16.9	47
AC-FT	518	84	-	-	-	0	1140	1510	1110	209	1040	2800
MAX	130	20	-	-	-	0	63	118	157	19	84	120
MIN	0	-	-	-	-	0	0	0	0	0	0	0

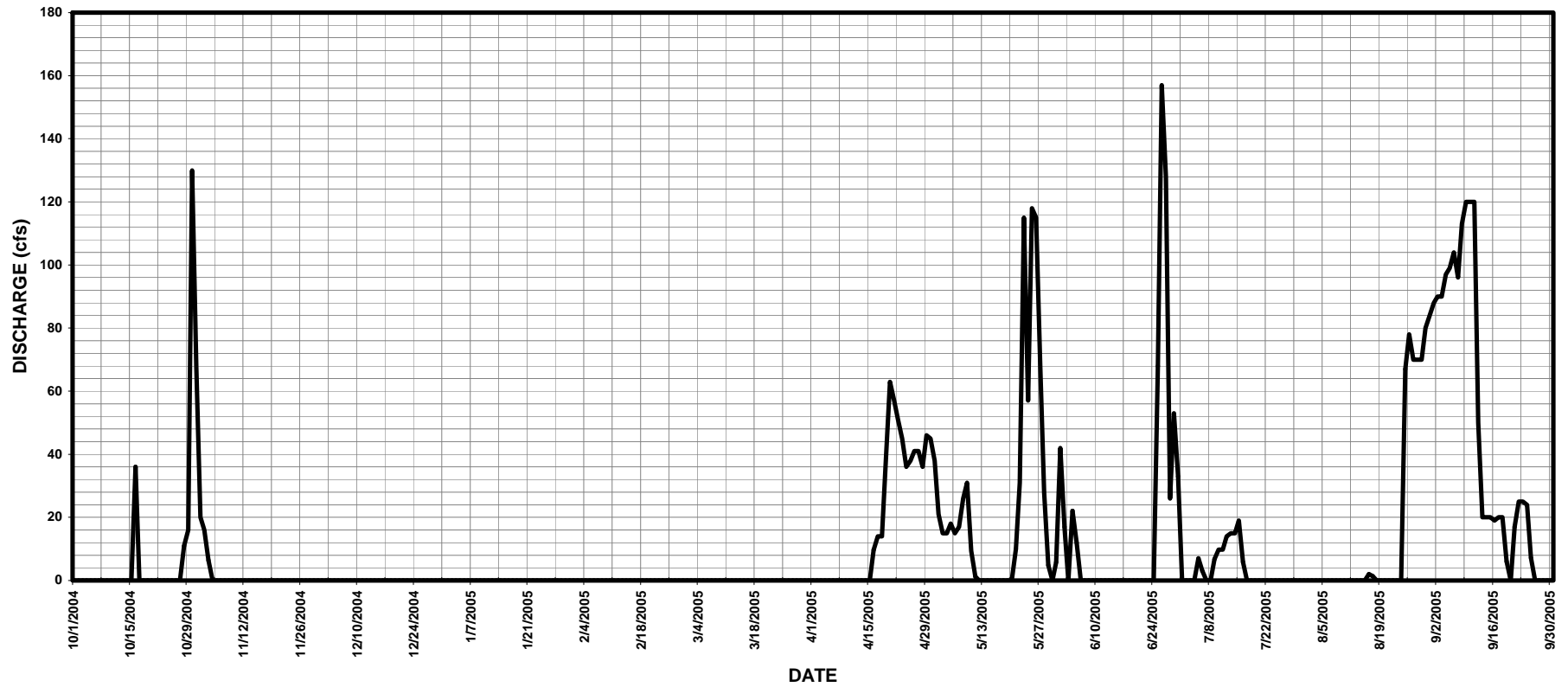
WTR YR 2005 TOTAL 4233.2 MEAN 11.6 MAX 157 MIN 0 AC-FT 8400 (PARTIAL YEAR RECORD)

MAX DISCH: 318 CFS AT 07:15 ON Oct. 16, 2004 GH 2.83 FT. SHIFT 0 FT.

MAX GH: 2.83 FT. AT 07:15 ON Oct. 16, 2004

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

06738100 CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON NEAR DRAKE CO
WY2005 HYDROGRAPH



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 graphic chart as a backup. The record is complete and reliable. A flow meter is installed in the turbine inlet. No calibration information is available on the meter. The plant discharges directly to the river so there is no chance for a direct current meter measurement. Based on indirect verification of the flow figures, the record is good. The flow at station is intermittent dependent on available river flows, water orders and other regulations. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--STCONVERT USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

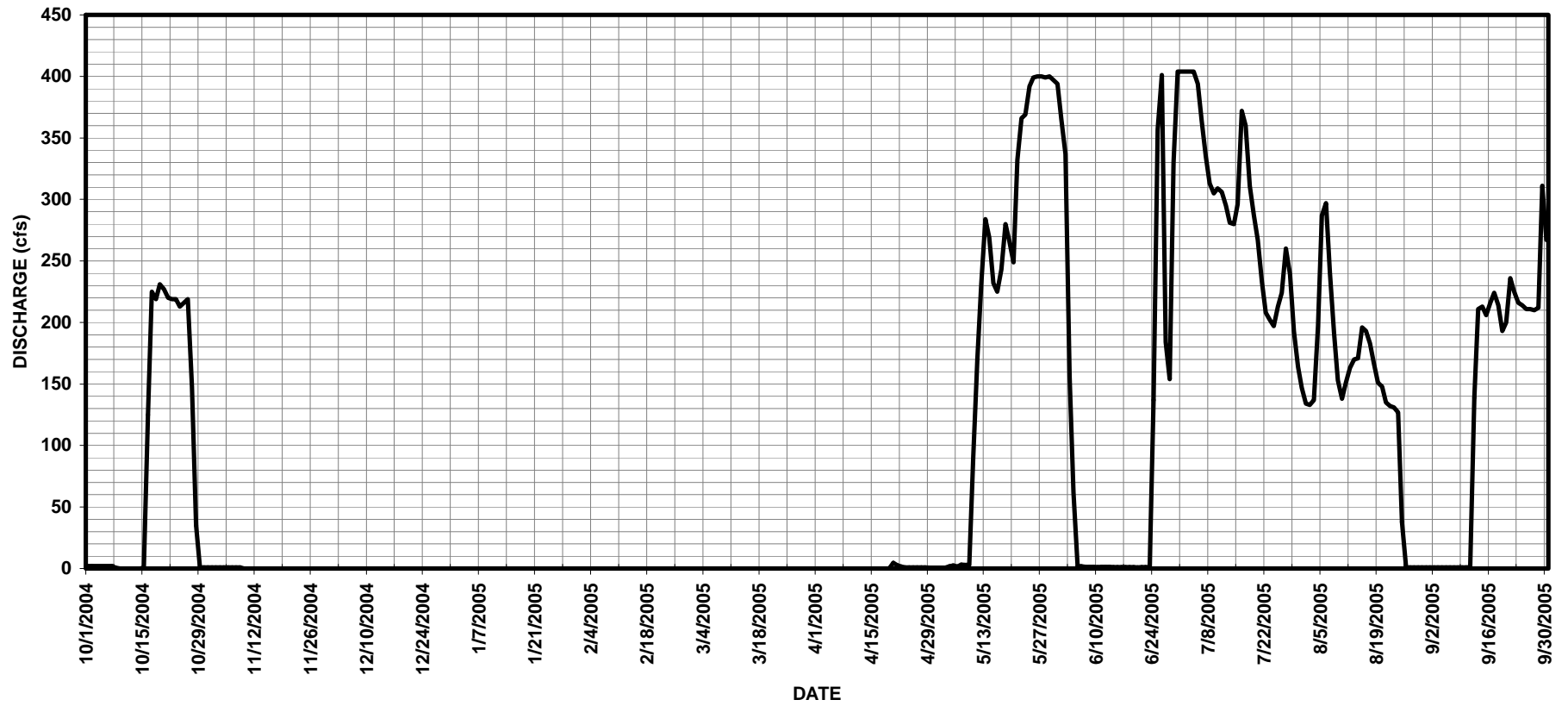
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2	1	0	0	0	0	0	.76	365	404	134	1
2	2.1	1	0	0	0	0	0	.65	337	404	133	1
3	2	1	0	0	0	0	0	.59	156	404	137	1
4	2.1	1	0	0	0	0	0	1.8	62	404	197	1
5	2.1	1	0	0	0	0	0	2.4	1.9	394	287	1
6	2	1	0	0	0	0	0	1.5	1.8	364	297	1
7	2.1	1	0	0	0	0	0	3.1	1.4	335	241	1
8	.7	.84	0	0	0	0	0	3	1.4	313	192	1
9	0	0	0	0	0	0	0	3	1.3	305	153	1
10	0	0	0	0	0	0	0	91	1.2	309	138	1
11	0	0	0	0	0	0	0	171	1.4	306	151	1.1
12	0	0	0	0	0	0	0	231	1.3	295	163	139
13	0	0	0	0	0	0	0	284	1.3	281	170	211
14	0	0	0	0	0	0	0	269	1.2	280	171	213
15	.57	0	0	0	0	0	0	232	1.2	296	196	206
16	125	0	0	0	0	0	0	225	1.2	372	193	216
17	225	0	0	0	0	0	0	243	1.1	360	183	224
18	219	0	0	0	0	0	0	280	1.1	311	167	214
19	231	0	0	0	0	0	0	266	1.1	287	151	193
20	227	0	0	0	0	0	4.6	249	1	267	148	200
21	220	0	0	0	0	0	2.6	332	1.1	233	135	236
22	219	0	0	0	0	0	1.5	366	1.1	208	132	225
23	219	0	0	0	0	0	.88	369	1.1	202	131	216
24	213	0	0	0	0	0	.92	392	137	197	127	214
25	216	0	0	0	0	0	.93	399	357	213	38	211
26	219	0	0	0	0	0	.79	400	401	224	.98	211
27	148	0	0	0	0	0	.88	400	184	260	.99	210
28	35	0	0	0	0	0	.79	399	154	239	1	212
29	1	0	0	0	---	0	.73	400	330	193	.99	311
30	1	0	0	0	---	0	.67	397	404	164	1	267
31	1	---	0	0	---	0	---	394	---	147	1	---
TOTAL	2534.67	7.84	0	0	0	0	15.29	6805.8	2911.2	8971	4170.96	4140.1
MEAN	81.8	.26	0	0	0	0	.51	220	97	289	135	138
AC-FT	5030	16	0	0	0	0	30	13500	5770	17790	8270	8210
MAX	231	1	0	0	0	0	4.6	400	404	404	297	311
MIN	0	0	0	0	0	0	0	.59	1	147	.98	1

WTR YR 2005 TOTAL 29556.86 MEAN 81 MAX 404 MIN 0 AC-FT 58630

MAX DISCH: 408 CFS AT 11:30 ON Jun. 29, 2005 GH 408 FT. SHIFT 0 FT.
MAX GH: 408 FT. AT 11:30 ON Jun. 29, 2005

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

06738100 CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON RIVER NEAR DRAKE CO
WY2005 HYDROGRAPH



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 chart recorder in a 6 x 8 concrete shelter with supplemental outside staff gage. The gage has a Sutron data collection platform (DCP) with a High Data Rate Logger and a digital shaft encoder. The station is maintained by NCWCD personnel.

REMARKS.--The primary record is the hourly DCP data with chart backup. The record is complete and reliable. Chart values were used, some hourly entry and some daily average, for April 12 through May 4, 2005 when the DCP was not started properly. The record is good. Water was run October 1 thru November 1, 2004 and April 12 to September 30, 2005. Station maintained by Merlin Friedrichsen and record developed by Div. 1 Hydrographic Staff.

RATING TABLE.--BFCLYOCO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

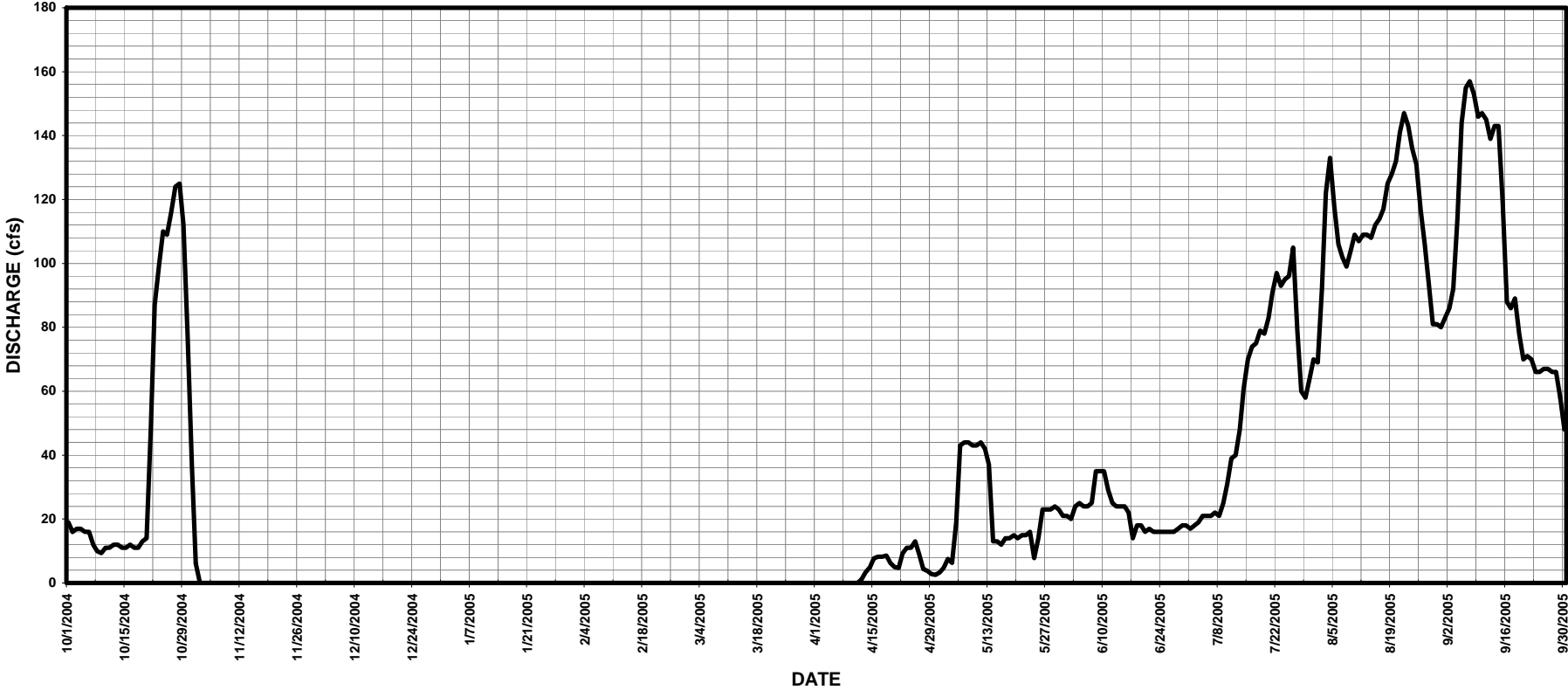
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	6.1	0	0	0	0	0	3.3	21	17	69	83
2	16	0	0	0	0	0	0	4.7	20	18	92	86
3	17	0	0	0	0	0	0	7.5	24	19	122	92
4	17	0	0	0	0	0	0	6.3	25	21	133	114
5	16	0	0	0	0	0	0	19	24	21	118	144
6	16	0	0	0	0	0	0	43	24	21	106	155
7	12	0	0	0	0	0	0	44	25	22	102	157
8	10	0	0	0	0	0	0	44	35	21	99	153
9	9.4	0	0	0	0	0	0	43	35	25	104	146
10	11	0	0	0	0	0	0	43	35	31	109	147
11	11	0	0	0	0	0	0	44	29	39	107	145
12	12	0	0	0	0	0	1.1	42	25	40	109	139
13	12	0	0	0	0	0	3.4	37	24	48	109	143
14	11	0	0	0	0	0	4.9	13	24	61	108	143
15	11	0	0	0	0	0	7.7	13	24	70	112	119
16	12	0	0	0	0	0	8.2	12	22	74	114	88
17	11	0	0	0	0	0	8.2	14	14	75	117	86
18	11	0	0	0	0	0	8.6	14	18	79	125	89
19	13	0	0	0	0	0	6.3	15	18	78	128	78
20	14	0	0	0	0	0	5	14	16	83	132	70
21	48	0	0	0	0	0	4.7	15	17	91	141	71
22	87	0	0	0	0	0	9.3	15	16	97	147	70
23	99	0	0	0	0	0	11	16	16	93	143	66
24	110	0	0	0	0	0	11	7.8	16	95	136	66
25	109	0	0	0	0	0	13	14	16	96	131	67
26	116	0	0	0	0	0	9.1	23	16	105	117	67
27	124	0	0	0	0	0	4.4	23	16	79	106	66
28	125	0	0	0	0	0	3.8	23	17	60	94	66
29	112	0	0	0	---	0	2.8	24	18	58	81	58
30	77	0	0	0	---	0	2.5	23	18	64	81	48
31	37	---	0	0	---	0	---	21	---	70	80	---
TOTAL	1305.4	6.1	0	0	0	0	125	680.6	648	1771	3472	3022
MEAN	42.1	.2	0	0	0	0	4.17	22	22	57	112	101
AC-FT	2590	12	0	0	0	0	248	1350	1290	3510	6890	5990
MAX	125	6.1	0	0	0	0	13	44	35	105	147	157
MIN	9.4	0	0	0	0	0	0	3.3	14	17	69	48

WTR YR 2005 TOTAL 11030.1 MEAN 30.2 MAX 157 MIN 0 AC-FT 21880

MAX DISCH: 175 CFS AT 10:30 ON Sep. 8, 2005 GH 2.5 FT. SHIFT 0 FT.
MAX GH: 2.5 FT. AT 10:30 ON Sep. 8, 2005

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

**BOULDER CREEK FEEDER CANAL NEAR LYONS CO
WY2005 HYDROGRAPH**



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.--A-35 Stevens's recorder in a 36-inch galvanized shelter with supplemental outside staff gage. An 8210 Sutron data collection platform (DCP) and shaft encoder was installed in 1997. The station is maintained by NCWCD personnel.

REMARKS.--The primary record is hourly DCP data with chart backup. The record is complete and reliable except for: zero flow was presumed to occur at GH's of 0.1 ft. or less. The flows on March 31 and April 1, 2005 were determined to be unreliable record because the GH was less than 0.1 ft. Therefore the discharge was estimated to be 0. The canal was in use from October 1, 2004 to November 1, 2004 and March 31, 2005 to September 30, 2005. The record is good, except Mzrch 31-April 1, 2005 which were estimated and considered fair. Station maintained by Merlin Friedrichsen and record developed by Lee Cunning.

RATING TABLE.--SVSLYOCO05 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	6.5	0	0	0	0	0	6.5	22	17	172	151
2	26	0	0	0	0	0	0	5.8	21	18	194	155
3	27	0	0	0	0	0	0	7.2	24	19	225	163
4	26	0	0	0	0	0	3.5	7.3	25	20	238	187
5	26	0	0	0	0	0	5.8	20	24	20	222	217
6	26	0	0	0	0	0	7.5	43	24	20	209	226
7	22	0	0	0	0	0	5.9	44	25	27	206	227
8	22	0	0	0	0	0	3.6	44	34	31	202	196
9	21	0	0	0	0	0	4.1	43	34	36	207	166
10	22	0	0	0	0	0	4.7	44	33	41	211	166
11	21	0	0	0	0	0	5.9	45	28	48	211	163
12	22	0	0	0	0	0	3.6	43	25	48	213	200
13	22	0	0	0	0	0	3.3	37	24	51	214	232
14	21	0	0	0	0	0	4.6	15	24	60	212	232
15	21	0	0	0	0	0	7.2	14	24	70	216	205
16	22	0	0	0	0	0	7.5	13	21	116	217	174
17	21	0	0	0	0	0	8	14	14	150	220	125
18	21	0	0	0	0	0	8.1	14	17	154	228	89
19	23	0	0	0	0	0	6.1	16	18	154	240	81
20	25	0	0	0	0	0	4.6	14	15	161	249	75
21	60	0	0	0	0	0	4.4	15	16	169	258	76
22	98	0	0	0	0	0	9.7	14	16	175	263	76
23	111	0	0	0	0	0	12	16	16	187	259	127
24	122	0	0	0	0	0	12	8	16	199	252	175
25	121	0	0	0	0	0	14	13	16	199	250	178
26	129	0	0	0	0	0	10	23	16	206	236	178
27	138	0	0	0	0	0	6	22	16	181	224	178
28	138	0	0	0	0	0	6.2	23	17	161	210	178
29	118	0	0	0	---	0	6	23	18	160	196	172
30	77	0	0	0	---	0	5.7	23	18	167	196	115
31	34	---	0	0	---	0	---	22	---	172	170	---
TOTAL	1612	6.5	0	0	0	0	180	691.8	641	3237	6820	4883
MEAN	52	.22	0	0	0	0	6	22.3	21	104	220	163
AC-FT	3200	13	0	0	0	0	357	1370	1270	6420	13530	9690
MAX	138	6.5	0	0	0	0	14	45	34	206	263	232
MIN	21	0	0	0	0	0	0	5.8	14	17	170	75

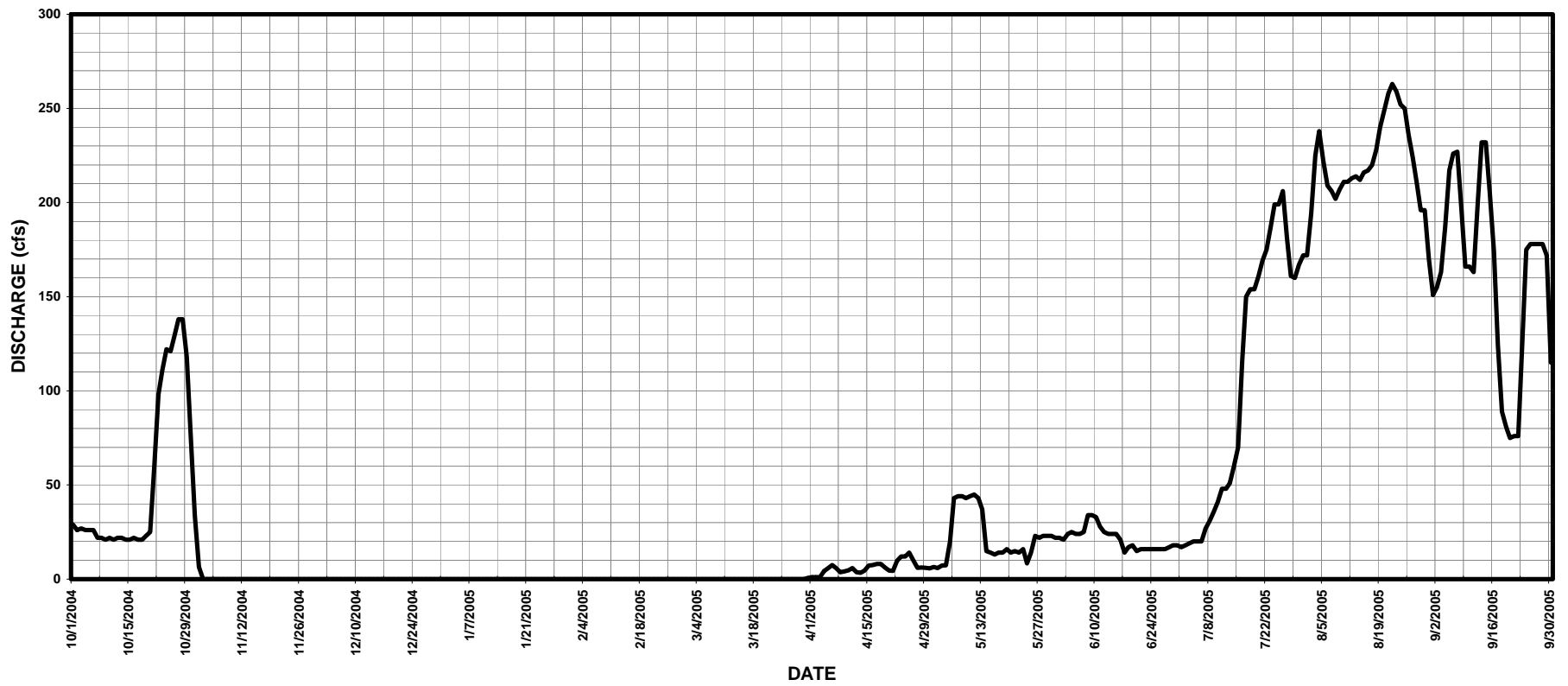
WTR YR 2005 TOTAL 18071.3 MEAN 49.5 MAX 263 MIN 0 AC-FT 35840

MAX DISCH: 268 CFS AT 21:30 ON Aug. 21, 2005 GH 2.51 FT. SHIFT 0 FT.

MAX GH: 2.51 FT. AT 21:30 ON Aug. 21, 2005

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

ST. VRAIN SUPPLY CANAL NEAR LYONS CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

LITTLE THOMPSON RIVER AT 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 mi².

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 be within +0.02 with the chart. Record is complete and reliable except for: November 3, 2004 through March 3, 2005 when the station was closed for the winter. The record is good except for November 3, March 3, June 3 and the peak flow of 651 cfs on June 3-- which were all estimated. June 3 and the peak are considered estimates due to lack of recent measurements defining the rating above 155 cfs. This gage is a partial year station that is closed in the winter months. Station maintained and record developed by Div. 1 Hydrographic Staff.

RATING TABLE.--LTCANYCO12 USED FROM 01-OCT-2004 TO 03-NOV-2005
LTCANYCO12 USED FROM 19-MAY-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

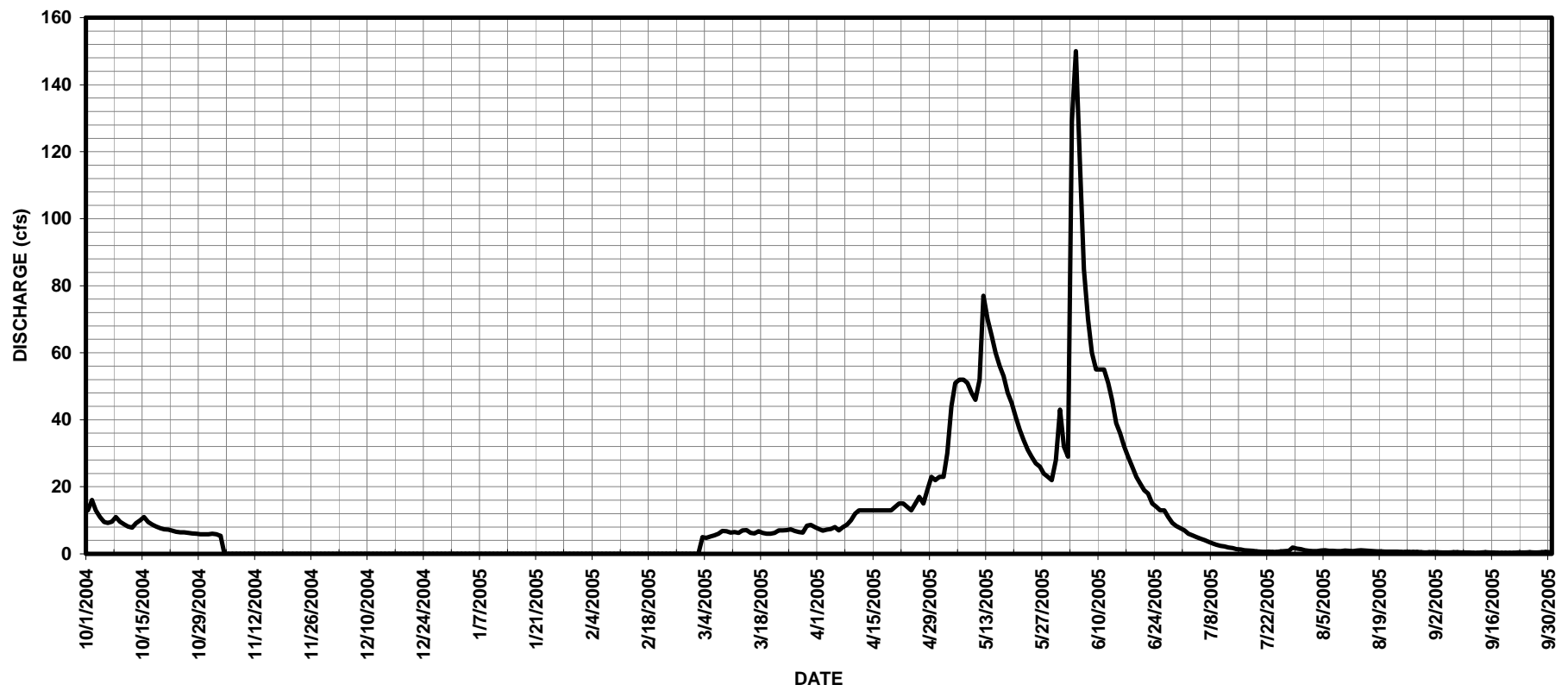
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	6	-	-	-	-	7.4	23	32	7	.89	.5
2	16	5.8	-	-	-	-	6.9	23	29	6	.82	.46
3	13	5.3	-	-	-	4.9	7.2	30	129	5.5	.8	.43
4	11	-	-	-	-	4.8	7.4	44	150	5	.97	.43
5	9.5	-	-	-	-	5.2	8	51	118	4.5	1.1	.42
6	9.2	-	-	-	-	5.5	7	52	85	4.1	.91	.47
7	9.6	-	-	-	-	6	8	52	70	3.6	.92	.47
8	11	-	-	-	-	6.8	8.7	51	60	3.1	.86	.44
9	9.6	-	-	-	-	6.7	10	48	55	2.7	.8	.41
10	8.8	-	-	-	-	6.3	12	46	55	2.4	.97	.39
11	8.1	-	-	-	-	6.5	13	52	55	2.2	.94	.36
12	7.8	-	-	-	-	6.2	13	77	51	1.9	.86	.31
13	9.1	-	-	-	-	7	13	70	46	1.7	1	.37
14	10	-	-	-	-	7.1	13	65	39	1.4	1.1	.49
15	11	-	-	-	-	6.2	13	60	36	1.3	1	.45
16	9.5	-	-	-	-	6.1	13	56	32	1.1	.92	.39
17	8.7	-	-	-	-	6.7	13	53	29	1	.83	.35
18	8.1	-	-	-	-	6.2	13	48	26	.91	.74	.34
19	7.6	-	-	-	-	6	13	45	23	.75	.7	.36
20	7.3	-	-	-	-	6	14	41	21	.62	.63	.33
21	7.2	-	-	-	-	6.2	15	37	19	.57	.62	.31
22	6.9	-	-	-	-	7	15	34	18	.63	.63	.45
23	6.6	-	-	-	-	7	14	31	15	.57	.65	.45
24	6.4	-	-	-	-	7.1	13	29	14	.57	.59	.41
25	6.4	-	-	-	-	7.3	15	27	13	.72	.57	.46
26	6.2	-	-	-	-	6.8	17	26	13	.82	.57	.43
27	6.1	-	-	-	-	6.5	15	24	11	.93	.57	.39
28	6	-	-	-	-	6.3	19	23	9.2	1.9	.56	.49
29	5.8	-	-	-	---	8.4	23	22	8.3	1.6	.5	.54
30	5.8	-	-	-	---	8.6	22	28	7.6	1.4	.45	.46
31	5.8	---	-	-	---	8	---	43	---	1.1	.48	---
TOTAL	267.1	17.1	-	-	-	189.4	381.6	1311	1269.1	67.59	23.95	12.56
MEAN	8.6	.57	-	-	-	6.11	12.7	42	42.3	2.18	.77	.42
AC-FT	530	34	-	-	-	376	757	2600	2520	134	48	25
MAX	16	6	-	-	-	8.6	23	77	150	7	1.1	.54
MIN	5.8	5.3	-	-	-	4.8	6.9	22	7.6	.57	.45	.31

WTR YR 2005 TOTAL 3539.4 MEAN 9.7 MAX 150 MIN 0 AC-FT 7020 (PARTIAL YEAR RECORD)

MAX DISCH: 651 CFS AT 15:45 ON Jun. 3, 2005 GH 5.71 FT. SHIFT -0.44 FT.
MAX GH: 5.71 FT. AT 15:45 ON Jun. 3, 2005

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

LITTLE THOMPSON RIVER AT CANYON MOUTH NEAR BERTHOUD CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE, CO

LOCATION.--Lat 40°21'00", long 104°47'04", in SW1/4, SE1/4, Sec. 33, T.5N., R.66 W., Weld County, CO, on left bank just southeast of gage on Evans Town Ditch, 0.7 miles upstream from bridge on WCR 396, 1.6 miles upstream from mouth and 4 miles West of LaSalle, CO.

DRAINAGE AREA AND PERIOD OF RECORD.--828 mi²; 1951 to present.

GAGE.--8210 data collection platform and a graphic recorder as backup, in wooden shelter with galvanized well section. The drop tape is the primary reference with a supplemental outside chain gage.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. Daily maximum and minimum stages for the satellite record did agree within +/- 0.02 of the chart. The record is complete, reliable and good except for the following days which are estimated and poor due to ice affect: November 30, 2004, December 1 - 4, 2004, January 5 - 8, 16 - 17, 2005. Station maintained by Div. 1 Hydrographic Staff and record developed by Lee Cunning.

RATING TABLE.--BIGLASCO25 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

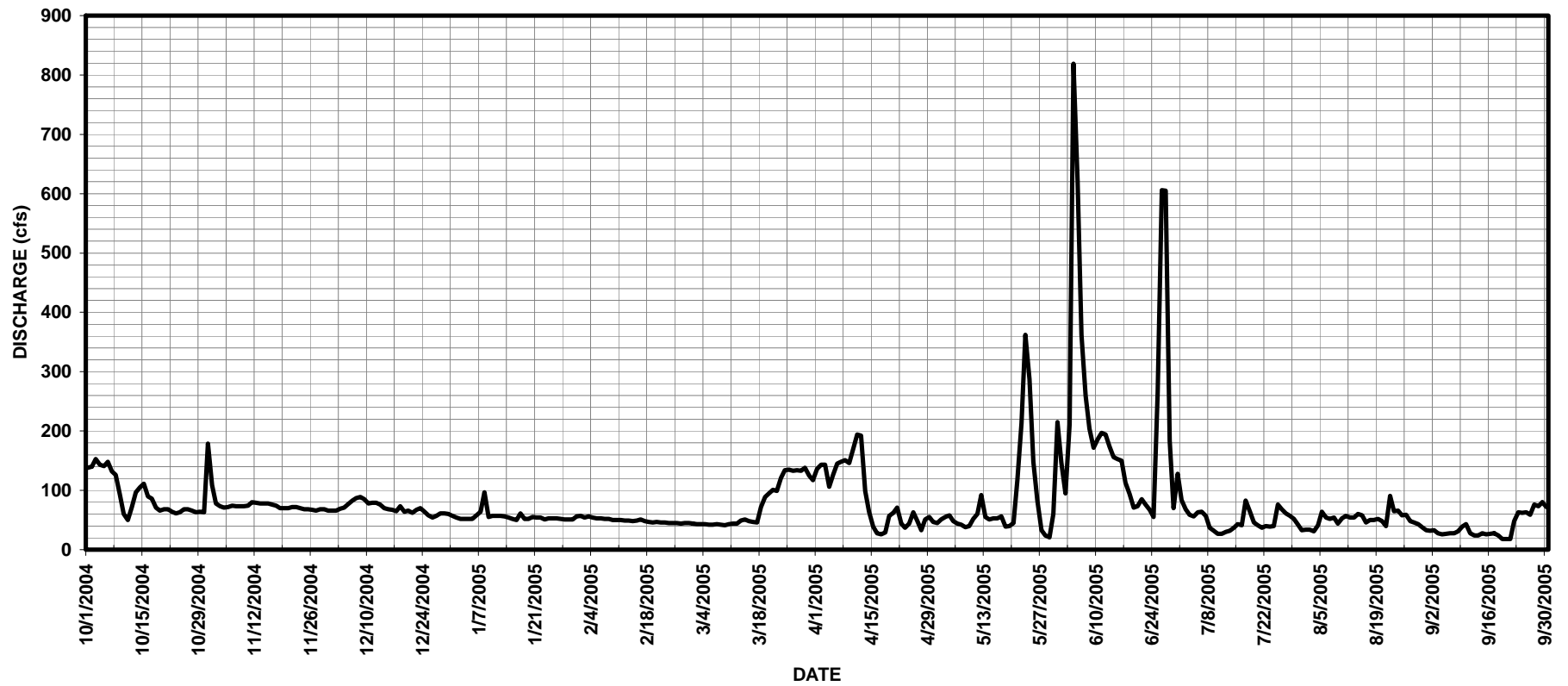
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	109	66	54	57	44	136	45	147	84	34	32
2	140	78	66	52	54	43	143	51	95	68	34	33
3	153	73	69	52	56	43	143	55	211	59	31	28
4	143	71	71	52	54	43	106	58	819	56	41	26
5	141	72	77	52	53	42	126	48	620	63	64	27
6	148	74	83	58	53	42	145	44	362	64	54	28
7	132	73	87	64	52	43	148	42	260	57	52	28
8	126	73	89	97	52	42	151	38	204	37	54	31
9	93	73	85	55	50	41	146	40	172	32	44	39
10	60	74	78	57	50	43	169	52	186	27	53	43
11	50	80	79	57	50	44	194	60	197	27	57	28
12	71	79	79	57	49	44	192	92	194	30	54	24
13	97	78	76	56	49	49	99	55	174	32	54	24
14	105	78	70	54	48	51	64	51	156	37	60	28
15	111	78	68	52	49	48	39	53	153	43	58	26
16	90	76	67	50	51	47	28	53	150	41	46	27
17	86	74	65	61	48	46	26	56	113	83	50	28
18	71	70	73	52	47	72	29	39	94	65	50	24
19	66	70	64	52	46	89	57	40	71	46	52	18
20	68	70	66	55	47	95	62	45	73	41	48	18
21	68	72	62	54	46	101	71	117	85	37	40	18
22	64	72	67	54	46	99	44	213	76	40	91	48
23	61	70	70	51	45	121	37	362	67	39	65	63
24	63	68	64	53	45	134	44	287	55	40	66	62
25	68	68	58	53	45	135	63	148	266	76	58	63
26	68	67	54	53	44	133	49	83	606	68	59	59
27	66	66	57	52	45	134	33	33	605	61	48	76
28	63	68	61	51	45	133	51	24	184	57	46	73
29	64	68	61	51	---	138	55	21	70	52	43	80
30	63	66	60	51	---	125	47	60	128	42	38	72
31	179	---	57	56	---	117	---	215	---	33	33	---
TOTAL	2916	2208	2149	1718	1376	2381	2697	2580	6593	1537	1577	1174
MEAN	94	74	69	55	49	77	90	83	220	50	51	39
AC-FT	5780	4380	4260	3410	2730	4720	5350	5120	13080	3050	3130	2330
MAX	179	109	89	97	57	138	194	362	819	84	91	80
MIN	50	66	54	50	44	41	26	21	55	27	31	18

WTR YR 2005 TOTAL 28906 MEAN 79.2 MAX 819 MIN 18 AC-FT 57340

MAX DISCH: 1000 CFS AT 20:15 ON Jun. 4, 2005 GH 4.33 FT. SHIFT 0 FT.
MAX GH: 4.33 FT. AT 20:15 ON Jun. 4, 2005

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

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

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

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

DRAINAGE AREA AND PERIOD OF RECORD.--1,056 mi². 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.--Stevens F-type water stage recorder and satellite monitoring in a concrete shelter and stilling well. The 8004 DCP was replaced September 24, 2004 with a Satlink logger with speech card. There is a supplemental chain gage.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart as back up. The record is complete and reliable and good, except for the period: November 22, 2004 through January 24, 2005 when the station was closed for winter. Record was estimated during this period and is poor. The January opening of the station was very early, but the river was open and the well was kept open with a propane heater. The gage was visited and chart and encoder calibration was checked at least weekly, so accuracy was well maintained. Satellite mean gage heights checked with chart values to within ± .02 ft. Station maintained and record developed by George Sievers.

RATING TABLE.--CLAFTCC011 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

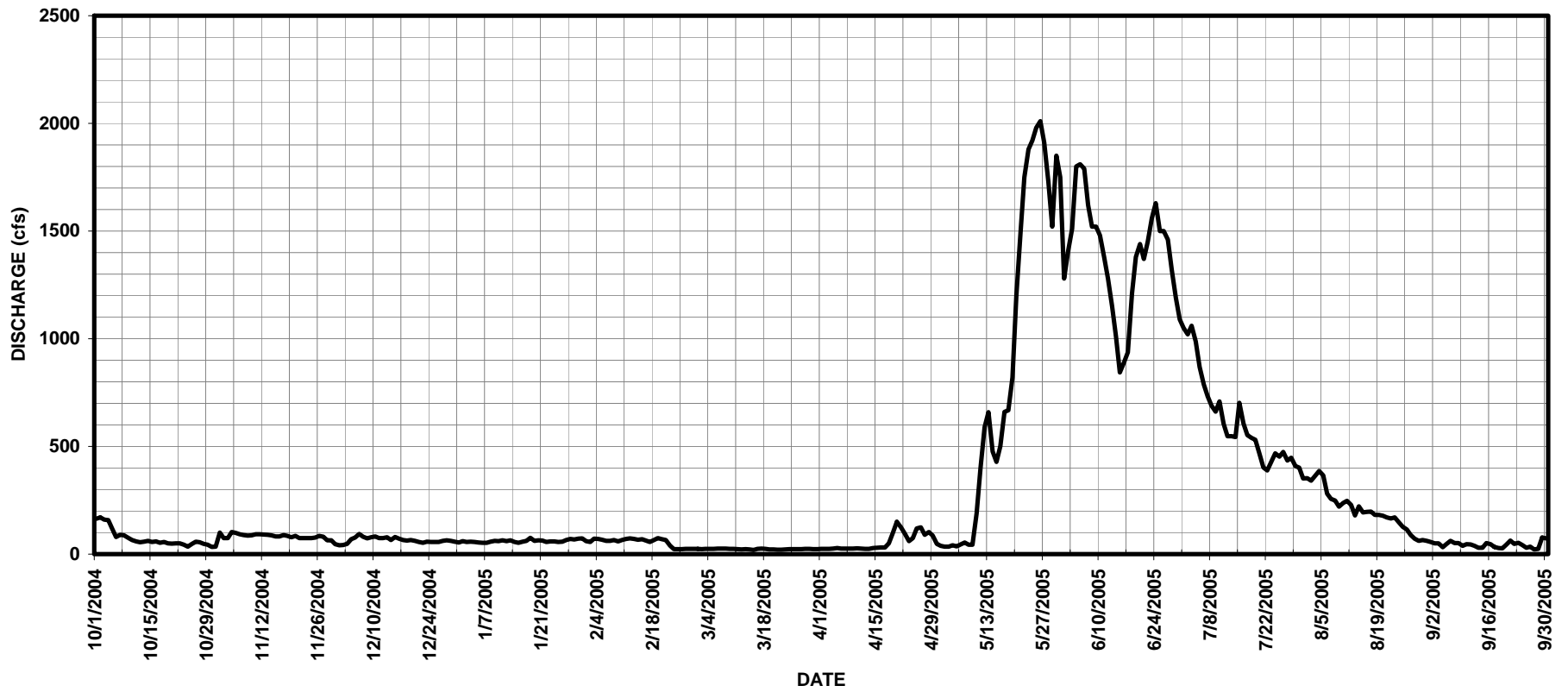
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	100	41	60	60	24	24	39	1280	1050	352	56
2	170	75	42	56	57	23	25	34	1410	1020	341	50
3	160	75	47	58	72	24	25	35	1510	1060	364	50
4	158	103	69	56	71	25	26	41	1800	987	386	32
5	118	99	77	54	67	25	28	36	1810	869	365	47
6	80	92	94	53	61	26	26	45	1790	788	281	62
7	90	88	81	53	61	26	26	54	1620	733	256	51
8	87	86	73	58	66	26	26	43	1520	690	249	51
9	76	87	78	62	59	25	26	43	1520	662	220	39
10	65	92	82	60	65	25	27	188	1480	709	237	46
11	59	92	74	64	70	23	26	397	1380	605	247	45
12	55	91	75	60	73	22	25	590	1280	548	228	38
13	58	90	78	64	71	23	25	659	1150	547	180	29
14	62	87	66	57	67	22	28	477	1010	543	222	29
15	56	82	79	53	69	19	30	428	843	702	193	51
16	59	82	72	58	63	24	31	501	890	607	196	46
17	53	88	66	62	57	26	31	660	937	553	198	33
18	57	85	63	76	65	24	50	668	1210	540	182	28
19	50	78	66	62	74	22	100	821	1380	531	182	27
20	49	84	61	64	69	22	150	1200	1440	465	178	43
21	50	75	57	63	66	21	124	1490	1370	403	171	63
22	50	75	53	56	40	21	95	1750	1450	388	166	48
23	44	75	58	59	23	22	60	1880	1560	429	170	53
24	34	74	57	59	23	23	75	1920	1630	468	147	42
25	48	77	57	56	23	23	119	1980	1500	453	127	29
26	58	84	57	58	24	23	124	2010	1500	475	114	34
27	55	81	61	66	24	23	90	1910	1460	435	89	22
28	48	64	64	70	24	24	103	1730	1320	448	72	25
29	43	64	61	68	---	24	86	1520	1190	409	62	77
30	33	46	58	72	---	23	48	1850	1090	401	66	73
31	34	---	54	73	---	23	---	1750	---	351	61	---
TOTAL	2223	2471	2021	1890	1564	726	1679	26749	41330	18869	6302	1319
MEAN	72	82	65	61	56	23	56	863	1378	609	203	44
AC-FT	4410	4900	4010	3750	3100	1440	3330	53060	81980	37430	12500	2620
MAX	170	103	94	76	74	26	150	2010	1810	1060	386	77
MIN	33	46	41	53	23	19	24	34	843	351	61	22

WTR YR 2005 TOTAL 107143 MEAN 294 MAX 2010 MIN 19 AC-FT 212500

MAX DISCH: 2270 CFS AT 04:30 ON May. 26, 2005 GH 4.97 FT. SHIFT -0.11 FT.
MAX GH: 4.97 FT. AT 04:30 ON May. 26, 2005

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

06752000 CACHE LA POUFRE RIVER AT MOUTH OF CANYON NEAR FORT COLLINS CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

06752500 CACHE LA POUUDRE 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 mi².

GAGE.--Stevens A-35 water stage recorder and satellite monitoring DCP with shaft encoder in a 48-inch metal shelter and well. The DCP was upgraded from an 8004 to a new 8210 with hourly transmissions on August 27, 2003. The outside gage is a wire weight on the bridge above the station, and some distance from the inlets. 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 31, 2004 and April 3, 2005. These two days were the end and beginning of daylight savings time. Due to a firmware problem between the Sutron 8210 DCP and the new Satlink (Hourly) transmitter, the data was logged 1 hour fast from October 1, 2004 until March 3, 2005. For this time period, a new textfile of primary values was created with the correct time stamp, and loaded into the record spreadsheet. The record is fair because of the condition of the channel. Station maintained and record developed by George Sievers.

RATING TABLE.--CLAGRECO26 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

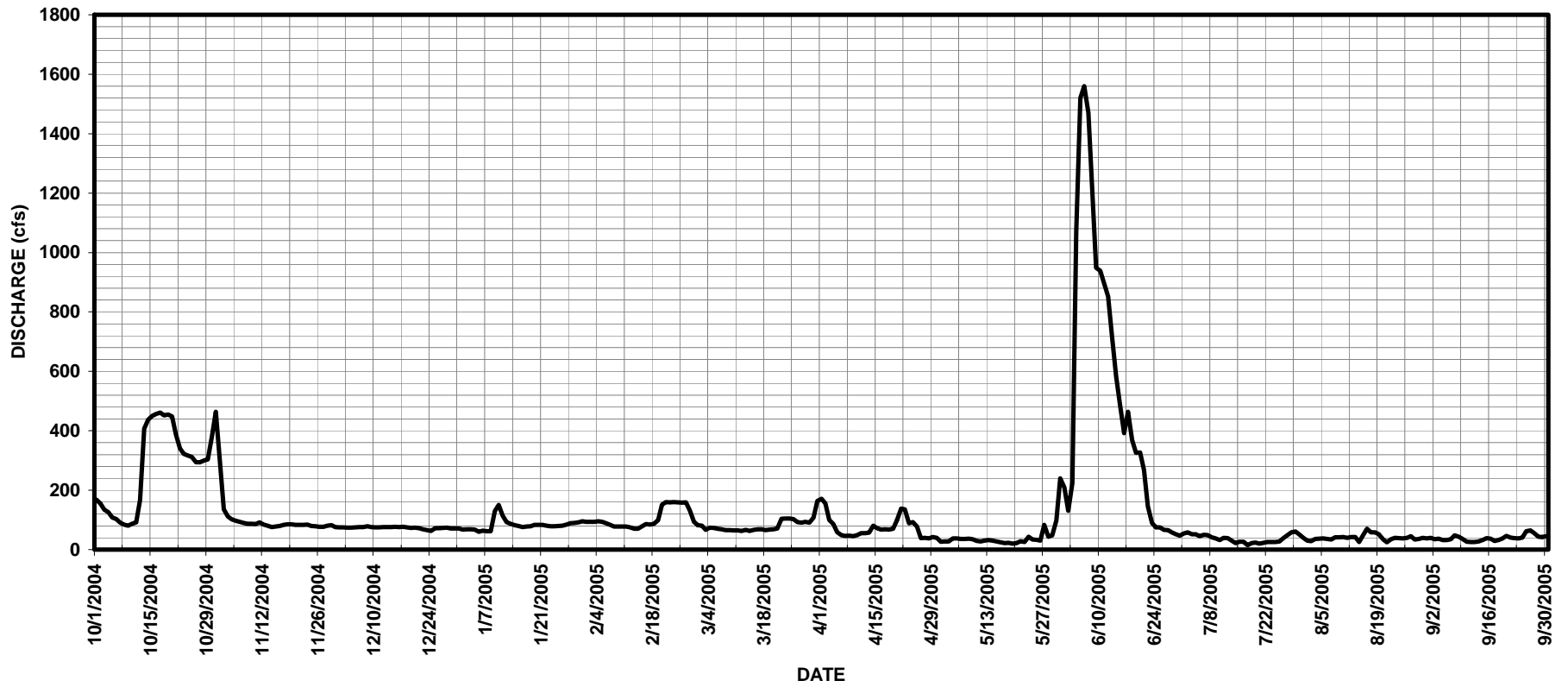
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169	295	75	68	94	82	171	27	209	55	31	40
2	155	135	75	69	94	81	156	28	131	58	29	35
3	134	111	74	69	94	67	100	28	224	52	36	37
4	126	102	74	68	95	74	86	38	1070	52	37	32
5	108	97	75	60	94	73	59	38	1520	45	38	32
6	103	94	76	64	89	70	49	36	1560	50	36	35
7	91	90	76	62	83	69	46	36	1470	49	34	48
8	84	87	79	62	78	66	47	37	1210	42	42	44
9	81	87	76	130	78	66	45	35	949	38	42	36
10	87	86	75	150	78	65	49	30	938	32	43	27
11	92	92	75	115	78	65	56	28	898	40	40	26
12	168	84	76	93	75	63	56	31	852	39	43	26
13	407	81	76	87	70	67	57	32	719	31	43	28
14	437	76	76	82	70	63	81	31	584	22	26	32
15	450	78	77	80	79	67	72	28	488	27	48	39
16	457	80	76	76	86	69	68	25	392	27	70	37
17	461	83	77	78	84	69	69	22	464	15	58	30
18	452	85	75	79	87	66	68	23	369	22	58	32
19	455	85	73	83	99	68	70	20	326	24	52	38
20	448	83	74	83	151	69	99	22	327	20	35	46
21	389	83	72	83	160	71	138	29	268	23	25	41
22	341	83	69	81	159	104	135	26	145	26	35	39
23	322	84	66	79	160	105	89	44	90	26	40	38
24	317	80	63	79	159	105	93	34	75	26	39	41
25	312	79	72	80	158	103	78	33	75	28	38	62
26	295	77	72	81	159	93	39	31	67	39	40	65
27	294	77	73	84	132	91	40	83	66	49	45	56
28	300	81	74	89	94	94	38	44	58	58	34	44
29	304	82	71	90	---	91	43	48	52	61	36	43
30	382	76	71	92	---	107	40	98	47	51	40	45
31	464	---	71	95	---	164	---	240	---	40	38	---
TOTAL	8685	2813	2284	2591	2937	2507	2237	1305	15643	1167	1251	1174
MEAN	280	94	74	84	105	81	75	42	521	38	40	39
AC-FT	17230	5580	4530	5140	5830	4970	4440	2590	31030	2310	2480	2330
MAX	464	295	79	150	160	164	171	240	1560	61	70	65
MIN	81	76	63	60	70	63	38	20	47	15	25	26

WTR YR 2005 TOTAL 44594 MEAN 122 MAX 1560 MIN 15 AC-FT 88450

MAX DISCH: 1680 CFS AT 21:00 ON Jun. 5, 2005 GH 7.27 FT. SHIFT -1.12 FT.
MAX GH: 7.27 FT. AT 21:00 ON Jun. 5, 2005

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

06752500 CACHE LA POUVRE RIVER NEAR GREELEY CO
WY2005 HYDROGRAPH



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.--9,659 mi². May 1901 to Dec. 1903, Mar. 1905 to current year. Monthly totals only for some periods. Periodic water-quality data available from 1950.

GAGE.--A graphic water-stage recorder and digital shaft encoder activated by a manometer in a concrete block shelter, also equipped with a satellite monitoring DCP. Both devices are hooked to the manometer. An outside wire weight is used for referencing the gage. A land-line phone is installed and the DCP is equipped with a voice modem card.

REMARKS.--The primary record is hourly data taken from the manometer. The chart and DCP provide duplicate sources for this data. The chart is used to provide data if the SE appears to be not tracking with the manometer, or if satellite transmissions are missed. The chart is also used in record development to check for errors generated in satellite data transmission and collection. The daily max and min GH's in the satellite record for this year checked to within + 0.02 with what could be seen on the chart. The orifice has become more of a problem here as the channel under the line has continued to fill in. The line must be raised and lowered constantly to remain in the operating range. Record is rated fair due to manometer operation and channel instability. Some days when "painting" was present had variance in hourly values, but the daily average was still considered "Fair". Station maintained and record developed by George Sievers.

RATING TABLE.--PLAKERCO22 USED FROM 01-OCT-2004 TO 30-SEP-2005

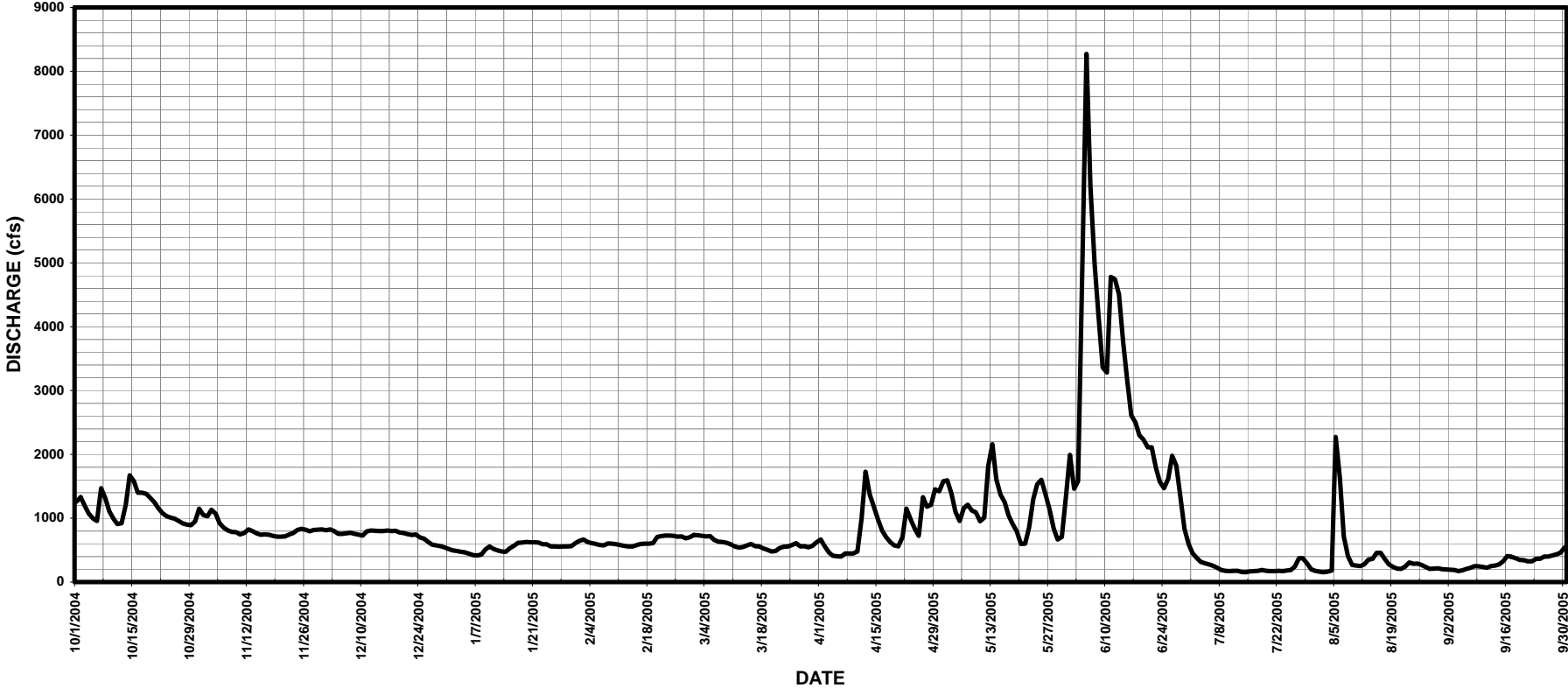
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1260	1050	811	497	645	736	668	1580	1990	452	162	196
2	1330	1030	824	486	668	734	560	1590	1460	379	154	191
3	1190	1130	797	473	628	723	467	1380	1580	317	161	187
4	1070	1070	755	467	611	717	412	1100	4890	294	180	172
5	997	922	756	445	597	720	405	954	8270	277	2270	183
6	954	852	764	423	578	657	399	1160	6210	254	1630	206
7	1470	808	773	418	574	631	446	1210	4990	224	716	225
8	1310	785	754	432	605	626	446	1120	4170	188	405	251
9	1110	779	740	507	601	614	447	1090	3360	176	266	245
10	990	746	730	557	594	594	478	952	3280	170	257	238
11	909	769	796	518	577	559	1000	1010	4780	177	249	225
12	922	823	807	496	565	541	1730	1810	4740	177	275	251
13	1210	799	801	480	557	550	1370	2160	4510	157	350	258
14	1670	761	799	475	556	576	1190	1610	3760	154	366	277
15	1580	742	800	531	577	598	988	1370	3140	167	457	327
16	1400	745	805	569	595	560	806	1250	2610	170	454	410
17	1400	742	797	612	600	559	705	1040	2500	176	365	395
18	1380	725	801	617	599	525	626	903	2300	187	277	375
19	1320	711	776	629	611	503	576	793	2230	176	239	347
20	1250	709	769	625	708	478	562	598	2110	169	211	344
21	1160	717	750	624	720	485	703	602	2110	169	205	323
22	1080	745	736	617	726	535	1150	852	1790	175	241	323
23	1030	766	744	590	728	554	982	1300	1570	170	309	362
24	1010	815	699	590	722	558	841	1530	1470	178	285	363
25	990	832	679	557	711	579	724	1600	1620	187	289	398
26	955	822	629	557	717	609	1330	1370	1980	242	269	397
27	915	794	582	552	683	556	1180	1140	1820	373	239	415
28	901	816	573	556	702	560	1210	839	1350	373	207	434
29	892	821	561	559	---	545	1450	668	833	288	209	460
30	950	825	544	562	---	567	1420	705	590	198	215	543
31	1150	---	516	611	---	621	---	1350	---	175	200	---
TOTAL	35755	24651	22668	16632	17755	18370	25271	36636	88013	6969	12112	9321
MEAN	1153	822	731	537	634	593	842	1182	2934	225	391	311
AC-FT	70920	48900	44960	32990	35220	36440	50130	72670	174600	13820	24020	18490
MAX	1670	1130	824	629	728	736	1730	2160	8270	452	2270	543
MIN	892	709	516	418	556	478	399	598	590	154	154	172

WTR YR 2005 TOTAL 314153 MEAN 861 MAX 8270 MIN 154 AC-FT 623100

MAX DISCH: 9510 CFS AT 12:45 ON Jun. 5, 2005 GH 9.49 FT. SHIFT -0.34 FT. DATUM CORRECTION -0.10 FT.
MAX GH: 9.49 FT. AT 12:45 ON Jun. 5, 2005

06754000 SOUTH PLATTE RIVER NEAR KERSEY CO
WY2005 HYDROGRAPH



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.--13,190 mi². October 1952 to current year.

GAGE.--Graphic water-stage recorder and satellite monitoring equipment in a corrugated metal pipe and stilling well. The satellite equipment is a Sutron 8004 with digital shaft encoder. The 8004 was replaced with a SATLINK LOGGER on June 28. This encoder was replaced in late September after not working properly for several weeks. An electric tape inside the station references the gage. There is no outside reference.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. The recorder had numerous periods during the colder weather when the clock would stop, however the DCP worked almost perfectly all year. A mild winter resulted in no ice. All satellite data used agreed with the mean gage heights taken from the chart to within ±0.02 feet. Encoder calibration was supported by 50 visits to the gage. The record is considered fair because of all the shifting sand. The period of December 28, 2004 to January 11, 2005 might be consider least accurate (but still fair) because of a 0.07 ft gage height correction and no chart record to compare the DCP data to. Station maintained and record developed by George Sievers.

RATING TABLE.--PLAWELCO17 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

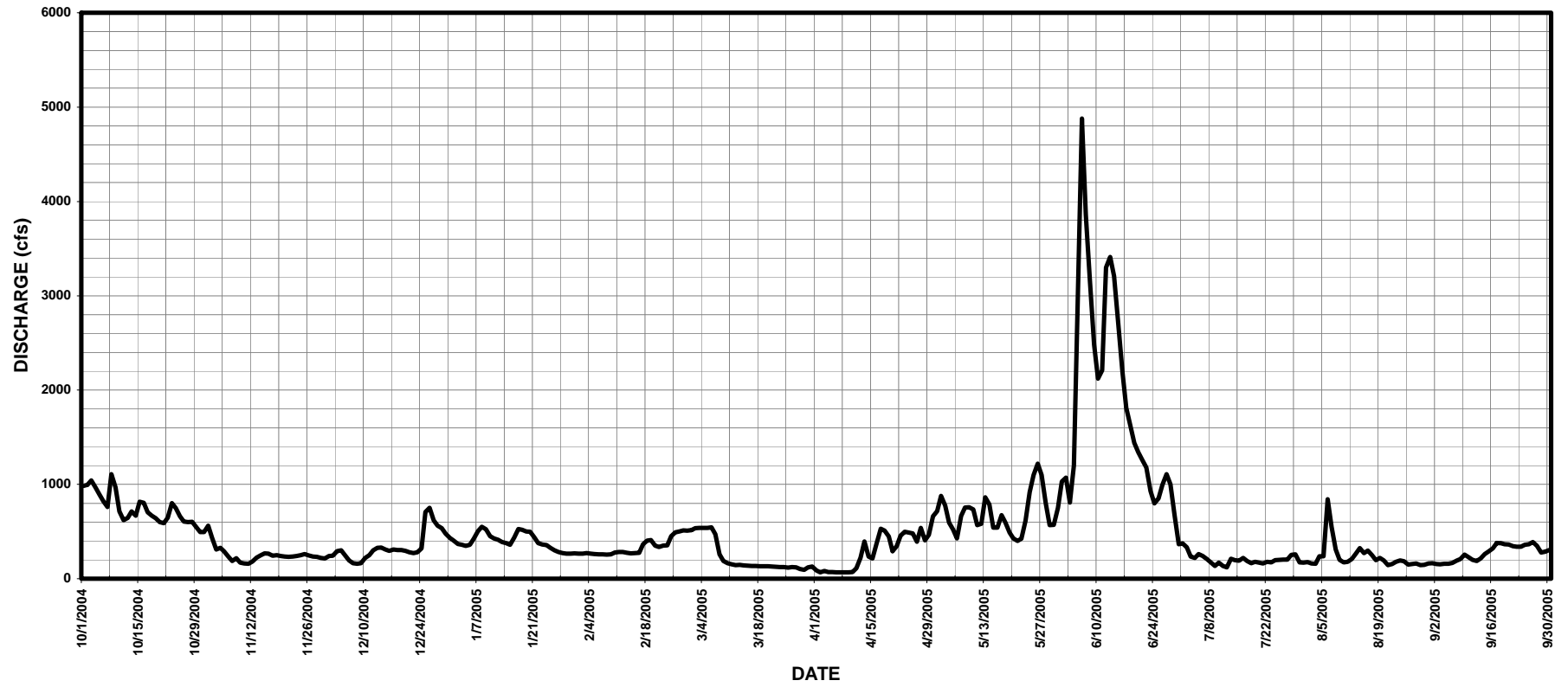
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	984	563	239	403	266	515	88	716	1030	374	175	165
2	996	434	244	369	265	534	68	877	1070	333	161	155
3	1040	310	292	359	271	538	81	776	808	233	157	152
4	968	329	302	349	265	538	69	593	1200	220	238	157
5	892	290	248	361	261	539	71	521	2960	259	237	157
6	821	233	194	425	258	545	68	427	4880	239	842	166
7	761	188	164	503	256	471	68	664	3860	207	550	191
8	1110	217	158	549	254	256	68	756	3150	173	311	209
9	968	170	164	524	257	186	68	759	2480	135	199	255
10	714	162	218	450	279	164	71	733	2120	170	174	227
11	620	158	250	427	283	153	111	568	2210	135	177	200
12	644	181	301	413	285	144	222	583	3300	120	208	187
13	714	221	329	390	276	145	396	864	3410	212	262	215
14	667	247	331	378	270	140	234	788	3210	197	326	261
15	817	268	310	361	272	137	215	541	2710	191	272	291
16	805	266	296	435	276	135	373	542	2200	220	297	323
17	706	243	310	527	367	136	529	672	1810	188	250	377
18	666	250	305	519	403	133	510	595	1620	165	196	376
19	642	240	304	499	410	132	449	490	1440	177	220	366
20	599	234	296	498	351	133	292	426	1340	170	192	362
21	588	232	281	438	337	129	346	400	1260	160	142	345
22	646	234	272	378	352	125	455	425	1180	177	155	338
23	801	240	281	364	353	124	496	614	929	174	177	338
24	749	249	321	358	451	124	490	920	800	195	192	359
25	662	260	707	328	492	116	479	1100	850	200	184	367
26	607	246	752	302	501	122	393	1220	994	201	148	389
27	600	234	618	283	513	121	539	1100	1110	202	155	348
28	603	232	561	271	509	101	406	798	1000	253	161	278
29	549	220	536	266	---	93	464	567	671	258	142	287
30	495	215	476	266	---	119	662	570	366	173	145	305
31	493	---	433	269	---	128	---	752	---	169	161	---
TOTAL	22927	7566	10493	12262	9333	6976	8781	21357	55968	6280	7206	8146
MEAN	740	252	338	396	333	225	293	689	1866	203	232	272
AC-FT	45480	15010	20810	24320	18510	13840	17420	42360	111000	12460	14290	16160
MAX	1110	563	752	549	513	545	662	1220	4880	374	842	389
MIN	493	158	158	266	254	93	68	400	366	120	142	152

WTR YR 2005 TOTAL 177295 MEAN 486 MAX 4880 MIN 68 AC-FT 351700

MAX DISCH: 5140 CFS AT 13:15 ON Jun. 6, 2005 GH 6.77 FT. SHIFT -0.44 FT.
MAX GH: 6.77 FT. AT 13:15 ON Jun. 6, 2005

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

06758500 SOUTH PLATTE RIVER NEAR WELDONA CO
WY2005 HYDROGRAPH



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.--16,623 mi².

GAGE.--Stevens A-35 type graphic water stage recorder, satellite monitoring Sutron 8210 DCP and shaft encoder and stilling well. Gage is referenced with an electric tape and there is a supplemental outside wire weight. The DCP is equipped with a speech modem.

REMARKS.--The primary record is fifteen-minute data taken from satellite monitoring with chart back up. The record is complete, reliable, and good, except for days when the inlets were partially plugged, which were fair to poor. These days are: December 20, 2004; January 23-24, February 22, March 8-9, April 25, May 1-2, 21, July 29, August 6, and September 7-8 and 12-14, 2005. Efforts were taken this year with additional personnel to aid in maintaining the integrity and accuracy of the gage-height record. However, the number of days with plugged inlets continues to be a problem. The pump continues to help, as the water commissioners are able to assist in keeping the inlets flushed. Station maintained and record developed by Russell Stroud.

RATING TABLE.--PLABALCO03 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

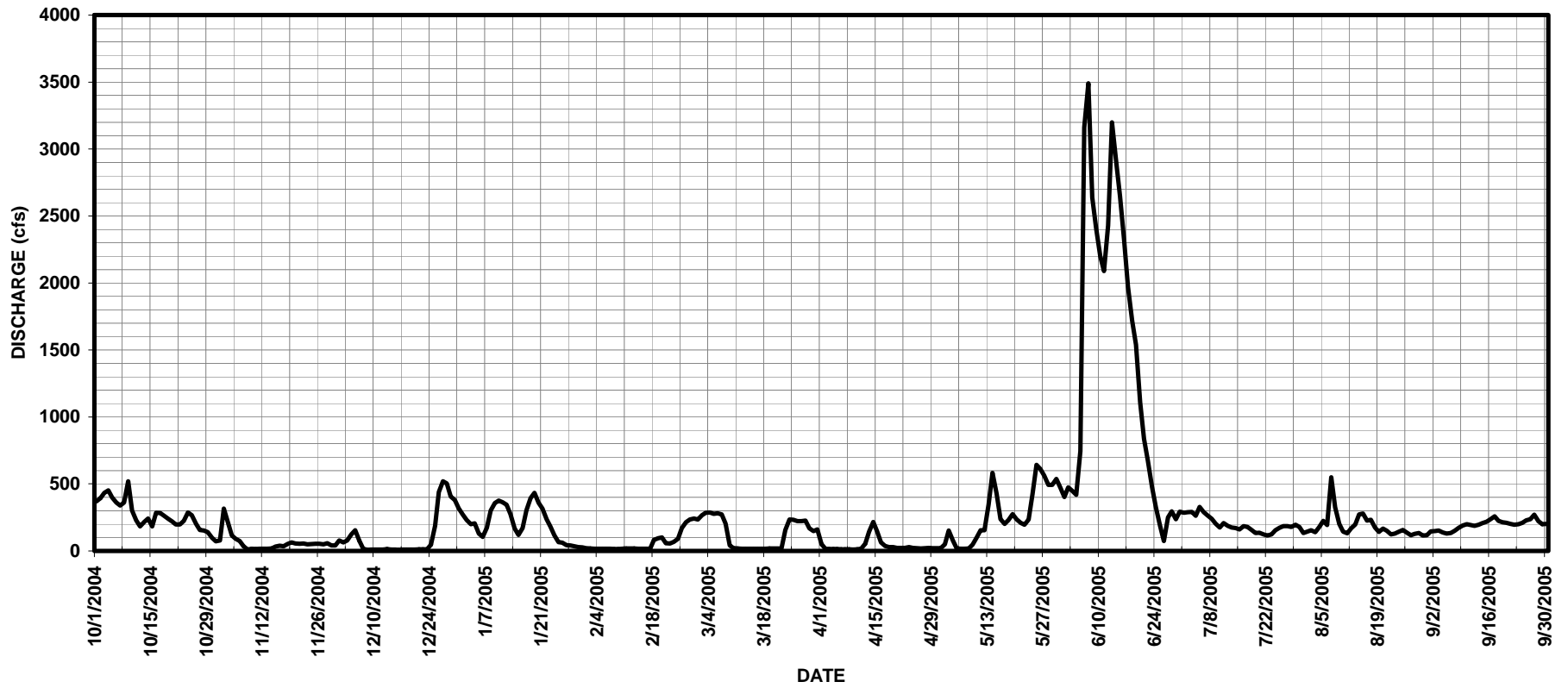
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	369	79	78	271	21	234	52	20	402	286	144	146
2	395	316	64	229	18	266	16	49	474	289	154	147
3	433	212	77	199	16	285	15	151	447	291	139	152
4	452	115	124	205	17	288	14	78	419	262	176	137
5	399	91	154	130	16	278	14	18	746	329	224	129
6	362	73	76	105	16	281	13	16	3160	289	193	133
7	338	35	17	173	16	272	13	16	3490	265	551	150
8	361	11	9.2	301	15	203	12	18	2640	240	326	173
9	520	17	10	357	15	42	11	48	2410	203	201	189
10	301	15	10	375	16	20	13	101	2200	175	144	199
11	227	17	9.4	363	18	18	17	154	2090	208	131	192
12	183	17	10	345	19	17	53	154	2430	186	169	186
13	216	17	14	275	18	17	143	347	3200	174	198	194
14	242	18	10	169	17	17	216	582	2910	171	272	208
15	182	32	10	120	16	16	146	426	2650	160	280	218
16	286	38	9.2	171	16	16	64	239	2320	185	225	237
17	284	34	9.7	303	17	17	37	201	1970	178	232	258
18	263	51	9.9	394	83	17	28	230	1720	157	175	223
19	240	63	10	434	94	18	28	275	1540	133	142	213
20	219	56	11	360	101	19	23	237	1110	136	167	209
21	197	54	12	316	58	19	22	209	838	123	150	201
22	197	56	13	235	56	19	23	195	673	115	124	195
23	223	50	13	181	68	155	28	233	479	123	130	200
24	287	51	48	118	91	234	23	423	327	153	144	209
25	267	54	186	66	170	232	20	643	189	173	156	227
26	204	54	440	61	213	221	18	612	74	185	136	237
27	155	50	519	43	233	221	20	562	251	185	117	270
28	151	58	503	41	242	226	22	493	295	178	128	221
29	140	42	407	34	---	169	20	492	235	195	134	199
30	99	42	379	28	---	147	20	537	293	178	114	201
31	71	---	319	26	---	161	---	475	---	133	118	---
TOTAL	8263	1818	3561.4	6428	1696	4145	1144	8234	41982	6058	5694	5853
MEAN	267	61	115	207	61	134	38	266	1399	195	184	195
AC-FT	16390	3610	7060	12750	3360	8220	2270	16330	83270	12020	11290	11610
MAX	520	316	519	434	242	288	216	643	3490	329	551	270
MIN	71	11	9.2	26	15	16	11	16	74	115	114	129

WTR YR 2005 TOTAL 94876.4 MEAN 260 MAX 3490 MIN 9.2 AC-FT 188200

MAX DISCH: 4030 CFS AT 02:30 ON Jun. 7, 2005 GH 6.61 FT. SHIFT -1.4 FT.
MAX GH: 6.61 FT. AT 02:30 ON Jun. 7, 2005

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

06759910 SOUTH PLATTE RIVER AT BALZAC CO
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

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.--23,821 mi². 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.--Satellite monitoring DCP and connected to a Sutron Accubbler. A wire weight gage on the bridge is used to reference the bubbler. The accubbler was moved this summer from the concrete shelter on the bridge abutment out onto the bridge next to the shaft encoder in the bridge well. Datum of gage is 3,448.51 ft. above National Geodetic Vertical Datum of 1929.

REMARKS.--The primary record is the hourly satellite monitoring data. The record is complete and reliable except for the following periods: October 1-December 15, 2004, no record but channel was dry; Dec 16-30, 2004, no record, DCP was not installed (the DCP had been removed earlier in 2004 for bridge construction, and the channel had remained dry. The DCP was reinstalled on December 30, 2004 after it was observed that sewer line construction by the town of Julesburg (begun December 16) had forced water into Channel 2). February 17-April 6 and June 30-July 19, 2005, the GH was not considered representative of flow due to a lack of defined point when zero flow occurred and the gage began recording groundwater levels; July 19 -September 30, 2005, zero flow (GH recording groundwater and ponded water). The record is good except for the following periods, which are estimated and poor: December 16-30; February 17-April 6; June 30-July 19. This record is added to the records from channels 1 and 4 to form the record for the South Platte River at Julesburg, Combined flow. Station maintained and record developed by Russell Stroud.

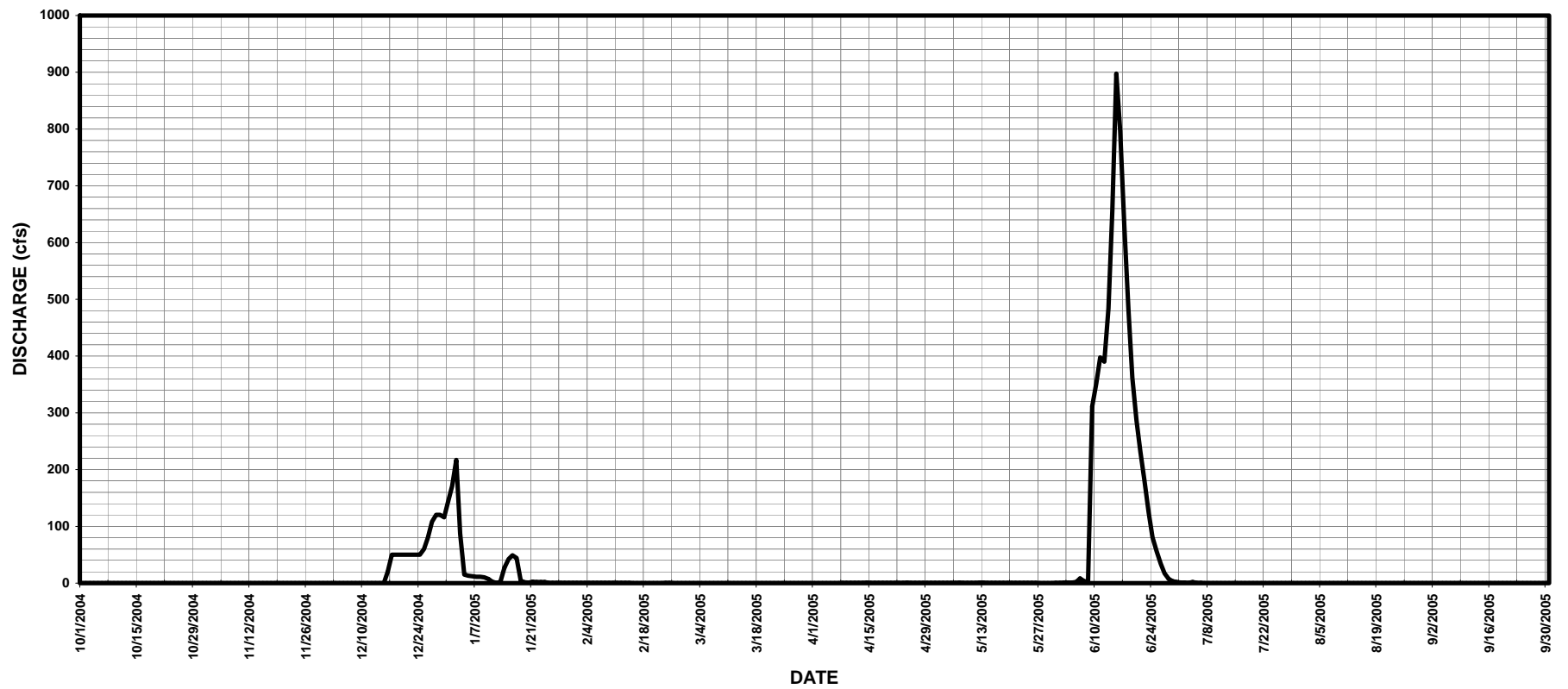
RATING TABLE.--PLAJURCO19 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	171	.51	.17	0	.64	.5	1.2	0	0
2	0	0	0	217	.49	.16	.01	.63	.84	.95	0	0
3	0	0	0	87	.44	.14	.02	.65	.94	.48	0	0
4	0	0	0	15	.45	.11	.06	.68	1.2	1.9	0	0
5	0	0	0	13	.44	.09	.04	.68	1.8	.72	0	0
6	0	0	0	12	.35	.1	.13	.7	8.4	.33	0	0
7	0	0	0	11	.3	.03	.21	.81	3.6	.2	0	0
8	0	0	0	11	.27	.02	.38	.71	2.6	.12	0	0
9	0	0	0	10	.31	.07	.41	.7	311	.01	0	0
10	0	0	0	7.1	.34	.03	.47	.68	352	0	0	0
11	0	0	0	2.4	.36	.07	.55	.67	398	0	0	0
12	0	0	0	.33	.32	.05	.58	.73	390	0	0	0
13	0	0	0	2	.35	.06	.59	.75	484	0	0	0
14	0	0	0	27	.26	.04	.78	.69	656	0	0	0
15	0	0	0	42	.21	.04	.6	.7	898	0	0	0
16	0	0	20	49	.2	.04	.59	.72	796	0	0	0
17	0	0	50	44	.21	.03	.63	.69	629	0	0	0
18	0	0	50	4.3	.19	0	.59	.65	481	0	0	0
19	0	0	50	1.4	.2	0	.59	.64	362	0	0	0
20	0	0	50	1.1	.22	0	.53	.66	287	0	0	0
21	0	0	50	2.2	.2	0	.68	.58	232	0	0	0
22	0	0	50	2	.14	0	.69	.49	180	0	0	0
23	0	0	50	1.9	.25	0	.69	.43	125	0	0	0
24	0	0	50	1.7	.25	0	.79	.38	81	0	0	0
25	0	0	60	.66	.23	0	.68	.31	56	0	0	0
26	0	0	80	.61	.21	0	.65	.26	34	0	0	0
27	0	0	108	.57	.17	0	.62	.22	17	0	0	0
28	0	0	120	.52	.15	0	.62	.18	7.4	0	0	0
29	0	0	120	.51	---	0	.66	.16	3.3	0	0	0
30	0	0	116	.5	---	0	.65	.23	1.7	0	0	0
31	0	---	143	.51	---	0	---	.46	---	0	0	---
TOTAL	0	0	1167	739.31	8.02	1.25	14.49	17.48	6801.28	5.91	0	0
MEAN	0	0	37.6	23.8	.29	.04	.48	.56	227	.19	0	0
AC-FT	0	0	2310	1470	16	2.5	29	35	13490	12	0	0
MAX	0	0	143	217	.51	.17	.79	.81	898	1.9	0	0
MIN	0	0	0	.33	.14	0	0	.16	.5	0	0	0

WTR YR 2005 TOTAL 8754.74 MEAN 24 MAX 898 MIN 0 AC-FT 17370
 MAX DISCH: 945 CFS AT 07:15 ON Jun. 15, 2005 GH 6.51 FT. SHFT -0.88 FT.
 MAX GH: 6.51 FT. AT 07:15 ON Jun. 15, 2005

06763990 SOUTH PLATTE RIVER AT JULESBURG CO CHANNEL NO 2
WY2005 HYDROGRAPH



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., on Highway 385 bridge south of Julesburg CO.

DRAINAGE AREA.--23,821 mi².

GAGE.--Satellite monitoring DCP (Sutron 8210) are connected to an AccuBubbler manometer. A wire weight gage on the bridge is used to reference the gage, with a supplemental staff located on the bridge pier closest to the shelter. A telephone & speech modem are installed so that the gage can be accessed by phone. (970-474-0948).

REMARKS.--The primary record is the hourly satellite monitoring data. The record is complete and reliable except for the following periods: November 29-30, December 1-4, 7-8, 14, 26, 2004; January 3-10, 12, 13, 15-19, 2005: Ice affect. For Jan. 3-10, 15-19 there was 100% ice affect. December 16, 2004-January 3, 2005: Cofferdam above gage for sewer line construction, GH record for seepage flow is good except for ice mentioned above (Dec. 16) and for December 27-29. December 27-29: Gage flow observed to be zero. Gage Height due to backwater from construction cofferdam below gage. July 6 (0900) to July 9 (0500): DCP problems. The bubbler's operation was fair this year with 16 calibration corrections. The record is good, except for the following periods: the following days have some degree of estimation and are rated fair: November 29-30, December 1-4, 7-8, 14, 26, 2004; January 12, 13, 2005. (Ice peaks). The following periods are estimated and poor: January 3-10, 15-19, 2005. (100% ice affect.) July 6-9, 2005 (DCP failure). This record is added to the records from channels 2 and 4 to form the record for the South Platte River at Julesburg, Combined flow. Station maintained and record developed by Russell Stroud.

RATING TABLE.--ONEJURCO05 USED FROM 01-OCT-2004 TO 30-SEP-2005

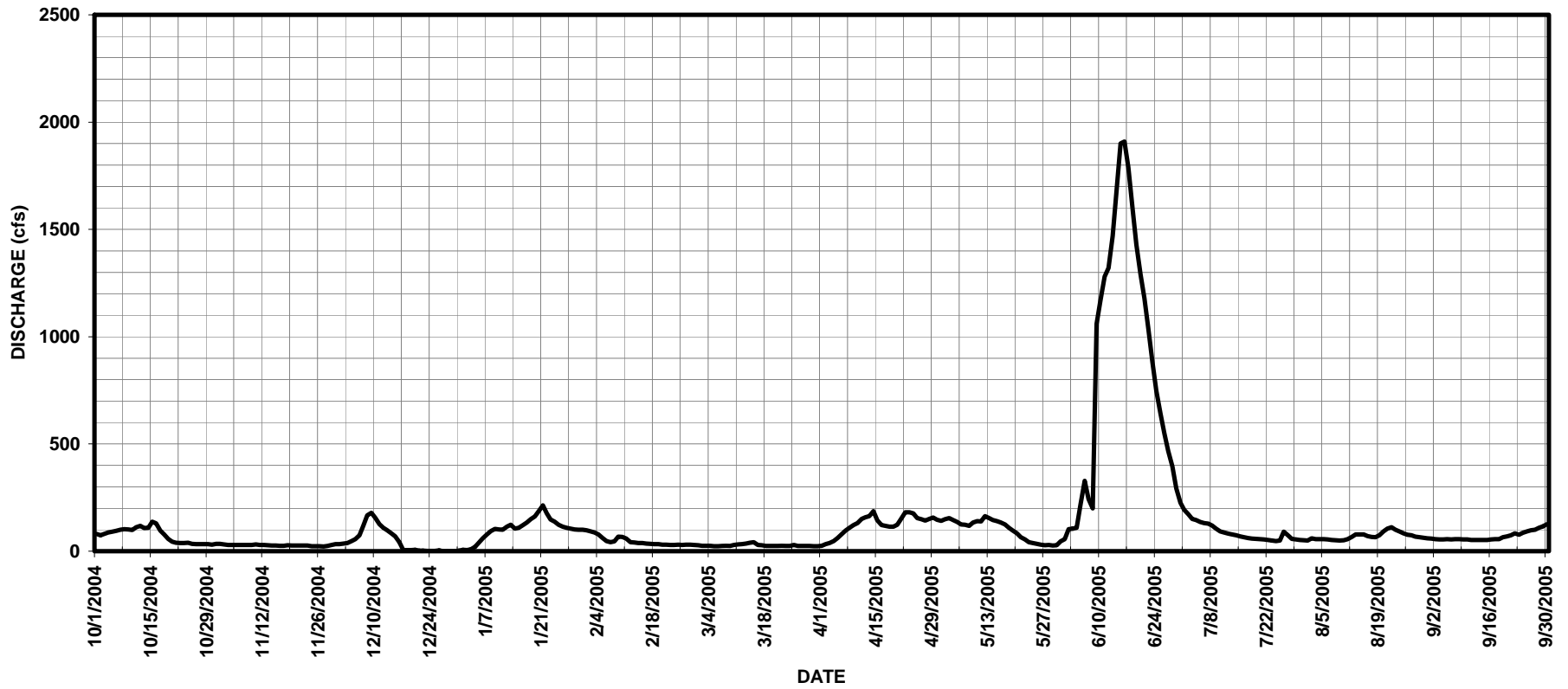
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	35	34	6.9	98	28	26	142	57	193	50	59
2	75	32	36	5.3	93	26	34	149	103	172	61	57
3	81	30	39	8.5	87	26	39	155	105	150	56	55
4	87	29	48	20	78	26	47	145	109	146	57	55
5	91	29	57	41	62	23	62	137	219	136	56	56
6	95	29	75	61	48	23	80	125	328	131	55	55
7	101	29	120	78	43	24	97	124	243	129	53	57
8	103	29	167	94	46	26	109	119	199	120	51	56
9	102	30	179	104	68	25	122	134	1060	106	50	55
10	99	32	156	102	67	29	131	140	1170	93	52	55
11	112	30	126	100	59	32	151	139	1280	88	56	53
12	118	29	110	114	43	33	158	164	1320	82	67	53
13	108	28	98	123	41	36	164	154	1470	78	78	53
14	109	27	83	105	38	40	186	145	1680	74	79	53
15	138	27	70	109	38	42	144	140	1900	69	79	53
16	130	26	42	121	36	29	122	134	1910	66	71	55
17	96	26	5.6	134	35	28	118	125	1790	62	67	56
18	78	28	5.4	149	33	25	114	110	1600	59	66	56
19	58	27	4.8	162	33	25	114	97	1430	58	74	65
20	45	27	5.8	186	31	25	123	84	1290	56	93	70
21	40	27	2.2	213	31	25	153	66	1180	55	105	74
22	39	27	2	177	30	26	182	55	1040	53	112	84
23	38	27	1.7	148	29	25	181	43	881	50	101	77
24	40	23	1.5	138	31	25	176	38	747	48	93	86
25	35	23	1.3	123	30	29	155	35	642	50	84	93
26	34	23	3.4	114	31	24	149	31	549	91	77	98
27	34	22	0	109	31	24	143	28	467	75	74	101
28	34	25	0	105	29	24	150	29	395	58	68	109
29	33	30	0	102	---	24	157	27	293	55	66	116
30	31	33	0	100	---	23	147	28	226	53	63	126
31	35	---	2.8	101	---	23	---	46	---	51	60	---
TOTAL	2300	839	1476.5	3253.7	1319	843	3734	3088	25683	2707	2174	2091
MEAN	74	28	47.6	105	47	27	124	100	856	87	70	70
AC-FT	4560	1660	2930	6450	2620	1670	7410	6130	50940	5370	4310	4150
MAX	138	35	179	213	98	42	186	164	1910	193	112	126
MIN	31	22	0	5.3	29	23	26	27	57	48	50	53

WTR YR 2005 TOTAL 49508.2 MEAN 136 MAX 1910 MIN 0 AC-FT 98200

MAX DISCH: 1950 CFS AT 03:00 ON Jun. 16, 2005 GH 7.41 FT. SHIFT -0.10 FT.
MAX GH: 7.43 FT. AT 09:00 ON Jun. 15, 2005

06763990 SOUTH PLATTE RIVER AT JULESBURG CO CHANNEL NO 1
WY2005 HYDROGRAPH



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.--23,821 mi².

GAGE.--Graphic water-stage recorder and satellite monitoring DCP in a metal pipe shelter and well. Supplemental outside chain gage. DCP was updated to an hourly reporting this year. Station description is in the South Platte at Julesburg-combined flow-record envelope.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart backup. The record is unreliable for many periods. In summary: October 1-13, good record; October 14-21, poor record due to measurement conditions; October 22-December 16, poor record; GH's below zero levels, flows not measurable, estimates from observations, except for a few hours of good record on Nov. 10; December 17-February 27, good record; February 28-March 3, fair record; March 4-13, good record; March 14-June 8, fair record; June 9-July 9, good record; July 10-25, fair record; July 26-28, poor record, large flush correction, flows estimated from partial record on 7/28 and Channel 1 trends; July 29-August 10, fair record; August 11-September 30: poor record, computed flows used but based on poor GH's. 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 Russell Stroud.

RATING TABLE.--PLAJULCO22 USED FROM 01-OCT-2004 TO 30-SEP-2005

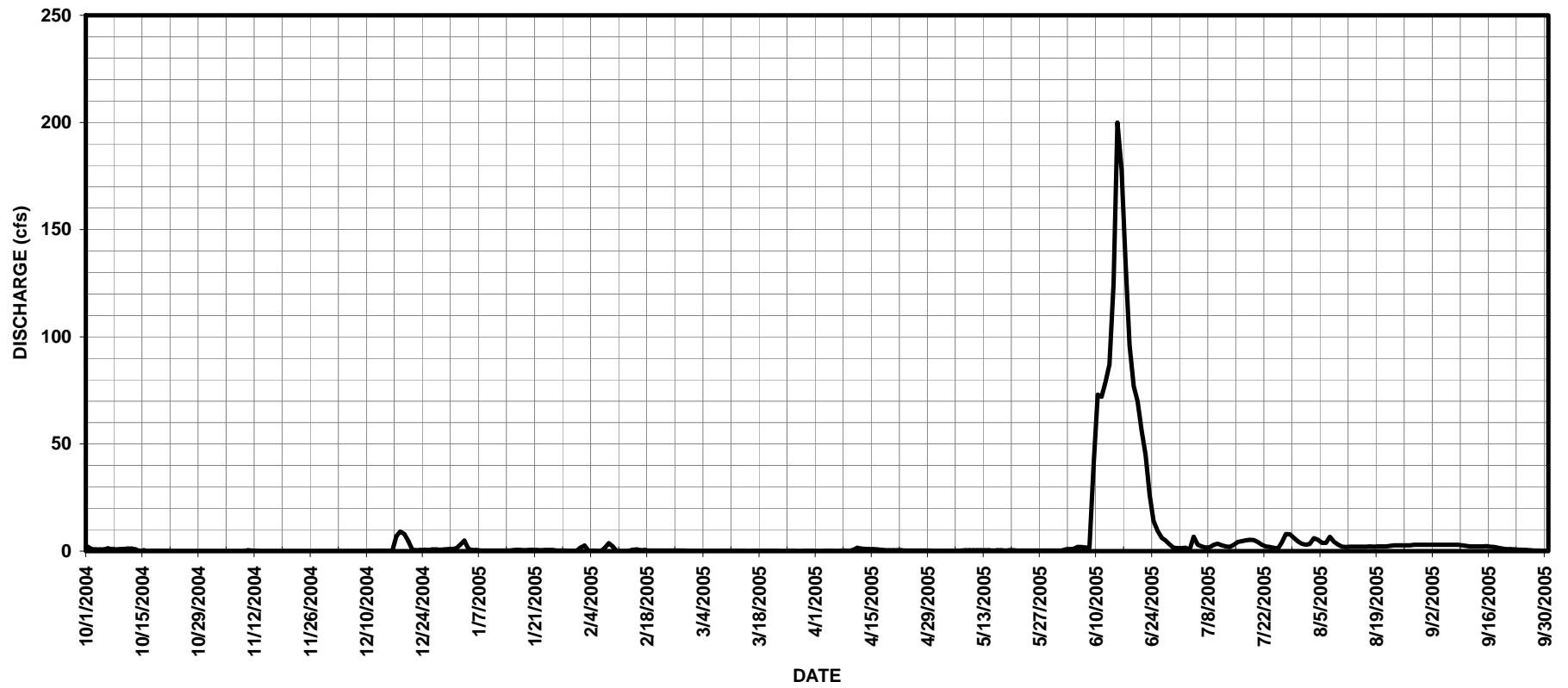
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	.05	.05	1.3	1.7	.14	.06	.17	.27	1.4	3	3
2	.88	.05	.05	3.1	2.6	.11	.06	.17	.71	1.5	3.3	3
3	.83	.05	.05	4.9	.18	.13	.08	.17	.86	.56	6	3
4	.82	.05	.05	1	.31	.14	.09	.17	.97	6.6	5.3	3
5	.8	.05	.05	.54	.16	.13	.08	.16	1.9	2.9	3.9	3
6	1.3	.05	.05	.49	.05	.14	.06	.17	1.9	2.2	3.8	3
7	.93	.05	.05	.26	1.4	.14	.15	.31	1.7	1.7	6.6	3
8	.83	.05	.05	.23	3.7	.15	.26	.39	1.7	1.8	4.4	3
9	.89	.05	.05	.2	2.2	.15	.19	.39	40	3	3.1	2.7
10	.98	.36	.08	.21	0	.12	.45	.39	73	3.4	2	2.4
11	1.1	.2	.08	.2	0	.1	1.5	.38	72	2.7	1.9	2.2
12	1.2	.1	.08	.21	.01	.1	1.2	.39	79	2.2	2.1	2.2
13	.77	.05	.12	.2	.15	.13	.97	.41	87	1.9	2.1	2.2
14	.05	.05	.16	.22	.66	.09	.88	.34	125	2.9	2.1	2.2
15	.42	.05	.12	.39	.77	.05	.87	.31	200	4.2	2.1	2.3
16	.06	.05	.05	.64	.34	.09	.74	.37	178	4.6	2.1	2.1
17	.07	.05	6.9	.48	.53	.12	.58	.36	136	5	2.2	1.9
18	.1	.05	9.1	.44	.25	.1	.43	.31	96	5.3	2.1	1.5
19	.08	.05	8	.52	.27	.09	.39	.39	77	5.1	2.2	1.2
20	.07	.05	4.8	.59	.26	.07	.39	.34	70	4.2	2.2	.95
21	.09	.05	.6	.48	.27	.09	.38	.3	56	3	2.2	.84
22	.05	.05	.43	.34	.26	.07	.33	.31	45	2.2	2.4	.79
23	.05	.05	.48	.53	.24	.06	.31	.3	26	1.9	2.7	.69
24	.05	.05	.67	.55	.24	.06	.3	.3	14	1.6	2.7	.67
25	.05	.05	.57	.5	.22	.08	.28	.29	9.4	1.2	2.7	.56
26	.05	.05	.78	.26	.22	.07	.26	.28	6.1	4	2.7	.43
27	.05	.05	.71	.23	.21	.06	.24	.27	4.9	8	2.7	.3
28	.05	.05	.65	.23	.16	.06	.22	.25	3.1	7.8	2.9	.24
29	.05	.05	.71	.15	---	.07	.2	.26	1.6	6.1	3	.17
30	.05	.05	.86	.07	---	.09	.19	.26	1.4	4.5	3	.11
31	.05	---	1	.15	---	.07	---	.25	---	3.5	3	---
TOTAL	14.87	2.01	37.4	19.61	17.36	3.07	12.14	9.16	1410.51	106.96	92.5	52.65
MEAN	.48	.07	1.21	.63	.62	.1	.4	.3	47	3.45	3	1.76
AC-FT	29	4	74	39	34	6.1	24	18	2800	212	183	104
MAX	2.1	.36	9.1	4.9	3.7	.15	1.5	.41	200	8	6.6	3
MIN	.05	.05	.05	.07	0	.05	.06	.16	.27	.56	1.9	.11

WTR YR 2005 TOTAL 1778.24 MEAN 4.87 MAX 200 MIN 0 AC-FT 3530

MAX DISCH: 202 CFS AT 04:15 ON Jun. 15, 2005 GH 5.28 FT. SHIFT -2.36 FT.
MAX GH: 5.28 FT. AT 04:15 ON Jun. 15, 2005

06763980 SOUTH PLATTE RIVER AT JULESBURG CO CHANNEL NO 4 (INCLUDES FLOW FROM CHAN. NO 3)
WY2005 HYDROGRAPH



PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)

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

DRAINAGE AREA.--23,821 mi².

GAGE.-- Julesburg experienced flows similar to the past few years and could be considered as drought conditions. A majority (~98%) of the total flow came from Channel One. Channel Two was dry for the majority of the year with two exceptions; channel construction (December 16- January 3) and a sustained high water event caused by a Denver storm (June 9 - June 30). Channel Four continued to record small flows, which consisted mainly of seepage, irrigation returns and local storm runoff from the town of Julesburg. Many daily flows at Channel Four were less than 1.0 cfs, and after rounding oftentimes did not contribute to the total combined flow for the day (October-December 16, 2004; December 21-31, 2004; January 4-February 6, 2005; February 10-June 4, 2005; and September 20-30, 2005). However, Channel Four did carry higher flows during the June storm event, as did Channel Three. Flows from Channel Three were added to Channel Four to complete the Channel Four (PLAJULCO) record.

REMARKS.--Each channel had estimated periods this year. If an individual channels estimation contributed a significant percentage to the total flow for a particular day (>10% of mean daily Q), then the combined flow is considered estimated for that day. The record is good, except for November 29 - December 4; December 14, 15; January 12, 13; July 16-20; and July 29- August 8, which are fair; and estimated poor periods: December 16-30; July 6-9; July 26-29. The mostly good rating of the record was primarily due to the majority of flow occurring in Channel One, which was remarkably stable.

RATING TABLE.--SOUTH PLATTE RIVER AT JULESBURG (COMBINED)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

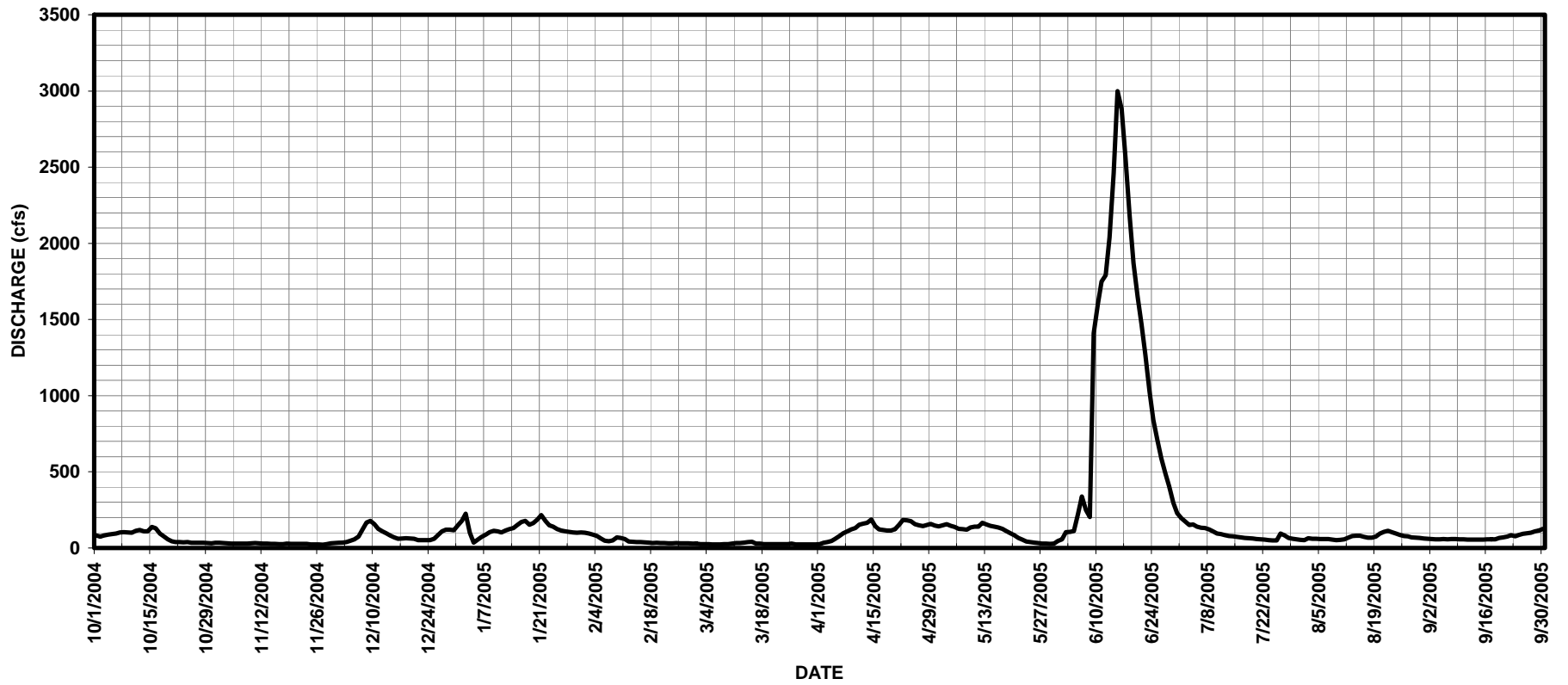
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	35	34	179	100	28	26	143	58	196	53	62
2	76	32	36	225	96	26	34	150	105	174	64	60
3	82	30	39	100	88	26	39	156	107	151	62	58
4	88	29	48	36	79	26	47	146	111	155	62	58
5	92	29	57	55	63	23	62	138	223	140	60	59
6	96	29	75	74	48	23	80	126	338	134	59	58
7	102	29	120	89	45	24	97	125	248	131	60	60
8	104	29	167	105	50	26	110	120	203	122	55	59
9	103	30	179	114	71	25	123	135	1410	109	53	58
10	100	32	156	109	67	29	132	141	1600	96	54	57
11	113	30	126	103	59	32	153	140	1750	91	58	55
12	119	29	110	115	43	33	160	165	1790	84	69	55
13	109	28	98	125	42	36	166	155	2040	80	80	55
14	109	27	83	132	39	40	188	146	2460	77	81	55
15	138	27	70	151	39	42	145	141	3000	73	81	55
16	130	26	62	171	37	29	123	135	2880	71	73	57
17	96	26	63	178	36	28	119	126	2560	67	69	58
18	78	28	65	154	33	25	115	111	2180	64	68	58
19	58	27	63	164	34	25	115	98	1870	63	76	66
20	45	27	61	188	32	25	124	85	1650	60	95	71
21	40	27	53	216	32	25	154	67	1470	58	107	75
22	39	27	52	179	30	26	183	56	1270	55	114	85
23	38	27	52	150	30	25	182	44	1030	52	104	78
24	40	23	52	140	32	25	177	39	842	50	96	87
25	35	23	62	124	31	29	156	36	707	51	87	94
26	34	23	84	115	31	24	150	32	589	95	80	98
27	34	22	109	110	31	24	144	29	489	83	77	101
28	34	25	121	106	29	24	151	29	406	66	71	109
29	33	30	121	103	---	24	158	27	298	61	69	116
30	31	33	117	101	---	23	148	29	229	58	66	126
31	35	---	147	102	---	23	---	47	---	54	63	---
TOTAL	2314	839	2682	4013	1347	843	3761	3117	33913	2821	2266	2143
MEAN	75	28	87	129	48	27	125	101	1130	91	73	71
AC-FT	4590	1660	5320	7960	2670	1670	7460	6180	67270	5600	4490	4250
MAX	138	35	179	225	100	42	188	165	3000	196	114	126
MIN	31	22	34	36	29	23	26	27	58	50	53	55

WTR YR 2005 TOTAL 60059 MEAN 165 MAX 3000 MIN 22 AC-FT 119100

MAX DISCH: 3067 CFS AT 08:00 ON Jun. 15, 2005
MAX GH: 7.43 FT. AT 08:00 ON Jun. 15, 2005 as reference to Julesburg Channel One (ONEJURCO)

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

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)
WY2005 HYDROGRAPH



PLATTE RIVER BASIN
TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO

TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO, W. Y. 2005

WATER YEAR 2005 (October 2004 - September 2005)

FROM THE COLORADO RIVER BASIN													
NAME	2004			2005									TOTAL
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Adams Tunnel*	399	5482	15310	15798	12174	12146	2249	4565	554	2748	3895	6814	82,133
Berthoud Pass Ditch	0	0	0	0	0	0	0	0	211	162	31	0	404
Boreas Pass Ditch	0	0	0	0	0	0	0	4.22	39.4	23.2	0.18	0	67.0
Grand River Ditch	105	0	0	0	0	0	0	1729	4364	3484	821	194	10,697
A.P. Gumlick Tunnel**													0
Moffat Tunnel	2480	1071	479	296	209	203	534	7202	4533	6391	2856	2117	28,371
Roberts Tunnel	2083	2520	2022	1862	1693	2480	420	0	0	7938	4241	4604	29,863
Straight Creek Tunnel	11	11	11	11	10	11	11	17	45	23	12	10	182
Vidler Tunnel	0	0	0	0	0	0	0	63	143	49	0	6	261
TOTALS FROM THE COLORADO RIVER BASIN (DAY-CFS)												151,978	
TOTALS FROM THE COLORADO RIVER BASIN (ACRE-FT)												301,448	

*West slope water only **Direct release to Clear Creek only. All other flow included in Moffat Tunnel

FROM THE LARAMIE RIVER BASIN													
NAME	2004			2005									TOTAL
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Bob Creek Ditch	0	0	0	0	0	0	0	112	76.2	0	0	0	188
Columbine Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0
Deadman Ditch	0	0	0	0	0	0	6	350	256	39	0	0	651
Laramie-Poudre Tunnel	0	0	0	0	0	0	0	2558	2538	3874	211	0	9,181
Skyline Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS FOR THE LARAMIE RIVER (DAY-CFS)												10,020	
TOTALS FOR THE LARAMIE RIVER (Acre Feet, 19875 AF per CALENDAR Year Allowed Under Laramie River Agreement)												19,875	
NAME	2004			2005									TOTAL
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Wilson Supply Ditch (Gage)	0	0	0	0	0	0	0	1080	673	58	0	0	1,811
minus Deadman Ditch	0	0	0	0	0	0	6	350	256	39	0	0	651
= SAND CR. DIVERSION	0	0	0	0	0	0	0	730	418	19	0	0	1,160
TOTALS FROM THE LARAMIE RIVER BASIN (DAY-CFS)												11,180	
TOTALS FROM THE LARAMIE RIVER BASIN (ACRE-FT)												22,176	

FROM THE NORTH PLATTE RIVER BASIN													
NAME	2004			2005									TOTAL
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Cameron Pass Ditch	0	0	0	0	0	0	0	0	76	14	0	0	89
Michigan Ditch	186	80	38	30	25	24	35	467	981	742	293	116	3,017
TOTALS FROM THE NORTH PLATTE RIVER BASIN (DAY-CFS)												3,106	
TOTALS FROM THE NORTH PLATTE RIVER BASIN (ACRE-FT)												6,160	

SPECIAL CATEGORIES													
NAME	2004			2005									TOTAL
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Hoosier Pass Tunnel *	0	0	0	0	0	0	50	838	1857	1356	602	357	5,060
Aurora Homestake Pipeline **	1640	0	0	2240	2064	1997	2258	2337	2266	2215	2347	2223	21,587

* Diverts into Division One, but entire flow is piped to the City of Colorado Springs in Division 2

** Contains a Mixture of Colorado River Water Diverted to the Arkansas Basin and Water Transferred from the Arkansas River

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

AURORA HOMESTAKE PIPELINE ABOVE SPINNEY MOUNTAIN RESERVOIR

LOCATION.--Lat 38°56'38", long 105°39'15", in Park County above Spinney Mountain Reservoir.

GAGE.--Two valves with venturi meters off a pipeline, equipped with satellite monitoring. The DCP, meters, and facilities are owned and maintained by the City of Aurora. The primary discharge valve is referred to as the "Spinney Tap". The other valve is known as the "Surge Valve." -this valve is the Colorado Springs pipeline pressure release and formerly discharged on to the mountainside. Improvements made in 2003 incorporated the surge release into the Spinney pipeline.

REMARKS.--The primary record is hourly discharges taken from satellite monitoring. Where DCP data were not available, values from the Aurora's SCADA flow monitoring system were used. The record is the combined total of two metered pipelines. No measurements were made this year. The record is complete and reliable. Reported daily means were compared with daily means computed from the same data by the City of Aurora, and found to be nearly identical, except for flows on startup days and near zero flow days. Occasional days differed by 1 cfs in the two records due to rounding. The record must be regarded as poor until the meter is calibrated with discharge measurements. Record developed by Garver Brown.

RATING TABLE.--HOMSPCCO USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

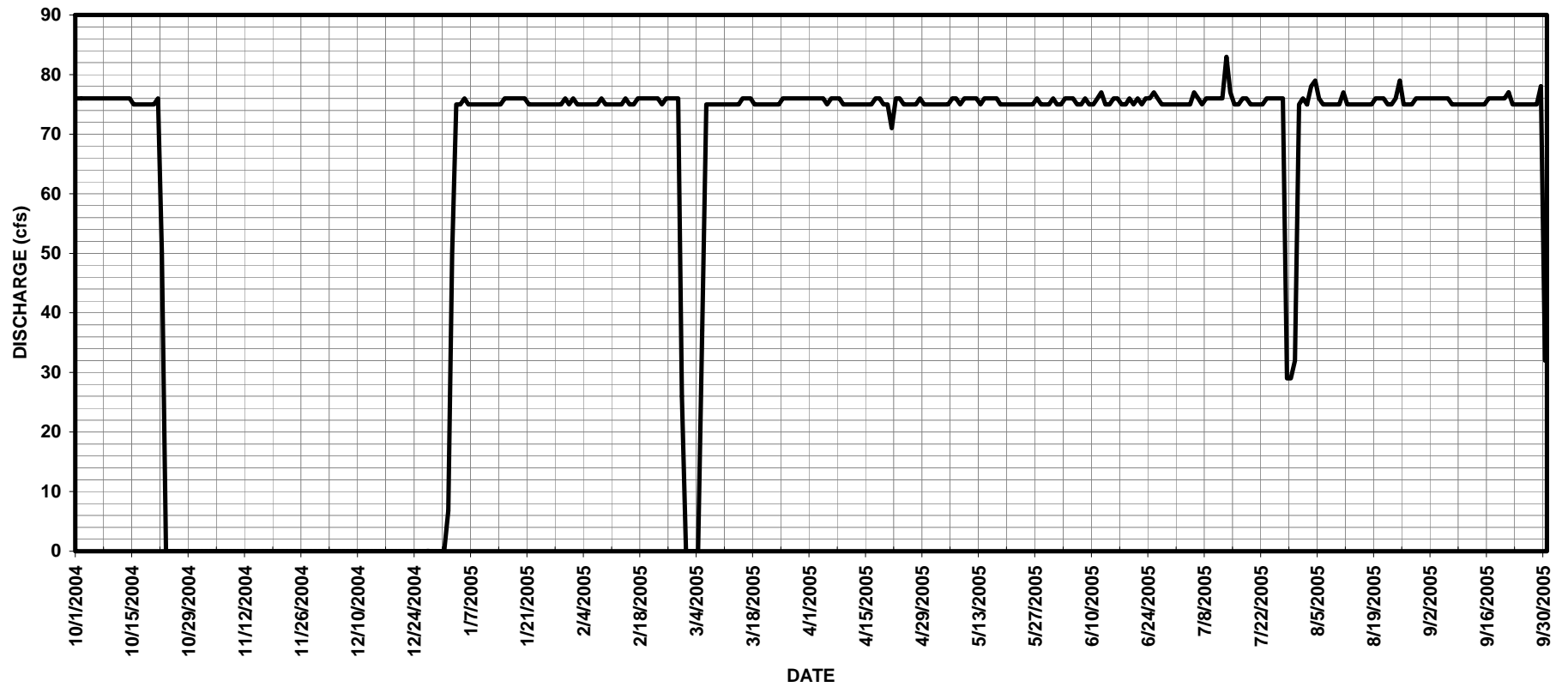
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	0	0	6.8	76	0	76	75	75	75	76	76
2	76	0	0	50	75	0	76	75	75	75	75	76
3	76	0	0	75	75	0	76	75	76	75	78	76
4	76	0	0	75	75	0	76	75	76	75	79	76
5	76	0	0	76	75	37	75	75	76	77	76	76
6	76	0	0	75	75	75	76	76	75	76	75	76
7	76	0	0	75	75	75	76	76	75	75	75	75
8	76	0	0	75	76	75	76	75	76	76	75	75
9	76	0	0	75	75	75	75	76	75	76	75	75
10	76	0	0	75	75	75	75	76	75	76	75	75
11	76	0	0	75	75	75	75	76	76	76	77	75
12	76	0	0	75	75	75	75	76	77	76	75	75
13	76	0	0	75	75	75	75	75	75	83	75	75
14	76	0	0	75	76	75	75	76	75	77	75	75
15	75	0	0	76	75	76	75	76	76	75	75	75
16	75	0	0	76	75	76	75	76	76	75	75	76
17	75	0	0	76	76	76	76	76	75	76	75	76
18	75	0	0	76	76	75	76	75	75	76	75	76
19	75	0	0	76	76	75	75	75	76	75	76	76
20	75	0	0	76	76	75	75	75	75	75	76	76
21	76	0	0	75	76	75	71	75	76	75	76	77
22	50	0	0	75	76	75	76	75	75	75	75	75
23	0	0	0	75	75	75	76	75	76	76	75	75
24	0	0	0	75	76	75	75	75	76	76	76	75
25	0	0	0	75	76	76	75	75	77	76	79	75
26	0	0	0	75	76	76	75	75	76	76	75	75
27	0	0	.06	75	76	76	75	76	75	76	75	75
28	0	0	0	75	26	76	76	75	75	29	75	75
29	0	0	0	75	---	76	75	75	75	29	76	78
30	0	0	0	76	---	76	75	75	75	32	76	32
31	0	---	0	75	---	76	---	76	---	75	76	---
TOTAL	1640	0	.06	2239.8	2064	1997	2258	2337	2266	2215	2347	2223
MEAN	52.9	0	0	72.3	74	64.4	75	75	76	72	76	74
AC-FT	3250	0	.1	4440	4090	3960	4480	4640	4490	4390	4660	4410
MAX	76	0	.06	76	76	76	76	76	77	83	79	78
MIN	0	0	0	6.8	26	0	71	75	75	29	75	32

WTR YR 2005 TOTAL 21586.86 MEAN 59.1 MAX 83 MIN 0 AC-FT 42820

MAX DISCH: 120 CFS AT 19:00 ON Jun.15, 2005 SHIFT 0 FT.

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

AURORA HOMESTAKE PIPELINE ABOVE SPINNEY MOUNTAIN RESERVOIR CO
WY2005 HYDROGRAPH



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.--Graphic water-stage recorder (weekly) and satellite monitoring (SatLink 2 high data rate DCP logger) at an 8-foot Parshall flume with a metal stilling well. Flume and equipment are housed inside the tunnel entrance. Facilities are owned and maintained by the City of Colorado Springs. Satellite equipment is owned and maintained by DWR.

REMARKS.--The record is developed from hourly gage heights from the satellite record, with chart back up. The record is complete and reliable. The record is good due to increased definition by measurements. The flow is controlled by numerous diversions into the tunnel inlet from the Blue River drainage. Station maintained and record developed by Garver Brown.

RATING TABLE.--STD08FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

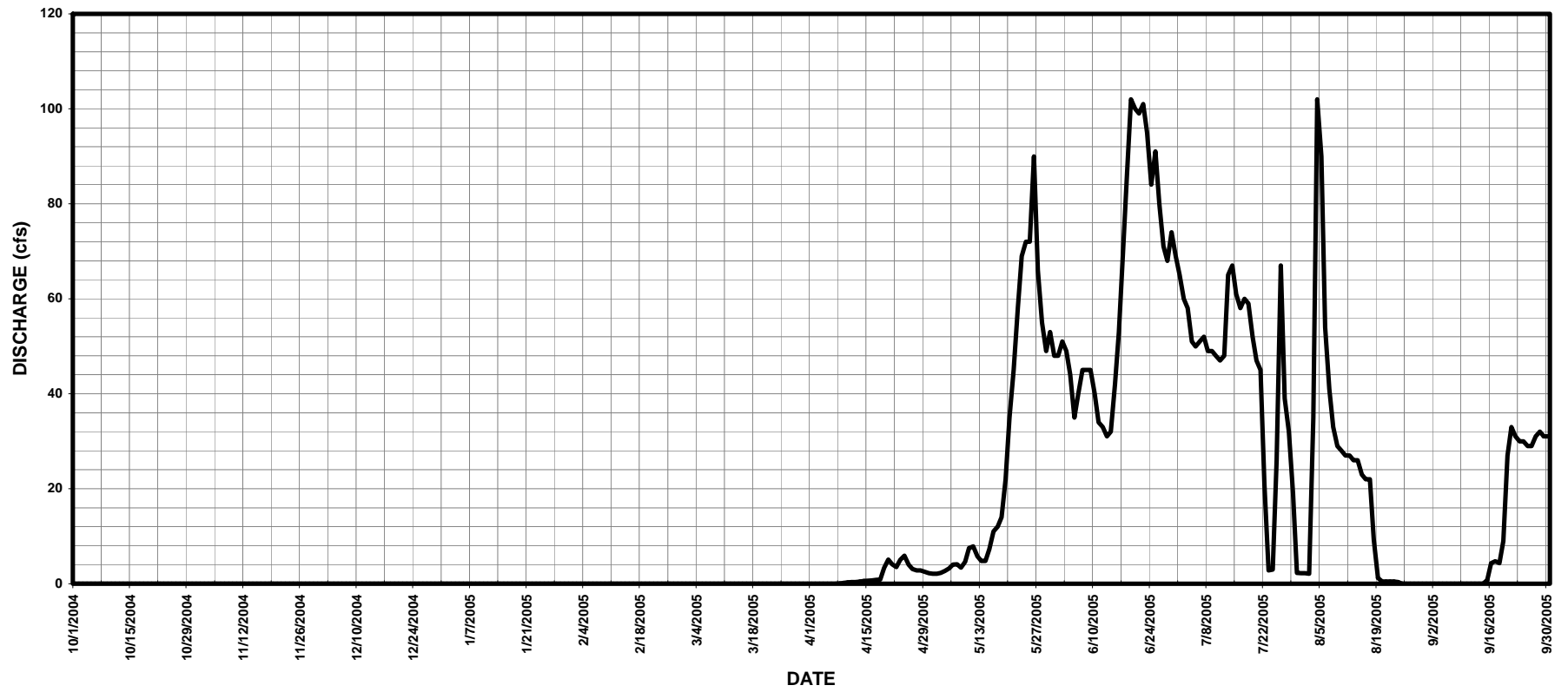
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	2.1	48	65	2.2	0
2	0	0	0	0	0	0	0	2.1	51	60	2.1	0
3	0	0	0	0	0	0	0	2.3	49	58	35	0
4	0	0	0	0	0	0	0	2.7	44	51	102	0
5	0	0	0	0	0	0	0	3.2	35	50	90	0
6	0	0	0	0	0	0	0	4	40	51	54	0
7	0	0	0	0	0	0	0	4.1	45	52	41	0
8	0	0	0	0	0	0	.04	3.4	45	49	33	0
9	0	0	0	0	0	0	.18	4.6	45	49	29	0
10	0	0	0	0	0	0	.29	7.5	40	48	28	0
11	0	0	0	0	0	0	.35	7.9	34	47	27	0
12	0	0	0	0	0	0	.37	5.8	33	48	27	0
13	0	0	0	0	0	0	.48	4.8	31	65	26	0
14	0	0	0	0	0	0	.61	4.8	32	67	26	0
15	0	0	0	0	0	0	.66	7.3	42	61	23	.77
16	0	0	0	0	0	0	.69	11	53	58	22	4.3
17	0	0	0	0	0	0	.8	12	70	60	22	4.7
18	0	0	0	0	0	0	.87	14	86	59	9.3	4.3
19	0	0	0	0	0	0	3.3	22	102	52	1.2	9
20	0	0	0	0	0	0	5.1	35	100	47	.45	27
21	0	0	0	0	0	0	4.1	45	99	45	.45	33
22	0	0	0	0	0	0	3.5	58	101	21	.45	31
23	0	0	0	0	0	0	5	69	95	2.8	.45	30
24	0	0	0	0	0	0	5.9	72	84	3	.35	30
25	0	0	0	0	0	0	4	72	91	26	0	29
26	0	0	0	0	0	0	3.1	90	80	67	0	29
27	0	0	0	0	0	0	2.8	66	71	39	0	31
28	0	0	0	0	0	0	2.8	55	68	32	0	32
29	0	0	0	0	---	0	2.5	49	74	19	0	31
30	0	0	0	0	---	0	2.2	53	69	2.3	0	31
31	0	---	0	0	---	0	---	48	---	2.2	0	---
TOTAL	0	0	0	0	0	0	49.64	837.6	1857	1356.3	601.95	357.07
MEAN	0	0	0	0	0	0	1.65	27	62	43.8	19.4	11.9
AC-FT	0	0	0	0	0	0	98	1660	3680	2690	1190	708
MAX	0	0	0	0	0	0	5.9	90	102	67	102	33
MIN	0	0	0	0	0	0	0	2.1	31	2.2	0	0

WTR YR 2005 TOTAL 5059.56 MEAN 13.9 MAX 102 MIN 0 AC-FT 10040

MAX DISCH: 133 CFS AT 22:00 ON Jun. 19, 2005 GH 2.42 FT. SHIFT 0.01 FT.
MAX GH: 2.42 FT. AT 22:00 ON Jun. 19, 2005

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

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA CO
WY2005 HYDROGRAPH



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.--A Sutron 8200 satellite monitoring DCP at an 18-inch Parshall flume with a metal stilling well. The ditch goes underground after collection, and the flume and equipment are housed inside a manhole. The flume is set into the concrete pipeline, approximately 14 ft. underground. Staff gage is used without tape/RP. The gage and equipment are owned by the City of Englewood. The DCP and ditch gates are operated by the water commissioner under a special contract arrangement with Englewood.

REMARKS.--The primary record is hourly satellite data with no chart as back up. From May 26 until August 1, satellite data was collected. The gage was visited 13 times with one correction of 0.10 to the satellite record on May 26, the first day of operations for the 2005 water year. record is good. The gage is seasonal and runs typically from May/June to August. The permanent nature of the flume installation suggests that some permanent level of shift is built into the flume. Record developed by Garver Brown.

RATING TABLE.--STD01HFTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	.99	1.6	.18	0
2	0	0	0	0	0	0	0	0	1	1.5	0	0
3	0	0	0	0	0	0	0	0	1	1.4	0	0
4	0	0	0	0	0	0	0	0	1	1.3	0	0
5	0	0	0	0	0	0	0	0	1	1.3	0	0
6	0	0	0	0	0	0	0	0	.98	1.2	0	0
7	0	0	0	0	0	0	0	0	.99	1.1	0	0
8	0	0	0	0	0	0	0	0	1.2	1.1	0	0
9	0	0	0	0	0	0	0	0	1.2	1	0	0
10	0	0	0	0	0	0	0	0	1.3	.94	0	0
11	0	0	0	0	0	0	0	0	1.2	.86	0	0
12	0	0	0	0	0	0	0	0	1.1	.81	0	0
13	0	0	0	0	0	0	0	0	1	.77	0	0
14	0	0	0	0	0	0	0	0	.92	.74	0	0
15	0	0	0	0	0	0	0	0	.89	.7	0	0
16	0	0	0	0	0	0	0	0	.91	.65	0	0
17	0	0	0	0	0	0	0	0	1	.61	0	0
18	0	0	0	0	0	0	0	0	1.3	.58	0	0
19	0	0	0	0	0	0	0	0	1.5	.52	0	0
20	0	0	0	0	0	0	0	0	1.6	.49	0	0
21	0	0	0	0	0	0	0	0	1.6	.46	0	0
22	0	0	0	0	0	0	0	0	1.7	.43	0	0
23	0	0	0	0	0	0	0	0	1.7	.42	0	0
24	0	0	0	0	0	0	0	0	1.8	.46	0	0
25	0	0	0	0	0	0	0	0	1.8	.42	0	0
26	0	0	0	0	0	0	0	.05	1.8	.37	0	0
27	0	0	0	0	0	0	0	.16	1.8	.34	0	0
28	0	0	0	0	0	0	0	.82	1.8	.31	0	0
29	0	0	0	0	---	0	0	1.1	1.7	.29	0	0
30	0	0	0	0	---	0	0	1.1	1.6	.28	0	0
31	0	---	0	0	---	0	---	.99	---	.27	0	---
TOTAL	0	0	0	0	0	0	0	4.22	39.38	23.22	.18	0
MEAN	0	0	0	0	0	0	0	.14	1.31	.75	.01	0
AC-FT	0	0	0	0	0	0	0	8.4	78	46	.4	0
MAX	0	0	0	0	0	0	0	1.1	1.8	1.6	.18	0
MIN	0	0	0	0	0	0	0	0	.89	.27	0	0

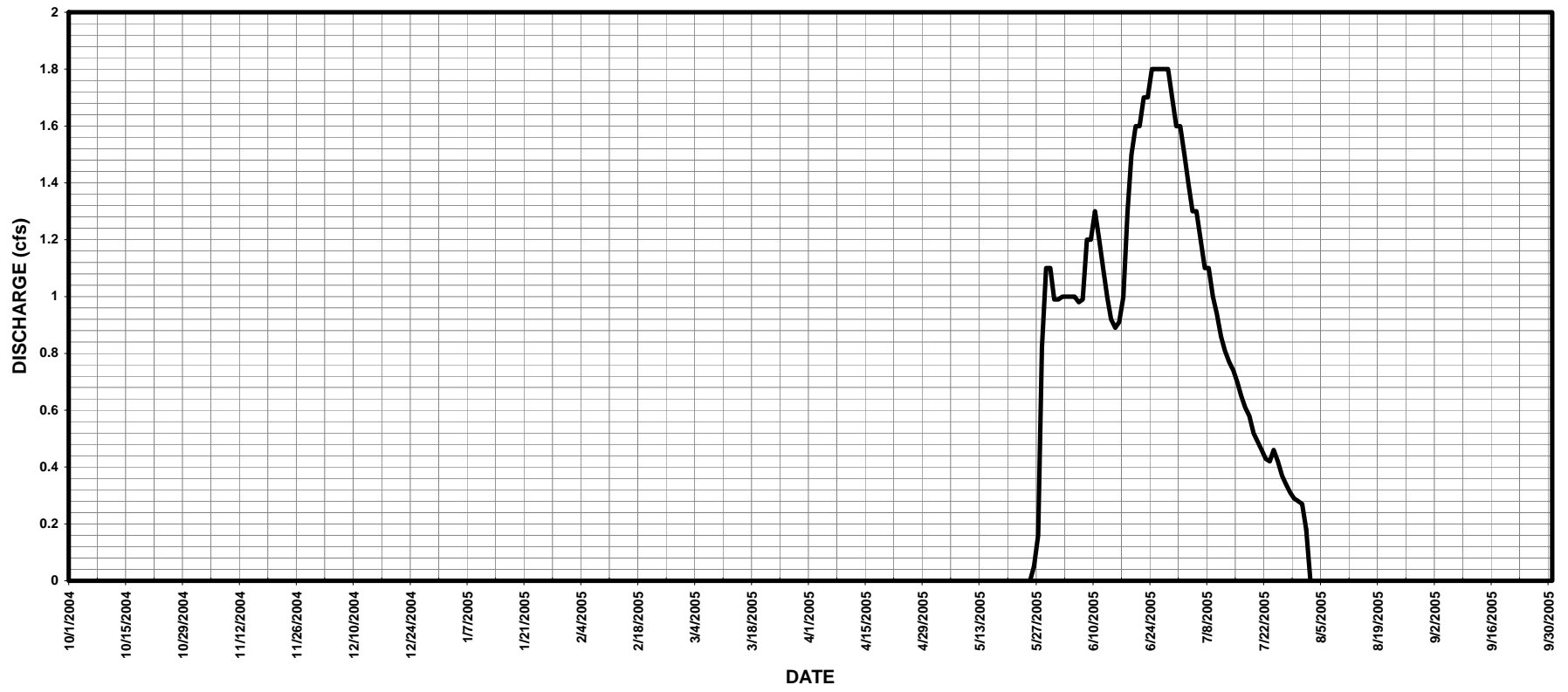
WTR YR 2005 TOTAL 67 MEAN .18 MAX 1.8 MIN 0 AC-FT 133

MAX DISCH: 1.82 CFS AT 19:00 ON Jun. 22, 2005 GH 0.5 FT. SHIFT -0.04 FT.

MAX GH: 0.5 FT. AT 19:00 ON Jun. 22, 2005

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

09046000 BOREAS PASS DITCH AT BOREAS PASS CO
WY2005 HYDROGRAPH



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.--A Stevens 2A-35 graphic stage recorder and Sutron 8210 DCP with digital shaft encoder in a concrete shelter and well at a 20' Parshall Flume. Primary reference is a drop tape with the R.M. on the front edge of the equipment shelf. The Sutron 8210 DCP was converted to High Data Rate on 17 April 2002. 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 with chart backup. It is complete and reliable. The recording equipment functions well and is considered reliable during cold weather due to a heat lamp installed within the shelter and well. During zero-flow periods, there is a residual gage height due to standing water in the well & flume. (The inlet is slightly above the floor of the flume, and dead moss traps patches of water in the flume.) The level seems to vary from .05 ft to 0.15 ft. Denver Water Board Department records were used to verify periods of zero flow. The record is rated as good. Station maintained and record developed by Garver Brown.

RATING TABLE.--STD20FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

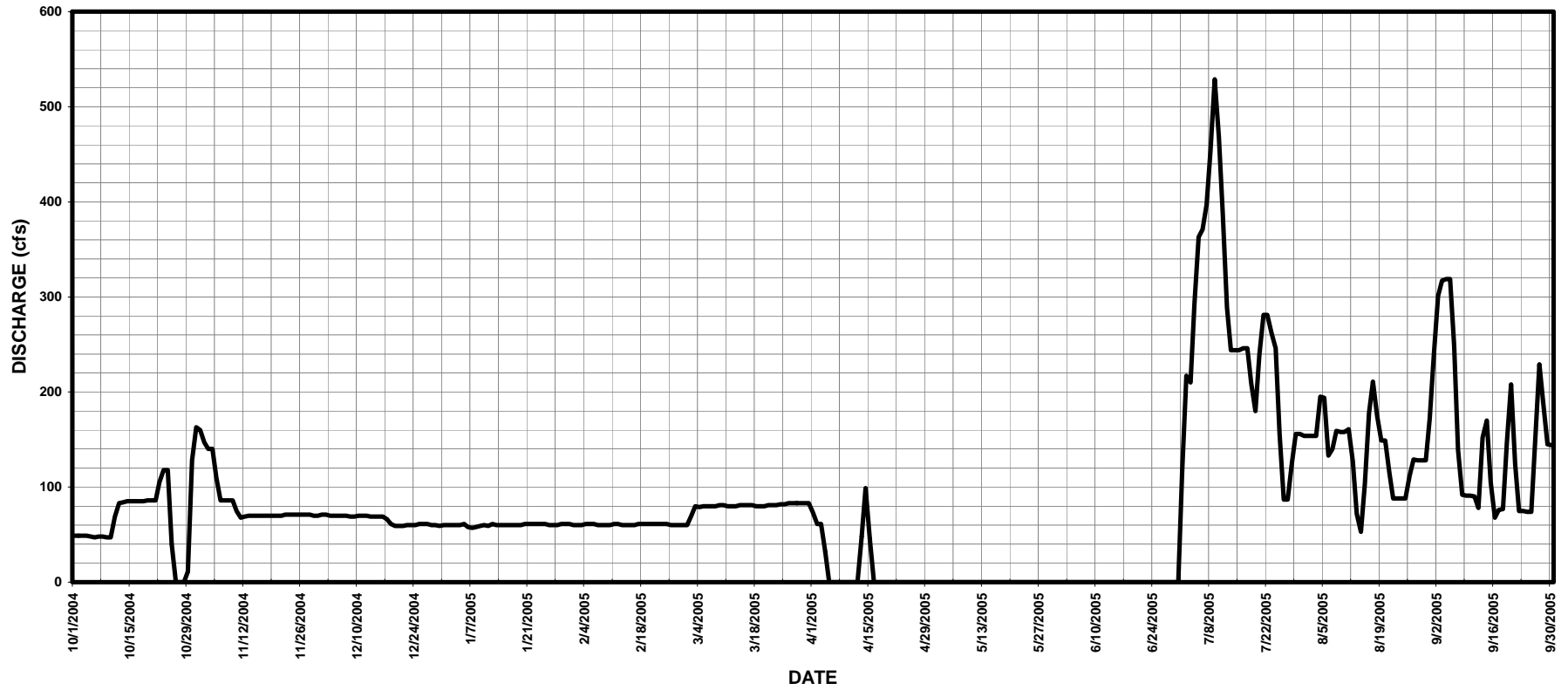
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	160	71	60	60	60	73	0	0	117	154	240
2	49	147	71	60	60	70	61	0	0	217	154	301
3	49	140	70	60	60	80	61	0	0	210	154	317
4	49	140	70	60	61	79	32	0	0	293	195	319
5	48	110	70	61	61	80	0	0	0	363	194	319
6	47	86	70	58	61	80	0	0	0	371	133	249
7	48	86	70	57	60	80	0	0	0	397	140	139
8	48	86	69	58	60	80	0	0	0	454	159	92
9	47	86	69	59	60	81	0	0	0	529	158	91
10	47	75	70	60	60	81	0	0	0	468	158	91
11	69	68	70	59	61	80	0	0	0	387	161	90
12	83	69	70	61	61	80	0	0	0	289	127	78
13	84	70	69	60	60	80	48	0	0	244	72	152
14	85	70	69	60	60	81	99	0	0	244	53	170
15	85	70	69	60	60	81	46	0	0	244	103	105
16	85	70	69	60	60	81	0	0	0	246	178	68
17	85	70	66	60	61	81	0	0	0	246	211	76
18	85	70	61	60	61	80	0	0	0	209	175	77
19	86	70	59	60	61	80	0	0	0	180	149	147
20	86	70	59	61	61	80	0	0	0	239	149	208
21	86	70	59	61	61	81	0	0	0	281	115	125
22	105	71	60	61	61	81	0	0	0	281	88	75
23	118	71	60	61	61	81	0	0	0	262	88	75
24	118	71	60	61	61	82	0	0	0	246	88	74
25	40	71	61	61	60	82	0	0	0	156	88	74
26	0	71	61	60	60	83	0	0	0	87	112	149
27	0	71	61	60	60	83	0	0	0	87	129	229
28	0	71	60	60	60	83	0	0	0	125	128	185
29	11	70	60	61	---	83	0	0	0	156	128	145
30	128	70	59	61	---	83	0	0	0	156	128	144
31	163	---	60	61	---	83	---	0	---	154	172	---
TOTAL	2083	2520	2022	1862	1693	2480	420	0	0	7938	4241	4604
MEAN	67.2	84	65	60	61	80	14	0	0	256	137	153
AC-FT	4130	5000	4010	3690	3360	4920	833	0	0	15750	8410	9130
MAX	163	160	71	61	61	83	99	0	0	529	211	319
MIN	0	68	59	57	60	60	0	0	0	87	53	68

WTR YR 2005 TOTAL 29863 MEAN 81.8 MAX 529 MIN 0 AC-FT 59230

MAX DISCH: 533 CFS AT 16:00 ON Jul. 8, 2005 GH 3.32 FT. SHIFT 0.05 FT.
MAX GH: 3.32 FT. AT 16:00 ON Jul. 8, 2005

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

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT CO
WY2005 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE 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.--A 12-inch Parshall flume located in a manhole in the CDOT parking lot between eastbound and westbound lanes of I-70. The tunnel pipeline is approximately 12 ft. underground. There is a condensing environment in the tunnel; the moisture has destroyed electronic and electrical equipment placed there previously. Most metal objects are corroded. The air is of poor quality within the tunnel.

REMARKS.--Employees of Coors take one instantaneous gage height reading at intervals during the fair weather months. The parking lot is covered with ice in the winter and such readings are not made. The record is not rated for accuracy. The site does not have continuous record. Yearly data is based on the interpolation of 14 user-supplied instantaneous observations of flow. However, it is noted that weekly observations were made during May and June this year, which seemed to identify the period of higher flows. This record is requested by DWR Division 5 and the Upper Colorado River Commission to complete their accounting of transmountain diversions. Record developed by Steve Barrett.

RATING TABLE.--STD01FTPAR USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

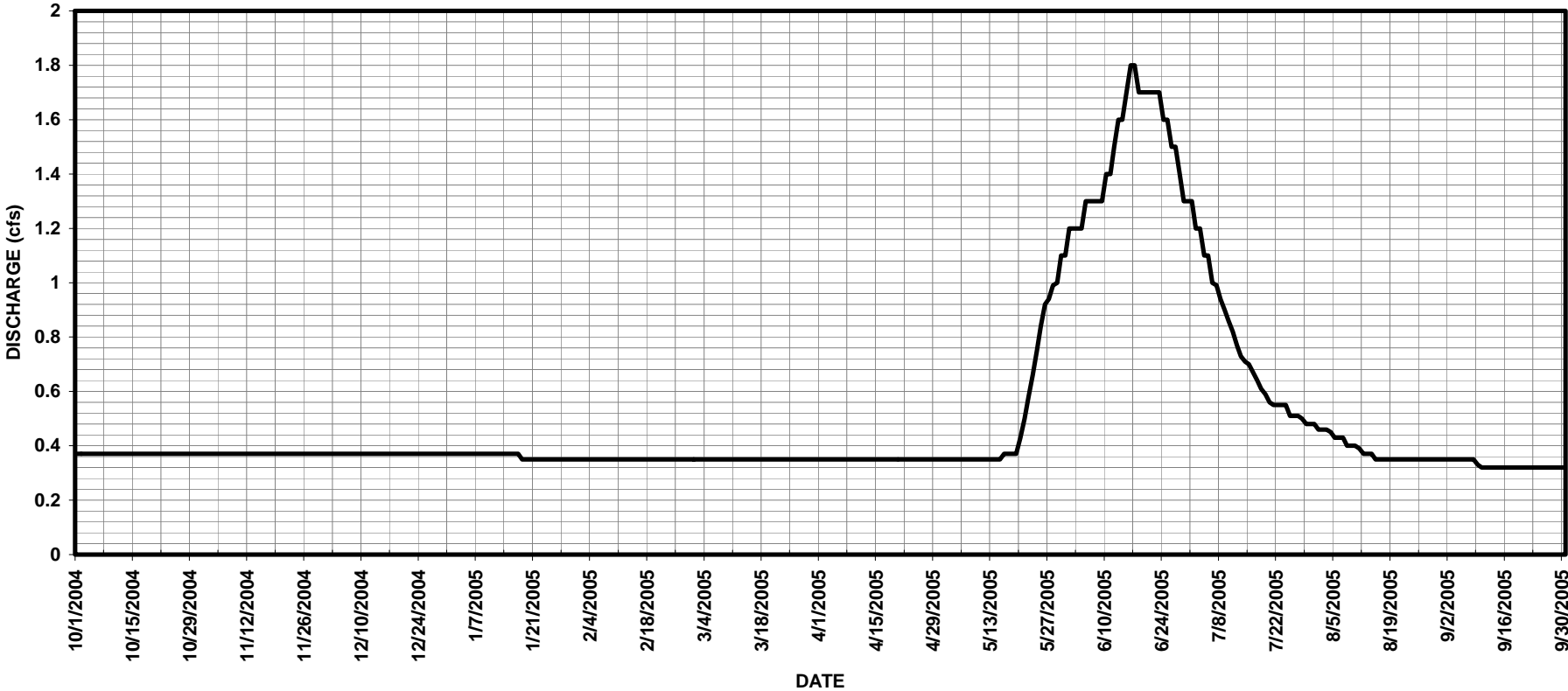
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.37	.37	.37	.37	.35	.35	.35	.35	1.2	1.3	.46	.35
2	.37	.37	.37	.37	.35	.35	.35	.35	1.2	1.2	.46	.35
3	.37	.37	.37	.37	.35	.35	.35	.35	1.2	1.2	.46	.35
4	.37	.37	.37	.37	.35	.35	.35	.35	1.2	1.1	.45	.35
5	.37	.37	.37	.37	.35	.35	.35	.35	1.3	1.1	.43	.35
6	.37	.37	.37	.37	.35	.35	.35	.35	1.3	1	.43	.35
7	.37	.37	.37	.37	.35	.35	.35	.35	1.3	.99	.43	.35
8	.37	.37	.37	.37	.35	.35	.35	.35	1.3	.94	.4	.35
9	.37	.37	.37	.37	.35	.35	.35	.35	1.3	.9	.4	.33
10	.37	.37	.37	.37	.35	.35	.35	.35	1.4	.86	.4	.32
11	.37	.37	.37	.37	.35	.35	.35	.35	1.4	.82	.39	.32
12	.37	.37	.37	.37	.35	.35	.35	.35	1.5	.77	.37	.32
13	.37	.37	.37	.37	.35	.35	.35	.35	1.6	.73	.37	.32
14	.37	.37	.37	.37	.35	.35	.35	.35	1.6	.71	.37	.32
15	.37	.37	.37	.37	.35	.35	.35	.35	1.7	.7	.35	.32
16	.37	.37	.37	.37	.35	.35	.35	.37	1.8	.67	.35	.32
17	.37	.37	.37	.37	.35	.35	.35	.37	1.8	.64	.35	.32
18	.37	.37	.37	.35	.35	.35	.35	.37	1.7	.61	.35	.32
19	.37	.37	.37	.35	.35	.35	.35	.37	1.7	.59	.35	.32
20	.37	.37	.37	.35	.35	.35	.35	.43	1.7	.56	.35	.32
21	.37	.37	.37	.35	.35	.35	.35	.5	1.7	.55	.35	.32
22	.37	.37	.37	.35	.35	.35	.35	.58	1.7	.55	.35	.32
23	.37	.37	.37	.35	.35	.35	.35	.66	1.7	.55	.35	.32
24	.37	.37	.37	.35	.35	.35	.35	.75	1.6	.55	.35	.32
25	.37	.37	.37	.35	.35	.35	.35	.84	1.6	.51	.35	.32
26	.37	.37	.37	.35	.35	.35	.35	.92	1.5	.51	.35	.32
27	.37	.37	.37	.35	.35	.35	.35	.94	1.5	.51	.35	.32
28	.37	.37	.37	.35	.35	.35	.35	.99	1.4	.5	.35	.32
29	.37	.37	.37	.35	---	.35	.35	1	1.3	.48	.35	.32
30	.37	.37	.37	.35	---	.35	.35	1.1	1.3	.48	.35	.32
31	.37	---	.37	.35	---	.35	---	1.1	---	.48	.35	---
TOTAL	11.47	11.1	11.47	11.19	9.8	10.85	10.5	16.54	44.5	23.06	11.77	9.85
MEAN	.37	.37	.37	.36	.35	.35	.35	.53	1.5	.74	.38	.33
AC-FT	23	22	23	22	19	22	21	33	88	46	23	20
MAX	.37	.37	.37	.37	.35	.35	.35	1.1	1.8	1.3	.46	.35
MIN	.37	.37	.37	.35	.35	.35	.35	.35	1.2	.48	.35	.32

WTR YR 2005 TOTAL 182.1 MEAN .5 MAX 1.8 MIN .32 AC-FT 361

MAX DISCH: 1.75 CFS AT 00:00 ON Jun. 16, 2005 GH 0 FT. SHIFT 0.58 FT.
MAX GH: .58 FT. AT 00:00 ON Jun. 16, 2005

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

STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL CO
WY2005 HYDROGRAPH



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, at Argentine Pass above Keystone Ski Area.

DRAINAGE AREA.--N/A

GAGE.--Stevens F-type recorder and digital shaft encoder mounted on a prefabricated steel three-foot Parshall flume. The flume is inside the tunnel, approximately 320 feet from the DCP. The primary reference is the flume staff. A high data rate Satlink data collection platform (DCP) was installed in Sept 2005 replacing the 8004 Sutron DCP. The SE 8500 shaft encoder was replaced with a new high resolution shaft encoder.

REMARKS.-- The primary record is hourly GH's taken from satellite telemetry with chart backup. Chart record was used from 5/28/05-6/1/05. Missing DCP record on 6/27/05-7/1/05 and 9/6/05-9/8/05 was completed using the chart record. The record is complete and reliable except for 5/23/05-5/27/05 when no chart record or DCP record were available. The SE float did not record zero GH during periods of no flow, so Gage heights less than 0.05 were considered zero. The record is considered good, except for data from 5/23/05-5/27/05 which was estimated. Station maintained and record developed by Steve Barrett.

RATING TABLE.--VIDTUNCO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

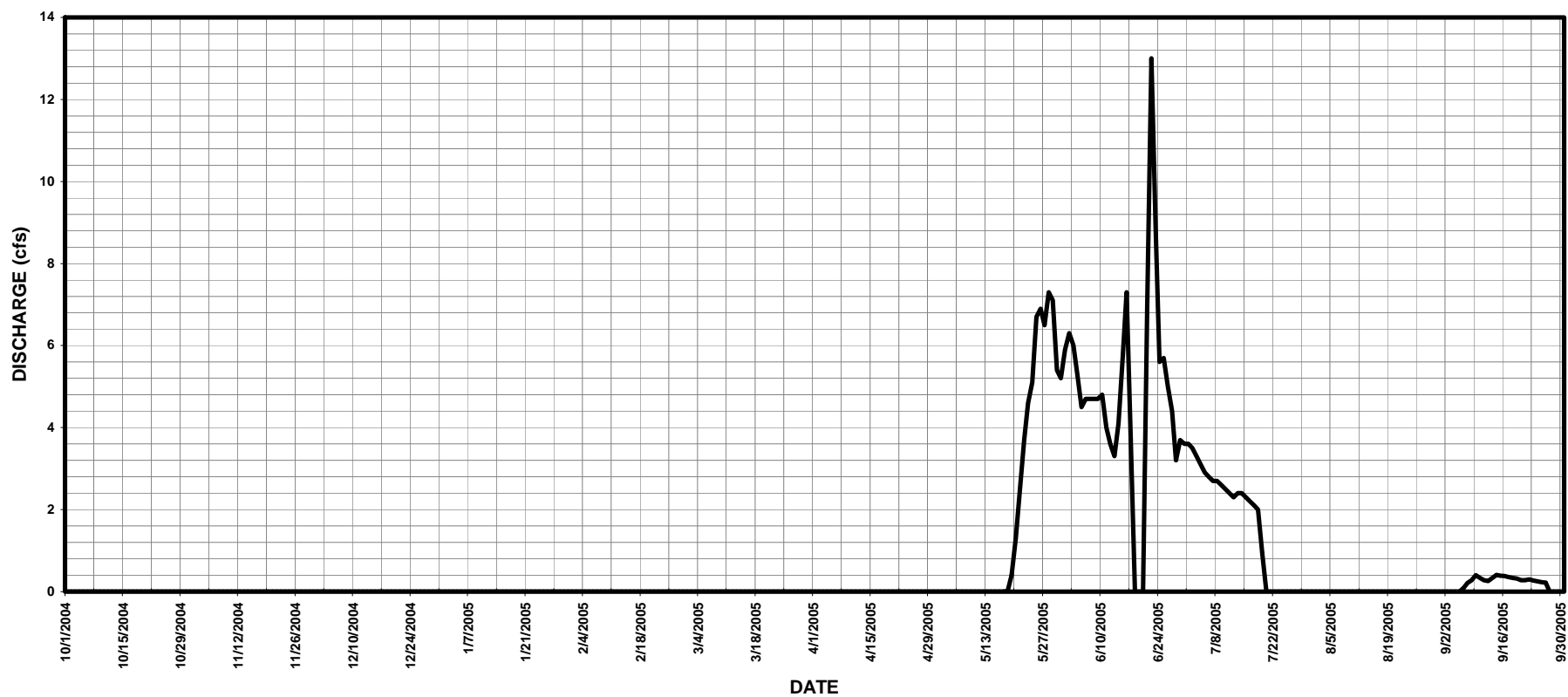
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	5.9	3.6	0	0
2	0	0	0	0	0	0	0	0	6.3	3.5	0	0
3	0	0	0	0	0	0	0	0	6	3.3	0	0
4	0	0	0	0	0	0	0	0	5.3	3.1	0	0
5	0	0	0	0	0	0	0	0	4.5	2.9	0	0
6	0	0	0	0	0	0	0	0	4.7	2.8	0	.09
7	0	0	0	0	0	0	0	0	4.7	2.7	0	.21
8	0	0	0	0	0	0	0	0	4.7	2.7	0	.28
9	0	0	0	0	0	0	0	0	4.7	2.6	0	.4
10	0	0	0	0	0	0	0	0	4.8	2.5	0	.33
11	0	0	0	0	0	0	0	0	4	2.4	0	.28
12	0	0	0	0	0	0	0	0	3.6	2.3	0	.26
13	0	0	0	0	0	0	0	0	3.3	2.4	0	.33
14	0	0	0	0	0	0	0	0	4.1	2.4	0	.41
15	0	0	0	0	0	0	0	0	5.7	2.3	0	.39
16	0	0	0	0	0	0	0	0	7.3	2.2	0	.38
17	0	0	0	0	0	0	0	0	3.7	2.1	0	.35
18	0	0	0	0	0	0	0	.02	0	2	0	.33
19	0	0	0	0	0	0	0	.4	0	.94	0	.32
20	0	0	0	0	0	0	0	1.3	0	0	0	.28
21	0	0	0	0	0	0	0	2.5	7	0	0	.28
22	0	0	0	0	0	0	0	3.7	13	0	0	.3
23	0	0	0	0	0	0	0	4.6	8.9	0	0	.27
24	0	0	0	0	0	0	0	5.1	5.6	0	0	.25
25	0	0	0	0	0	0	0	6.7	5.7	0	0	.23
26	0	0	0	0	0	0	0	6.9	5	0	0	.22
27	0	0	0	0	0	0	0	6.5	4.4	0	0	0
28	0	0	0	0	0	0	0	7.3	3.2	0	0	0
29	0	0	0	0	---	0	0	7.1	3.7	0	0	0
30	0	0	0	0	---	0	0	5.4	3.6	0	0	0
31	0	---	0	0	---	0	---	5.2	---	0	0	---
TOTAL	0	0	0	0	0	0	0	62.72	143.4	48.74	0	6.19
MEAN	0	0	0	0	0	0	0	2.02	4.78	1.57	0	.21
AC-FT	0	0	0	0	0	0	0	124	284	97	0	12
MAX	0	0	0	0	0	0	0	7.3	13	3.6	0	.41
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2005 TOTAL 261.05 MEAN .72 MAX 13 MIN 0 AC-FT 518

MAX DISCH: 14.9 CFS AT 00:00 ON Jun. 21, 2005 GH 1.21 FT. SHIFT -0.06 FT.
MAX GH: 1.21 FT. AT 00:00 ON Jun. 21, 2005

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

09047300 VIDLER TUNNEL NEAR ARGENTINE PASS CO
WY2005 HYDROGRAPH



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.--Stevens 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. A 3.5' staff gage was installed in the flume on June 8, 2005 and a high data rate Satlink data collection platform (DCP) and new shaft encoder were installed on July 11, 2005.

REMARKS.--The record is a combination of mean hourly gage heights taken from the chart and DCP record. Missing DCP data on 7/11/05-7/13/05 was filled in using hourly values from the chart record. The record is complete and reliable. The record is considered good. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BERDITCO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

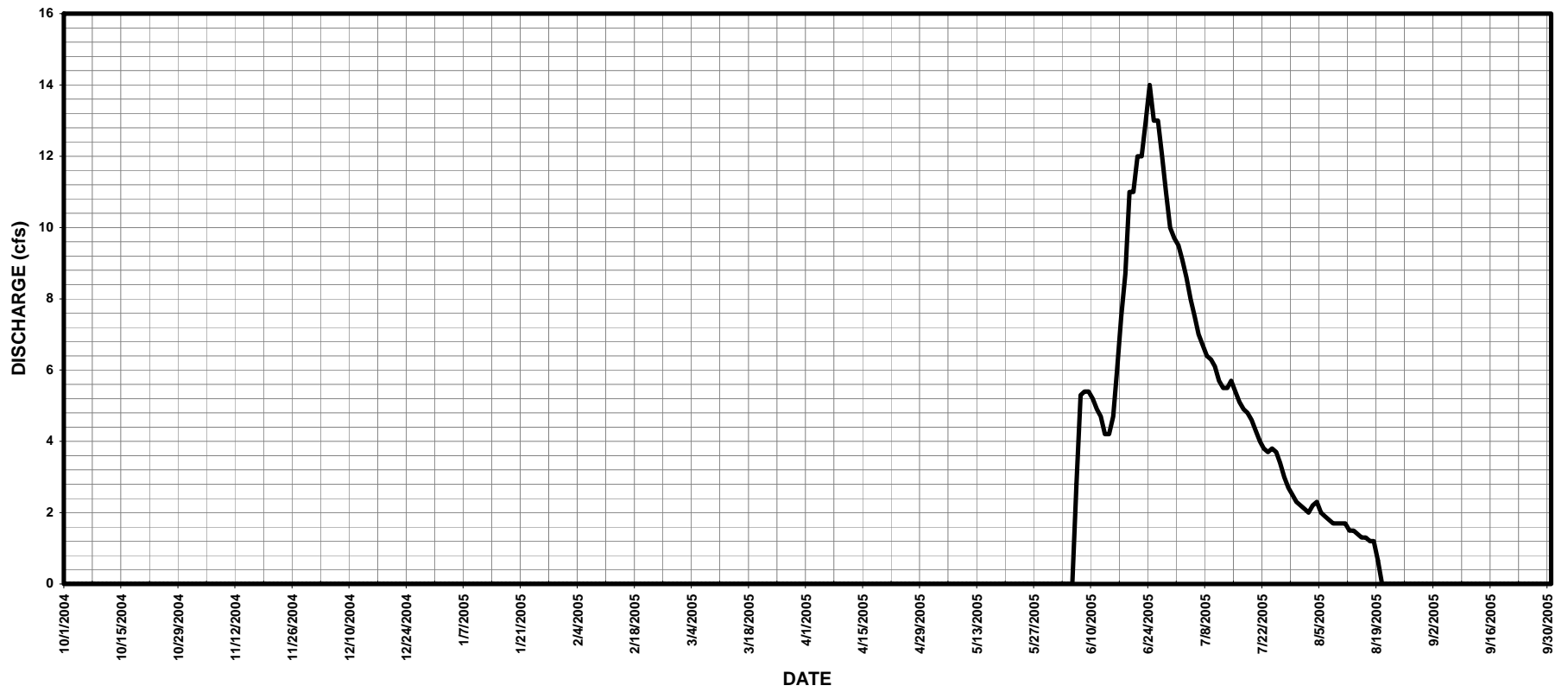
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	9.5	2.1	0
2	0	0	0	0	0	0	0	0	0	9.1	2	0
3	0	0	0	0	0	0	0	0	0	8.6	2.2	0
4	0	0	0	0	0	0	0	0	0	8	2.3	0
5	0	0	0	0	0	0	0	0	0	7.5	2	0
6	0	0	0	0	0	0	0	0	2.8	7	1.9	0
7	0	0	0	0	0	0	0	0	5.3	6.7	1.8	0
8	0	0	0	0	0	0	0	0	5.4	6.4	1.7	0
9	0	0	0	0	0	0	0	0	5.4	6.3	1.7	0
10	0	0	0	0	0	0	0	0	5.2	6.1	1.7	0
11	0	0	0	0	0	0	0	0	4.9	5.7	1.7	0
12	0	0	0	0	0	0	0	0	4.7	5.5	1.5	0
13	0	0	0	0	0	0	0	0	4.2	5.5	1.5	0
14	0	0	0	0	0	0	0	0	4.2	5.7	1.4	0
15	0	0	0	0	0	0	0	0	4.7	5.4	1.3	0
16	0	0	0	0	0	0	0	0	6	5.1	1.3	0
17	0	0	0	0	0	0	0	0	7.5	4.9	1.2	0
18	0	0	0	0	0	0	0	0	8.7	4.8	1.2	0
19	0	0	0	0	0	0	0	0	11	4.6	.66	0
20	0	0	0	0	0	0	0	0	11	4.3	0	0
21	0	0	0	0	0	0	0	0	12	4	0	0
22	0	0	0	0	0	0	0	0	12	3.8	0	0
23	0	0	0	0	0	0	0	0	13	3.7	0	0
24	0	0	0	0	0	0	0	0	14	3.8	0	0
25	0	0	0	0	0	0	0	0	13	3.7	0	0
26	0	0	0	0	0	0	0	0	13	3.4	0	0
27	0	0	0	0	0	0	0	0	12	3	0	0
28	0	0	0	0	0	0	0	0	11	2.7	0	0
29	0	0	0	0	---	0	0	0	10	2.5	0	0
30	0	0	0	0	---	0	0	0	9.7	2.3	0	0
31	0	---	0	0	---	0	---	0	---	2.2	0	---
TOTAL	0	0	0	0	0	0	0	0	210.7	161.8	31.16	0
MEAN	0	0	0	0	0	0	0	0	7.02	5.2	1.01	0
AC-FT	0	0	0	0	0	0	0	0	418	321	62	0
MAX	0	0	0	0	0	0	0	0	14	9.5	2.3	0
MIN	0	0	0	0	0	0	0	0	0	2.2	0	0

WTR YR 2005 TOTAL 403.66 MEAN 1.11 MAX 14 MIN 0 AC-FT 801

MAX DISCH: 15.2 CFS AT 19:00 ON Jun. 24, 2005 GH 1.45 FT. SHIFT -0.04 FT.
MAX GH: 1.45 FT. AT 19:00 ON Jun. 24, 2005

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

09021500 BERTHOUD PASS DITCH AT BERTHOUD PASS CO
WY2005 HYDROGRAPH



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 and satellite telemetry in a timber shelter at a concrete stilling well and 15-foot Parshall Flume. A High Data Rate Sutron 8210 having logging capability as well as telephone line access. Electric tape was installed April 18, 2001.

REMARKS.--Primary record is hourly satellite data with chart backup and is complete and reliable except for December 1-3, 2004, which were estimated due to ice in the well. Mean daily gage heights were taken from the charts on days where satellite data was missing and the range in stage was negligible. The flume is generally not subject to ice as the water was still warm from the tunnel. The graphic chart is changed weekly by Denver Water Department. Record is good with exception of December 1-3, 2004, which have been estimated and considered poor. Station maintained and record developed by Russell Stroud.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

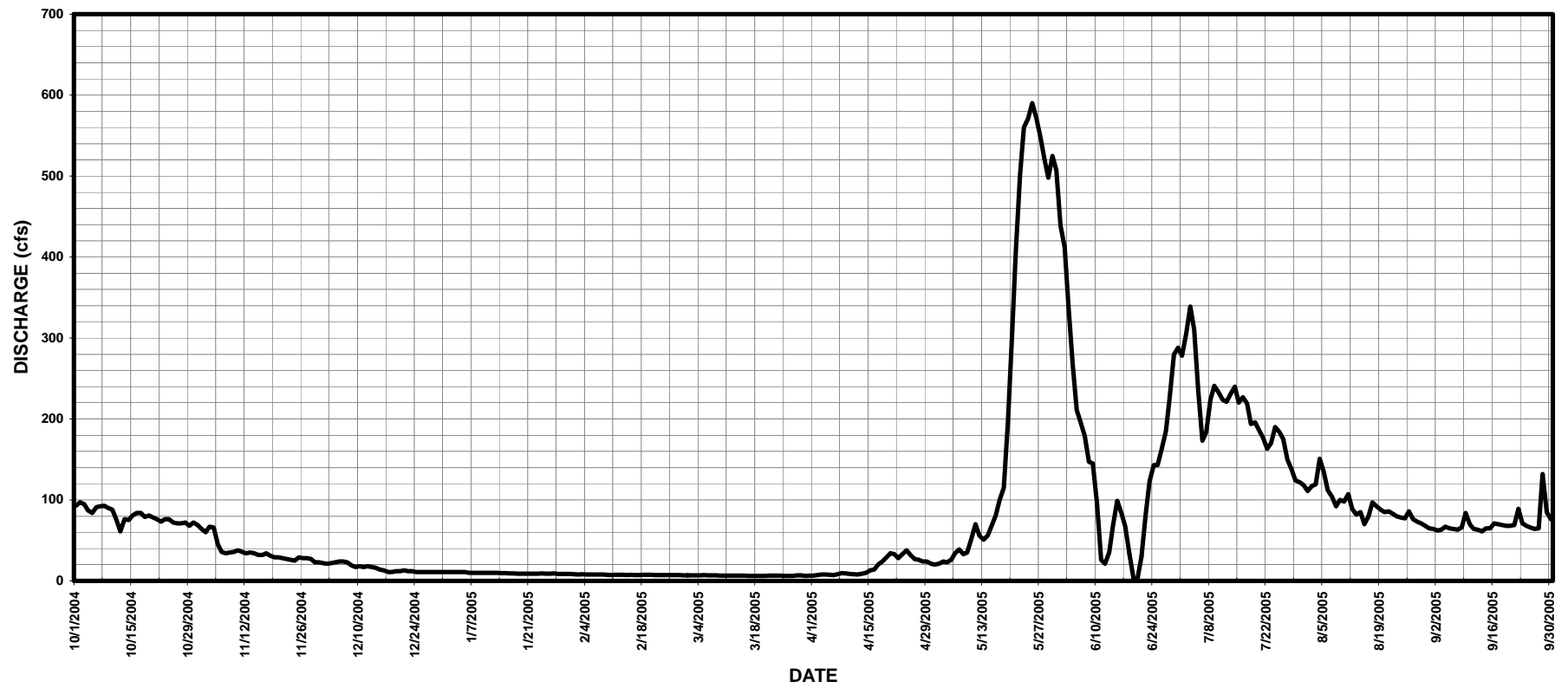
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	64	22	11	8.1	6.8	6.5	20	439	278	111	64
2	97	60	21	11	7.7	6.8	7.1	21	412	305	117	62
3	95	67	22	11	8.1	6.8	7.7	24	338	339	119	63
4	87	66	23	11	8	6.9	8	23	267	310	151	67
5	84	45	24	11	7.9	7	7.4	26	211	235	134	65
6	91	36	24	10	7.9	6.8	7.3	34	196	173	112	64
7	92	34	23	10	7.9	6.8	8.1	39	179	184	104	63
8	93	35	19	10	7.7	6.8	9.4	33	147	224	92	66
9	90	36	17	10	7.4	6.6	9.1	35	145	241	100	84
10	88	38	18	10	7.2	6.6	8.6	52	96	233	98	70
11	75	36	17	10	7.6	6.5	8.2	70	26	224	107	64
12	61	34	18	10	7.6	6.6	8	56	21	221	89	63
13	76	35	17	10	7.5	6.6	8.9	51	35	231	82	61
14	75	34	16	9.4	7.2	6.5	10	56	69	240	85	65
15	81	32	14	9.4	7.5	6.4	13	68	99	220	70	65
16	84	32	13	9.1	7.3	6.2	14	81	84	227	80	71
17	84	34	11	9.3	7.2	6.3	20	100	67	219	97	70
18	79	31	11	9	7.4	6.2	24	115	33	194	92	69
19	81	29	12	8.9	7.5	6.3	29	197	2.5	196	88	68
20	78	29	12	9	7.4	6.3	34	298	1.6	186	85	68
21	76	28	13	9	7.3	6.4	33	408	30	177	86	69
22	73	27	12	9	7.1	6.4	28	501	82	163	83	89
23	76	26	12	9	7.1	6.5	33	560	123	170	80	71
24	76	25	11	9.1	7.1	6.4	38	571	143	190	78	68
25	72	29	11	9	7.1	6.3	32	590	143	184	77	66
26	71	28	11	8.9	7.1	6.3	27	573	163	175	86	64
27	71	28	11	9.1	7.1	6.2	26	549	185	150	76	65
28	72	27	11	8.7	6.7	6.7	24	521	228	138	73	132
29	68	23	11	8.4	---	6.9	24	498	280	124	71	85
30	72	23	11	8.4	---	6.3	21	525	288	122	68	76
31	69	---	11	8.4	---	6.4	---	507	---	118	65	---
TOTAL	2480	1071	479	296.1	208.7	202.6	534.3	7202	4533.1	6391	2856	2117
MEAN	80	36	16	9.6	7.5	6.5	17.8	232	151	206	92	71
AC-FT	4920	2120	950	587	414	402	1060	14290	8990	12680	5660	4200
MAX	97	67	24	11	8.1	7	38	590	439	339	151	132
MIN	61	23	11	8.4	6.7	6.2	6.5	20	1.6	118	65	61

WTR YR 2005 TOTAL 28370.8 MEAN 77.7 MAX 590 MIN 1.6 AC-FT 56270

MAX DISCH: 664 CFS AT 20:00 ON May. 25, 2005 GH 4.4 FT. SHIFT 0.2 FT.
MAX GH: 4.4 FT. AT 20:00 ON May. 25, 2005

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

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE CO
WY2005 HYDROGRAPH



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. Accuracy is not affected. Zero flow is determined operationally. Small residuals draining through the flume after the tunnel is turned off can be considered to be zero. On October 14, 2004 the lower inlet was repaired. Record is good. Beginning in the 2000 water year, ADANETCO (West slope delivery only) has been published to provide the west slope delivery on a daily basis. From May 16 to July 18, 2005, approximately 725 acre-feet of Wind River water was diverted into the Parshall for Adams Tunnel. This Wind River water was subtracted from flow into the Adams Parshall to arrive at ADANETCO discharges. The Wind River diversion is computed using the records for Wind River above Adams Tunnel (WINDESCO) and Wind River below Adams Tunnel (WINBYPCO). Station maintained by Merlin Friedrichsen and record developed by Lee Cunning and Bob Cooper.

RATING TABLE.--ADATUNCO06 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	0	464	531	455	453	99	243	41	180	194	173
2	10	0	484	534	457	431	2.5	231	91	82	193	46
3	0	0	520	535	523	413	0	232	1	0	194	51
4	43	0	505	525	343	396	0	230	0	0	130	152
5	51	0	503	517	540	394	0	255	1	0	103	253
6	52	0	501	516	536	394	0	257	0	4	15	251
7	52	0	502	311	537	381	86	258	0	68	174	246
8	103	0	490	384	540	362	140	258	1	69	174	171
9	21	0	308	465	537	361	0	303	0	69	176	33
10	0	0	322	532	536	362	0	447	0	69	172	26
11	0	0	516	530	513	407	0	75	1	11	154	26
12	0	0	513	530	461	535	0	51	0	28	5.9	235
13	0	0	508	531	461	505	0	148	1	122	0	362
14	0	0	514	534	497	531	0	151	28	127	0	262
15	0	46	514	534	476	551	0	151	142	94	0	377
16	0	209	453	535	362	550	0	181	140	6	25	367
17	0	279	505	532	362	504	0	143	13	0	151	282
18	0	112	514	533	357	552	37	68	1	0	197	298
19	0	114	488	531	462	451	82	99	0	153	199	253
20	0	144	401	529	426	357	82	100	0	169	281	253
21	0	212	429	528	383	259	82	51	0	169	59	251
22	0	382	521	528	230	280	82	46	0	169	55	256
23	0	303	524	529	232	379	169	45	0	169	42	252
24	0	522	528	522	229	456	233	5	0	162	0	253
25	0	555	526	505	417	528	230	0	1	101	15	253
26	0	548	525	409	427	339	229	135	1	59	319	279
27	0	530	523	502	422	250	147	248	0	0	286	297
28	0	519	547	529	453	250	91	154	1	93	49	302
29	0	501	553	519	---	223	200	0	20	188	48	301
30	0	506	555	530	---	163	257	0	70	194	236	253
31	0	---	554	528	---	129	---	0	---	193	248	---
TOTAL	399	5482	15310	15798	12174	12146	2248.5	4565	554	2748	3894.9	6814
MEAN	12.9	183	494	510	435	392	74.9	147	18.5	88.6	126	227
AC-FT	791	10870	30370	31340	24150	24090	4460	9050	1100	5450	7730	13520
MAX	103	555	555	535	540	552	257	447	142	194	319	377
MIN	0	0	308	311	229	129	0	0	0	0	0	26

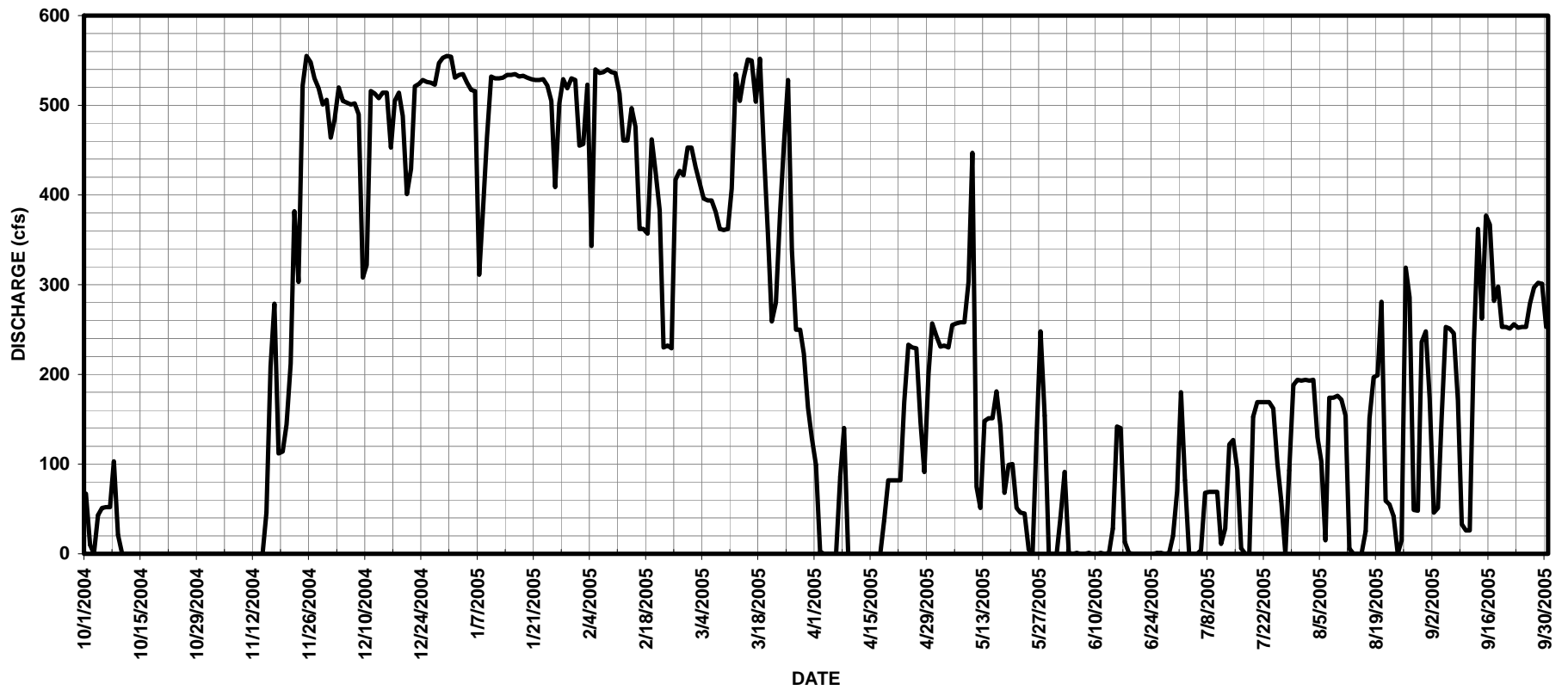
WTR YR 2005 TOTAL 82133.4 MEAN 225 MAX 555 MIN 0 AC-FT 162900

MAX DISCH: Not Determined.

MAX GH: Not Determined

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

09013000 ALVA B. ADAMS TUNNEL AT EAST PORTAL NEAR ESTES PARK CO
WY2005 HYDROGRAPH



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. The wooden station is located at a 10 foot Parshall flume. A drop tape is the primary reference.

REMARKS.--The primary record is hourly data, taken from satellite monitoring with chart backup. Flows were estimated from May 4 until May 20, due to ice, since the flow could not be equated to gage height. Ditch company employees (Water Supply & Storage) were estimating the flows and reporting them to the water commissioner. The chart recorder was installed on May 17, 2005 but the flume was mostly full of ice with water running under and on top of the ice. When the satellite equipment was installed on May 19 the flume was open but submerged. A measurement was taken then to help support the estimates. The flume was running ice-free with no submergence the next day (May 20) by midday. The record is good except for the estimated days of May 4-20. The record is prepared by George Sievers, with the help from the district water commissioners.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2004 TO 01-NOV-2004
 STD10FTPF USED FROM 01-MAY-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

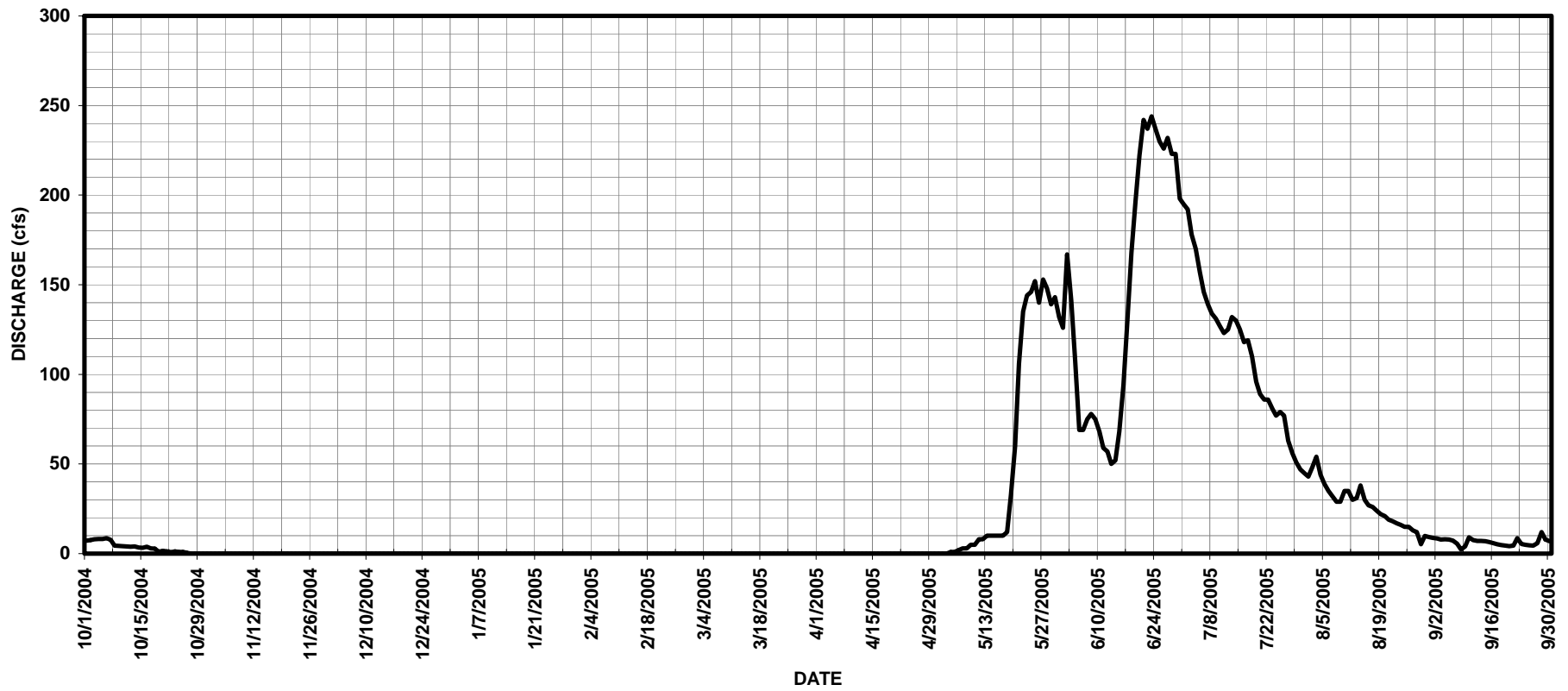
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	0	0	0	0	0	0	0	126	195	43	8.8
2	7.6	0	0	0	0	0	0	0	167	192	48	8.4
3	8	0	0	0	0	0	0	0	141	178	54	7.9
4	8.2	0	0	0	0	0	0	1	108	170	44	8
5	8.2	0	0	0	0	0	0	1	69	157	39	7.8
6	8.6	0	0	0	0	0	0	2	69	146	35	7.2
7	7.7	0	0	0	0	0	0	3	75	139	32	5.5
8	4.4	0	0	0	0	0	0	3	78	134	29	2.3
9	4.3	0	0	0	0	0	0	5	75	131	29	4
10	4.2	0	0	0	0	0	0	5	68	127	35	9.1
11	4	0	0	0	0	0	0	8	59	123	35	7.6
12	3.8	0	0	0	0	0	0	8	57	125	30	7.1
13	4	0	0	0	0	0	0	10	50	132	31	7.1
14	3.4	0	0	0	0	0	0	10	52	130	38	6.9
15	3.3	0	0	0	0	0	0	10	68	125	30	6.4
16	3.8	0	0	0	0	0	0	10	94	118	27	5.8
17	3	0	0	0	0	0	0	10	129	119	26	5.3
18	2.8	0	0	0	0	0	0	12	168	110	24	4.7
19	1.1	0	0	0	0	0	0	33	197	96	22	4.4
20	1.5	0	0	0	0	0	0	60	222	89	21	4.2
21	1.2	0	0	0	0	0	0	106	242	86	19	4.5
22	.84	0	0	0	0	0	0	135	237	86	18	8.6
23	1.2	0	0	0	0	0	0	144	244	81	17	5.4
24	.99	0	0	0	0	0	0	146	237	77	16	4.9
25	.99	0	0	0	0	0	0	152	230	79	15	4.6
26	.39	0	0	0	0	0	0	140	226	77	15	4.4
27	0	0	0	0	0	0	0	153	232	63	13	5.9
28	0	0	0	0	0	0	0	148	223	56	12	12
29	0	0	0	0	---	0	0	139	223	51	5.3	7.9
30	0	0	0	0	---	0	0	143	198	47	9.8	6.9
31	0	---	0	0	---	0	---	132	---	45	9.2	---
TOTAL	104.81	0	0	0	0	0	0	1729	4364	3484	821.3	193.6
MEAN	3.38	0	0	0	0	0	0	55.8	145	112	26.5	6.5
AC-FT	208	0	0	0	0	0	0	3430	8660	6910	1630	384
MAX	8.6	0	0	0	0	0	0	153	244	195	54	12
MIN	0	0	0	0	0	0	0	0	50	45	5.3	2.3

WTR YR 2005 TOTAL 10696.71 MEAN 29.3 MAX 244 MIN 0 AC-FT 21220

MAX DISCH: 279 CFS AT 21:45 ON Jun. 20, 2005 GH 3.40 FT. (3.41 Recorded -0.01 Ft. Correction) SHIFT 0 FT.
 MAX GH: 3.40 FT. AT 21:45 ON Jun. 20, 2005

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

0901000 GRAND RIVER DITCH AT LA POUVRE PASS CO
WY2005 HYDROGRAPH



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 a 2 foot Parshall flume with staff gage inside the stilling well in a wooden shelter.

REMARKS.--Primary record is mean daily chart values. These charts are worked by the District 3 deputy water commissioner Mark Simpson and checked by George Sievers. The record is complete and reliable except for June 3-4 when ice in the well caused bad float operation. Ice in the well was also observed June 5-14. Record is good, except June 3& 4 which were estimated and June 5-14 which are fair due to ice in the well. Water was run from June 3 until July 12, 2005. Record developed by George Sievers and Mark Simpson.

RATING TABLE.--CAPDCPC001 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

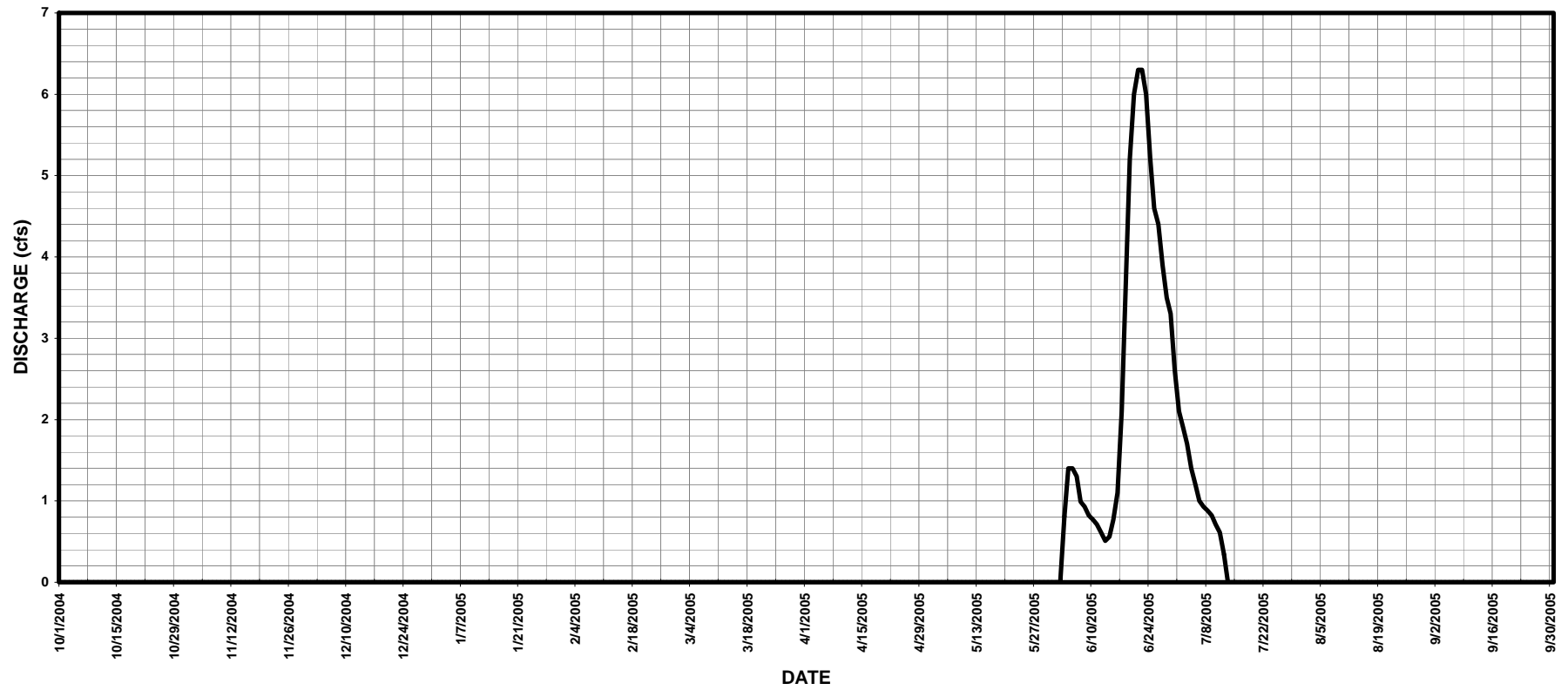
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	2.1	0	0
2	0	0	0	0	0	0	0	0	0	1.9	0	0
3	0	0	0	0	0	0	0	0	.81	1.7	0	0
4	0	0	0	0	0	0	0	0	1.4	1.4	0	0
5	0	0	0	0	0	0	0	0	1.4	1.2	0	0
6	0	0	0	0	0	0	0	0	1.3	1	0	0
7	0	0	0	0	0	0	0	0	.99	.93	0	0
8	0	0	0	0	0	0	0	0	.93	.88	0	0
9	0	0	0	0	0	0	0	0	.82	.82	0	0
10	0	0	0	0	0	0	0	0	.77	.71	0	0
11	0	0	0	0	0	0	0	0	.71	.61	0	0
12	0	0	0	0	0	0	0	0	.61	.34	0	0
13	0	0	0	0	0	0	0	0	.51	0	0	0
14	0	0	0	0	0	0	0	0	.56	0	0	0
15	0	0	0	0	0	0	0	0	.77	0	0	0
16	0	0	0	0	0	0	0	0	1.1	0	0	0
17	0	0	0	0	0	0	0	0	2.1	0	0	0
18	0	0	0	0	0	0	0	0	3.6	0	0	0
19	0	0	0	0	0	0	0	0	5.2	0	0	0
20	0	0	0	0	0	0	0	0	6	0	0	0
21	0	0	0	0	0	0	0	0	6.3	0	0	0
22	0	0	0	0	0	0	0	0	6.3	0	0	0
23	0	0	0	0	0	0	0	0	6	0	0	0
24	0	0	0	0	0	0	0	0	5.2	0	0	0
25	0	0	0	0	0	0	0	0	4.6	0	0	0
26	0	0	0	0	0	0	0	0	4.4	0	0	0
27	0	0	0	0	0	0	0	0	3.9	0	0	0
28	0	0	0	0	0	0	0	0	3.5	0	0	0
29	0	0	0	0	---	0	0	0	3.3	0	0	0
30	0	0	0	0	---	0	0	0	2.6	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	75.68	13.59	0	0
MEAN	0	0	0	0	0	0	0	0	2.52	.44	0	0
AC-FT	0	0	0	0	0	0	0	0	150	27	0	0
MAX	0	0	0	0	0	0	0	0	6.3	2.1	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

WTR YR 2005 TOTAL 89.27 MEAN .24 MAX 6.3 MIN 0 AC-FT 177

MAX DISCH: 7.2 CFS AT 15:00 ON June 20, 2005 GH 0.95 FT. SHIFT -.02 FT.
MAX GH: 0.95 FT. AT 15:00 ON June 20, 2005

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

06745500 CAMERON PASS DITCH AT CAMERON PASS CO
WY2005 HYDROGRAPH



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.--Weekly graphic water-stage recorder in a log shelter with a PVC well at 8 foot Parshall flume. The gage was equipped with satellite monitoring equipment on October 17, 2003. An inside electric tape to the stilling well, the primary reference, was also installed at that time. The new structure also has a 9-inch Parshall that sits side by side with the 8-foot flume. This allows winter and low flows (flows below about 4.5 cfs) to be measured. Two tables will be needed and the crest height for both flumes will be tied to the electric tape, as both flumes share a common stilling well.

REMARKS.--Hourly averages taken from satellite monitoring. October 1-November 4 satellite values from 8 foot Parshall. November 5-May 16 satellite values from 9 inch Parshall. May 17 the flumes were switched from 9 inch Parshall back to 8 foot Parshall. May 18-September 30 satellite values from the 8-foot Parshall. The record is considered good, even the winter record, now that low flows are being measured with the 9 inch flume. October 30-November 5 were estimated due to ice and problems activating the new 9 inch flume and are poor. March 22-30 and April 1-12 were estimated due to backwater from ice jams downstream. Station maintained and record developed by George Sievers.

RATING TABLE.--STD08FTPF USED FROM 01-OCT-2004 TO 04-NOV-2004
 STD09INPF USED FROM 04-NOV-2004 TO 17-MAY-2005
 STD08FTPF USED FROM 17-MAY-2005 TO 30-SEP-2005

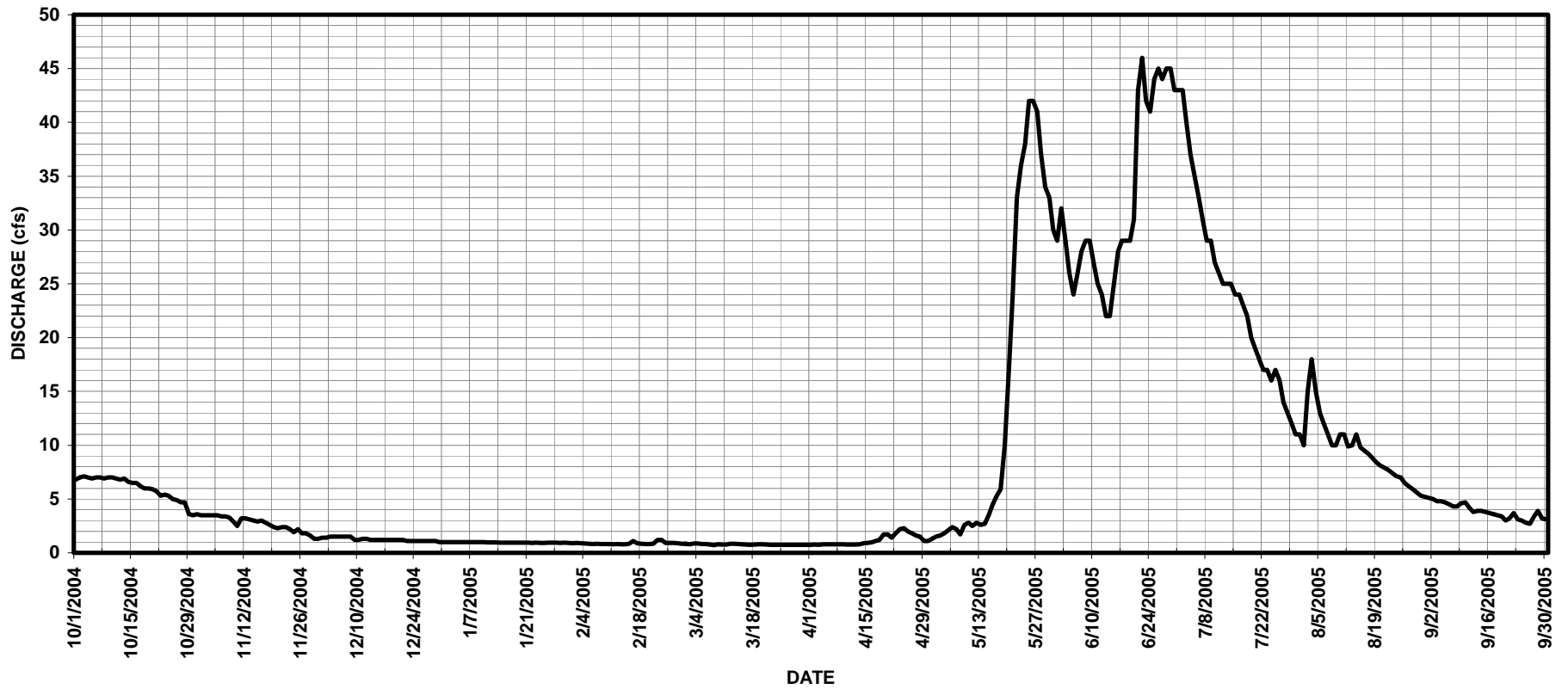
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	3.5	1.4	1	.89	.84	.75	1.3	29	43	10	5.1
2	7	3.5	1.4	1	.91	.8	.76	1.5	32	43	15	5
3	7.1	3.5	1.5	1	.9	.87	.74	1.6	29	40	18	4.8
4	7	3.5	1.5	1	.87	.87	.78	1.8	26	37	15	4.8
5	6.9	3.5	1.5	1	.85	.82	.79	2.1	24	35	13	4.7
6	7	3.4	1.5	1	.82	.82	.8	2.4	26	33	12	4.5
7	7	3.4	1.5	1	.83	.76	.8	2.2	28	31	11	4.3
8	6.9	3.3	1.5	1	.81	.72	.79	1.7	29	29	10	4.3
9	7	2.9	1.2	.99	.81	.8	.78	2.6	29	29	10	4.6
10	7	2.5	1.2	1	.81	.76	.77	2.8	27	27	11	4.7
11	6.9	3.2	1.3	.98	.8	.76	.76	2.5	25	26	11	4.2
12	6.8	3.2	1.3	.96	.81	.84	.76	2.8	24	25	9.9	3.8
13	6.9	3.1	1.2	.96	.8	.84	.8	2.6	22	25	10	3.9
14	6.6	3	1.2	.95	.8	.82	.9	2.7	22	25	11	3.9
15	6.5	2.9	1.2	.94	.83	.8	.92	3.5	25	24	9.8	3.8
16	6.5	3	1.2	.94	1.1	.76	.98	4.5	28	24	9.5	3.7
17	6.2	2.8	1.2	.94	.88	.73	1.1	5.3	29	23	9.2	3.6
18	6	2.6	1.2	.94	.83	.76	1.2	5.9	29	22	8.8	3.5
19	6	2.4	1.2	.94	.82	.78	1.7	10	29	20	8.4	3.4
20	5.9	2.3	1.2	.94	.81	.78	1.7	17	31	19	8.1	3
21	5.7	2.4	1.2	.94	.85	.76	1.4	24	43	18	7.9	3.2
22	5.3	2.4	1.1	.93	1.2	.75	1.8	33	46	17	7.7	3.7
23	5.4	2.2	1.1	.94	1.2	.75	2.2	36	42	17	7.4	3.1
24	5.3	1.9	1.1	.92	.91	.75	2.3	38	41	16	7.1	3
25	5	2.2	1.1	.93	.91	.75	2	42	44	17	7	2.8
26	4.9	1.8	1.1	.94	.92	.75	1.8	42	45	16	6.5	2.7
27	4.7	1.8	1.1	.94	.89	.75	1.6	41	44	14	6.2	3.4
28	4.7	1.6	1.1	.95	.84	.75	1.5	37	45	13	5.9	3.9
29	3.6	1.3	1.1	.93	---	.75	1.1	34	45	12	5.6	3.2
30	3.5	1.3	1	.94	---	.75	1.1	33	43	11	5.3	3.1
31	3.6	---	1	.91	---	.73	---	30	---	11	5.2	---
TOTAL	185.7	80.4	38.4	29.75	24.7	24.17	35.38	466.8	981	742	292.5	115.7
MEAN	6	2.7	1.2	.96	.88	.78	1.18	15.1	33	24	9.4	3.9
AC-FT	368	159	76	59	49	48	70	926	1950	1470	580	229
MAX	7.1	3.5	1.5	1	1.2	.87	2.3	42	46	43	18	5.1
MIN	3.5	1.3	1	.91	.8	.72	.74	1.3	22	11	5.2	2.7

WTR YR 2005 TOTAL 3016.5 MEAN 8.26 MAX 46 MIN .72 AC-FT 5980

MAX DISCH: 51 CFS AT 14:45 ON June 22, 2005 GH 1.33 FT. SHIFT 0 FT. (8 Foot Parshall)
 MAX GH: 1.81 FT. AT 12:00 ON Nov. 19, 2004 (9 Inch Parshall)

06746000 MICHIGAN DITCH AT CAMERON PASS CO
WY2005 HYDROGRAPH



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.--No water run in Water Year 2005. Station maintained and record developed by George Sievers.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

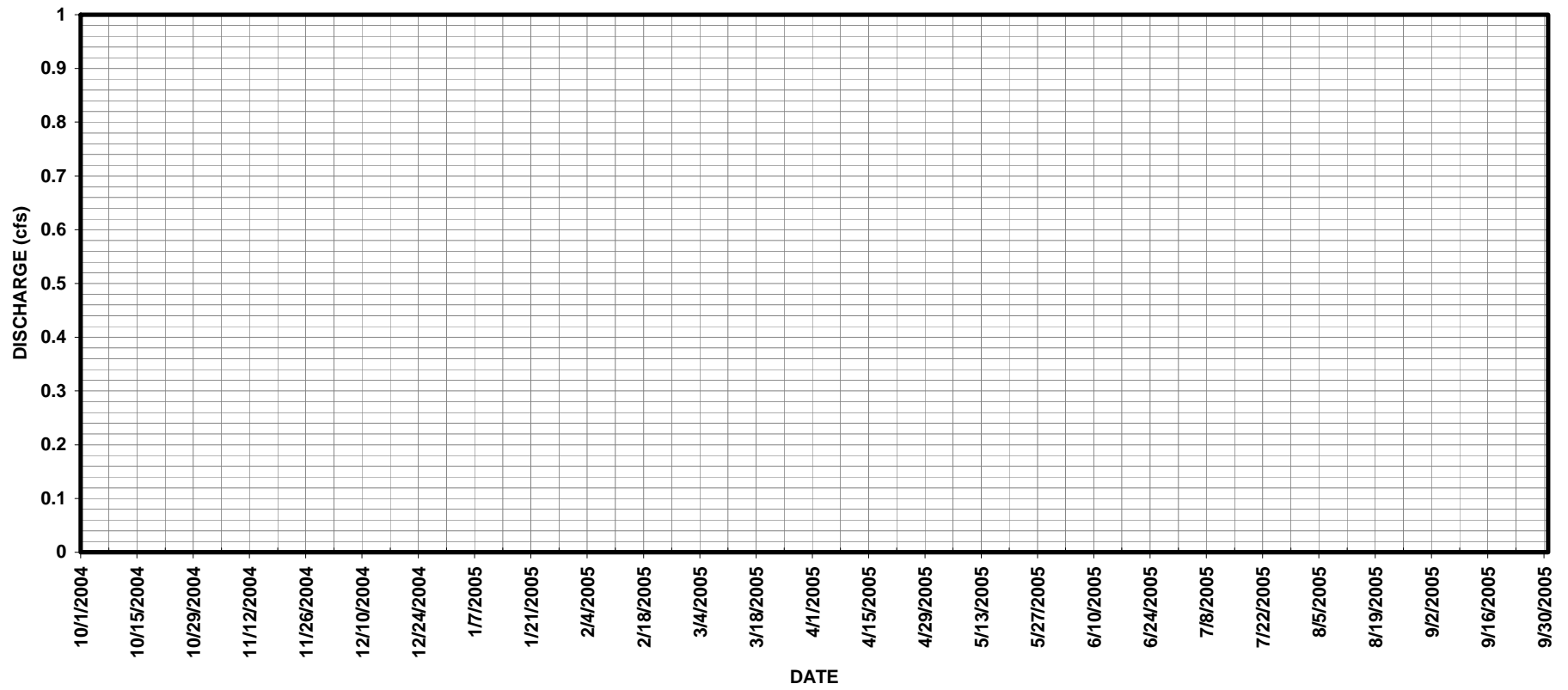
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

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 2004	TOTAL		0	MEAN		0	MAX		0	AC-FT		0
WTR YR 2005	TOTAL		0	MEAN		0	MAX		0	AC-FT		0

MAX DISCH: 0 CFS
MAX GH: 0 FT.

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

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE CO
WY2005 HYDROGRAPH



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 a 10 foot Parshall flume. The gage is referenced with a drop tape from an IG reference point. There is also an outside staff gage that we replaced on May 1, 2004 when the DCP was installed.

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 5 because we anticipated the tunnel turning on early. The DCP ran perfectly all summer. Record is good. Station maintained and record developed by George Sievers.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

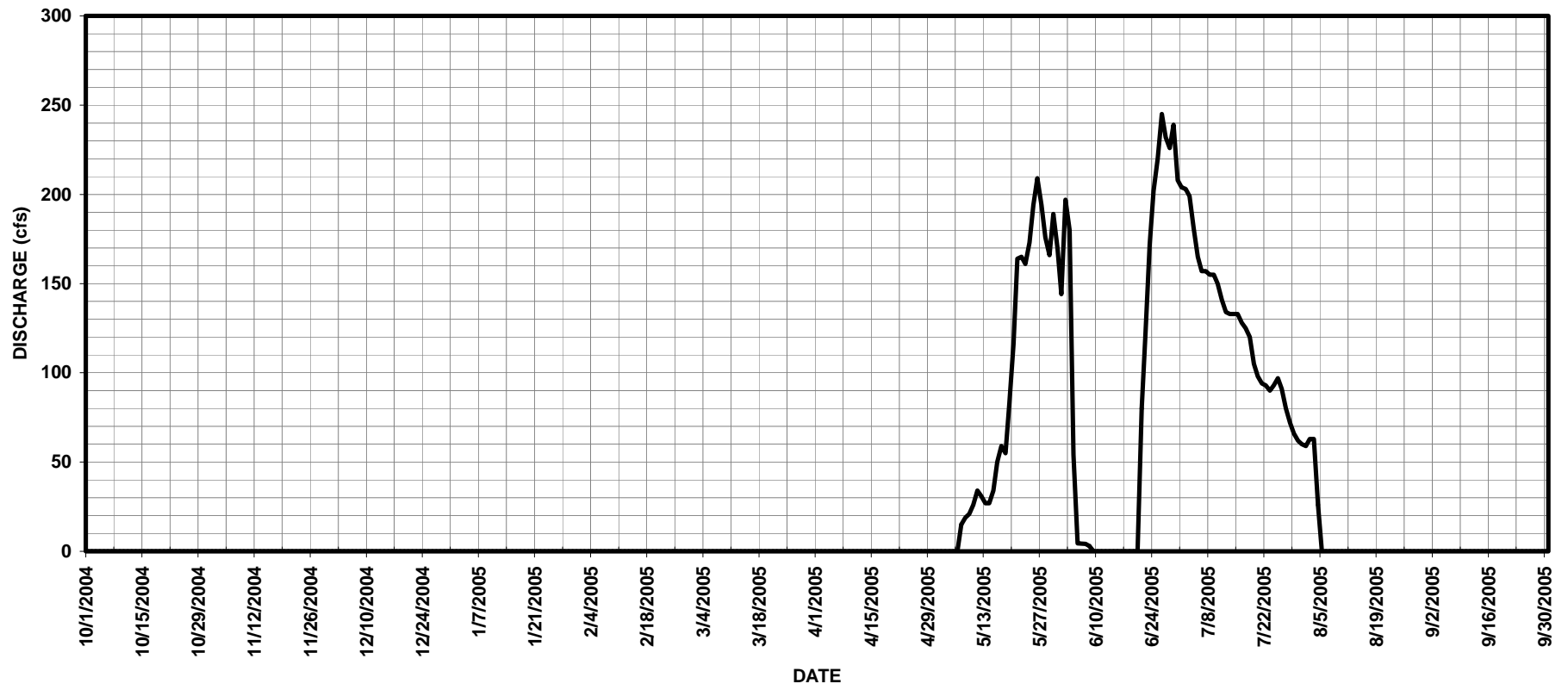
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	144	204	59	0
2	0	0	0	0	0	0	0	0	197	203	63	0
3	0	0	0	0	0	0	0	0	180	199	63	0
4	0	0	0	0	0	0	0	0	54	181	26	0
5	0	0	0	0	0	0	0	0	4.5	165	0	0
6	0	0	0	0	0	0	0	0	4.3	157	0	0
7	0	0	0	0	0	0	0	15	4.2	157	0	0
8	0	0	0	0	0	0	0	19	3	155	0	0
9	0	0	0	0	0	0	0	21	0	155	0	0
10	0	0	0	0	0	0	0	26	0	150	0	0
11	0	0	0	0	0	0	0	34	0	141	0	0
12	0	0	0	0	0	0	0	31	0	134	0	0
13	0	0	0	0	0	0	0	27	0	133	0	0
14	0	0	0	0	0	0	0	27	0	133	0	0
15	0	0	0	0	0	0	0	34	0	133	0	0
16	0	0	0	0	0	0	0	50	0	128	0	0
17	0	0	0	0	0	0	0	59	0	125	0	0
18	0	0	0	0	0	0	0	55	0	120	0	0
19	0	0	0	0	0	0	0	83	0	105	0	0
20	0	0	0	0	0	0	0	116	0	98	0	0
21	0	0	0	0	0	0	0	164	80	94	0	0
22	0	0	0	0	0	0	0	165	123	93	0	0
23	0	0	0	0	0	0	0	161	172	90	0	0
24	0	0	0	0	0	0	0	173	202	93	0	0
25	0	0	0	0	0	0	0	194	220	97	0	0
26	0	0	0	0	0	0	0	209	245	91	0	0
27	0	0	0	0	0	0	0	194	232	80	0	0
28	0	0	0	0	0	0	0	176	226	72	0	0
29	0	0	0	0	---	0	0	166	239	66	0	0
30	0	0	0	0	---	0	0	189	208	62	0	0
31	0	---	0	0	---	0	---	170	---	60	0	---
TOTAL	0	0	0	0	0	0	0	2558	2538	3874	211	0
MEAN	0	0	0	0	0	0	0	82.5	84.6	125	6.81	0
AC-FT	0	0	0	0	0	0	0	5070	5030	7680	419	0
MAX	0	0	0	0	0	0	0	209	245	204	63	0
MIN	0	0	0	0	0	0	0	0	0	60	0	0

WTR YR 2005 TOTAL 9181 MEAN 25.2 MAX 245 MIN 0 AC-FT 18210

MAX DISCH: 257 CFS AT 19:00 ON Jun. 25, 2005 GH 3.23 FT. SHIFT 0 FT.
MAX GH: 3.23 FT. AT 19:00 ON Jun. 25, 2005

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

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE CO
WY2005 HYDROGRAPH



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.--Stevens F-type graphic water-stage recorder in a metal shelter with stilling well at a 3-foot Parshall flume. The staff in the flume is the only reference point.

REMARKS.--Primary record was taken from mean daily chart gage heights. Access to this gage is very difficult. The gage was dug out and the recorder was installed on May 2, 2005, but water did not flow in the ditch until May 3. Water diverted from May 3 until July 1, 2005. Data were unreliable May 3-17 due to problems or errors setting the gage at near zero flow. Gage height was reliably set May 17-31, but the recorder clock stopped frequently on cold mornings. Chart times were also less than reliable from June 1 to July 1, despite the electric clock having been replaced with a wind up type on May 31. The spring clock lost an average of an hour a day, and was entirely stopped June 20-22 and June 26-July 1. The entire record including the peak flow should be considered estimated and poor due to problems with the chart recorder clock. Record developed by George Sievers.

RATING TABLE.--STD03FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

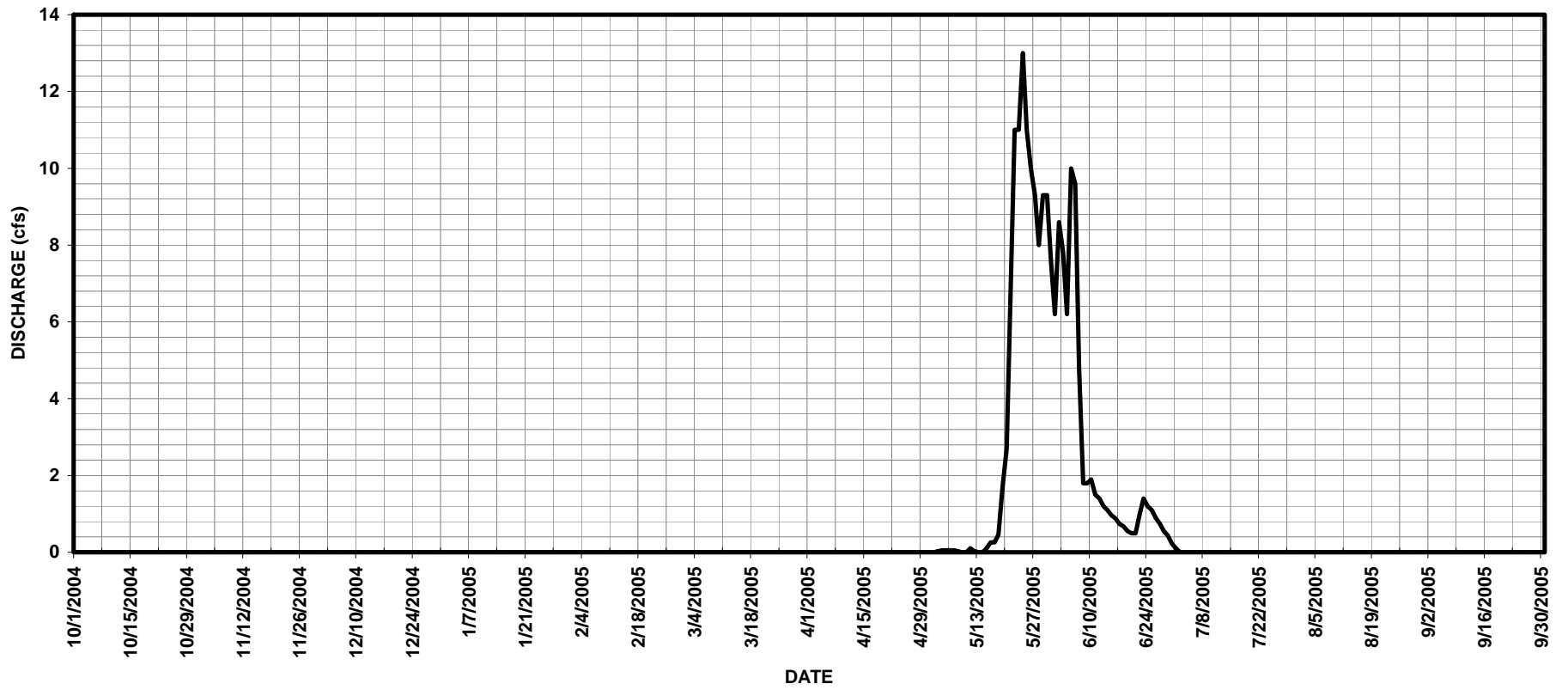
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	6.2	.1	0	0
2	0	0	0	0	0	0	0	0	8.6	0	0	0
3	0	0	0	0	0	0	0	.03	7.8	0	0	0
4	0	0	0	0	0	0	0	.05	6.2	0	0	0
5	0	0	0	0	0	0	0	.05	10	0	0	0
6	0	0	0	0	0	0	0	.05	9.6	0	0	0
7	0	0	0	0	0	0	0	.05	4.8	0	0	0
8	0	0	0	0	0	0	0	.02	1.8	0	0	0
9	0	0	0	0	0	0	0	0	1.8	0	0	0
10	0	0	0	0	0	0	0	0	1.9	0	0	0
11	0	0	0	0	0	0	0	.1	1.5	0	0	0
12	0	0	0	0	0	0	0	.03	1.4	0	0	0
13	0	0	0	0	0	0	0	0	1.2	0	0	0
14	0	0	0	0	0	0	0	0	1.1	0	0	0
15	0	0	0	0	0	0	0	.1	.96	0	0	0
16	0	0	0	0	0	0	0	.26	.88	0	0	0
17	0	0	0	0	0	0	0	.26	.74	0	0	0
18	0	0	0	0	0	0	0	.46	.68	0	0	0
19	0	0	0	0	0	0	0	1.7	.55	0	0	0
20	0	0	0	0	0	0	0	2.7	.49	0	0	0
21	0	0	0	0	0	0	0	6.7	.49	0	0	0
22	0	0	0	0	0	0	0	11	.99	0	0	0
23	0	0	0	0	0	0	0	11	1.4	0	0	0
24	0	0	0	0	0	0	0	13	1.2	0	0	0
25	0	0	0	0	0	0	0	11	1.1	0	0	0
26	0	0	0	0	0	0	0	10	.89	0	0	0
27	0	0	0	0	0	0	0	9.3	.75	0	0	0
28	0	0	0	0	0	0	0	8	.55	0	0	0
29	0	0	0	0	---	0	0	9.3	.43	0	0	0
30	0	0	0	0	---	0	0	9.3	.23	0	0	0
31	0	---	0	0	---	0	---	7.6	---	0	0	---
TOTAL	0	0	0	0	0	0	0	112.06	76.23	.1	0	0
MEAN	0	0	0	0	0	0	0	3.61	2.54	0	0	0
AC-FT	0	0	0	0	0	0	0	222	151	.2	0	0
MAX	0	0	0	0	0	0	0	13	10	.1	0	0
MIN	0	0	0	0	0	0	0	0	.23	0	0	0

WTR YR 2005 TOTAL 188.39 MEAN .52 MAX 13 MIN 0 AC-FT 374

MAX DISCH: 25.6 CFS AT 17:30 ON May. 21, 2005 GH 1.62 FT. SHIFT 0 FT.
MAX GH: 1.62 FT. AT 17:30 ON May. 21, 2005

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

**BOB CREEK DITCH NEAR GLENDEVEY CO
WY2005 HYDROGRAPH**



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 a 6 foot Parshall flume. The recorder is in a steel shelter and the gage is referenced with an outside staff gage in the flume.

REMARKS.--The primary record is mean daily gage heights from the chart. The record is complete and reliable, except for the period: April 26-May 17. These days when the float was frozen or there was very little flow were computed from a few good gage height days and estimates. On June 6, the chart was pulled but not replaced until June 8; therefore, these three days were also estimated. The gage height record is worked by the District 3 water commissioner, George Varra, and checked by George Sievers. Record is good, except for April 27-May 17, and June 6-8 which were estimated. Water was run from April 27 until July 18, 2005. Record developed by George Varra and George Sievers.

RATING TABLE.--DEADCPC001 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

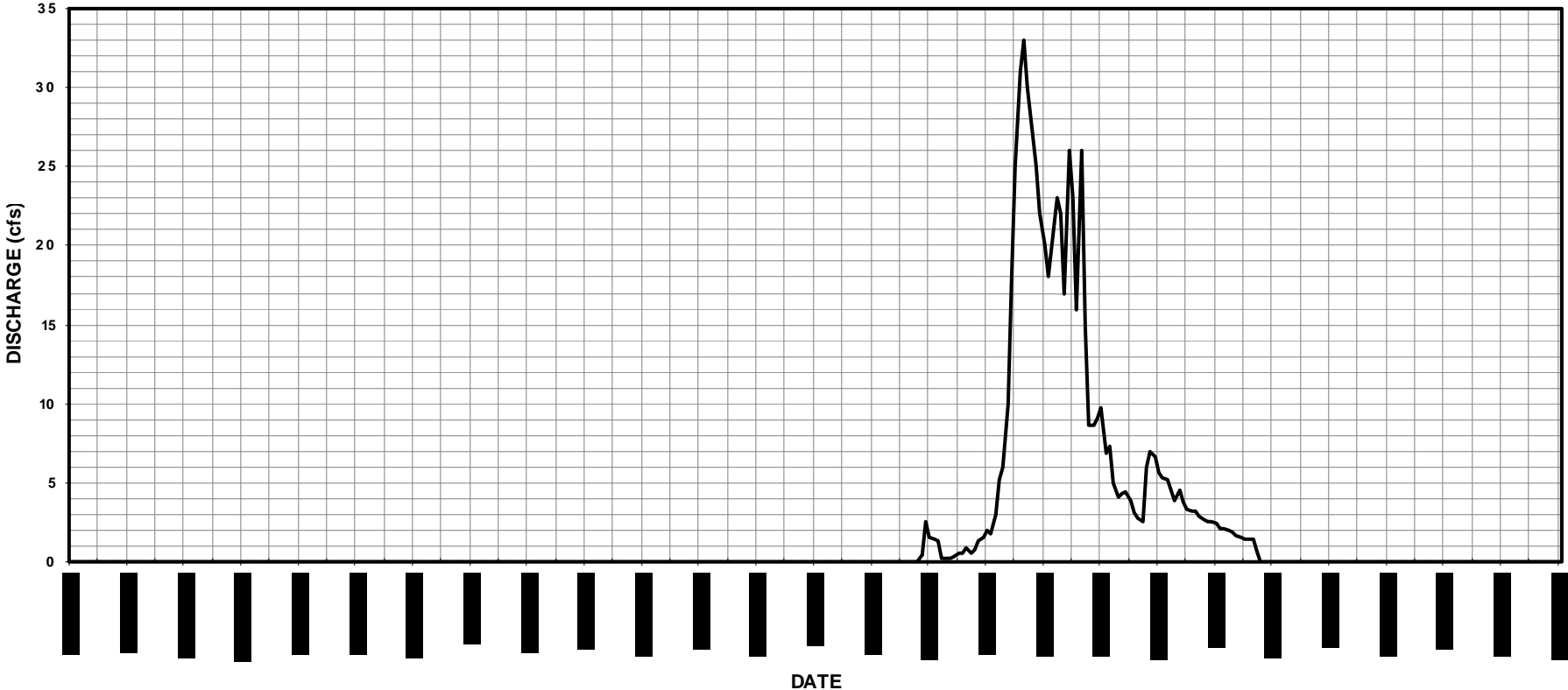
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	1.3	17	3.3	0	0
2	0	0	0	0	0	0	0	.2	26	3.2	0	0
3	0	0	0	0	0	0	0	.2	23	3.2	0	0
4	0	0	0	0	0	0	0	.2	16	2.9	0	0
5	0	0	0	0	0	0	0	.35	26	2.7	0	0
6	0	0	0	0	0	0	0	.52	15	2.5	0	0
7	0	0	0	0	0	0	0	.52	8.6	2.5	0	0
8	0	0	0	0	0	0	0	.86	8.6	2.4	0	0
9	0	0	0	0	0	0	0	.52	9.1	2.1	0	0
10	0	0	0	0	0	0	0	.77	9.7	2.1	0	0
11	0	0	0	0	0	0	0	1.3	6.9	2	0	0
12	0	0	0	0	0	0	0	1.6	7.3	1.9	0	0
13	0	0	0	0	0	0	0	2	5	1.7	0	0
14	0	0	0	0	0	0	0	1.8	4.1	1.5	0	0
15	0	0	0	0	0	0	0	3	4.3	1.4	0	0
16	0	0	0	0	0	0	0	5.2	4.4	1.4	0	0
17	0	0	0	0	0	0	0	6	3.9	1.4	0	0
18	0	0	0	0	0	0	0	10	3.1	.69	0	0
19	0	0	0	0	0	0	0	18	2.8	0	0	0
20	0	0	0	0	0	0	0	25	2.5	0	0	0
21	0	0	0	0	0	0	0	31	6	0	0	0
22	0	0	0	0	0	0	0	33	7	0	0	0
23	0	0	0	0	0	0	0	30	6.6	0	0	0
24	0	0	0	0	0	0	0	27	5.7	0	0	0
25	0	0	0	0	0	0	0	25	5.3	0	0	0
26	0	0	0	0	0	0	0	22	5.2	0	0	0
27	0	0	0	0	0	0	.49	20	4.5	0	0	0
28	0	0	0	0	0	0	2.5	18	3.9	0	0	0
29	0	0	0	0	---	0	1.6	20	4.5	0	0	0
30	0	0	0	0	---	0	1.4	23	3.8	0	0	0
31	0	---	0	0	---	0	---	22	---	0	0	---
TOTAL	0	0	0	0	0	0	5.99	350.34	255.8	38.89	0	0
MEAN	0	0	0	0	0	0	.2	11.3	8.5	1.25	0	0
AC-FT	0	0	0	0	0	0	12	695	507	77	0	0
MAX	0	0	0	0	0	0	2.5	33	26	3.3	0	0
MIN	0	0	0	0	0	0	0	.2	2.5	0	0	0

WTR YR 2005 TOTAL 651.02 MEAN 1.78 MAX 33 MIN 0 AC-FT 1290

MAX DISCH: 59.7 CFS AT 17:30 ON May 21, 2005 GH 1.77 FT. SHIFT 0 FT.
MAX GH: 1.77 FT. AT 17:30 ON May 21, 2005

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

DEADMAN DITCH NEAR DEADMAN PARK CO
WY2005 HYDROGRAPH



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 the hourly data taken from satellite monitoring, with the chart as a back up. The data is complete and reliable, except for May 5-9. There is no chart after July 18. On May 5, the recorder was installed, however the new ditch superintendent was not familiar with the equipment. The clock wasn't wound and the gage height wasn't set properly. During this short period of very low flow, the chart provided enough information to make estimates. The satellite equipment was installed on May 9, and the ditch superintendent was brought up to speed on the recorder and shaft encoder. The shaft encoder tracked the ditch diversion perfectly. Water Commissioner George Varra works the chart record, and his figures are used as a check for the published figures developed from the DCP data. Record is good, except for the short period of May 5-9. This period of low flow when the recorder clock was not running properly shows very little change in gage height and might be considered at least "fair." Water was run from May 5-July 19, when the ditch was shut off. Record developed by George Sievers and George Varra.

RATING TABLE.--WSDEARCO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

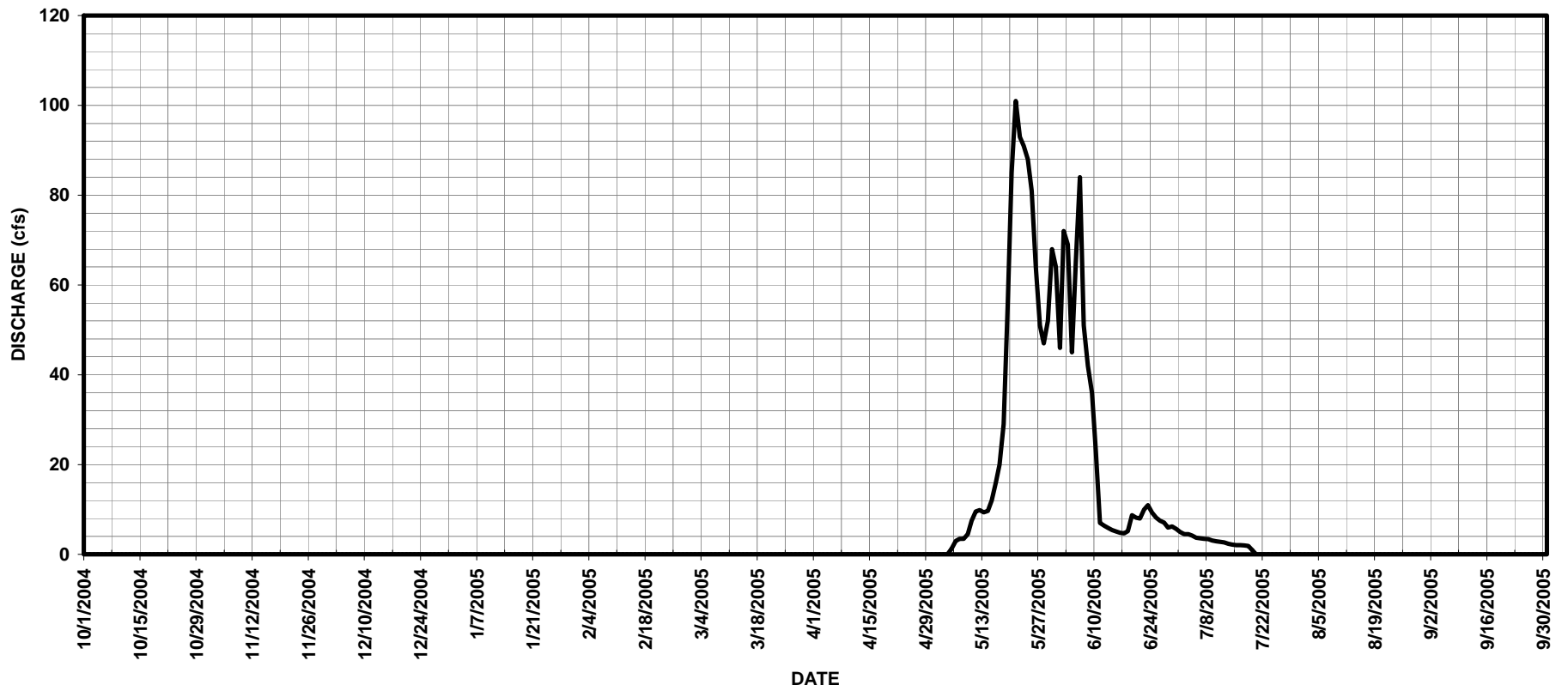
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	46	5	0	0
2	0	0	0	0	0	0	0	0	72	4.5	0	0
3	0	0	0	0	0	0	0	0	69	4.5	0	0
4	0	0	0	0	0	0	0	0	45	4.2	0	0
5	0	0	0	0	0	0	0	1.3	65	3.7	0	0
6	0	0	0	0	0	0	0	3	84	3.6	0	0
7	0	0	0	0	0	0	0	3.5	51	3.5	0	0
8	0	0	0	0	0	0	0	3.5	42	3.4	0	0
9	0	0	0	0	0	0	0	4.5	36	3.1	0	0
10	0	0	0	0	0	0	0	7.5	23	2.9	0	0
11	0	0	0	0	0	0	0	9.6	7	2.8	0	0
12	0	0	0	0	0	0	0	9.9	6.4	2.7	0	0
13	0	0	0	0	0	0	0	9.4	5.9	2.4	0	0
14	0	0	0	0	0	0	0	9.7	5.4	2.2	0	0
15	0	0	0	0	0	0	0	12	5.1	2.1	0	0
16	0	0	0	0	0	0	0	16	4.8	2.1	0	0
17	0	0	0	0	0	0	0	20	4.7	2	0	0
18	0	0	0	0	0	0	0	29	5.2	1.9	0	0
19	0	0	0	0	0	0	0	56	8.7	.97	0	0
20	0	0	0	0	0	0	0	85	8.2	0	0	0
21	0	0	0	0	0	0	0	101	8	0	0	0
22	0	0	0	0	0	0	0	93	10	0	0	0
23	0	0	0	0	0	0	0	91	11	0	0	0
24	0	0	0	0	0	0	0	88	9.3	0	0	0
25	0	0	0	0	0	0	0	81	8.2	0	0	0
26	0	0	0	0	0	0	0	64	7.5	0	0	0
27	0	0	0	0	0	0	0	51	7.1	0	0	0
28	0	0	0	0	0	0	0	47	6	0	0	0
29	0	0	0	0	---	0	0	52	6.2	0	0	0
30	0	0	0	0	---	0	0	68	5.7	0	0	0
31	0	---	0	0	---	0	---	64	---	0	0	---
TOTAL	0	0	0	0	0	0	0	1079.9	673.4	57.57	0	0
MEAN	0	0	0	0	0	0	0	34.8	22.4	1.86	0	0
AC-FT	0	0	0	0	0	0	0	2140	1340	114	0	0
MAX	0	0	0	0	0	0	0	101	84	5	0	0
MIN	0	0	0	0	0	0	0	0	4.7	0	0	0

WTR YR 2005 TOTAL 1810.87 MEAN 4.96 MAX 101 MIN 0 AC-FT 3590

MAX DISCH: 147 CFS AT 17:45 ON May. 21, 2005 GH 2.28 FT. SHIFT 0 FT.
MAX GH: 2.28 FT. AT 17:45 ON May. 21, 2005

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR CO
WY2005 HYDROGRAPH



REPUBLICAN RIVER BASIN

PIONEER DITCH AT HEADGATE NEAR LAIRD, CO

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

DRAINAGE AREA.--N/A

GAGE.--Type-F weekly graphic recorder and a high data rate Satellite Monitoring DCP, in metal box enclosure and well section at a 5-foot Parshall flume. The flume is installed in concrete canal section and is referenced with an outside staff.

REMARKS.--The record is taken from hourly satellite readings, with chart back up. The record is complete and reliable. April 20th when the ditch turned on, the floats were sitting on the mud and a 0.09 datum correction was made to the DCP at 17:00 that afternoon. The recorder float was backwards from April 20 until the morning of May 3. The satellite data were complete during this period so this wasn't a problem. The record is supported by daily calibration visits recorded on visit sheets. Twenty-six encoder adjustments of ± .01 ft were applied to the record--each datum correction only needed to apply back a day or two. Two corrections, -.09 on April 20 and +.05 on August 20 were required when the SE float had problems. The canal was off from October 16, 2004, to April 19, 2005. The record is good. Station maintained and record developed by Div. 1 Hydrographic Staff.

RATING TABLE.--STD05FTPF USED FROM 01-OCT-2004 TO 15-OCT-2004
 STD05FTPF USED FROM 19-APR-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

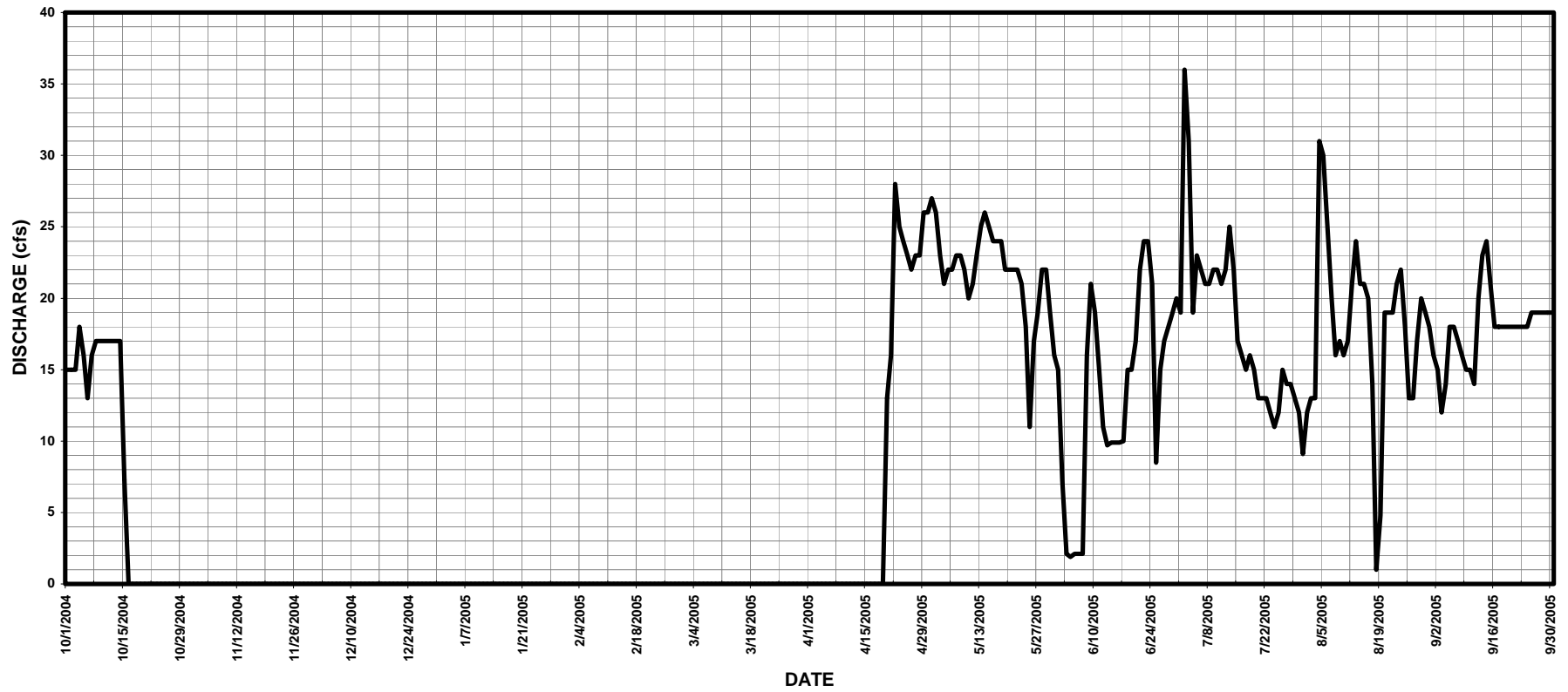
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	0	0	0	0	0	0	27	15	19	12	16
2	15	0	0	0	0	0	0	26	7.2	36	13	15
3	15	0	0	0	0	0	0	23	2.1	31	13	12
4	18	0	0	0	0	0	0	21	1.9	19	31	14
5	16	0	0	0	0	0	0	22	2.1	23	30	18
6	13	0	0	0	0	0	0	22	2.1	22	25	18
7	16	0	0	0	0	0	0	23	2.1	21	20	17
8	17	0	0	0	0	0	0	23	16	21	16	16
9	17	0	0	0	0	0	0	22	21	22	17	15
10	17	0	0	0	0	0	0	20	19	22	16	15
11	17	0	0	0	0	0	0	21	15	21	17	14
12	17	0	0	0	0	0	0	23	11	22	21	20
13	17	0	0	0	0	0	0	25	9.7	25	24	23
14	17	0	0	0	0	0	0	26	9.9	22	21	24
15	7.3	0	0	0	0	0	0	25	9.9	17	21	21
16	0	0	0	0	0	0	0	24	9.9	16	20	18
17	0	0	0	0	0	0	0	24	10	15	14	18
18	0	0	0	0	0	0	0	24	15	16	1	18
19	0	0	0	0	0	0	0	22	15	15	4.8	18
20	0	0	0	0	0	0	13	22	17	13	19	18
21	0	0	0	0	0	0	16	22	22	13	19	18
22	0	0	0	0	0	0	28	22	24	13	19	18
23	0	0	0	0	0	0	25	21	24	12	21	18
24	0	0	0	0	0	0	24	18	21	11	22	18
25	0	0	0	0	0	0	23	11	8.5	12	18	19
26	0	0	0	0	0	0	22	17	15	15	13	19
27	0	0	0	0	0	0	23	19	17	14	13	19
28	0	0	0	0	0	0	23	22	18	14	17	19
29	0	0	0	0	---	0	26	22	19	13	20	19
30	0	0	0	0	---	0	26	19	20	12	19	19
31	0	---	0	0	---	0	---	16	---	9.1	18	---
TOTAL	234.3	0	0	0	0	0	249	674	399.4	556.1	554.8	534
MEAN	7.56	0	0	0	0	0	8.3	22	13.3	17.9	17.9	18
AC-FT	465	0	0	0	0	0	494	1340	792	1100	1100	1060
MAX	18	0	0	0	0	0	28	27	24	36	31	24
MIN	0	0	0	0	0	0	0	11	1.9	9.1	1	12

WTR YR 2005 TOTAL 3201.6 MEAN 8.77 MAX 36 MIN 0 AC-FT 6350

MAX DISCH: 44.3 CFS AT 07:00 ON Jul. 2, 2005 GH 1.69 FT. SHIFT -0.05 FT. DATUM CORRECTION +0.01
 MAX GH: 1.69 FT. AT 07:00 ON Jul. 2, 2005

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

PIONEER DITCH AT HEADGATE NEAR LAIRD CO
WY2005 HYDROGRAPH



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 and a Sutron High Data Rate DCP in metal box and well. The site is equipped with a 4-foot Parshall Flume with two outside vertical enameled steel staffs (Ha-Hb, with the Hb staff set with 4.0 ft = 0.0). The Ha staff is the primary reference. Station maintained by Pioneer Ditch Company.

REMARKS.--The record is hourly data taken from satellite monitoring, with the chart as back-up. The record is complete. The ditch did not run October 16, 2004 through April 19, 2005. Thirty-five small datum corrections were applied, using water commissioner visits to guide the proration. Both the chart and SE floats were beached (in well mud) well above zero GH when flow was off. Some spurious corrections were generated by this. The record is good. Station maintained and record developed by Div. 1 Hydrographic Staff.

RATING TABLE.--STD04FTPF USED FROM 01-OCT-2004 TO 15-OCT-2004
 STD04FTPF USED FROM 20-APR-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

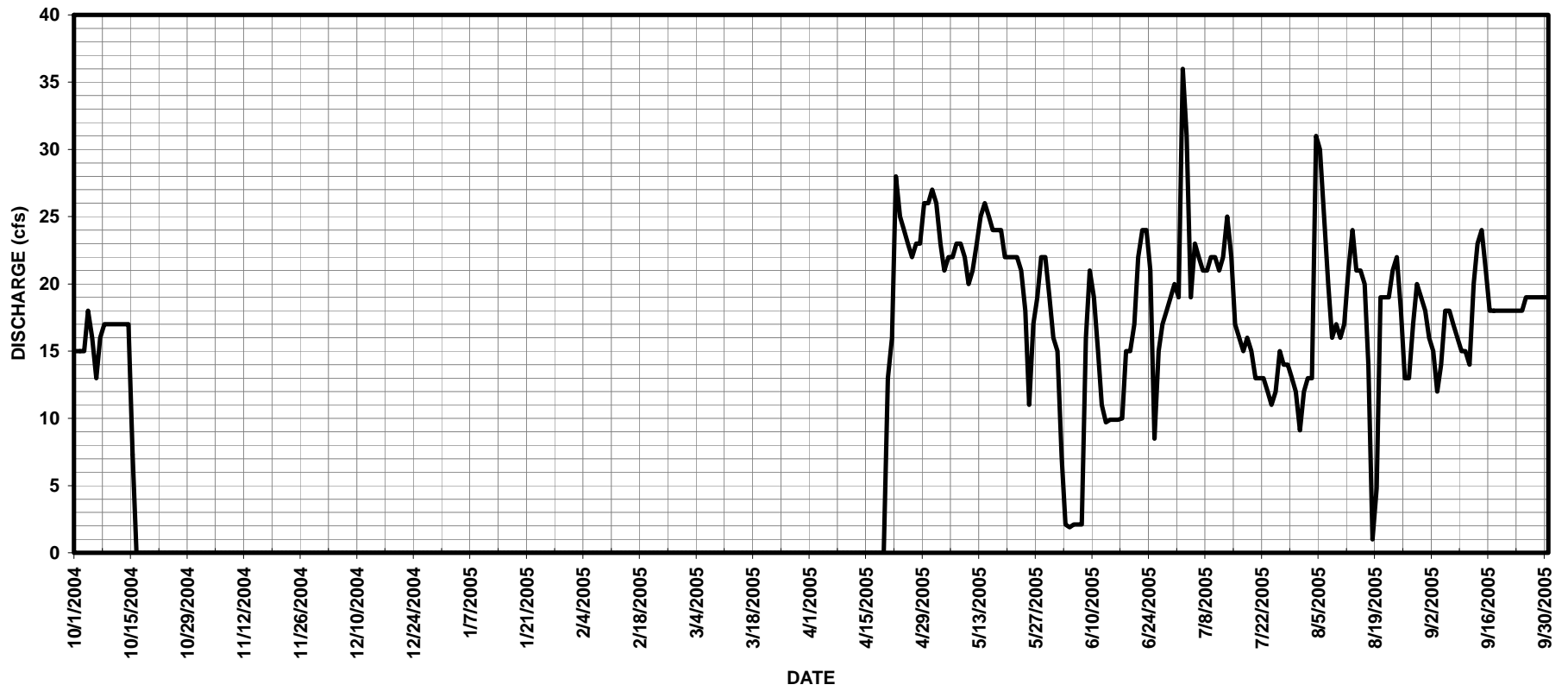
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	0	0	0	0	0	0	23	13	10	6.9	10
2	10	0	0	0	0	0	0	22	8.9	20	8.1	12
3	9.3	0	0	0	0	0	0	17	2.1	21	8.1	11
4	10	0	0	0	0	0	0	13	1.9	21	11	5.9
5	9.8	0	0	0	0	0	0	14	1.6	13	10	8.4
6	7.4	0	0	0	0	0	0	15	1.7	13	9.9	11
7	7.7	0	0	0	0	0	0	14	1.6	13	12	10
8	11	0	0	0	0	0	0	15	8.6	13	9.2	11
9	11	0	0	0	0	0	0	15	18	13	11	11
10	10	0	0	0	0	0	0	14	17	14	11	11
11	9.2	0	0	0	0	0	0	16	15	16	12	10
12	9.3	0	0	0	0	0	0	17	11	16	13	11
13	10	0	0	0	0	0	0	15	9.3	19	21	13
14	10	0	0	0	0	0	0	15	8.4	18	14	13
15	7.3	0	0	0	0	0	0	15	8.5	13	14	14
16	0	0	0	0	0	0	0	14	8.3	11	15	12
17	0	0	0	0	0	0	0	13	8.1	7.3	15	13
18	0	0	0	0	0	0	0	14	9.4	9.5	2	12
19	0	0	0	0	0	0	0	14	13	8.4	.24	11
20	0	0	0	0	0	0	2.8	13	12	7.7	12	9
21	0	0	0	0	0	0	12	14	16	7.2	9.4	7.2
22	0	0	0	0	0	0	20	15	14	7.8	5.9	7.3
23	0	0	0	0	0	0	16	16	12	6.6	7.7	8.5
24	0	0	0	0	0	0	15	18	11	7.8	9	11
25	0	0	0	0	0	0	18	11	6.8	9.1	8.8	11
26	0	0	0	0	0	0	18	15	9.3	10	6	12
27	0	0	0	0	0	0	16	14	7.8	11	6	11
28	0	0	0	0	0	0	17	16	8.7	10	8.3	8.2
29	0	0	0	0	---	0	22	16	9.4	9.3	12	9.1
30	0	0	0	0	---	0	23	16	11	7.5	11	8.8
31	0	---	0	0	---	0	---	14	---	5.3	11	---
TOTAL	142	0	0	0	0	0	179.8	473	283.4	368.5	310.54	313.4
MEAN	4.58	0	0	0	0	0	5.99	15	9.5	11.9	10	10.4
AC-FT	282	0	0	0	0	0	357	938	562	731	616	622
MAX	11	0	0	0	0	0	23	23	18	21	21	14
MIN	0	0	0	0	0	0	0	11	1.6	5.3	.24	5.9

WTR YR 2005 TOTAL 2070.64 MEAN 5.67 MAX 23 MIN 0 AC-FT 4110

MAX DISCH: 50.4 CFS AT 21:45 ON Jul. 4, 2005 GH 2.01 FT. SHIFT 0.06 FT.
 MAX GH: 2.01 FT. AT 21:45 ON Jul. 4, 2005

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

PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

07082500 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.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron high data rate SatLink Logger) and shaft encoder in 42-inch diameter corrugated metal pipe (CMP) shelter and concrete well. Shaft encoder and chart set to inside electric tape gage mounted on instrument shelf. Satellite data are primary record (graphic chart record is used for back-up purposes). Outside staff gage also used for reference purpose. Shelter is equipped with AC power for well heater. Control is a concrete weir with ogee lip, tapered lower from the left to right bank, located at the gage. Elevation of gage is 9,720 ft. from topographic map.

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

RATING TABLE.--LFCBSLCO04A USED FROM 01-OCT-2004 TO 30-SEP-2005

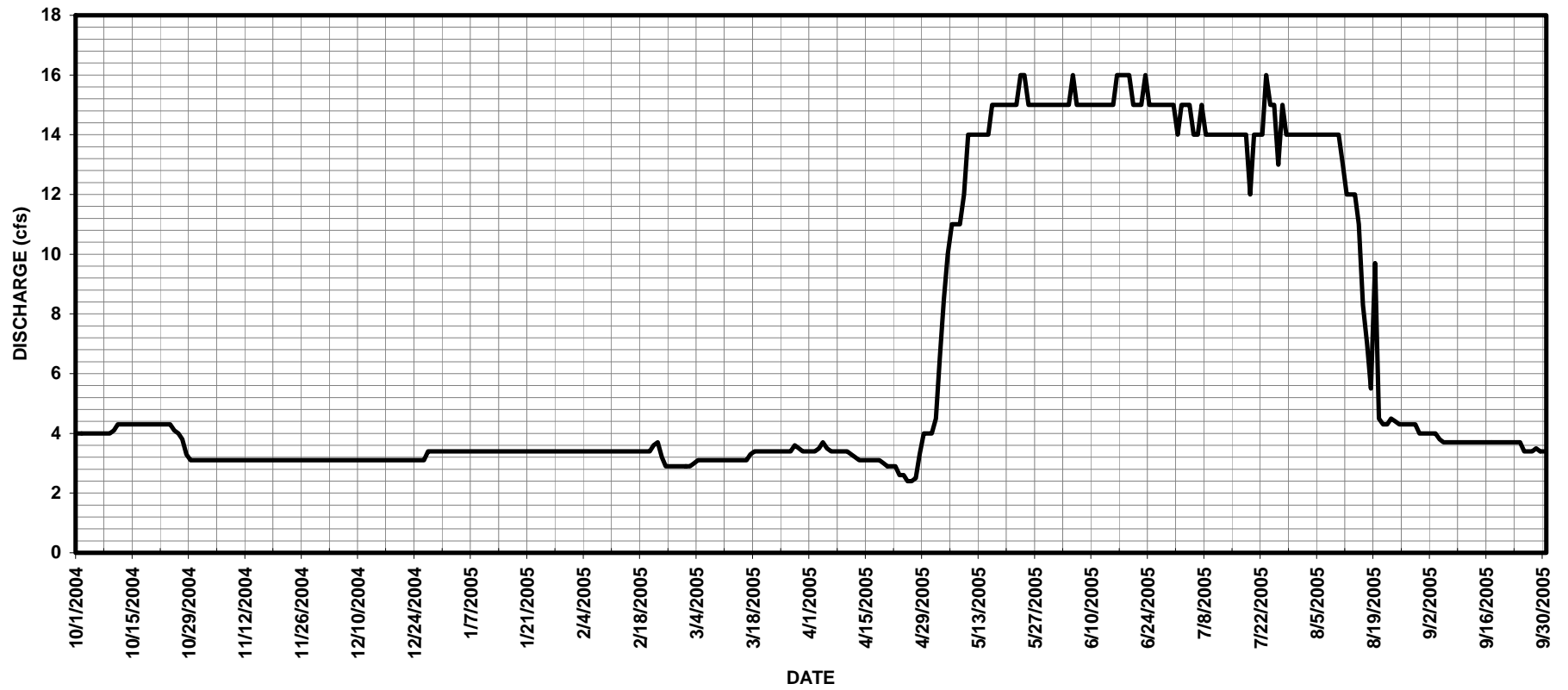
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4	3.1	3.1	3.4	3.4	2.9	3.4	4	15	14	14	4
2	4	3.1	3.1	3.4	3.4	2.9	3.4	4.5	15	15	14	4
3	4	3.1	3.1	3.4	3.4	3	3.5	6.5	15	15	14	4
4	4	3.1	3.1	3.4	3.4	3.1	3.7	8.5	15	15	14	3.8
5	4	3.1	3.1	3.4	3.4	3.1	3.5	10	16	14	14	3.7
6	4	3.1	3.1	3.4	3.4	3.1	3.4	11	15	14	14	3.7
7	4	3.1	3.1	3.4	3.4	3.1	3.4	11	15	15	14	3.7
8	4	3.1	3.1	3.4	3.4	3.1	3.4	11	15	14	14	3.7
9	4	3.1	3.1	3.4	3.4	3.1	3.4	12	15	14	14	3.7
10	4.1	3.1	3.1	3.4	3.4	3.1	3.4	14	15	14	14	3.7
11	4.3	3.1	3.1	3.4	3.4	3.1	3.3	14	15	14	13	3.7
12	4.3	3.1	3.1	3.4	3.4	3.1	3.2	14	15	14	12	3.7
13	4.3	3.1	3.1	3.4	3.4	3.1	3.1	14	15	14	12	3.7
14	4.3	3.1	3.1	3.4	3.4	3.1	3.1	14	15	14	12	3.7
15	4.3	3.1	3.1	3.4	3.4	3.1	3.1	14	15	14	11	3.7
16	4.3	3.1	3.1	3.4	3.4	3.1	3.1	15	16	14	8.3	3.7
17	4.3	3.1	3.1	3.4	3.4	3.3	3.1	15	16	14	7	3.7
18	4.3	3.1	3.1	3.4	3.4	3.4	3.1	15	16	14	5.5	3.7
19	4.3	3.1	3.1	3.4	3.4	3.4	3	15	16	12	9.7	3.7
20	4.3	3.1	3.1	3.4	3.4	3.4	2.9	15	15	14	4.5	3.7
21	4.3	3.1	3.1	3.4	3.6	3.4	2.9	15	15	14	4.3	3.7
22	4.3	3.1	3.1	3.4	3.7	3.4	2.9	15	15	14	4.3	3.7
23	4.3	3.1	3.1	3.4	3.2	3.4	2.6	16	16	16	4.5	3.7
24	4.3	3.1	3.1	3.4	2.9	3.4	2.6	16	15	15	4.4	3.7
25	4.1	3.1	3.1	3.4	2.9	3.4	2.4	15	15	15	4.3	3.4
26	4	3.1	3.1	3.4	2.9	3.4	2.4	15	15	13	4.3	3.4
27	3.8	3.1	3.4	3.4	2.9	3.4	2.5	15	15	15	4.3	3.4
28	3.3	3.1	3.4	3.4	2.9	3.6	3.3	15	15	14	4.3	3.5
29	3.1	3.1	3.4	3.4	---	3.5	4	15	15	14	4.3	3.4
30	3.1	3.1	3.4	3.4	---	3.4	4	15	15	14	4	3.4
31	3.1	---	3.4	3.4	---	3.4	---	15	---	14	4	---
TOTAL	124.8	93	97.6	105.4	93	100.3	95.1	404.5	456	440	282	110.3
MEAN	4	3.1	3.2	3.4	3.3	3.2	3.2	13	15	14	9.1	3.7
AC-FT	248	184	194	209	184	199	189	802	904	873	559	219
MAX	4.3	3.1	3.4	3.4	3.7	3.6	4	16	16	16	14	4
MIN	3.1	3.1	3.1	3.4	2.9	2.9	2.4	4	15	12	4	3.4
CAL YR 2004	TOTAL		3148.3	MEAN	8.60	MAX	17	MIN	3.1	AC-FT	6240	
WTR YR 2005	TOTAL		2402	MEAN	6.58	MAX	16	MIN	2.4	AC-FT	4760	

MAX DISCH: 21.9 CFS AT 11:30 ON Jul. 27, 2005 GH 0.6 FT. SHIFT 0.01 FT.
MAX GH: 0.6 FT. AT 11:30 ON Jul. 27, 2005

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

07082500 LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

07084500 LAKE CREEK ABOVE TWIN LAKES RESERVOIR, CO

LOCATION.--Oct. 1, 2004-Apr. 24, 2005: 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. Apr. 25-Sep.30, 2005: Lat 39°03'47", long 106°24'28", Lake County, Hydrologic Unit 11020001, on left bank 1.35 mi upstream from water line of Twin Lakes Reservoir at elevation 9,200 ft and 2.1 mi southwest of village of Twin Lakes.

DRAINAGE AREA AND PERIOD OF RECORD.--75 mi². April 1946 to Sept. 1962, Oct. 1963 to current year. Monthly data only for some periods.

GAGE.--Graphic water-stage recorder, satellite-monitored high data rate Sutron Satlink data collection platform (DCP) and shaft encoder in 36-inch diameter corrugated metal pipe (CMP) shelter and well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. DCP data are primary record. Elevation of gage is 9,310 ft. On Apr. 25, 2005, a Sutron Satlink DCP and Accububble were installed at new gage location, approx. 600 ft. upstream, site of abandoned USFS gage. The concrete control section was re-furbished and an orifice line was mounted onto the upstream front face of the control apron. High water measurements are made from the bridge that is over the concrete section.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 30-31, 2004, when ice affected the stage discharge relationship; Nov 1, 2004-Apr. 25, 2005, when the station was closed for the winter. Record good, except during periods of no gage height record and ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--LAKATLCO21 USED FROM 01-OCT-2004 TO 24-APR-2004
LAKATLCO22 USED FROM 25-APR-2005 TO 30-SEP-2005

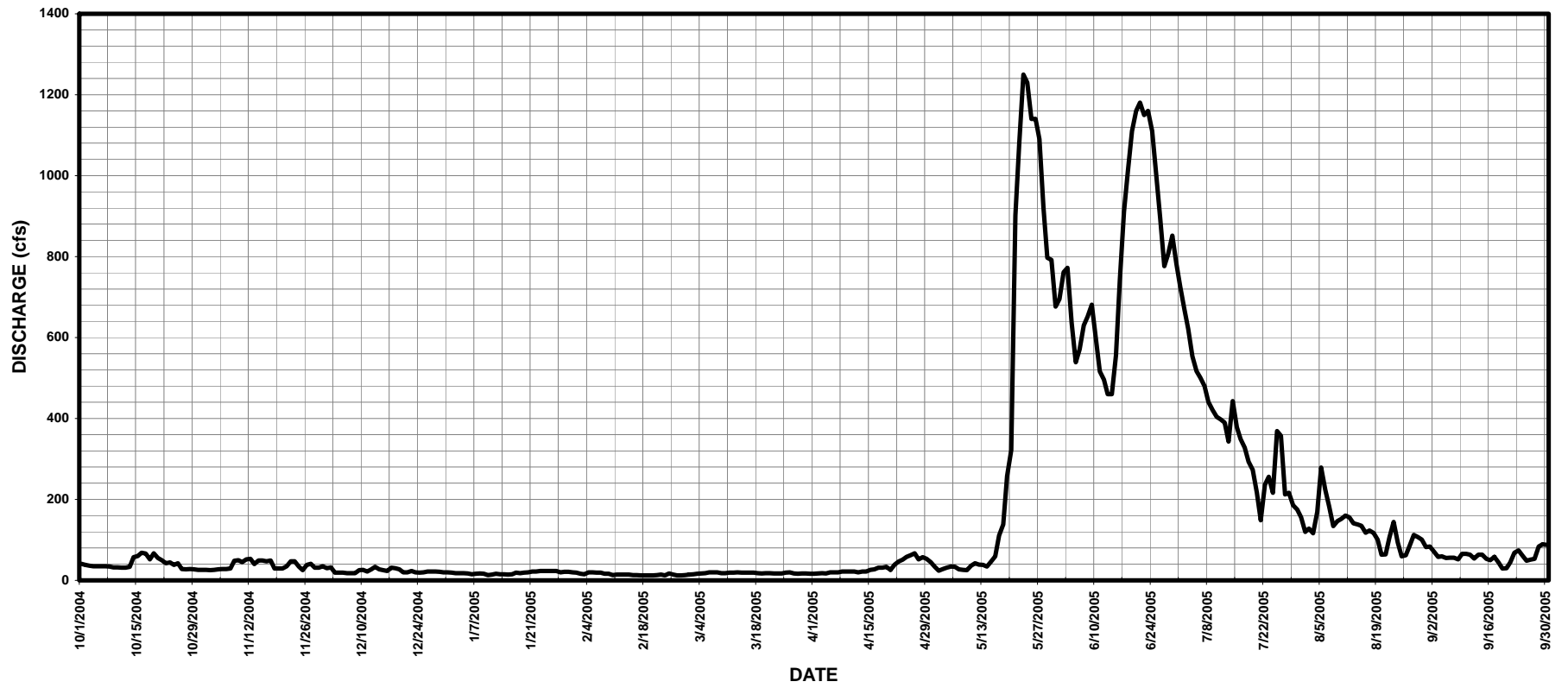
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	26	30	19	19	14	16	33	695	726	120	84
2	38	25	32	18	16	15	17	24	761	670	128	71
3	36	26	19	18	15	16	18	28	772	621	116	58
4	35	27	19	18	20	17	17	31	637	554	169	59
5	35	28	19	17	20	18	20	34	539	517	279	55
6	35	28	18	15	19	20	20	33	571	501	224	56
7	35	29	18	16	19	20	20	27	630	480	183	56
8	34	48	18	17	16	20	22	26	652	441	134	52
9	32	50	25	16	16	18	22	25	681	421	146	65
10	32	45	26	13	13	18	22	36	596	404	152	65
11	31	52	22	14	14	19	22	42	516	398	160	63
12	31	53	27	16	14	19	20	39	496	390	156	54
13	33	40	33	15	14	20	22	38	460	343	141	63
14	57	49	27	15	14	19	22	34	460	443	138	63
15	60	49	25	14	13	19	26	46	556	378	135	53
16	68	47	23	15	13	19	27	59	742	349	118	50
17	66	49	31	19	12	19	31	111	911	328	123	58
18	52	29	30	18	12	18	31	138	1010	293	117	44
19	67	29	27	19	12	17	33	258	1110	273	101	29
20	55	29	20	20	12	18	26	322	1160	216	63	30
21	50	35	20	22	13	18	39	902	1180	148	64	44
22	42	47	23	22	14	17	46	1080	1150	236	107	68
23	44	47	20	23	12	17	51	1250	1160	256	144	74
24	38	34	19	23	17	17	58	1230	1110	216	93	61
25	42	25	20	23	14	19	62	1140	1000	369	59	48
26	28	38	22	23	12	20	67	1140	895	357	62	51
27	27	41	22	23	12	17	52	1090	776	212	86	53
28	28	31	22	20	13	16	57	922	807	216	112	84
29	27	31	21	21	---	17	53	797	852	186	107	89
30	26	35	20	21	---	17	45	792	783	175	101	88
31	26	---	20	20	---	16	---	676	---	156	82	---
TOTAL	1251	1122	718	573	410	554	984	12403	23668	11273	3920	1788
MEAN	40	37	23	19	15	18	33	400	789	364	126	60
AC-FT	2480	2230	1420	1140	813	1100	1950	24600	46950	22360	7780	3550
MAX	68	53	33	23	20	20	67	1250	1180	726	279	89
MIN	26	25	18	13	12	14	16	24	460	148	59	29

CAL YR 2004 TOTAL 42792.9 MEAN 117 MAX 1020 MIN 13 AC-FT 84880
WTR YR 2005 TOTAL 58664 MEAN 161 MAX 1250 MIN 12 AC-FT 116400

MAX DISCH: 1490 CFS AT 21:00 ON May. 23, 2005 GH 5.54 FT. SHIFT 0.06 FT. DATUM CORRECTION -0.54 FT.
MAX GH: 5.54 FT. AT 21:00 ON May. 23, 2005 (DATUM CORRECTION -0.54 FT.)

07084500 LAKE CREEK ABOVE TWIN LAKES RESERVOIR CO
WY2005 HYDROGRAPH



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 right bank 1.2 miles upstream from confluence of Lake Creek and Arkansas River and 1500 ft downstream of Twin Lakes Dam.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron high data rate SatLink DCP) and shaft encoder in a concrete 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 an inside electric tape-down mounted on instrument shelf. Outside staff gage installed in flume but generally used as backup to primary reference tape-down gage. Control is a 30-foot concrete Parshall flume. Elevation of gage is 9,200 ft. above mean sea level.

REMARKS.--Record is complete and reliable for the entire year. The maximum flow that can be safely waded in the flume is about 300 cfs (gage height = 1.84 ft). Flows up to about 400 cfs (gage height = 2.20 ft) can be waded about 150 ft downstream of the flume. There is no bridge at this flume. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD30FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

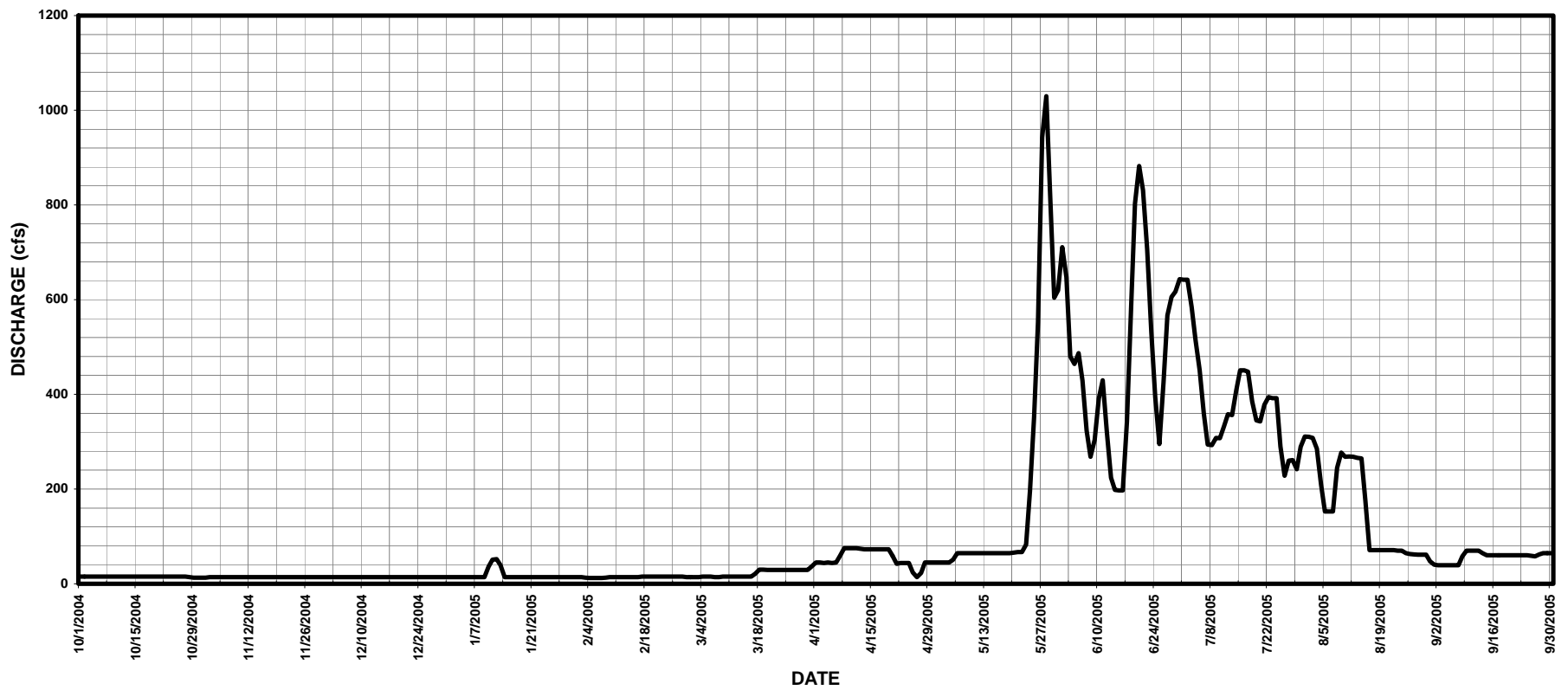
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	13	14	14	14	14	45	45	711	642	310	40
2	15	14	14	14	14	14	45	45	647	642	308	39
3	15	14	14	14	13	14	44	45	480	584	285	39
4	15	14	14	14	12	15	45	45	464	515	210	39
5	15	14	14	14	12	15	44	51	487	451	153	39
6	15	14	14	14	12	15	45	65	429	359	153	39
7	15	14	14	14	12	14	59	65	323	294	153	39
8	15	14	14	14	13	14	75	65	268	293	245	58
9	15	14	14	14	14	15	75	65	304	308	277	70
10	15	14	14	36	14	15	75	65	391	307	268	70
11	15	14	14	51	14	15	75	65	430	333	269	70
12	15	14	14	52	14	15	74	65	320	358	268	70
13	15	14	14	39	14	15	73	65	224	356	266	65
14	15	14	14	14	14	15	73	65	198	408	265	60
15	15	14	14	14	14	15	73	65	197	451	176	60
16	15	14	14	14	14	15	73	65	197	451	71	60
17	15	14	14	14	15	21	73	65	343	448	71	60
18	15	14	14	14	15	30	73	65	583	385	71	60
19	15	14	14	14	15	30	73	65	803	345	71	60
20	15	14	14	14	15	29	59	66	882	343	71	60
21	15	14	14	14	15	29	42	67	831	378	71	60
22	15	14	14	14	15	29	44	67	706	394	71	60
23	15	14	14	14	15	29	44	83	531	392	70	60
24	15	14	14	14	15	29	44	196	395	392	70	60
25	15	14	14	14	15	29	24	354	295	290	65	59
26	15	14	14	14	15	29	14	553	425	228	63	58
27	15	14	14	14	15	29	23	943	567	260	62	62
28	14	14	14	14	14	29	45	1030	606	261	61	65
29	13	14	14	14	---	29	45	818	617	242	61	65
30	13	14	14	14	---	29	45	604	643	289	61	65
31	13	---	14	14	---	37	---	620	---	311	47	---
TOTAL	458	419	434	556	393	672	1641	6542	14297	11710	4663	1711
MEAN	15	14	14	18	14	22	55	211	477	378	150	57
AC-FT	908	831	861	1100	780	1330	3250	12980	28360	23230	9250	3390
MAX	15	14	14	52	15	37	75	1030	882	642	310	70
MIN	13	13	14	14	12	14	14	45	197	228	47	39

CAL YR	2004	TOTAL	39103	MEAN	107	MAX	1020	MIN	13	AC-FT	77560
WTR YR	2005	TOTAL	43496	MEAN	119	MAX	1030	MIN	12	AC-FT	86270

MAX DISCH: 1040 CFS AT 21:15 ON May. 27, 2005 GH 3.96 FT. SHIFT 0.03 FT.
MAX GH: 3.96 FT. AT 21:15 ON May. 27, 2005

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

LAKE CREEK BELOW TWIN LAKES RESERVOIR CO
WY2005 HYDROGRAPH



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 mi². Sporadic data from April 1895 to May 1901. Complete data from April 1910 to current year. Monthly data for some periods only.

GAGE.--Graphic water-stage recorder, Sutron SatLink high data rate satellite-monitored data collection platform (DCP) and shaft encoder in a 4 ft x 4 ft steel shelter over a 42-inch diameter corrugated metal pipe (CMP) well. Shaft encoder and chart set to inside electric tape gage. DCP data are primary record (A-35 chart record is used for back-up purposes). Stock tank heater used inside well during periods of freezing weather to keep well open. Cableway approximately 100 feet downstream from gage. Elevation of gage is 8,914.86 ft above National Geodetic Vertical Datum of 1929, supplementary adjustment of 1960.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 27- 30; Dec. 1-30, 2004; Jan. 5-31; Feb. 1-28; Mar. 1-23, 2005 when stage-discharge relationship was affected by ice. Dec. 31, 2004 through Jan. 4, 2005 when an electrical outage caused the well to freeze up. The shelter and well are situated on the right bank in calm water subject to significant shore ice including complete channel and control freeze-over during periods of freezing weather. Record good, except during periods of no gage height record and ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.-- ARKGRNC011A USED FROM 01-OCT-2004 TO 17-OCT-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

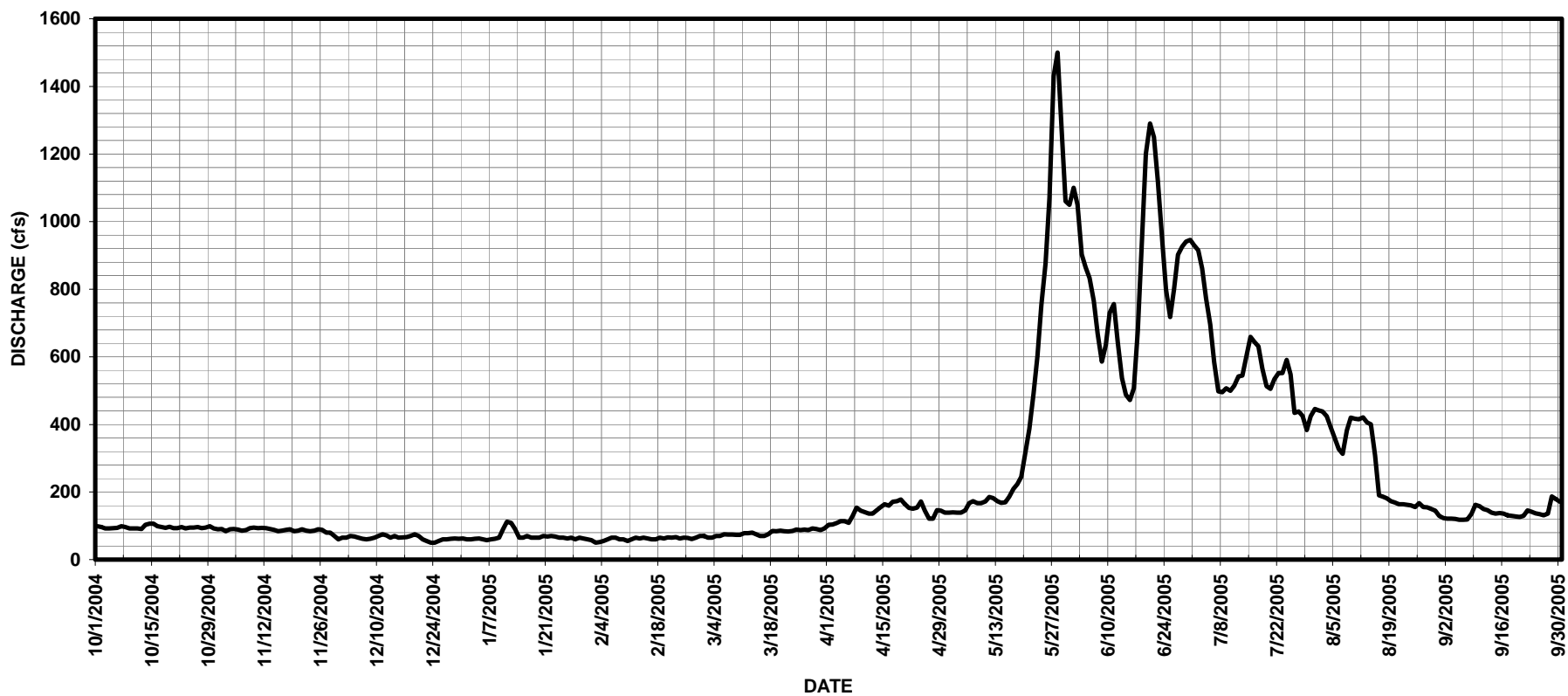
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	91	65	60	58	70	103	139	1100	930	442	123
2	96	84	65	60	50	65	104	140	1050	915	438	121
3	92	90	70	62	52	65	108	139	903	861	424	121
4	92	91	68	63	55	70	114	139	864	773	392	120
5	93	89	65	60	60	70	114	146	833	695	358	118
6	94	86	62	58	65	75	109	167	766	584	327	118
7	99	87	60	60	65	74	129	173	668	498	313	119
8	96	93	62	62	60	74	154	167	586	495	382	135
9	92	95	65	65	60	73	145	167	634	507	420	162
10	92	93	70	90	55	73	141	172	730	499	417	158
11	92	94	75	112	60	78	136	185	756	515	415	150
12	91	93	72	109	65	78	136	182	643	542	421	147
13	103	91	65	91	63	80	146	173	537	545	406	139
14	106	88	70	65	65	75	156	168	488	604	400	136
15	106	84	65	65	63	70	164	170	472	659	308	138
16	99	86	66	70	60	70	160	186	507	644	190	136
17	96	88	67	65	60	75	171	209	676	631	186	131
18	94	90	70	65	65	85	173	223	944	565	181	129
19	97	84	75	65	63	84	178	245	1200	513	173	128
20	93	86	70	70	66	86	165	318	1290	505	169	126
21	93	90	60	68	65	84	153	387	1250	534	164	129
22	96	86	55	70	67	83	151	491	1120	552	164	146
23	92	84	50	68	63	85	154	602	951	552	162	142
24	95	86	50	65	65	89	172	754	800	591	161	137
25	95	90	55	65	64	87	145	877	718	548	156	134
26	96	88	60	63	61	89	121	1070	801	434	167	131
27	93	80	60	65	65	87	121	1430	902	438	156	136
28	95	80	62	60	70	92	147	1500	926	425	155	187
29	99	70	63	65	---	91	145	1280	941	383	150	180
30	92	60	62	63	---	87	139	1060	946	424	145	171
31	90	---	63	60	---	92	---	1050	---	446	129	---
TOTAL	2958	2597	1987	2129	1730	2456	4254	14109	25002	17807	8471	4148
MEAN	95	87	64	69	62	79	142	455	833	574	273	138
AC-FT	5870	5150	3940	4220	3430	4870	8440	27990	49590	35320	16800	8230
MAX	106	95	75	112	70	92	178	1500	1290	930	442	187
MIN	90	60	50	58	50	65	103	139	472	383	129	118

CAL YR 2004 TOTAL 81108 MEAN 222 MAX 1550 MIN 50 AC-FT 160900
WTR YR 2005 TOTAL 87648 MEAN 240 MAX 1500 MIN 50 AC-FT 173800

MAX DISCH: 1540 CFS AT 11:00 ON May. 27, 2005 GH 4.76 FT. SHIFT 0.06 FT.
MAX GH: 4.76 FT. AT 11:00 ON May. 27, 2005

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

07086000 ARKANSAS RIVER AT GRANITE CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO

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

DRAINAGE AREA.--67.1 mi².

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron high data rate SaltLink Logger DCP) and shaft encoder in a 42-inch diameter corrugated metal pipe (CMP) shelter and well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. DCP data are primary record (graphic chart record is used for back-up purposes). Control is a concrete dam tapered lower towards the center, located approximately 15 feet downstream. An outside staff gage is used as a supplemental reference gage. However, since its installation, it does not agree with the inside tape, most likely due to draw-down.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 2-5, 2004; Mar. 22, 27, 30, 31; Apr. 1, 2, 11, 12, 2005, when the stage-discharge relationship was affected by ice; and Nov. 6, 2004-March 20, 2005, when the station was closed for the winter. 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.--CCACCRC014 USED FROM 01-OCT-2004 TO 30-SEP-2005

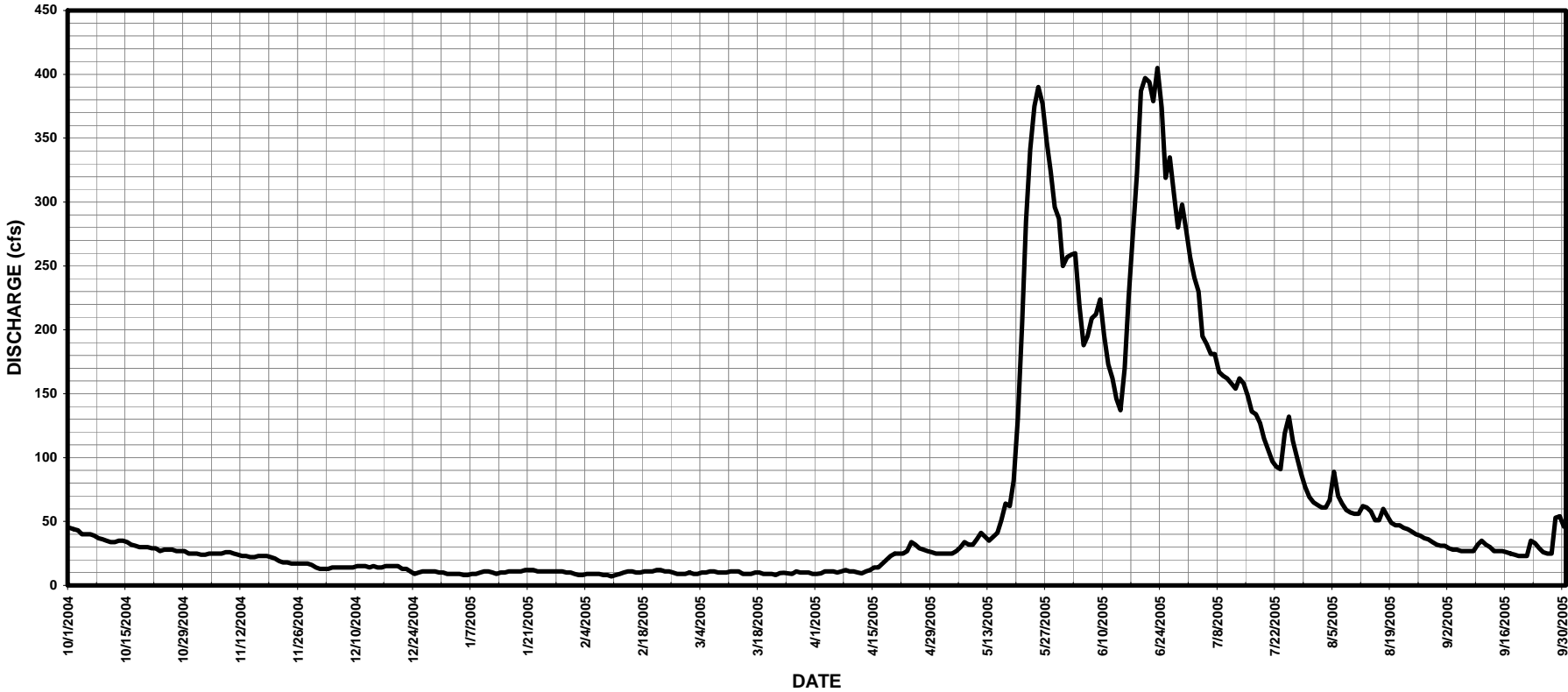
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	25	13	9	9	10	9	25	257	257	63	31
2	44	24	13	9	8	9	9.5	25	259	241	61	29
3	43	24	13	9	8	9	11	25	260	230	61	28
4	40	25	14	9	9	10	11	25	219	195	67	28
5	40	25	14	8	9	10	11	27	188	189	89	27
6	40	25	14	8	9	11	10	30	195	181	70	27
7	39	25	14	9	9	11	11	34	209	181	64	27
8	37	26	14	9	8	10	12	32	212	167	59	27
9	36	26	14	10	8	10	11	32	224	164	57	32
10	35	25	15	11	7	10	11	36	196	162	56	35
11	34	24	15	11	8	11	10	41	173	158	56	32
12	34	23	15	10	9	11	9.5	38	162	154	62	30
13	35	23	14	9	10	11	11	35	146	162	61	27
14	35	22	15	10	11	9	12	38	137	158	58	27
15	34	22	14	10	11	9	14	41	170	148	51	27
16	32	23	14	11	10	9	14	51	225	136	51	26
17	31	23	15	11	10	10	17	64	274	134	60	25
18	30	23	15	11	11	10	20	62	323	127	54	24
19	30	22	15	11	11	9	23	82	387	115	49	23
20	30	21	15	12	11	9	25	131	397	106	47	23
21	29	19	13	12	12	8.9	25	204	394	97	47	23
22	29	18	13	12	12	8	25	285	379	93	45	35
23	27	18	11	11	11	9.7	27	341	405	91	44	33
24	28	17	9	11	11	9.8	34	375	374	119	42	29
25	28	17	10	11	10	9.5	32	390	319	132	40	26
26	28	17	11	11	9	8.9	29	377	335	113	39	25
27	27	17	11	11	9	11	28	347	306	100	37	25
28	27	17	11	11	9	10	27	324	280	87	36	53
29	27	16	11	11	---	10	26	296	298	77	34	54
30	25	14	10	10	---	10	25	287	278	69	32	46
31	25	---	10	10	---	9	---	250	---	65	31	---
TOTAL	1024	646	405	318	269	302.8	540	4350	7981	4408	1623	904
MEAN	33	22	13.1	10.3	9.6	9.8	18	140	266	142	52	30
AC-FT	2030	1280	803	631	534	601	1070	8630	15830	8740	3220	1790
MAX	45	26	15	12	12	11	34	390	405	257	89	54
MIN	25	14	9	8	7	8	9	25	137	65	31	23
CAL YR 2004	TOTAL	18306.5	MEAN	50.0	MAX	325	MIN	7	AC-FT	36310		
WTR YR 2005	TOTAL	22770.8	MEAN	62.4	MAX	405	MIN	7	AC-FT	45170		

MAX DISCH: 470 CFS AT 23:30 ON Jun. 19, 2005 GH 4.43 FT. SHIFT 0.07 FT.
MAX GH: 4.43 FT. AT 23:30 ON Jun. 19, 2005

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

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR CO
WY2005 HYDROGRAPH



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 High-Data-Rate Sutron Sat-Link DCP installed at Clear Creek Dam. A SatLink DCP was installed at the gage on Apr. 25, 2005, and the data cable to the dam abandoned. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. Outside gage used as supplemental reference. Outside gage reads 0.01 ft low. DCP data are primary record (graphic chart record is used for back-up purposes). Control is a 20-ft. wide, compound, broad-crested weir located at the gage.

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

RATING TABLE.--CCBCCRC004 USED FROM 01-OCT-2004 TO 30-SEP-2005

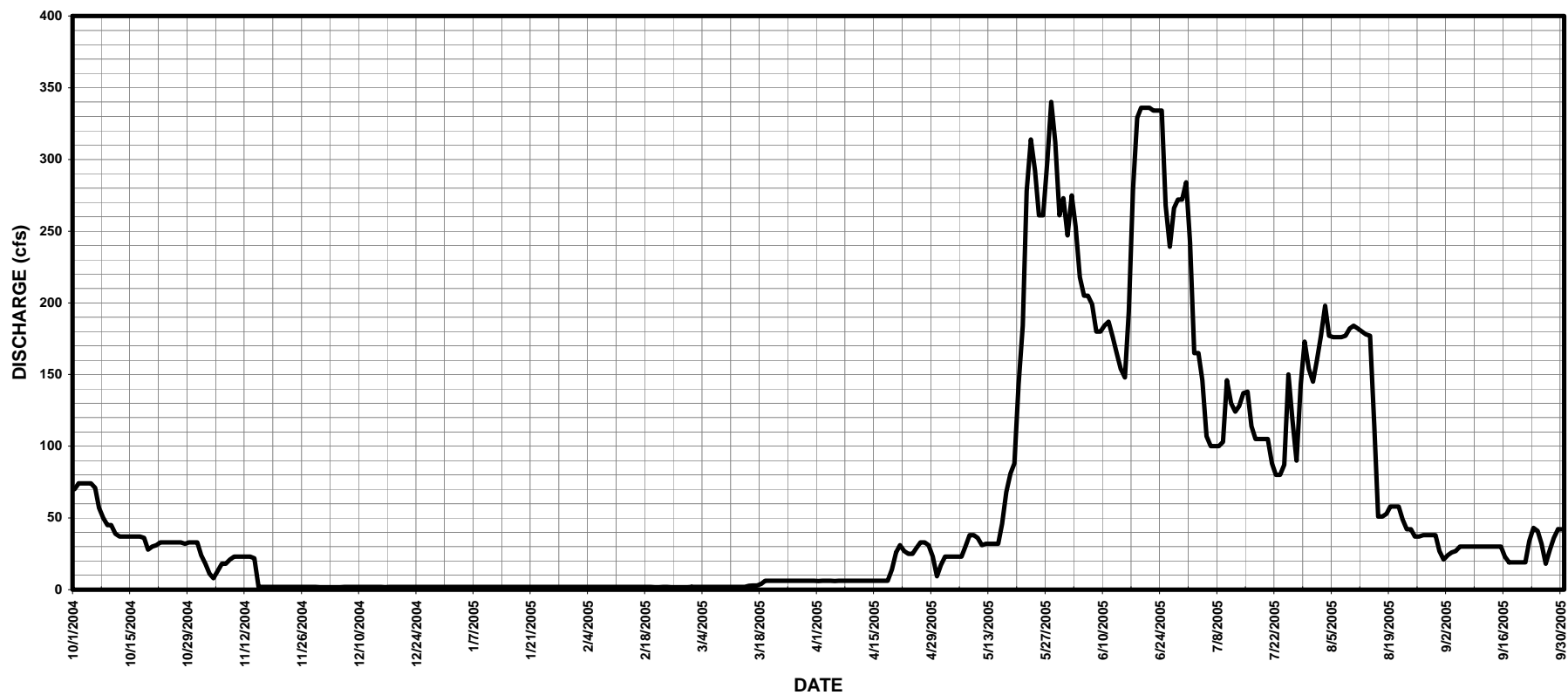
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	24	1.8	2	2	1.9	6.1	17	247	242	160	21
2	74	18	1.8	2	2	1.9	6.2	23	275	165	177	24
3	74	11	1.8	2	2	1.9	6.2	23	253	165	198	26
4	74	7.9	1.8	2	2	1.9	6.2	23	218	146	177	27
5	74	13	1.8	2	2	1.9	6.1	23	205	107	176	30
6	71	18	1.9	2	2	1.9	6.2	23	205	100	176	30
7	57	18	1.9	2	2	1.9	6.2	30	199	100	176	30
8	50	21	1.9	2	1.9	1.9	6.2	38	180	100	177	30
9	45	23	1.9	2	2	1.9	6.2	38	180	103	182	30
10	45	23	1.9	2	2	1.9	6.2	36	184	146	184	30
11	39	23	1.9	2	2	1.9	6.2	31	187	130	182	30
12	37	23	1.9	1.9	2	2	6.2	32	176	124	180	30
13	37	23	1.9	1.9	2	2	6.2	32	165	128	178	30
14	37	22	1.9	2	2	2	6.2	32	154	137	177	30
15	37	1.9	1.9	1.9	2	2.7	6.2	32	148	138	115	30
16	37	1.9	1.8	1.9	1.9	3	6.2	46	194	114	51	23
17	37	1.9	1.9	1.9	1.9	3	6.2	68	279	105	51	19
18	36	1.9	1.9	1.9	1.9	4	6.2	81	329	105	53	19
19	28	1.9	1.9	2	1.9	6.2	14	88	336	105	58	19
20	30	1.9	1.9	2	1.8	6.2	26	143	336	105	58	19
21	31	1.9	1.9	2	1.8	6.2	31	184	336	88	58	19
22	33	1.9	1.9	2	1.9	6.2	27	278	334	80	49	34
23	33	1.9	1.9	2	1.9	6.2	25	314	334	80	42	43
24	33	1.9	1.9	2	1.8	6.2	25	292	334	87	42	41
25	33	1.9	1.9	2	1.8	6.2	29	261	268	150	37	32
26	33	1.9	1.9	2	1.8	6.2	33	261	239	119	37	18
27	33	1.9	1.9	2	1.8	6.2	33	299	266	90	38	28
28	32	1.9	1.9	2	1.8	6.2	31	340	272	143	38	36
29	33	1.9	2	2	---	6.2	23	312	272	173	38	42
30	33	1.8	2	2	---	6.2	9.3	261	284	154	38	42
31	33	---	2	2	---	6.2	---	273	---	145	27	---
TOTAL	1349	298.2	58.6	61.4	53.9	120.2	417.7	3934	7389	3874	3330	862
MEAN	44	9.9	1.9	2	1.9	3.9	13.9	127	246	125	107	29
AC-FT	2680	591	116	122	107	238	829	7800	14660	7680	6610	1710
MAX	74	24	2	2	2	6.2	33	340	336	242	198	43
MIN	28	1.8	1.8	1.9	1.8	1.9	6.1	17	148	80	27	18
CAL YR 2004	TOTAL	16890.1	MEAN	46.1	MAX	340	MIN	1.6	AC-FT	33500		
WTR YR 2005	TOTAL	21748	MEAN	59.6	MAX	340	MIN	1.8	AC-FT	43140		

MAX DISCH: 353 CFS AT 09:45 ON May. 28, 2005 GH 3.09 FT. SHIFT -0.02 FT.
MAX GH: 3.09 FT. AT 09:45 ON May. 28, 2005

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

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR NEAR GRANITE CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

07089520 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.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink HDR DCP) and shaft encoder in a 42-inch corrugated metal pipe shelter and well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. Outside staff gage used for supplemental reference. Satellite-monitored data are the primary record (graphic chart record is used for back-up purposes). Datum of gage 7930 ft. from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 1, 2, 22, 29, 30; Dec. 1-9, 17-19, 21-28, 31, 2004; Jan. 2, 3, 5-9, 13-18, 23, 28-31; Feb. 1-10, 18, 24-28; Mar. 2-4, 15-17, 19, 31; Apr. 1, 2005, when ice affected the stage-discharge relationship. Record good, except during periods of ice effect, which is poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--COCRBVCO04 USED FROM 01-OCT-2004 TO 30-SEP-2005

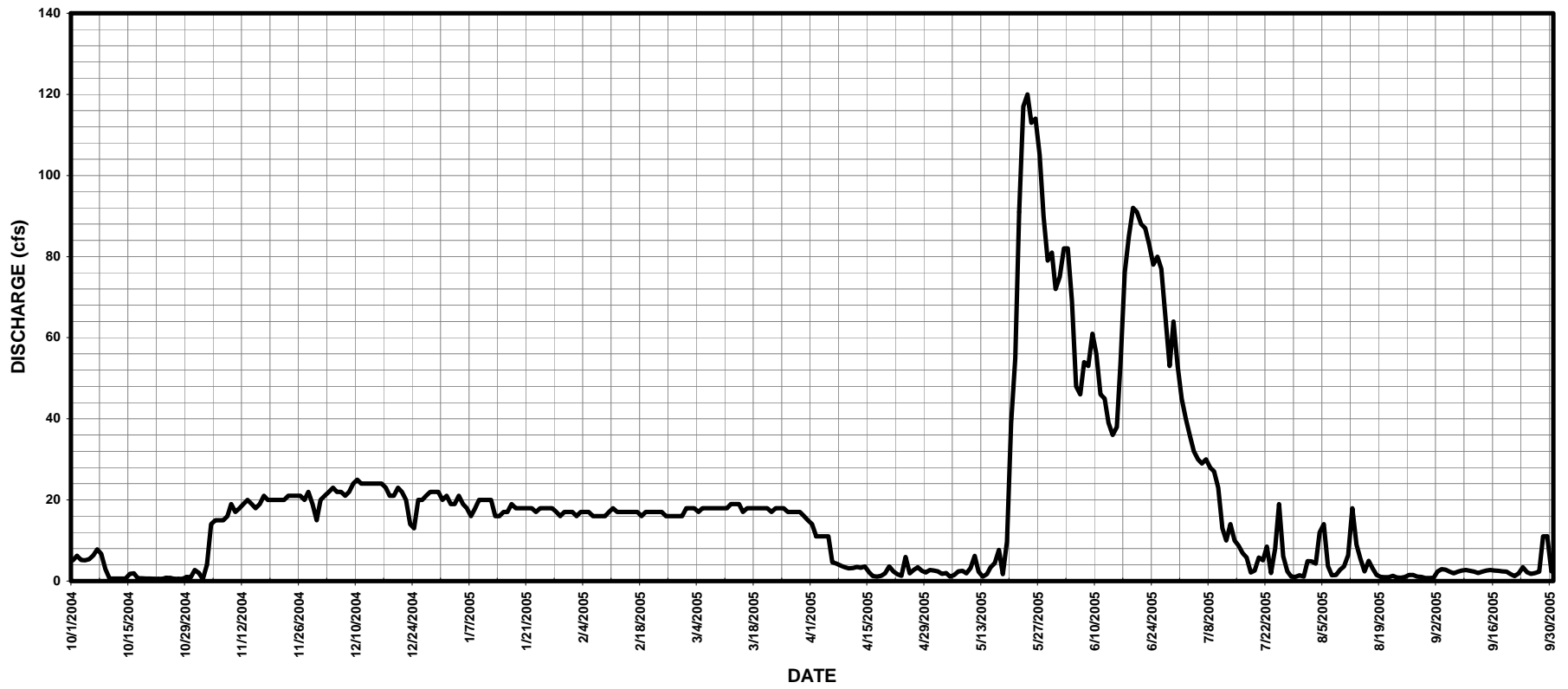
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	2	20	21	17	18	14	2.6	75	45	4.9	.85
2	6.2	.5	21	19	16	18	11	2.4	82	40	4.8	2.3
3	5.2	4	22	19	17	18	11	1.8	82	36	4.3	2.9
4	5.1	14	23	21	17	17	11	2	69	32	12	2.8
5	5.4	15	22	19	17	18	11	1.1	48	30	14	2.3
6	6.3	15	22	18	16	18	4.6	1.5	46	29	3.7	1.9
7	7.8	15	21	16	16	18	4.3	2.4	54	30	1.4	2.3
8	6.7	16	22	18	16	18	3.8	2.5	53	28	1.5	2.6
9	2.9	19	24	20	16	18	3.4	1.9	61	27	2.8	2.7
10	.63	17	25	20	17	18	3.1	3.2	56	23	3.6	2.5
11	.6	18	24	20	18	18	3.2	6.2	46	13	6.4	2.3
12	.59	19	24	20	17	19	3.5	2.3	45	10	18	2
13	.61	20	24	16	17	19	3.3	1.1	39	14	9	2.3
14	.58	19	24	16	17	19	3.6	1.7	36	10	5.5	2.6
15	1.8	18	24	17	17	17	2.2	3.4	38	8.8	2.4	2.7
16	1.9	19	24	17	17	18	1.2	4.4	54	6.9	5	2.6
17	.7	21	23	19	17	18	1.1	7.7	76	5.8	3.2	2.5
18	.67	20	21	18	16	18	1.3	1.7	85	2.1	1.5	2.4
19	.6	20	21	18	17	18	1.9	9.7	92	2.6	.99	2.3
20	.64	20	23	18	17	18	3.6	39	91	5.8	.93	1.7
21	.55	20	22	18	17	18	2.4	55	88	5.1	.92	1.2
22	.56	20	20	18	17	17	1.7	91	87	8.5	1.3	1.9
23	.56	21	14	17	17	18	1.3	117	83	2	.91	3.4
24	.81	21	13	18	16	18	5.9	120	78	8.1	.85	2.2
25	.75	21	20	18	16	18	1.9	113	80	19	1	1.8
26	.55	21	20	18	16	17	2.7	114	77	6.1	1.5	2
27	.55	20	21	18	16	17	3.4	105	65	2.4	1.5	2.3
28	.55	22	22	17	16	17	2.5	90	53	1.1	1.1	11
29	1	19	22	16	---	17	2.1	79	64	1	1	11
30	.89	15	22	17	---	16	2.7	81	53	1.4	.78	2.4
31	2.7	---	20	17	---	15	---	72	---	1.1	.75	---
TOTAL	69.49	511.5	670	562	466	549	128.7	1135.6	1956	454.8	117.53	85.75
MEAN	2.24	17.1	22	18	17	18	4.3	36.6	65	14.7	3.79	2.86
AC-FT	138	1010	1330	1110	924	1090	255	2250	3880	902	233	170
MAX	7.8	22	25	21	18	19	14	120	92	45	18	11
MIN	.55	.5	13	16	16	15	1.1	1.1	36	1	.75	.85
CAL YR 2004	TOTAL	5590.27	MEAN	15.3	MAX	121	MIN	.43	AC-FT	11090		
WTR YR 2005	TOTAL	6706.37	MEAN	18.4	MAX	120	MIN	.5	AC-FT	13300		

MAX DISCH: 159 CFS AT 07:45 ON May. 23, 2005 GH 3.22 FT. SHIFT 0.04 FT.
MAX GH: 3.22 FT. AT 07:45 ON May. 23, 2005

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

07089520 COTTONWOOD CREEK AT BUENA VISTA CO
WY2005 HYDROGRAPH



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.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink Logger HDR DCP) and shaft encoder in 32-inch diameter corrugated metal pipe (CMP) shelter and well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. DCP data are primary record (graphic chart record is used for back-up purposes). Outside staff gage also used for reference purpose. Control is a concrete dam, tapered lower towards the center, located approximately 5 feet downstream. Elevation of gage 7660' from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 29,30; Dec. 1-4, 23-25, 2004, when ice affected the stage-discharge relationship. Record good, except during periods of ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--CHCRNACO6 USED FROM 01-OCT-2004 TO 30-SEP-2005

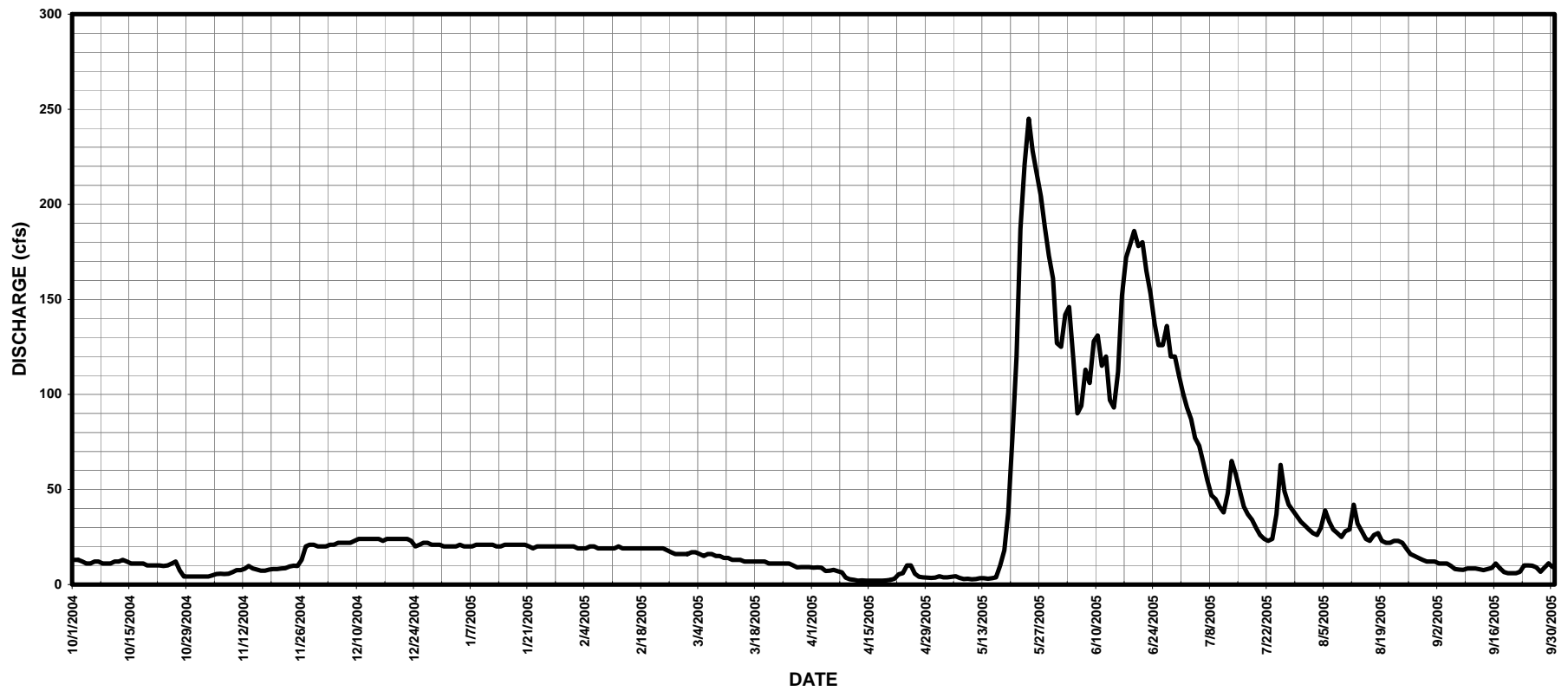
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	4.2	20	20	20	16	8.8	3.6	125	101	29	12
2	13	4.2	20	20	19	17	9	4.3	142	93	27	11
3	12	4.2	21	20	19	17	8.8	3.8	146	87	26	11
4	11	4.8	21	21	19	16	7.1	3.8	119	77	30	11
5	11	5.5	22	20	20	15	7.3	4	90	73	39	9.7
6	12	5.6	22	20	20	16	7.7	4.3	94	64	33	8.1
7	12	5.5	22	20	19	16	7	3.5	113	55	29	7.9
8	11	5.7	22	21	19	15	6.4	2.9	106	47	27	7.7
9	11	6.5	23	21	19	15	3.6	3.1	128	45	25	8.5
10	11	7.5	24	21	19	14	2.7	2.7	131	41	28	8.5
11	12	7.5	24	21	19	14	2.4	2.9	115	38	29	8.4
12	12	8.3	24	21	20	13	2.1	3.3	120	48	42	8
13	13	9.7	24	20	19	13	2.2	3.4	97	65	32	7.6
14	12	8.4	24	20	19	13	2	3.1	93	58	28	8.2
15	11	7.8	24	21	19	12	2	3.3	112	49	24	8.7
16	11	7.2	23	21	19	12	2	3.8	152	41	23	11
17	11	7.2	24	21	19	12	2.1	10	172	37	26	8.6
18	11	7.8	24	21	19	12	2.1	18	179	34	27	6.6
19	10	8.1	24	21	19	12	2.2	38	186	30	23	6
20	10	8.1	24	21	19	12	2.4	77	178	26	22	5.9
21	10	8.5	24	20	19	11	3	120	180	24	22	5.9
22	10	8.6	24	19	19	11	5.4	187	165	23	23	6.7
23	9.8	9.5	23	20	19	11	5.9	221	153	24	23	10
24	10	9.9	20	20	18	11	10	245	137	37	22	10
25	11	9.7	21	20	17	11	10	228	126	63	19	9.9
26	12	13	22	20	16	11	5.7	216	126	49	16	9
27	7.4	20	22	20	16	10	4	204	136	42	15	6.7
28	4.2	21	21	20	16	9	3.8	188	120	39	14	8.9
29	4.2	21	21	20	---	9.1	3.7	173	120	36	13	11
30	4.2	20	21	20	---	9.1	3.5	161	110	33	12	9.2
31	4.2	---	20	20	---	9.1	---	127	---	31	12	---
TOTAL	317	275	695	631	524	394.3	144.9	2268.8	3971	1510	760	261.7
MEAN	10.2	9.2	22	20	19	12.7	4.8	73.2	132	49	25	8.7
AC-FT	629	545	1380	1250	1040	782	287	4500	7880	3000	1510	519
MAX	13	21	24	21	20	17	10	245	186	101	42	12
MIN	4.2	4.2	20	19	16	9	2	2.7	90	23	12	5.9
CAL YR 2004	TOTAL	12174.7	MEAN	33.3	MAX	238	MIN	1.5	AC-FT	24150		
WTR YR 2005	TOTAL	11752.7	MEAN	32.2	MAX	245	MIN	2	AC-FT	23310		

MAX DISCH: 293 CFS AT 01:45 ON May. 25, 2005 GH 4.55 FT. SHIFT -0.02 FT.
MAX GH: 4.55 FT. AT 01:45 ON May. 25, 2005

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

07091000 CHALK CREEK AT NATHROP CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO

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

DRAINAGE AREA.--1,218 mi².

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron Model 8210 DCP with high data rate transmitter) and shaft encoder in a 4'x 4' steel shelter placed over a stilling well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf (augmented by an outside staff gage). Outside gage set 0.01 ft low. DCP log data are primary record (satellite data and A-35 chart used for back-up purposes). Cableway approximately 35 feet downstream from gage. Datum of gage is 7,050.45 ft.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 22, 25, 29, 30; Dec. 1-8, 17-21, 23-28, 2004; Jan. 2-8, 13-18; Feb. 1-5; Mar. 15-18, 2005, when gage height was affected by ice on the control. Record good, except for those periods of ice affected record, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--ARKSALCO29 USED FROM 01-OCT-2004 TO 30-SEP-2005

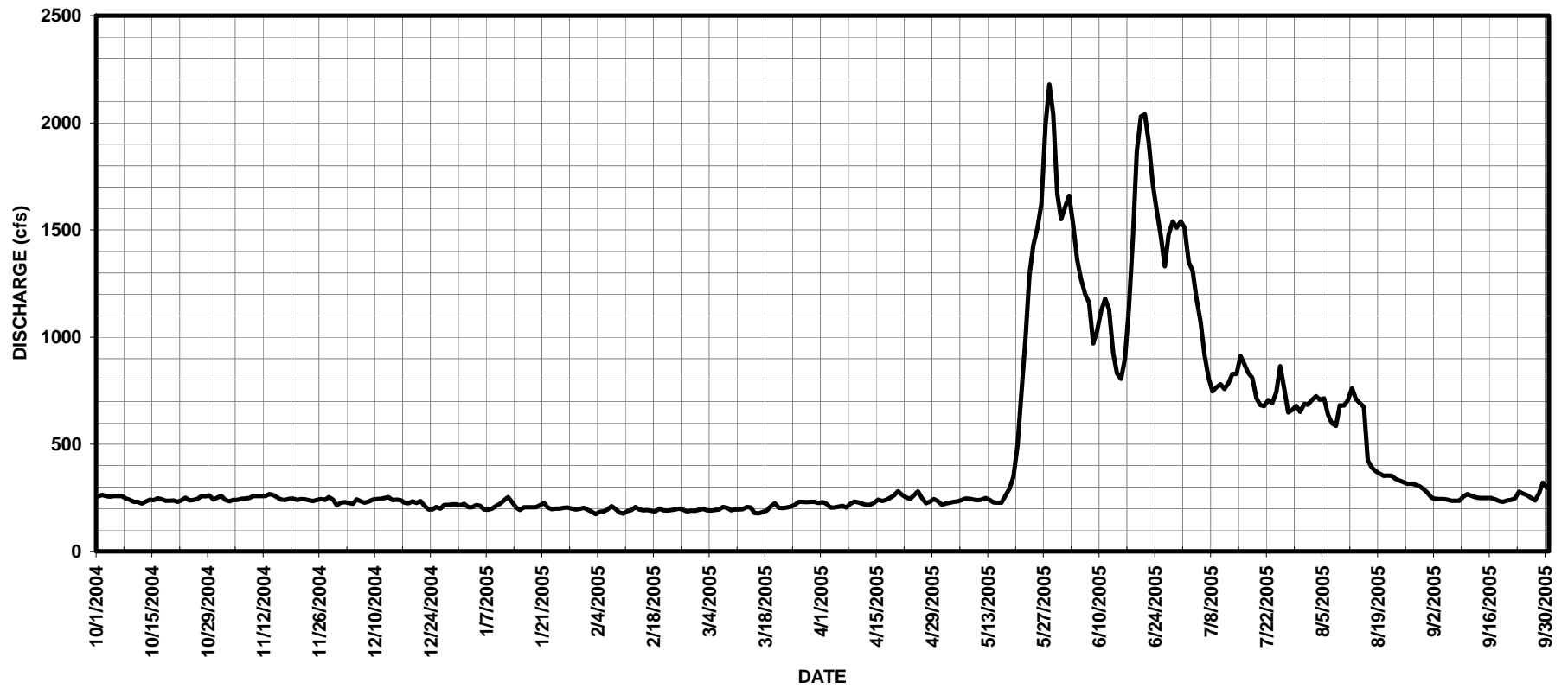
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	257	258	228	223	194	194	230	217	1610	1510	684	251
2	264	241	230	206	185	198	222	224	1660	1350	706	246
3	258	234	226	206	174	192	205	228	1520	1310	725	244
4	256	241	223	216	184	190	205	232	1360	1180	708	244
5	258	241	243	212	186	193	208	234	1270	1070	714	242
6	259	246	234	195	195	196	212	240	1200	918	640	237
7	258	247	228	194	211	207	204	247	1160	808	598	237
8	247	249	233	200	198	203	222	246	970	746	586	237
9	240	258	242	212	182	192	233	242	1030	766	682	256
10	231	259	245	222	176	196	229	239	1120	780	681	267
11	231	259	246	238	188	196	223	242	1180	758	705	260
12	224	259	250	254	193	197	217	249	1130	786	762	253
13	233	267	253	232	207	207	217	241	927	829	711	250
14	242	264	239	205	196	204	228	229	830	828	692	249
15	239	252	242	193	192	179	242	228	805	912	674	250
16	248	242	239	206	193	178	235	228	900	874	425	250
17	243	241	228	206	189	184	240	263	1130	833	391	243
18	237	246	225	206	187	190	251	294	1470	810	374	235
19	237	247	234	206	199	210	262	348	1870	715	363	232
20	238	240	227	215	192	225	281	496	2030	683	353	238
21	231	244	235	226	190	203	264	740	2040	678	354	240
22	239	243	213	204	193	202	252	1000	1910	707	353	247
23	251	239	195	197	196	205	246	1290	1710	691	339	279
24	238	236	195	199	199	209	263	1430	1590	744	331	270
25	240	240	207	200	194	218	281	1510	1470	865	323	262
26	246	244	200	203	186	231	248	1620	1330	763	315	251
27	258	241	218	204	190	231	225	1990	1480	649	316	238
28	257	254	218	200	189	230	233	2180	1540	660	311	270
29	261	242	220	195	---	232	245	2040	1510	680	304	321
30	242	215	220	198	---	231	235	1670	1540	651	291	297
31	252	---	215	203	---	226	---	1550	---	688	274	---
TOTAL	7615	7389	7051	6476	5358	6349	7058	22187	41292	26242	15685	7596
MEAN	246	246	227	209	191	205	235	716	1376	847	506	253
AC-FT	15100	14660	13990	12850	10630	12590	14000	44010	81900	52050	31110	15070
MAX	264	267	253	254	211	232	281	2180	2040	1510	762	321
MIN	224	215	195	193	174	178	204	217	805	649	274	232
CAL YR 2004	TOTAL	145171	MEAN	397	MAX	2140	MIN	195	AC-FT	287900		
WTR YR 2005	TOTAL	160298	MEAN	439	MAX	2180	MIN	174	AC-FT	318000		

MAX DISCH: 2210 CFS AT 05:45 ON May. 28, 2005 GH 5.03 FT. SHIFT 0.03 FT.
MAX GH: 5.03 FT. AT 05:45 ON May. 28, 2005

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

07091500 ARKANSAS RIVER AT SALIDA CO
WY2005 HYDROGRAPH



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 mi². April 1961 to current year.

GAGE.--Station is equipped with a satellite-monitored data collection platform (Sutron 8210 DCP) with a Sutron Accububbler. The 8210 DCP log is the primary record, the satellite-monitored data are used as back-up. Accububbler set to outside horizontal chain weight gage. Concrete flood block with provisions for high and low stage orifice lines installed September 2002. New orifice lines were installed Aug. 28, 2003. Cableway located 400 feet downstream from gage. 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. 28-30; Dec. 1-4, 6-8, 17-19, 21-25, 27, 28, 2004; Jan. 5-8, 13-17, 21-27; Feb. 2-7, 9-12; Mar. 12, 15-20, 2005, when the orifice line was temporarily frozen; November 15-17, 21, 2004, when the Accububbler malfunctioned. Record good, except during periods of orifice freezing and Accububbler malfunction, which is poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--ARKWELCO06A USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

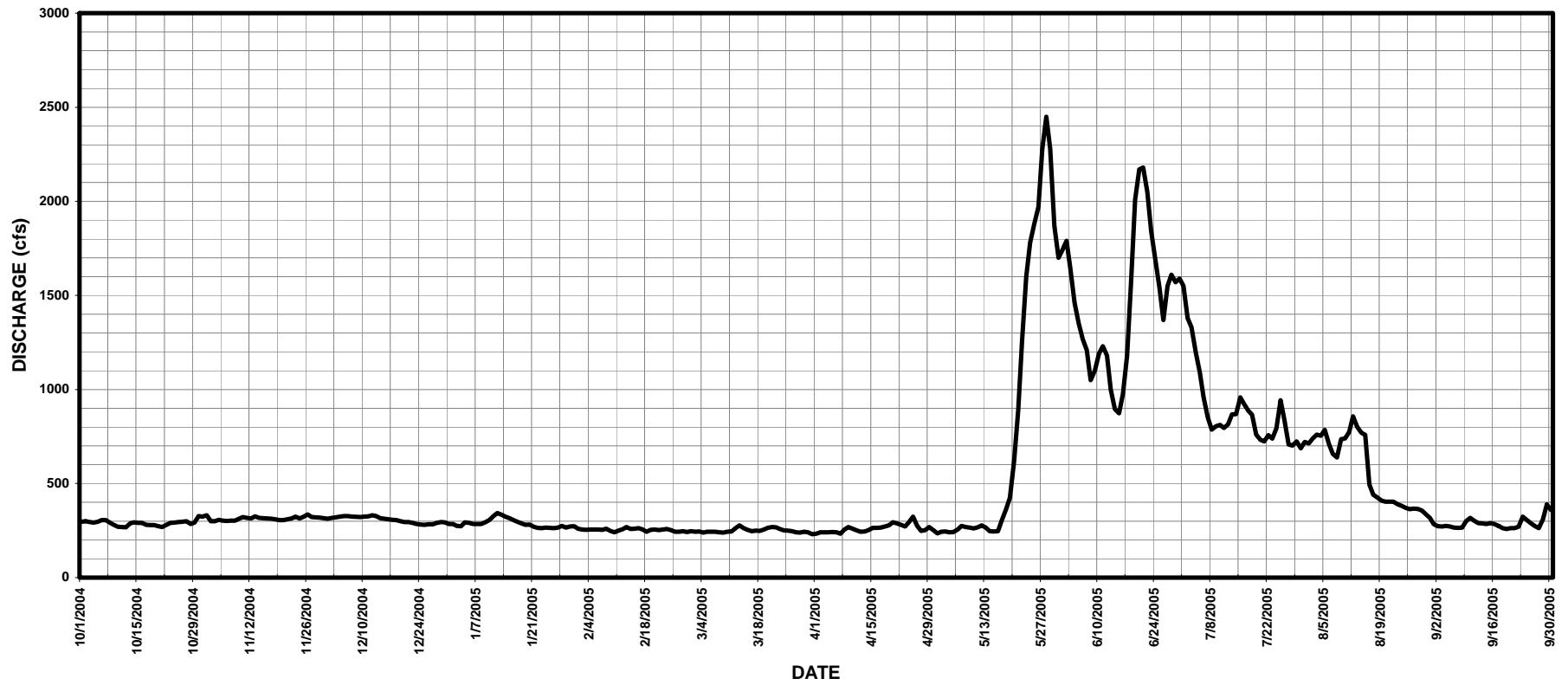
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	297	331	313	285	260	246	234	235	1740	1550	713	284
2	300	300	317	274	255	244	240	243	1790	1380	738	273
3	295	299	320	273	254	245	240	245	1640	1330	761	271
4	292	307	325	293	255	239	241	241	1460	1200	755	274
5	297	303	327	290	256	243	242	242	1350	1090	785	271
6	306	301	327	285	255	243	240	256	1270	956	710	266
7	306	302	325	285	254	244	233	275	1210	850	657	264
8	292	302	323	285	260	241	255	269	1050	786	639	266
9	281	312	321	294	248	239	269	266	1100	805	736	299
10	270	322	325	305	240	244	260	261	1190	811	739	317
11	269	317	326	327	250	245	251	267	1230	795	773	302
12	267	314	331	343	257	262	244	278	1180	815	857	289
13	287	326	328	335	268	278	245	266	999	868	801	288
14	294	317	316	325	258	263	253	247	895	869	771	285
15	291	316	313	315	260	254	264	245	873	959	759	289
16	291	314	309	305	262	246	264	247	976	923	494	285
17	280	312	307	297	256	250	265	305	1180	888	441	275
18	279	309	305	287	244	248	271	363	1560	866	425	263
19	279	305	300	281	254	256	277	424	2010	760	409	258
20	273	305	295	282	256	264	293	617	2170	732	403	262
21	269	310	295	270	253	269	288	888	2180	723	404	262
22	280	314	290	264	256	267	280	1260	2050	757	404	270
23	291	324	285	262	258	259	272	1600	1840	738	391	325
24	292	314	282	266	253	251	295	1780	1690	794	381	307
25	295	323	280	264	243	249	324	1880	1540	943	372	289
26	297	336	284	262	243	246	274	1970	1370	836	364	275
27	299	322	283	265	247	240	248	2280	1550	707	367	262
28	285	320	290	274	242	239	252	2450	1610	701	365	310
29	292	318	295	266	---	244	268	2280	1570	723	356	389
30	327	315	293	272	---	240	253	1870	1590	687	338	359
31	325	---	285	273	---	231	---	1700	---	721	317	---
TOTAL	8998	9410	9515	8904	7097	7729	7835	25750	43863	27563	17425	8629
MEAN	290	314	307	287	253	249	261	831	1462	889	562	288
AC-FT	17850	18660	18870	17660	14080	15330	15540	51080	87000	54670	34560	17120
MAX	327	336	331	343	268	278	324	2450	2180	1550	857	389
MIN	267	299	280	262	240	231	233	235	873	687	317	258

CAL YR	2004	TOTAL	167631	MEAN	459	MAX	2380	MIN	238	AC-FT	332500
WTR YR	2005	TOTAL	182718	MEAN	501	MAX	2450	MIN	231	AC-FT	362400

MAX DISCH: 2680 CFS AT 09:00 ON May 28, 2005 GH 6.37 FT. SHIFT 0 FT.
MAX GH: 6.37 FT. AT 09:00 ON May 28, 2005

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

07093700 ARKANSAS RIVER NEAR WELLSVILLE CO
WY2005 HYDROGRAPH



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.--Graphic water stage recorder, satellite monitored data collection platform (Sutron Model 8210 DCP) and shaft encoder in a 48-inch diameter metal pipe (CMP) shelter and well. Primary record is DCP log data with the graphic chart recorder and satellite data used for backup purposes. Primary reference gage is electric drop tape inside well. No outside staff gage. The control is a compound, broad-crested weir located 17 ft. downstream from the gage. 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 21-30; December 1, 2004; January 13-15; March 14, 2005 when the stage-discharge relationship was affected by shore ice and ice on the control. December 2-9, 12-31, 2004; January 1, 2, 5-8, 16-26; February 2-14, 2005 when chart and shaft encoder floats were frozen in ice in the well, the well was frozen, intakes were frozen, and the control was frozen over. Record good, except for periods of ice effect and no gage height record, which are poor. Station maintained and record developed by T.W. Ley.

RATING TABLE.--GRAWESCO08 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

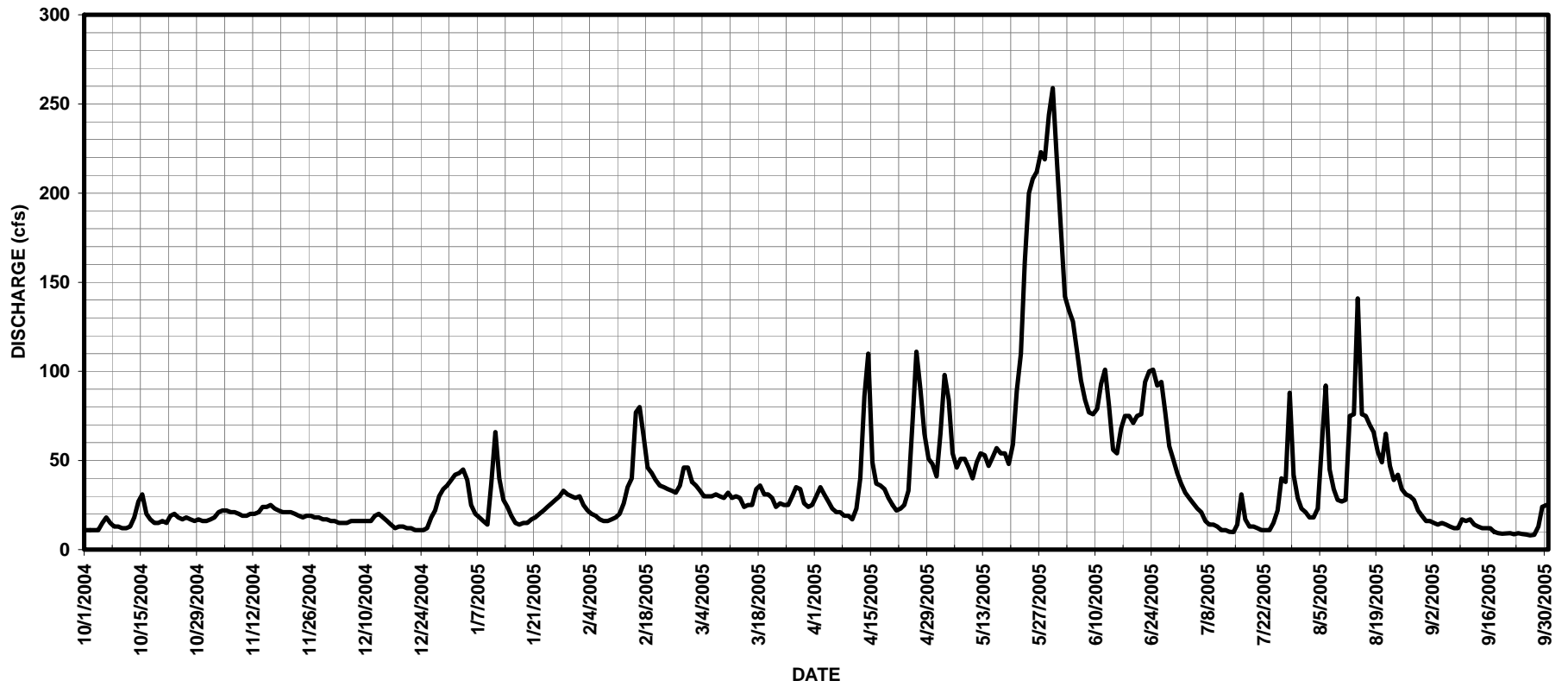
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	17	16	42	30	38	30	41	181	37	21	16
2	11	18	16	43	25	36	35	65	142	32	18	15
3	11	21	15	45	22	33	31	98	134	29	18	14
4	11	22	15	39	20	30	27	84	128	26	23	15
5	15	22	15	25	19	30	23	54	111	23	57	14
6	18	21	16	20	17	30	21	46	95	21	92	13
7	15	21	16	18	16	31	21	51	84	16	45	12
8	13	20	16	16	16	30	19	51	77	14	34	12
9	13	19	16	14	17	29	19	46	76	14	28	17
10	12	19	16	37	18	32	17	40	79	13	27	16
11	12	20	16	66	20	29	23	49	93	11	28	17
12	13	20	19	40	26	30	40	54	101	11	75	14
13	18	21	20	28	35	29	86	53	81	10	76	13
14	27	24	18	24	40	24	110	47	56	9.9	141	12
15	31	24	16	19	77	25	49	52	54	14	76	12
16	20	25	14	15	80	25	37	57	68	31	75	12
17	17	23	12	14	63	34	36	54	75	17	70	10
18	15	22	13	15	46	36	34	54	75	13	66	9.3
19	15	21	13	15	43	31	29	48	71	13	55	8.9
20	16	21	12	17	39	31	25	59	75	12	49	9.1
21	15	21	12	18	36	29	22	89	76	11	65	9.2
22	19	20	11	20	35	24	23	110	94	11	47	8.6
23	20	19	11	22	34	26	25	161	100	11	39	9.2
24	18	18	11	24	33	25	33	200	101	15	42	8.8
25	17	19	12	26	32	25	72	208	92	22	34	8.5
26	18	19	18	28	36	30	111	212	94	40	31	8.1
27	17	18	22	30	46	35	89	223	77	38	30	8.4
28	16	18	30	33	46	34	65	219	58	88	28	13
29	17	17	34	31	---	26	51	244	51	42	22	24
30	16	17	36	30	---	24	48	259	43	29	19	25
31	16	---	39	29	---	25	---	218	---	23	16	---
TOTAL	503	607	546	843	967	916	1251	3246	2642	696.9	1447	384.1
MEAN	16	20	18	27	35	30	42	105	88	22.5	47	12.8
AC-FT	998	1200	1080	1670	1920	1820	2480	6440	5240	1380	2870	762
MAX	31	25	39	66	80	38	111	259	181	88	141	25
MIN	11	17	11	14	16	24	17	40	43	9.9	16	8.1

CAL YR	2004	TOTAL	7799.6	MEAN	21.3	MAX	167	MIN	4.9	AC-FT	15470
WTR YR	2005	TOTAL	14049	MEAN	38.5	MAX	259	MIN	8.1	AC-FT	27870

MAX DISCH: 285 CFS AT 17:45 ON May. 29, 2005 GH 2.2 FT. SHIFT 0.05 FT.
MAX GH: 2.2 FT. AT 17:45 ON May. 29, 2005

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

07095000 GRAPE CREEK NEAR WESTCLIFFE CO
WY2005 HYDROGRAPH



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 mi². January 1888 to current year. Monthly data only for some periods. Published as near Canyon 1900-1906.

GAGE.--Graphic water-stage recorder, with high data rate DCP (Sutron 8210) and SDI shaft encoder installed July 25, 2002, in 42-inch diameter CMP shelter and well. Primary reference gage is electric drop tape inside well. Control is man-made concrete diversion dam located approximately 200 feet downstream. Cableway 15-20 feet downstream from gage. USGS Hydrolab is co-located at gage. Datum of gage is 5,342.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for the following days when ice on the control and a partially plugged lower intake affected the gage height: Ice-Nov. 29-30; Dec. 1-7, 23-31, 2004; Jan. 1, 6-8, 14-18, 2005; partially plugged lower intake-May 1-3, 8-17; Sep. 5-9, 12-23, 26-28, 2005. Record good, except for days on which ice affected the stage-discharge relationship and when the lower intake was partially plugged which affected the water level inside the well. Record during these periods should be considered poor. Station maintained by T.W. Ley and B.K. Boughton and record developed by B.K. Boughton.

RATING TABLE.--ARKCANCO23 USED FROM 01-OCT-2004 TO 30-SEP-2005

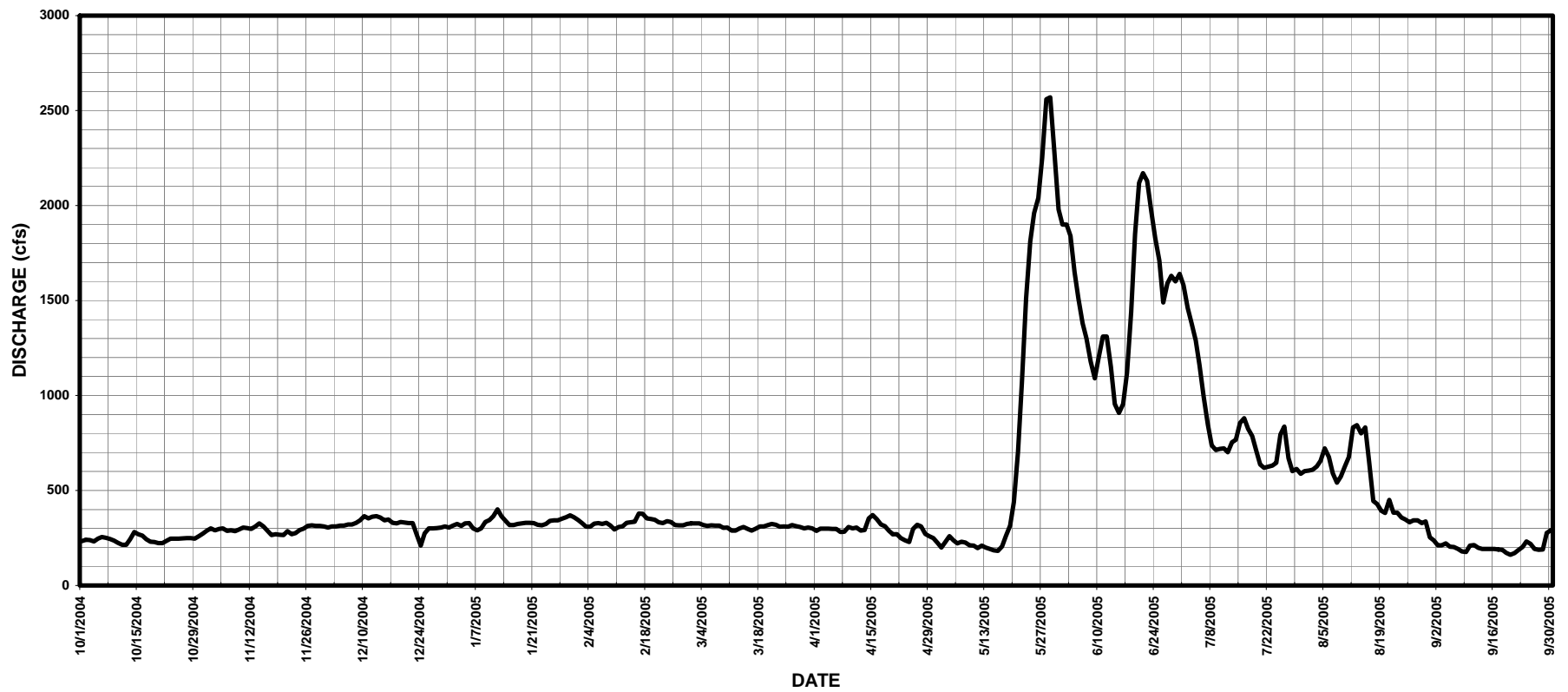
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	233	289	305	315	344	326	287	224	1900	1580	605	237
2	240	300	310	323	326	326	299	200	1900	1460	610	212
3	239	290	310	313	309	326	299	231	1840	1380	627	212
4	232	297	315	327	309	318	299	259	1650	1290	656	221
5	246	300	315	328	325	314	298	238	1510	1160	721	204
6	255	287	320	300	328	316	298	222	1380	994	676	202
7	251	290	320	290	323	315	282	230	1300	849	590	193
8	245	286	329	300	330	315	283	226	1180	737	541	179
9	236	294	343	334	315	303	308	212	1090	701	573	176
10	225	305	364	344	295	304	301	210	1200	718	628	210
11	215	302	353	364	308	288	304	197	1310	722	676	213
12	215	297	362	401	311	289	288	210	1310	701	833	198
13	243	310	365	364	329	300	292	200	1150	754	844	192
14	281	326	357	340	332	308	353	193	955	767	800	192
15	269	311	343	318	335	298	370	185	908	856	832	192
16	262	288	347	318	379	289	349	182	955	881	650	192
17	243	266	329	323	377	299	320	206	1120	825	444	190
18	231	269	326	326	353	311	312	261	1440	786	428	188
19	229	267	334	329	350	310	287	315	1850	711	394	172
20	223	266	331	329	346	318	269	439	2120	637	382	162
21	223	286	328	328	333	324	269	704	2170	620	450	170
22	234	270	328	319	328	319	249	1070	2130	626	384	186
23	247	275	270	316	338	309	238	1510	1970	631	383	203
24	246	291	210	323	334	311	229	1810	1830	646	357	232
25	246	299	274	339	318	309	298	1960	1710	795	347	218
26	248	314	300	343	316	318	319	2040	1490	837	333	192
27	249	317	300	343	316	312	311	2250	1590	670	343	188
28	250	314	302	352	324	307	271	2560	1630	602	343	190
29	246	313	305	358	---	300	260	2570	1600	614	328	276
30	259	310	310	369	---	304	250	2280	1640	588	337	292
31	272	---	305	359	---	301	---	1980	---	602	254	---
TOTAL	7533	8829	9910	10335	9231	9587	8792	25374	45828	25752	16369	6084
MEAN	243	294	320	333	330	309	293	819	1528	831	528	203
AC-FT	14940	17510	19660	20500	18310	19020	17440	50330	90900	51080	32470	12070
MAX	281	326	365	401	379	326	370	2570	2170	1580	844	292
MIN	215	266	210	290	295	288	229	182	908	588	254	162
CAL YR 2004	TOTAL	166659	MEAN	455	MAX	2250	MIN	178	AC-FT	330600		
WTR YR 2005	TOTAL	183624	MEAN	503	MAX	2570	MIN	162	AC-FT	364200		

MAX DISCH: 2640 CFS AT 00:00 ON May. 30, 2005 GH 8.26 FT. SHIFT -0.05 FT.
MAX GH: 8.26 FT. AT 00:00 ON May. 30, 2005

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

07096000 ARKANSAS RIVER AT CANON CITY CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

07097000 ARKANSAS RIVER AT PORTLAND, CO

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

DRAINAGE AREA.--4,024 mi².

GAGE.--Sutron 8210 satellite-monitored data collection platform (DCP) and high data rate transmitter (HDR) with shaft encoder and a graphic water-stage recorder in 36-inch diameter CMP shelter and well. Primary record is 8210 data logger with the graphic chart recorder used for backup purposes. Primary reference gage is a drop tape referenced to an adjustable RP mounted on the instrument shelf inside the shelter. A cablecar is suspended from a monorail attached to upstream side of Highway 120 bridge 10-15 feet downstream from gage. USGS Hydrolab monitored by DCP for water temperature and specific conductance.

REMARKS.--Record is complete and reliable except for: November 30; December 1-4, 13, 14, 23-25, 29, 30, 2004; January 4-8, 13-19, 26-28, 30, 31; February 1-10, 24-26, and March 14-16, 2005 when ice in the channel affected the stage-discharge relationship. Record is considered good, except during periods of ice affect, which are poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--ARKPORCO06 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

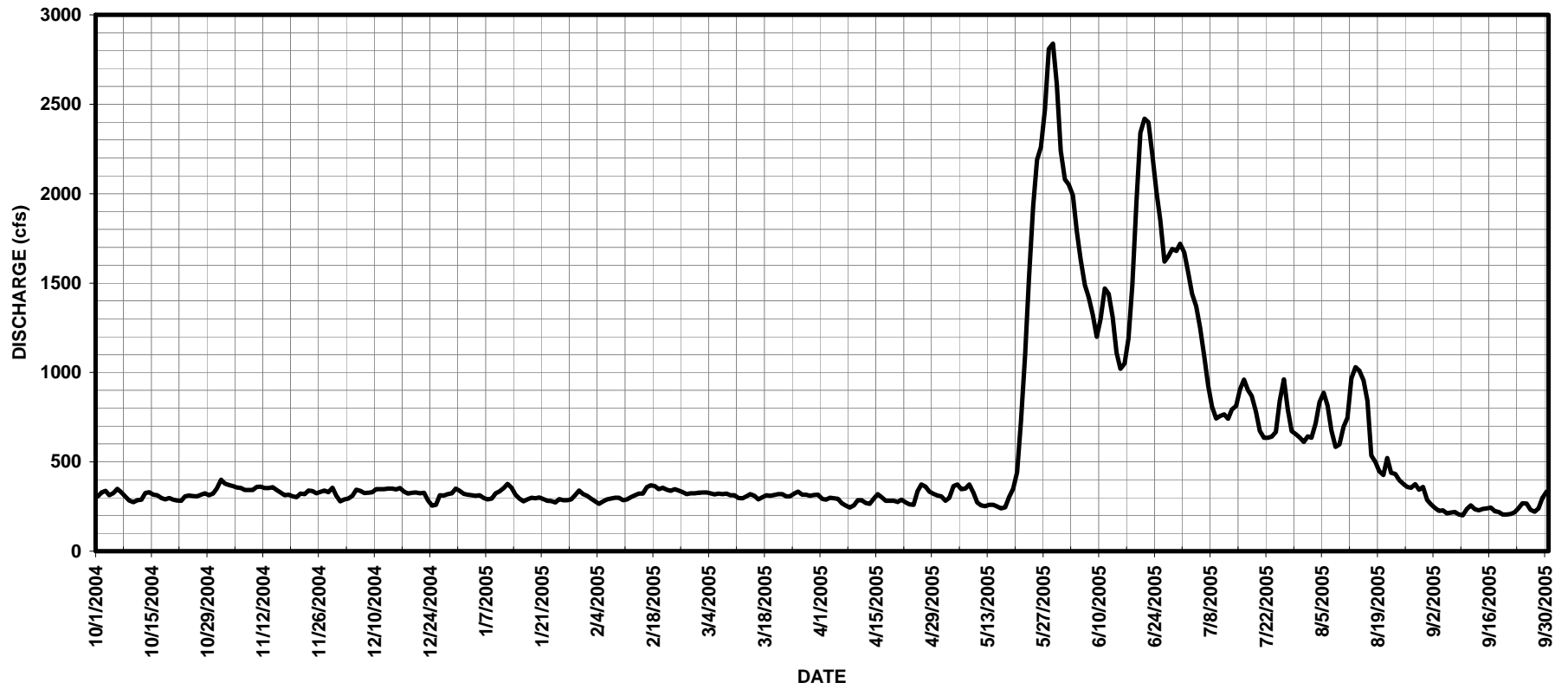
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	306	400	280	321	310	327	294	307	2080	1670	643	262
2	329	379	290	317	295	329	289	283	2050	1560	634	241
3	338	371	295	313	280	329	300	300	1990	1440	715	226
4	314	365	310	310	265	324	297	365	1790	1370	834	229
5	326	356	344	314	280	318	294	373	1630	1250	886	211
6	349	354	338	298	290	323	268	348	1490	1090	815	216
7	329	343	326	290	295	319	254	350	1420	928	674	219
8	306	342	327	295	300	322	244	373	1320	809	584	206
9	284	342	331	325	300	314	257	327	1200	743	597	201
10	275	360	347	335	285	313	286	273	1300	757	696	237
11	285	361	348	353	291	298	285	257	1470	766	748	257
12	289	353	348	376	302	297	270	251	1440	741	967	234
13	326	354	350	355	313	307	266	259	1310	794	1030	228
14	331	358	350	317	322	320	295	260	1110	812	1010	236
15	317	342	346	295	322	310	319	250	1020	905	955	239
16	313	329	354	280	358	290	302	240	1050	961	842	244
17	298	313	334	290	369	303	283	245	1190	902	535	224
18	291	317	322	300	364	313	283	302	1490	867	499	220
19	298	308	327	297	348	311	282	350	1960	782	448	205
20	289	303	329	301	355	315	277	442	2340	673	426	205
21	284	323	324	292	345	319	288	727	2420	635	522	208
22	283	319	327	283	338	319	273	1100	2400	635	439	218
23	307	339	285	281	347	308	263	1530	2220	641	433	241
24	312	337	255	273	340	308	260	1930	2010	667	398	269
25	309	325	260	292	330	323	335	2190	1850	842	376	267
26	308	332	313	285	320	334	374	2260	1620	962	360	231
27	316	339	312	285	324	317	362	2470	1650	793	355	221
28	325	331	320	290	325	317	334	2810	1690	672	375	239
29	314	355	325	315	---	311	321	2840	1680	654	344	298
30	322	310	350	340	---	315	312	2610	1720	636	359	334
31	352	---	338	320	---	317	---	2240	---	611	287	---
TOTAL	9625	10260	10005	9538	8913	9770	8767	28862	49910	27568	18786	7066
MEAN	310	342	323	308	318	315	292	931	1664	889	606	236
AC-FT	19090	20350	19840	18920	17680	19380	17390	57250	99000	54680	37260	14020
MAX	352	400	354	376	369	334	374	2840	2420	1670	1030	334
MIN	275	303	255	273	265	290	244	240	1020	611	287	201

CAL YR 2004 TOTAL 179457 MEAN 492 MAX 2340 MIN 199 AC-FT 355900
WTR YR 2005 TOTAL 199070 MEAN 545 MAX 2840 MIN 201 AC-FT 394900

MAX DISCH: 3060 CFS AT 19:00 ON May. 28, 2005 GH 5.19 FT. SHIFT 0.07 FT. DATUM 0.00 FT.
MAX GH: 5.19 FT. AT 19:00 ON May. 28, 2005

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

07097000 ARKANSAS RIVER AT PORTLAND CO
WY2005 HYDROGRAPH



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 mi². October 1965 to current year. Periodic water quality and sediment data available Oct. 1965 to current year.

GAGE.--Satellite-monitored data collection platform (high data rate Sutron 8210 DCP), Sutron Accububble, shaft encoder and chart recorder in a 4 ft x 4 ft concrete block shelter over a stilling well. Primary record is the DCP log of accububble data with the graphic chart recorder, shaft encoder, and satellite data used for backup purposes when the stilling well is not isolated (gage height 1.80 ft and below). Primary reference gage is outside staff gage for lower flows (maximum gage height of 2.69 feet), and an electric drop tape referenced to a fixed index mounted on the instrument shelf inside the shelter when well has contact to the river (gage height 1.80 feet and above). Cableway approximately 20 feet upstream from gage. USGS Hydrolab monitored by DCP. Elevation of gage is 4740 ft above NGV Datum of 1929.

REMARKS.--Record is complete and reliable for entire water year. The period from 1400 April 27-1000 May 20, satellite data were used due to a DCP malfunction (log file was lost). The period from 1600 June 20-0730 June 23, shaft encoder data were used due to a problem with the Accububble system. Record good. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--ARKPUECO17 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

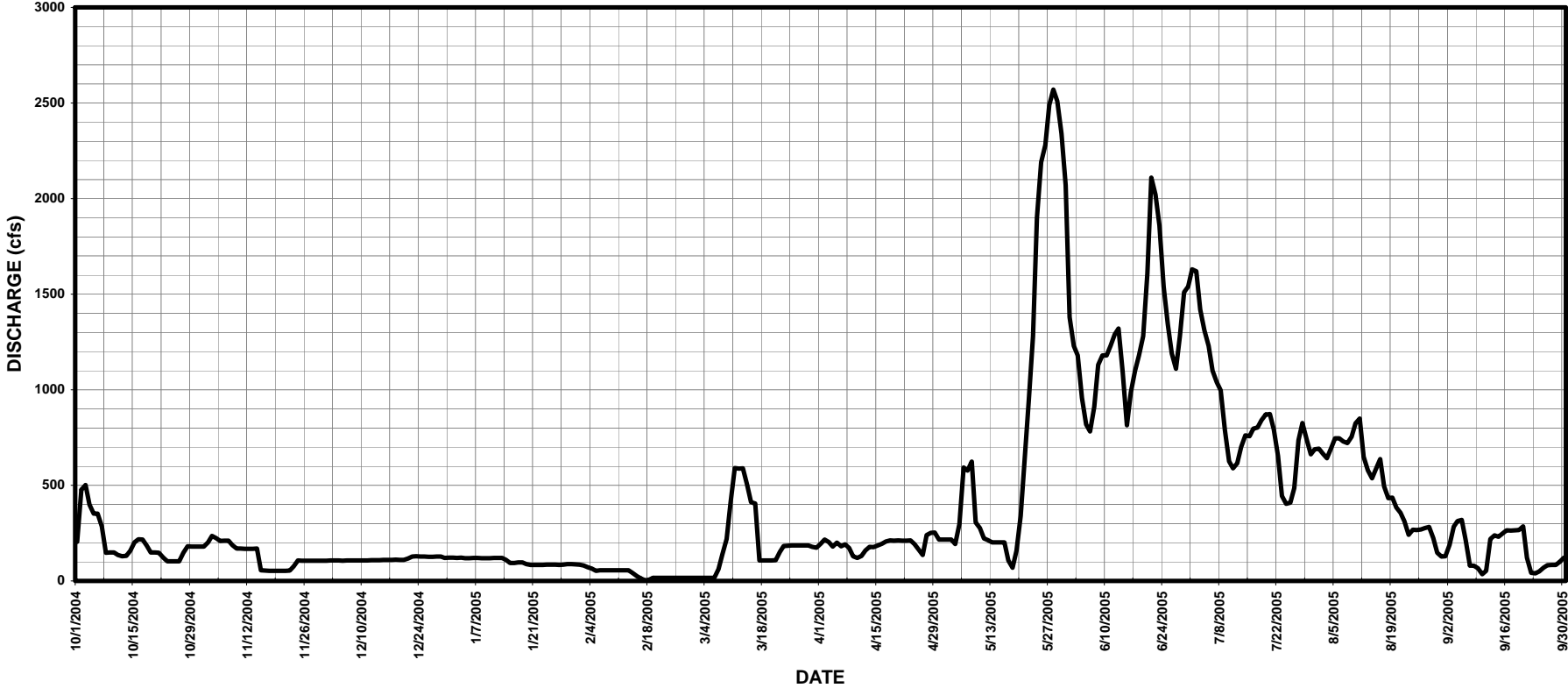
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	180	105	121	85	16	194	216	1380	1630	691	129
2	476	202	106	120	80	16	216	216	1230	1620	666	188
3	501	236	106	121	72	16	203	216	1180	1420	642	283
4	399	224	106	119	64	16	180	193	958	1310	694	313
5	352	209	105	119	53	16	201	298	819	1230	746	319
6	352	210	106	120	56	16	181	593	782	1100	746	214
7	285	210	107	120	56	62	191	578	911	1040	729	80
8	148	187	107	119	56	141	172	624	1130	997	721	79
9	149	169	107	119	56	220	129	306	1180	789	755	66
10	149	169	106	119	56	410	120	276	1180	625	824	35
11	136	168	106	120	56	590	130	222	1230	589	850	52
12	129	168	108	120	56	588	160	213	1290	616	649	219
13	131	168	108	120	56	589	178	202	1320	700	579	238
14	158	169	108	109	41	503	177	202	1090	762	537	231
15	202	55	109	94	25	412	185	202	814	758	586	249
16	218	54	110	94	13	405	195	202	987	797	638	264
17	217	53	110	96	2.2	107	206	106	1100	803	494	263
18	184	52	111	96	5.4	107	212	69	1180	841	433	264
19	149	52	110	88	16	107	211	158	1280	870	435	266
20	149	53	109	83	16	107	212	341	1610	873	384	285
21	148	53	117	84	16	108	211	653	2110	793	357	121
22	123	54	127	84	16	152	211	946	2020	653	311	43
23	102	76	128	84	16	183	212	1280	1860	444	241	40
24	103	107	127	85	16	184	193	1900	1540	404	268	50
25	103	105	127	85	16	185	165	2190	1340	410	266	69
26	103	105	126	85	16	185	136	2280	1190	486	269	82
27	147	105	126	84	16	185	240	2490	1110	735	277	84
28	181	105	127	85	16	185	252	2570	1280	826	282	84
29	180	105	127	88	---	185	253	2510	1510	741	223	100
30	180	105	120	87	---	179	216	2340	1540	663	147	121
31	180	---	121	86	---	174	---	2070	---	689	127	---
TOTAL	6239	3908	3523	3154	1048.6	6349	5742	26662	38151	26214	15567	4831
MEAN	201	130	114	102	37.4	205	191	860	1272	846	502	161
AC-FT	12380	7750	6990	6260	2080	12590	11390	52880	75670	52000	30880	9580
MAX	501	236	128	121	85	590	253	2570	2110	1630	850	319
MIN	102	52	105	83	2.2	16	120	69	782	404	127	35

CAL YR	2004	TOTAL	116810	MEAN	320	MAX	1970	MIN	52.0	AC-FT	231700
WTR YR	2005	TOTAL	141388.6	MEAN	387	MAX	2570	MIN	2.2	AC-FT	280400

MAX DISCH: 2610 CFS AT 08:15 ON May. 29, 2005 GH 5.74 FT. SHIFT 0.03 FT.
MAX GH: 5.74 FT. AT 08:15 ON May. 29, 2005

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

07099400 ARKANSAS RIVER ABOVE PUEBLO CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Sutron 8210 satellite-monitored high data rate data collection platform (DCP) with shaft encoder and graphic water-stage recorder, inside a 48-inch diameter corrugated metal pipe (CMP) shelter and well. Shaft encoder and chart set to inside electric tape gage. DCP logger is primary record with DCP data and A-35 chart record used for back-up purposes.

REMARKS.--Record is complete and reliable except for the following periods: November 29-30; December 1-6, 17-29, 2004; and January 5-8, 13-15, 29-31; February 1-11, 24-26; March 15-17, 2005 when the stage-discharge relationship was affected by ice in the well and or the river. Record fair except for periods of ice effect, which should be considered poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--HURREDCO23 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

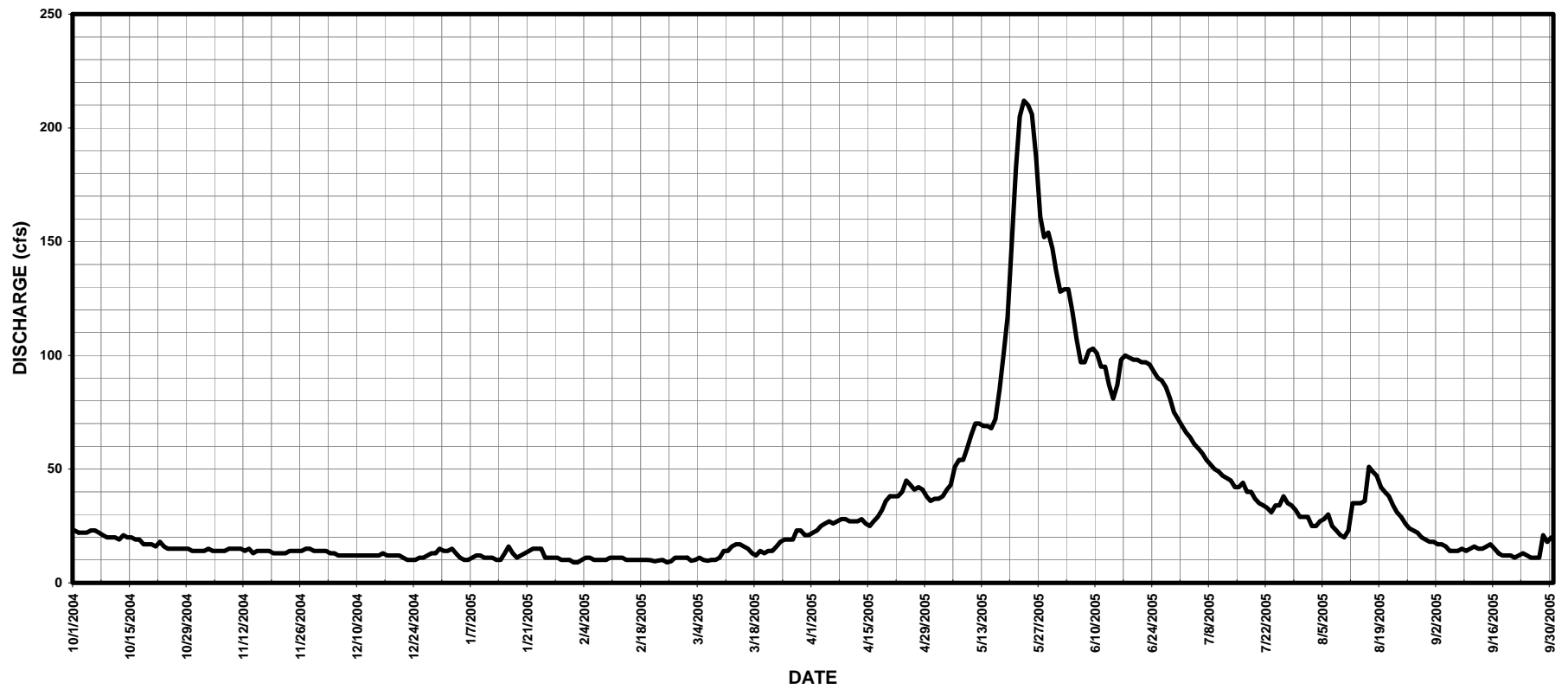
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	14	14	14	9	11	22	37	128	69	29	18
2	22	14	14	15	9	9.7	23	37	129	66	25	17
3	22	15	13	13	10	10	25	38	129	64	25	17
4	22	14	13	11	11	11	26	41	119	61	27	16
5	23	14	12	10	11	10	27	43	107	59	28	14
6	23	14	12	10	10	9.7	26	51	97	57	30	14
7	22	14	12	11	10	10	27	54	97	54	25	14
8	21	15	12	12	10	10	28	54	102	52	23	15
9	20	15	12	12	10	11	28	59	103	50	21	14
10	20	15	12	11	11	14	27	65	101	49	20	15
11	20	15	12	11	11	14	27	70	95	47	23	16
12	19	14	12	11	11	16	27	70	95	46	35	15
13	21	15	12	10	11	17	28	69	87	45	35	15
14	20	13	12	10	10	17	26	69	81	42	35	16
15	20	14	12	13	10	16	25	68	87	42	36	17
16	19	14	13	16	10	15	27	72	98	44	51	15
17	19	14	12	13	10	13	29	85	100	40	49	13
18	17	14	12	11	10	12	32	100	99	40	47	12
19	17	13	12	12	10	14	36	117	98	37	42	12
20	17	13	12	13	9.9	13	38	149	98	35	40	12
21	16	13	11	14	9.4	14	38	182	97	34	38	11
22	18	13	10	15	9.8	14	38	205	97	33	34	12
23	16	14	10	15	10	16	40	212	96	31	31	13
24	15	14	10	15	9	18	45	210	93	34	29	12
25	15	14	11	11	9.5	19	43	206	90	34	26	11
26	15	14	11	11	11	19	41	187	89	38	24	11
27	15	15	12	11	11	19	42	161	86	35	23	11
28	15	15	13	11	11	23	41	152	81	34	22	21
29	15	14	13	10	---	23	38	154	75	32	20	18
30	14	14	15	10	---	21	36	147	72	29	19	20
31	14	---	14	10	---	21	---	137	---	29	18	---
TOTAL	575	423	377	372	284.6	460.4	956	3301	2926	1362	930	437
MEAN	19	14	12	12	10.2	14.9	32	106	98	44	30	15
AC-FT	1140	839	748	738	565	913	1900	6550	5800	2700	1840	867
MAX	23	15	15	16	11	23	45	212	129	69	51	21
MIN	14	13	10	10	9	9.7	22	37	72	29	18	11

CAL YR 2004 TOTAL 9053.3 MEAN 24.7 MAX 217 MIN 7 AC-FT 17960
WTR YR 2005 TOTAL 12404 MEAN 34 MAX 212 MIN 9 AC-FT 24600

MAX DISCH: 233 CFS AT 22:45 ON May. 23, 2005 GH 3.43 FT. SHIFT 0.25 FT.
MAX GH: 3.43 FT. AT 22:45 ON May. 23, 2005

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

07111000 HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

HUERFANO RIVER AT BADITO, CO

LOCATION.--Latitude 37° 43' 39", Longitude 105° 00' 50" (Farisita, Colorado quadrangle, 1:24000 scale) in the E½ SE¼ Sec.5, T27S, R68W, Huerfano County on left bank, 30 feet downstream of the crossing of CR 616 bridge and Huerfano River.

DRAINAGE AREA.--N/A.

GAGE.--Sutron SatLink 2 high data rate satellite-monitored data collection platform (DCP) and Sutron Accubar in a 4 ft x 6 ft steel shelter. The primary record is the DCP log data with satellite data used for backup. The primary gage is a concrete slope gage immediately below the orifice. Equipment installed and gage started in operation May 4, 2005. Elevation of gage is approximately 6,460 ft above mean sea level from topographic map.

REMARKS.--Record is complete and reliable during the period of operation during WY2005. Record good during period of operation, except for periods when flows exceeded 350 cfs. This is a partial year record. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--HUEBADCO02A USED FROM 04-MAY-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

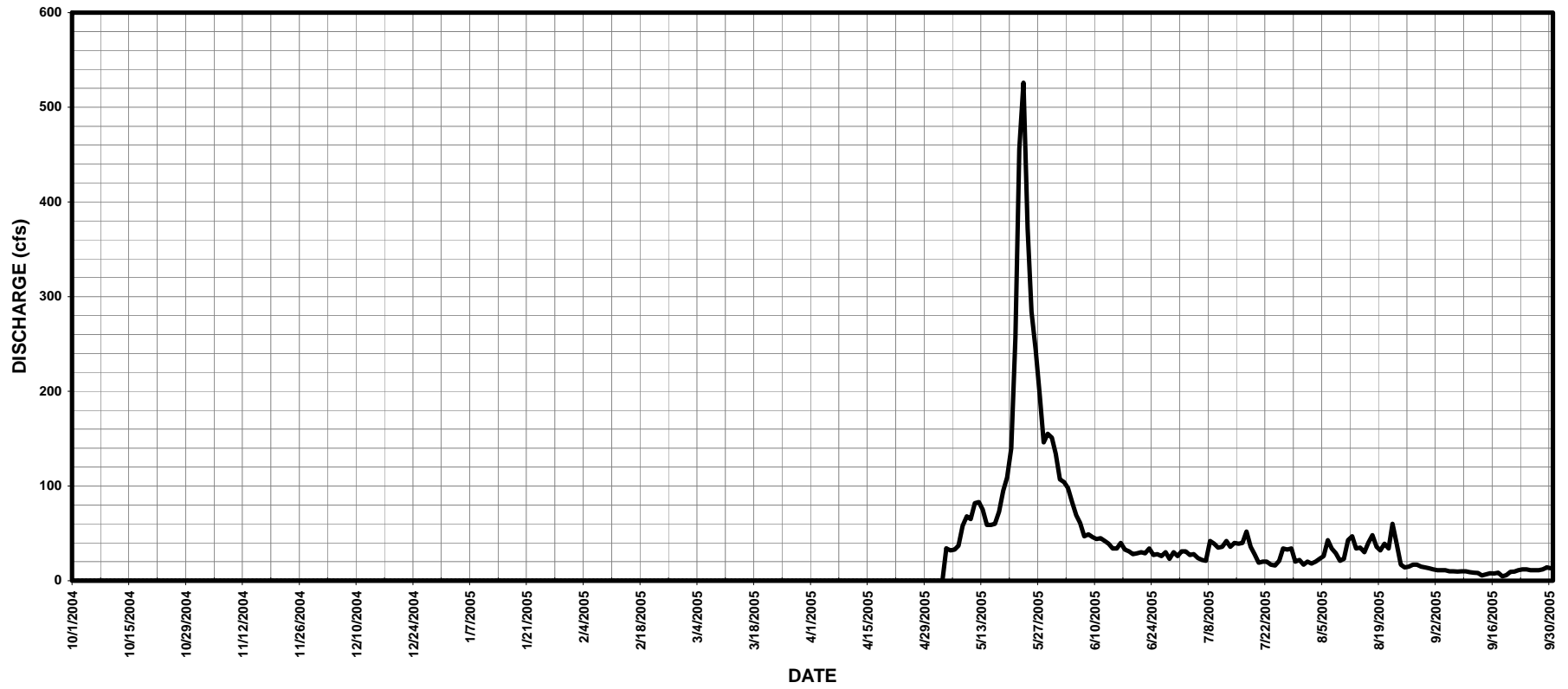
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-	-	-	-	-	-	-	-	107	31	20	12
2	-	-	-	-	-	-	-	-	104	31	18	11
3	-	-	-	-	-	-	-	-	98	27	20	11
4	-	-	-	-	-	-	-	34	83	28	23	11
5	-	-	-	-	-	-	-	32	69	24	26	10
6	-	-	-	-	-	-	-	33	61	22	43	10
7	-	-	-	-	-	-	-	37	47	21	34	9.6
8	-	-	-	-	-	-	-	58	49	42	29	10
9	-	-	-	-	-	-	-	68	46	39	21	9.9
10	-	-	-	-	-	-	-	65	44	35	23	8.9
11	-	-	-	-	-	-	-	82	45	36	43	8.6
12	-	-	-	-	-	-	-	83	42	42	47	8.2
13	-	-	-	-	-	-	-	75	39	36	34	5.6
14	-	-	-	-	-	-	-	59	34	40	35	6.6
15	-	-	-	-	-	-	-	59	34	39	30	7.9
16	-	-	-	-	-	-	-	60	40	40	40	7.5
17	-	-	-	-	-	-	-	73	33	52	48	8.5
18	-	-	-	-	-	-	-	95	31	36	36	4.8
19	-	-	-	-	-	-	-	109	28	28	32	5.7
20	-	-	-	-	-	-	-	140	29	19	39	9.2
21	-	-	-	-	-	-	-	257	30	20	34	9.5
22	-	-	-	-	-	-	-	456	29	20	60	11
23	-	-	-	-	-	-	-	526	34	17	39	12
24	-	-	-	-	-	-	-	372	27	16	17	12
25	-	-	-	-	-	-	-	284	28	21	14	11
26	-	-	-	-	-	-	-	244	26	34	15	11
27	-	-	-	-	-	-	-	195	30	33	17	11
28	-	-	-	-	-	-	-	146	23	34	17	12
29	-	-	-	-	---	-	-	155	30	20	15	14
30	-	-	-	-	---	-	-	151	26	22	14	13
31	-	---	-	-	---	-	---	134	---	17	13	---
TOTAL	-	-	-	-	-	-	-	4082	1346	922	896	292.5
MEAN	-	-	-	-	-	-	-	132	45	30	29	9.8
AC-FT	-	-	-	-	-	-	-	8100	2670	1830	1780	580
MAX	-	-	-	-	-	-	-	526	107	52	60	14
MIN	-	-	-	-	-	-	-	-	23	16	13	4.8

CAL YR	2004	TOTAL	NA	MEAN	NA	MAX	NA	MIN	NA	AC-FT	NA
WTR YR	2005	TOTAL	7538.5	MEAN	20.7	MAX	526	MIN	NA	AC-FT	14950 (PARTIAL YEAR)

MAX DISCH: 718 CFS AT 11:15 ON May. 22, 2005 GH 3.65 FT. SHIFT -0.53 FT. (PARTIAL YEAR)
MAX GH: 3.65 FT. AT 11:15 ON May. 22, 2005

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

HUERFANO RIVER AT BADITO CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Sutron model 8210 satellite-monitored data collection platform (DCP) with a High Data Rate (HDR) radio transmitter, with shaft encoder and graphic water-stage recorder in a 42-inch diameter corrugated metal pipe (CMP) shelter over 48-inch corrugated pipe well. Shaft encoder and chart are set using a drop-tape from a reference mark on the front of the equipment shelf. DCP log is primary record with graphic chart record and satellite data used for back-up purposes. A temperature sensor was installed November 5, 2002 and was started in use on November 27, 2002. Supplemental outside staff gage is not currently used.

REMARKS.--Record is complete and reliable except for the following periods: November 1-5, 14-16, 20-30; December 1-6, 13-22, 29-31, 2004; January 1, 2, 5-9, 12-15, 18-20, 22-24, 26, 29-31; February 1-11, 14, 15, 17-18, 20-28; March 1-9, 14-19, 22, 26, 27, 30, 31; April 1-3, 6, 10-12, 2005 when the stage-discharge relationship was affected by ice in the well and river channel. December 23-28, 2004 when the floats were frozen in the well. Record considered good, except during periods of ice effect, which is poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--CRBRLVCO14 USED FROM 01-OCT-2004 TO 30-SEP-2005

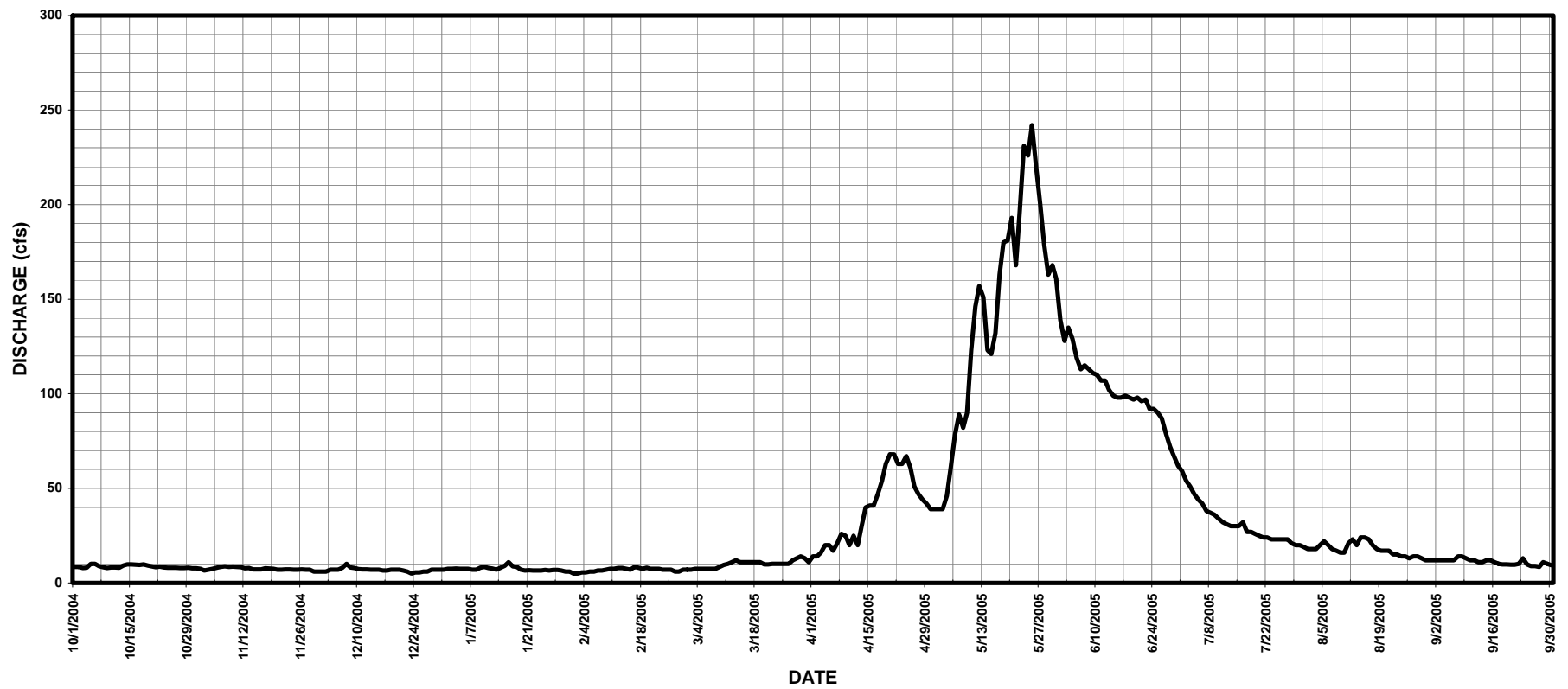
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	7.5	6	7.5	5	7	14	39	139	59	18	12
2	8.4	6.5	6	7.5	5	7	14	39	128	54	18	12
3	7.9	7	7	7.6	5.5	7.5	16	39	135	51	18	12
4	8	7.5	7	7.5	5.5	7.5	20	46	129	47	20	12
5	10	8	7	7.5	6	7.5	20	61	119	44	22	12
6	10	8.5	8	7.5	6	7.5	17	78	113	42	20	12
7	8.9	8.7	10	7	6.5	7.5	21	89	115	38	18	14
8	8.3	8.5	8.2	7	6.5	7.5	26	82	113	37	17	14
9	7.9	8.6	7.9	8	7	8.5	25	90	111	36	16	13
10	8.1	8.5	7.3	8.5	7.5	9.5	20	123	110	34	16	12
11	8.2	8.3	7.1	7.9	7.5	10	25	146	107	32	21	12
12	8	7.7	7.1	7.6	7.9	11	20	157	107	31	23	11
13	9.2	7.9	7	7	7.9	12	30	151	102	30	20	11
14	9.7	7.2	7	8	7.5	11	40	123	99	30	24	12
15	9.8	7.2	7	9	7	11	41	121	98	30	24	12
16	9.6	7.2	6.5	11	8.4	11	41	132	98	32	23	11
17	9.5	7.7	6.5	8.8	8	11	47	163	99	27	20	10
18	9.8	7.6	7	8.5	7.5	11	54	180	98	27	18	9.8
19	9.2	7.4	7	7	8	11	63	181	97	26	17	9.7
20	8.7	7	7	6.5	7.5	9.7	68	193	98	25	17	9.6
21	8.3	7	6.5	6.7	7.5	9.7	68	168	96	24	17	9.6
22	8.6	7.2	6	6.5	7.5	10	63	197	97	24	15	10
23	8.1	7.2	5	6.5	7	10	63	231	92	23	15	13
24	8	7	5.5	6.5	7	10	67	226	92	23	14	9.7
25	8	7	5.5	6.9	7	10	61	242	90	23	14	8.9
26	8	7.2	6	6.5	6	10	51	220	87	23	13	8.9
27	7.8	7	6	6.9	6	12	47	200	79	23	14	8.5
28	7.9	7	7	6.8	7	13	44	179	72	21	14	11
29	8	6	7	6.5	---	14	42	163	67	20	13	10
30	7.7	6	7	6	---	13	39	168	62	20	12	9.3
31	7.7	---	7	6	---	11	---	161	---	19	12	---
TOTAL	265.7	223.1	212.1	228.7	192.7	308.4	1167	4388	3049	975	543	332
MEAN	8.6	7.4	6.8	7.4	6.9	10	39	142	102	32	18	11.1
AC-FT	527	443	421	454	382	612	2310	8700	6050	1930	1080	659
MAX	10	8.7	10	11	8.4	14	68	242	139	59	24	14
MIN	7.7	6	5	6	5	7	14	39	62	19	12	8.5
CAL YR 2004	TOTAL	8457.6	MEAN	23.3	MAX	212	MIN	5.2	AC-FT	16950		
WTR YR 2005	TOTAL	11884.7	MEAN	32.6	MAX	242	MIN	5	AC-FT	23570		

MAX DISCH: 321 CFS AT 02:00 ON May. 25, 2005 GH 2.1 FT. SHIFT -0.17 FT.
MAX GH: 2.1 FT. AT 02:00 ON May. 25, 2005

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

07114000 CUCCHARAS RIVER AT BOYD RANCH NEAR LA VETA CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

CUCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA, CO

LOCATION.--Lat 37° 33' 02", Long 104° 56' 11", in the NE¼ SW¼ Sec.6, T29S, R67W Huerfano County, on right bank at the Valley Road Harrison Bridge crossing of Cucharas River approximately ¼ mile south of the intersection of Valley Road and Highway 160.

DRAINAGE AREA.--N/A.

GAGE.--Sutron 8210 data collection platform (DCP) and shaft encoder. The shaft encoder is housed inside of a 20" x 30" metal shelter atop an 18-inch stilling well attached to the center bridge pier. DCP is in a 4 ft x 4 ft steel shelter approximately 150 feet south of the right bank. Primary reference gage is a drop tape from a reference mark on the bridge guardrail 20 feet to the right of the stilling well. The DCP was upgraded to a high data rate radio transmitter on March 20, 2005. DCP log is primary record with satellite data used for back-up purposes. Elevation of gage is 6654 ft MSL from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: November 2-5, 22, 23, 28, 29; December 6-11, 14-21, 30, 31, 2004; January 1-4, 9, 12, 17, 18, 29-31; February 6-11, 17, 18, 24-28; March 1-11, 15-21, 27, 31; April 1, 2005 when the stage-discharge relationship was affected by ice in river channel. November 30; Dec 1-5, 22-29, 2004; January 5-8, 13-16; February 1-5, 2005 when floats were frozen in the well. September 5, 6, 11, 12, 2005 when the well was isolated. Record fair, except during periods of ice effect and no gage height, which are poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--CRHBLVCO02 USED FROM 01-OCT-2004 TO 04-OCT-2005

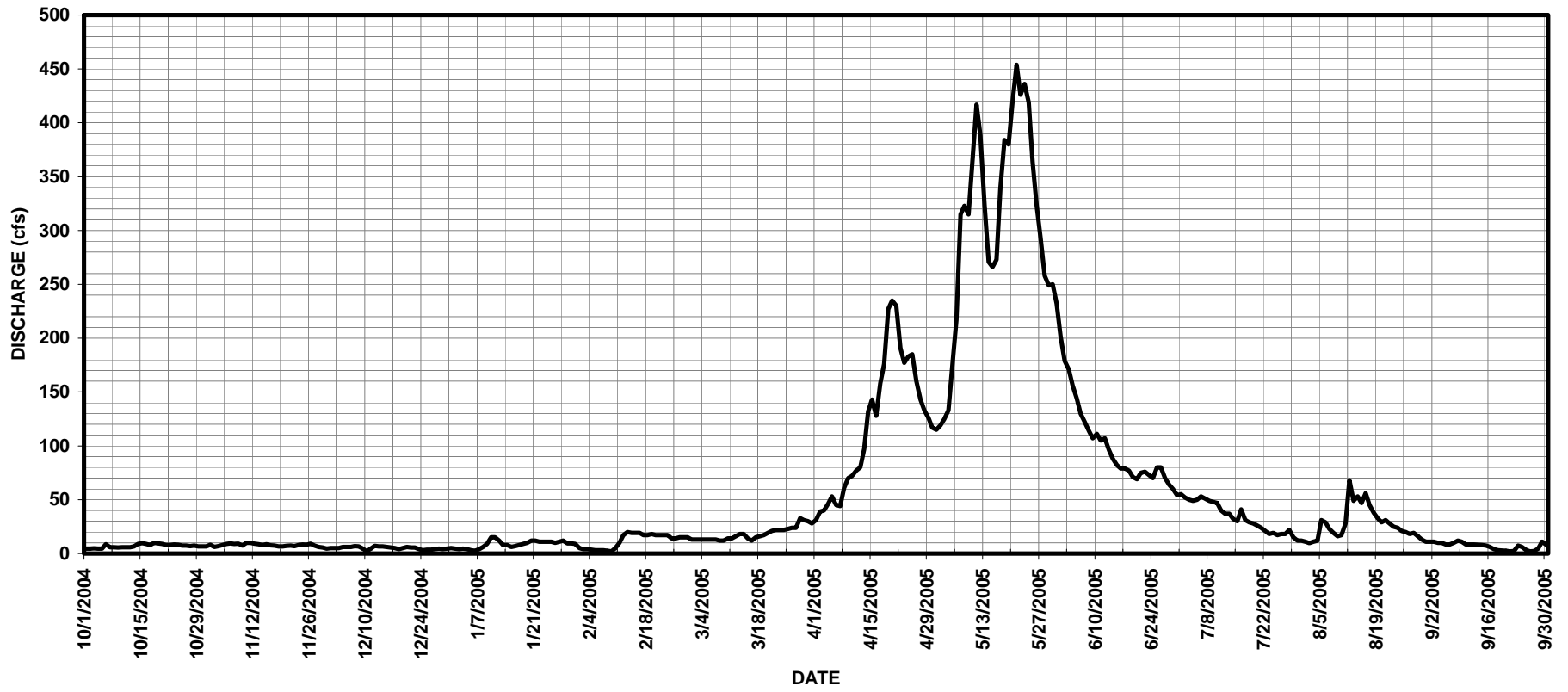
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	8.2	5	4.5	5	13	31	115	202	55	11	11
2	4.7	6	5	4	4	13	39	119	179	52	9.7	11
3	4.8	7	5	4.5	4	13	40	125	171	50	11	10
4	4.7	8	6	4	3.5	13	46	133	156	49	12	9.9
5	4.7	9	6	3	3	13	53	174	144	50	31	8.5
6	8.6	9.5	6	2.5	3	13	45	217	130	53	29	8.5
7	5.9	8.9	7	4	3	13	44	315	122	51	23	10
8	5.8	9.1	6.5	6	2.5	12	61	323	114	49	19	12
9	5.7	7.4	4.5	9	2	12	70	315	107	48	16	11
10	5.8	9.9	2	15	5	14	72	364	111	47	17	8.5
11	5.8	9.9	4.5	15	10	14	77	417	105	40	28	8.5
12	5.8	9.3	7.1	12	17	16	80	388	107	37	68	8.5
13	6.5	8.6	6.6	8	20	18	97	324	96	37	49	8.1
14	8.9	7.8	6.5	8	19	18	132	271	88	32	53	8
15	9.6	8.7	6	6	19	14	143	266	82	30	47	7.4
16	8.9	7.6	5.5	7	19	12	128	273	79	41	56	6.2
17	7.9	7.3	5	8	17	15	158	339	79	31	45	4.2
18	10	6.7	4	9	17	16	176	384	77	29	38	3
19	9.4	6.7	5	10	18	17	227	380	71	28	33	2.8
20	8.8	7.2	6	12	17	19	235	419	69	26	29	2.5
21	8	7.4	5.5	12	17	21	230	454	75	24	31	2.1
22	7.8	7	5.5	11	17	22	191	426	76	21	28	2.3
23	8.3	8	4	11	17	22	177	436	73	18	25	7.3
24	8.1	8.3	3	11	14	22	183	419	70	19	24	6.1
25	7.5	8.1	3.5	11	14	23	185	364	80	17	21	3.2
26	7.5	9.1	3.5	10	15	24	160	323	80	18	20	2
27	6.9	7.4	4	11	15	24	143	293	70	18	18	2.3
28	7.3	6	4.5	12	15	33	133	258	64	22	19	4.7
29	6.5	5.5	4	9.5	---	31	126	249	60	15	16	11
30	6.7	4.5	4.5	9.5	---	30	117	250	54	12	13	8.2
31	6.5	---	5	9	---	28	---	232	---	12	11	---
TOTAL	218.1	234.1	156.2	268.5	332	568	3599	9365	2991	1031	850.7	208.8
MEAN	7	7.8	5	8.7	11.9	18	120	302	100	33	27.4	7
AC-FT	433	464	310	533	659	1130	7140	18580	5930	2040	1690	414
MAX	10	9.9	7.1	15	20	33	235	454	202	55	68	12
MIN	4.7	4.5	2	2.5	2	12	31	115	54	12	9.7	2
CAL YR 2004	TOTAL	11316.77	MEAN	30.9	MAX	423	MIN	0	AC-FT	22450		
WTR YR 2005	TOTAL	19822.4	MEAN	54.3	MAX	454	MIN	2	AC-FT	39320		

MAX DISCH: 500 CFS AT 08:30 ON May. 21, 2005 GH 3.77 FT. SHIFT -0.19 FT.
MAX GH: 3.77 FT. AT 08:30 ON May. 21, 2005

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

CUCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA CO
WY2005 HYDROGRAPH



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.--Sutron SatLink DCP/logger with High Data Rate radio, which monitors a shaft encoder in a stilling well inside a wood frame shelter. A float-activated A-35 graphic water-stage recorder is also in the stilling well. Primary record is the DCP log data with 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.

REMARKS.--Record is complete and reliable. Record is considered good. Record developed by A.D. Gutierrez.

RATING TABLE.--STD12FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

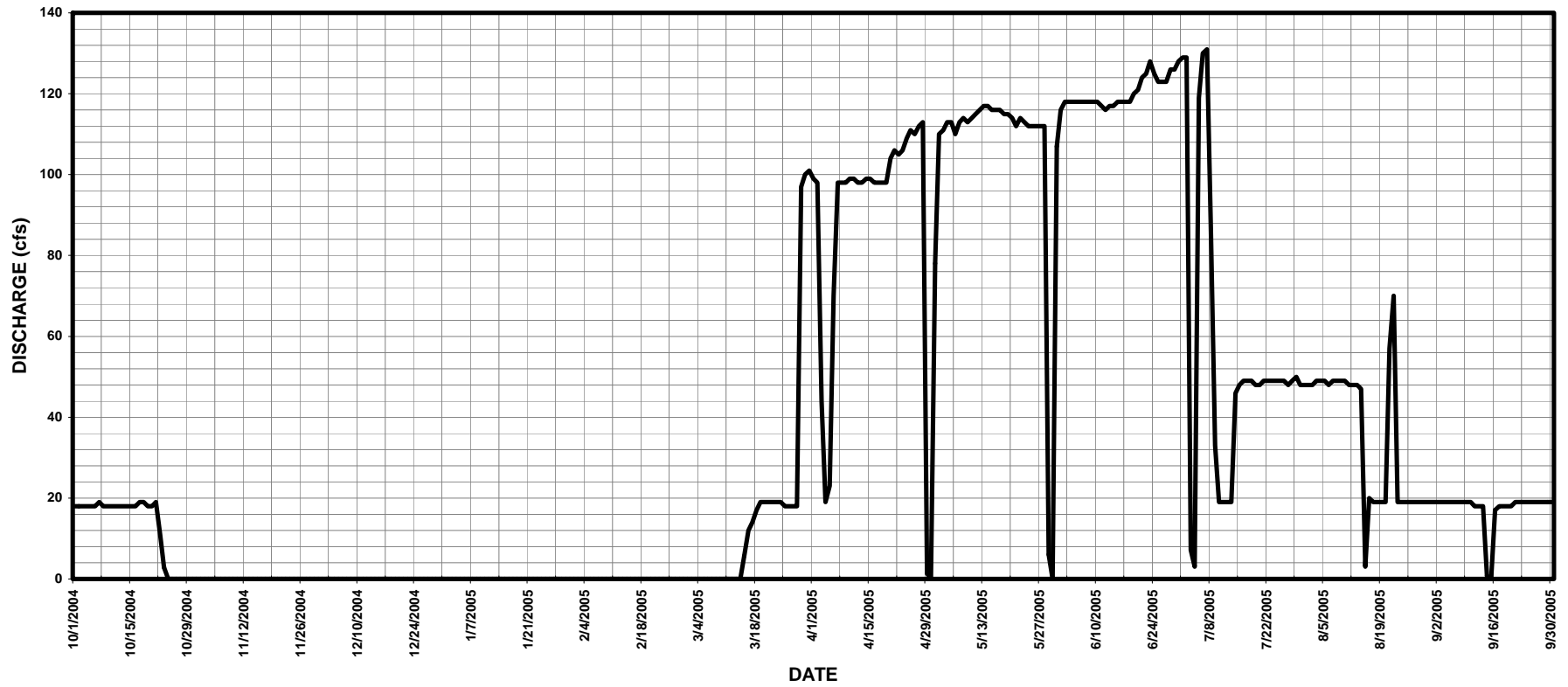
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	0	0	0	0	0	99	78	116	129	48	19
2	18	0	0	0	0	0	98	110	118	129	48	19
3	18	0	0	0	0	0	44	111	118	7.2	49	19
4	18	0	0	0	0	0	19	113	118	3	49	19
5	18	0	0	0	0	0	23	113	118	119	49	19
6	18	0	0	0	0	0	70	110	118	130	48	19
7	19	0	0	0	0	0	98	113	118	131	49	19
8	18	0	0	0	0	0	98	114	118	86	49	19
9	18	0	0	0	0	0	98	113	118	33	49	19
10	18	0	0	0	0	0	99	114	118	19	49	19
11	18	0	0	0	0	0	99	115	117	19	48	18
12	18	0	0	0	0	0	98	116	116	19	48	18
13	18	0	0	0	0	0	98	117	117	19	48	18
14	18	0	0	0	0	0	99	117	117	46	47	.79
15	18	0	0	0	0	5.7	99	116	118	48	3	0
16	18	0	0	0	0	12	98	116	118	49	20	17
17	19	0	0	0	0	14	98	116	118	49	19	18
18	19	0	0	0	0	17	98	115	118	49	19	18
19	18	0	0	0	0	19	98	115	120	48	19	18
20	18	0	0	0	0	19	104	114	121	48	19	18
21	19	0	0	0	0	19	106	112	124	49	57	19
22	11	0	0	0	0	19	105	114	125	49	70	19
23	2.8	0	0	0	0	19	106	113	128	49	19	19
24	0	0	0	0	0	19	109	112	125	49	19	19
25	0	0	0	0	0	18	111	112	123	49	19	19
26	0	0	0	0	0	18	110	112	123	49	19	19
27	0	0	0	0	0	18	112	112	123	48	19	19
28	0	0	0	0	0	18	113	112	126	49	19	19
29	0	0	0	0	---	97	1.4	6.1	126	50	19	19
30	0	0	0	0	---	100	0	0	128	48	19	19
31	0	---	0	0	---	101	---	107	---	48	19	---
TOTAL	395.8	0	0	0	0	532.7	2608.4	3258.1	3609	1717.2	1075	523.79
MEAN	12.8	0	0	0	0	17.2	86.9	105	120	55.4	34.7	17.5
AC-FT	785	0	0	0	0	1060	5170	6460	7160	3410	2130	1040
MAX	19	0	0	0	0	101	113	117	128	131	70	19
MIN	0	0	0	0	0	0	0	0	116	3	3	0

CAL YR 2004 TOTAL 10389.41 MEAN 28.4 MAX 119 MIN 0 AC-FT 20610
WTR YR 2005 TOTAL 13719.99 MEAN 37.6 MAX 131 MIN 0 AC-FT 27210

MAX DISCH: 132 CFS AT 09:00 ON Jun. 23, 2005 GH 1.91 FT. SHIFT 0 FT.
MAX GH: 1.91 FT. AT 09:00 ON Jun. 23, 2005

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

OXFORD FARMERS DITCH NEAR NEPESTA CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Sutron 8210 High Data Rate satellite-monitored data collection platform (DCP) with data logger and Sutron Accubar with constant nitrogen bubbling using a site feed assembly in a 4 ft x 4 ft steel shelter. The primary record is the DCP log data with satellite data used for backup. The primary gage is a wire weight gage attached to the bridge approximately 120 ft south of the shelter. Elevation of gage is 4,355 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for the periods: November 30; December 1-4, 23-30, 2004; January 5-8, 13-17, 2005 when ice affected the stage-discharge relationship. January 18, 19, and February 10-11, 2005, when the nitrogen tank was turned off or there was a problem with the nitrogen feed assembly. February 25-28 and March 1, 2005 when the gage height data became very erratic due to sand movement in the channel. Record is considered fair during period of good data collection and considered poor during periods of ice or missing data. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--ARKNEPC015 USED FROM 01-OCT-2004 TO 30-SEP-2005

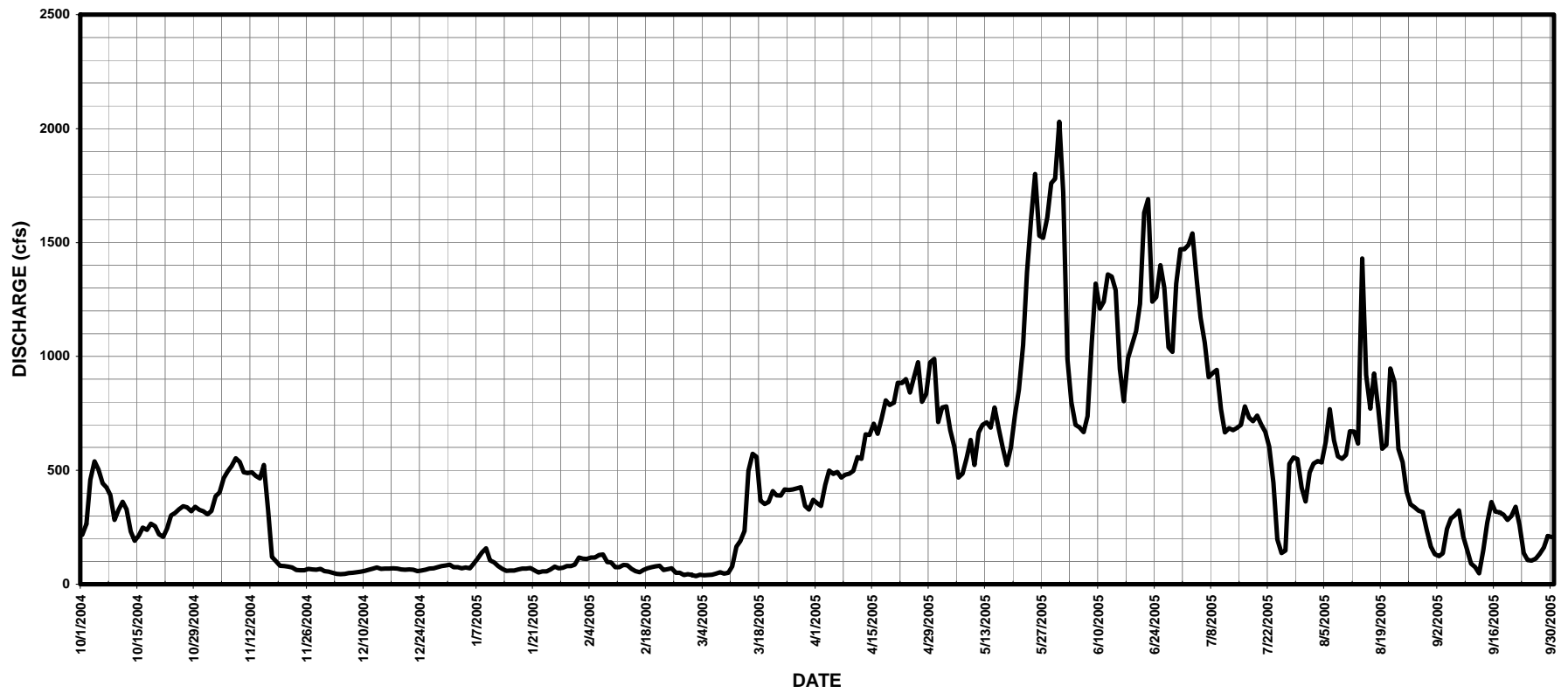
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	217	307	55	75	117	40	356	712	1720	1470	491	132
2	264	322	50	74	113	36	344	775	990	1490	530	123
3	459	387	45	70	111	41	435	780	800	1540	540	136
4	539	402	44	73	118	39	499	676	700	1340	535	242
5	504	466	45	70	118	40	484	602	689	1170	628	289
6	443	495	49	90	129	42	493	469	668	1060	768	303
7	425	519	50	115	131	46	469	486	738	909	632	324
8	392	553	52	140	98	53	481	551	1060	927	562	210
9	282	537	55	158	95	46	486	634	1320	941	550	152
10	325	492	59	105	74	50	498	523	1210	768	568	90
11	362	488	63	96	74	78	558	666	1240	666	671	75
12	329	492	68	79	84	165	550	700	1360	685	670	48
13	231	476	73	67	83	190	658	711	1350	676	618	151
14	191	465	67	59	67	234	656	687	1290	686	1430	270
15	214	523	68	60	58	498	704	775	944	699	918	361
16	248	327	68	60	52	573	660	682	804	780	771	319
17	238	120	70	65	62	559	726	601	992	732	925	316
18	265	100	69	69	70	367	807	523	1050	715	769	306
19	255	81	65	69	74	352	787	598	1110	740	594	282
20	219	79	63	71	78	361	798	742	1230	702	612	300
21	208	77	65	61	81	409	884	854	1630	669	947	340
22	245	73	64	51	62	390	883	1050	1690	603	887	259
23	302	62	58	56	66	389	900	1370	1240	446	593	137
24	313	61	60	56	70	416	842	1610	1260	197	536	106
25	329	61	63	65	50	413	906	1800	1400	137	407	104
26	342	67	68	77	50	416	975	1530	1300	148	351	113
27	338	65	70	70	40	421	801	1520	1040	528	338	133
28	320	63	74	72	44	426	835	1610	1020	557	323	162
29	340	67	80	79	---	344	974	1760	1320	549	317	211
30	327	58	82	79	---	328	990	1780	1470	423	238	207
31	321	---	86	86	---	370	---	2030	---	363	165	---
TOTAL	9787	8285	1948	2417	2269	8132	20439	29807	34635	23316	18884	6201
MEAN	316	276	63	78	81	262	681	962	1155	752	609	207
AC-FT	19410	16430	3860	4790	4500	16130	40540	59120	68700	46250	37460	12300
MAX	539	553	86	158	131	573	990	2030	1720	1540	1430	361
MIN	191	58	44	51	40	36	344	469	668	137	165	48
CAL YR	2004	TOTAL	152661	MEAN	417	MAX	2310	MIN	36	AC-FT	302800	
WTR YR	2005	TOTAL	166120	MEAN	455	MAX	2030	MIN	36	AC-FT	329500	

MAX DISCH: 3270 CFS AT 16:00 ON Aug. 14, 2005 GH 14.19 FT. SHIFT -0.7 FT. DATUM CORRECTION +0.02 FT.
MAX GH: 14.19 FT. AT 16:00 ON Aug. 14, 2005

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

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA CO (RIVER ONLY)
WY2005 HYDROGRAPH



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 mi².

REMARKS.--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 3320 cfs at 16:00 August 14, 2005. Combined record is fair, except during periods of estimated flow, which should be considered poor. 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. Record developed by Div. II Hydrographic Staff.

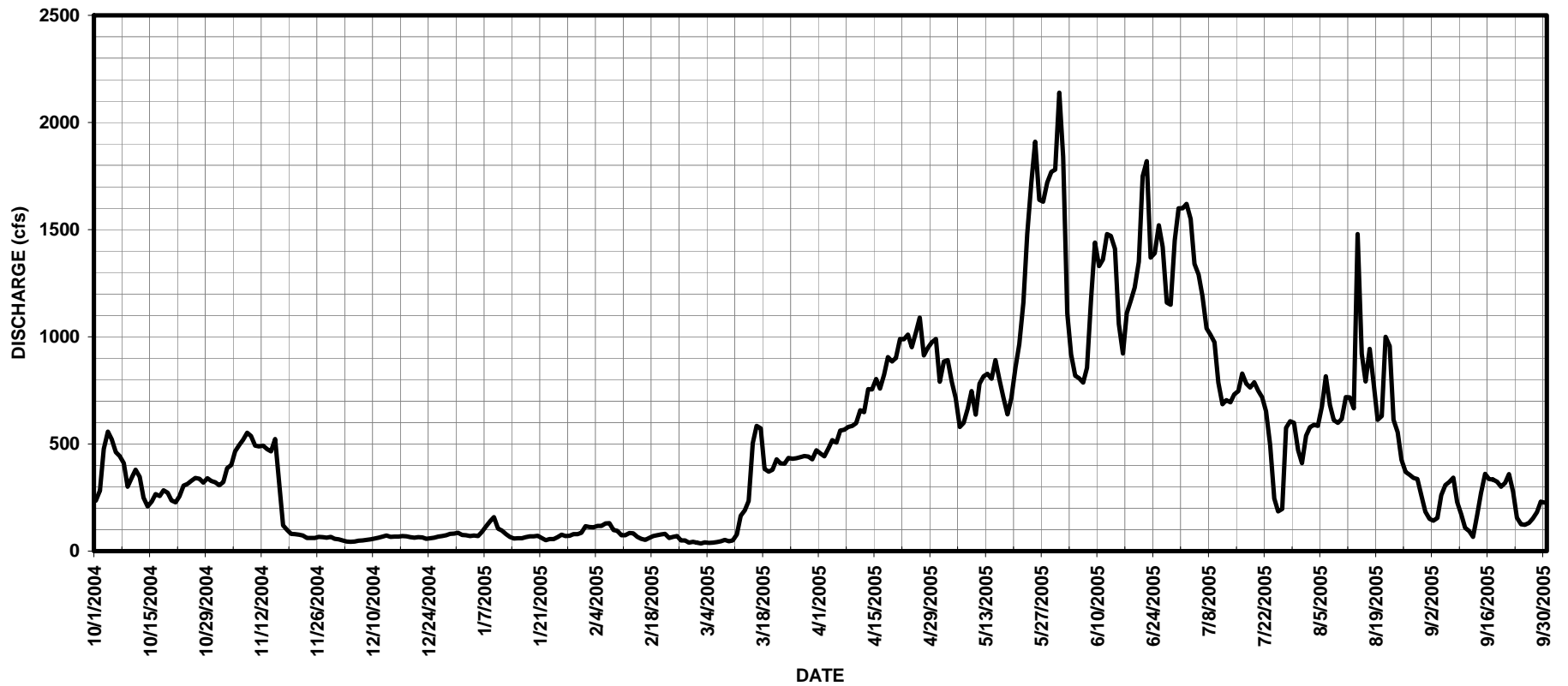
ARKANSAS RIVER AT NEPESTA BRIDGE AND OXFORD FARMERS DITCH (COMBINED)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	235	307	55	75	117	40	455	790	1840	1600	539	151
2	282	322	50	74	113	36	442	885	1110	1620	578	142
3	477	387	45	70	111	41	479	891	918	1550	589	155
4	557	402	44	73	118	39	518	789	818	1340	584	261
5	522	466	45	70	118	40	507	715	807	1290	677	308
6	461	495	49	90	129	42	563	579	786	1190	816	322
7	444	519	50	115	131	46	567	599	856	1040	681	343
8	410	553	52	140	98	53	579	665	1180	1010	611	229
9	300	537	55	158	95	46	584	747	1440	974	599	171
10	343	492	59	105	74	50	597	637	1330	787	617	109
11	380	488	63	96	74	78	657	781	1360	685	719	93
12	347	492	68	79	84	165	648	816	1480	704	718	66
13	249	476	73	67	83	190	756	828	1470	695	666	169
14	209	465	67	59	67	234	755	804	1410	732	1480	271
15	232	523	68	60	58	504	803	891	1060	747	921	361
16	266	327	68	60	52	585	758	798	922	829	791	336
17	257	120	70	65	62	573	824	717	1110	781	944	334
18	284	100	69	69	70	384	905	638	1170	764	788	324
19	273	81	65	69	74	371	885	713	1230	788	613	300
20	237	79	63	71	78	380	902	856	1350	750	631	318
21	227	77	65	61	81	428	990	966	1750	718	1000	359
22	256	73	64	51	62	409	988	1160	1820	652	957	278
23	305	62	58	56	66	408	1010	1480	1370	495	612	156
24	313	61	60	56	70	435	951	1720	1390	246	555	125
25	329	61	63	65	50	431	1020	1910	1520	186	426	123
26	342	67	68	77	50	434	1090	1640	1420	197	370	132
27	338	65	70	70	40	439	913	1630	1160	576	357	152
28	320	63	74	72	44	444	948	1720	1150	606	342	181
29	340	67	80	79	---	441	975	1770	1450	599	336	230
30	327	58	82	79	---	428	990	1780	1600	471	257	226
31	321	---	86	86	---	471	---	2140	---	411	184	---
TOTAL	10183	8285	1948	2417	2269	8665	23059	33055	38277	25033	19958	6725
MEAN	328	276	63	78	81	280	769	1066	1276	808	644	224
AC-FT	20200	16430	3860	4790	4500	17190	45740	65560	75920	49650	39590	13340
MAX	557	553	86	158	131	585	1090	2140	1840	1620	1480	361
MIN	209	58	44	51	40	36	442	579	786	186	184	66
CAL YR	2004	TOTAL	163091	MEAN	446	MAX	2390	MIN	36	AC-FT	323500	
WTR YR	2005	TOTAL	179874	MEAN	493	MAX	2140	MIN	36	AC-FT	356800	
MAX DISCH.:	3320	CFS AT	16:00	ON	Aug. 14,	2005						

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

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE AND OXFORD FARMERS DITCH NEAR NEPESTA CO
(COMBINED)
WY2005 HYDROGRAPH



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 mi². October 1964 to current year.

GAGE.--Satellite-monitored data collection platform (Sutron Model 8210 HDR DCP), and Accubar in 8 ft by 8 ft shelter. Primary record is DCP data log. Satellite-monitored data used for backup purposes. Outside staff gage is primary reference gage. Cableway approximately 1 mile upstream. Catlin Canal flume gage height and USGS water quality monitor also monitored by this DCP.

REMARKS.--Record is complete and reliable except for the following periods: Nov 30, Dec 1-4, 22-28, 2004; Jan 5-19, 2005 due to ice affecting the stage-discharge relationship. Record good, except for periods of missing record and ice effect, which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--ARKCATC011 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

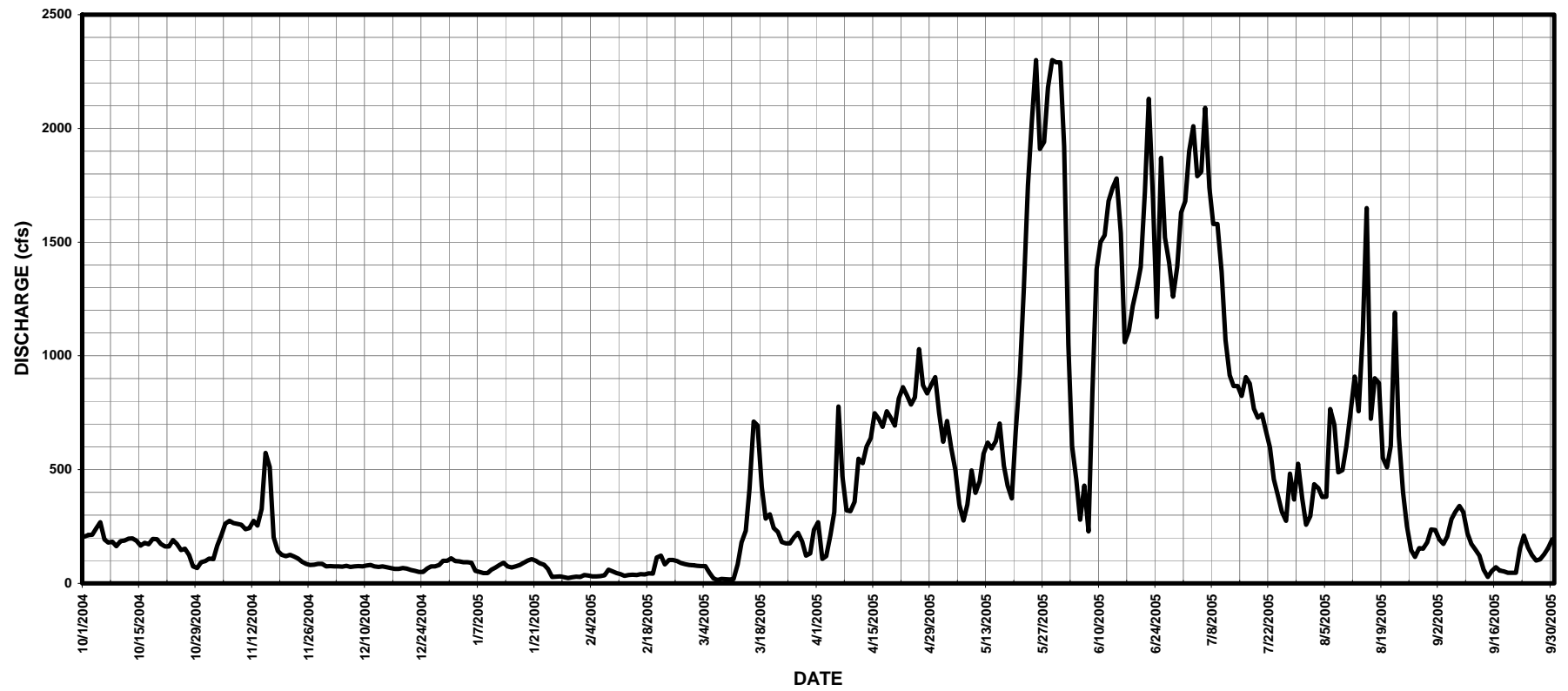
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	108	76	98	28	79	268	749	1920	1680	295	234
2	212	106	75	96	37	77	107	622	1050	1900	435	194
3	213	166	74	93	34	76	120	714	604	2010	419	173
4	243	212	73	93	31	76	211	594	458	1790	379	206
5	269	262	77	90	30	47	313	498	280	1810	381	282
6	193	274	72	55	32	22	777	347	430	2090	766	314
7	179	265	74	50	35	15	472	276	228	1740	697	340
8	183	261	76	45	60	19	321	347	841	1580	488	314
9	164	258	75	45	53	18	317	496	1380	1580	498	220
10	185	238	78	60	45	17	359	398	1500	1370	602	173
11	188	243	81	70	40	18	548	448	1530	1070	750	148
12	196	275	75	80	33	83	528	570	1680	915	909	122
13	198	254	72	90	36	181	601	619	1740	868	756	60
14	187	327	75	75	38	230	638	593	1780	868	1100	28
15	166	574	71	70	36	415	748	625	1540	823	1650	54
16	178	511	67	75	40	711	723	703	1060	907	723	71
17	172	202	64	80	39	694	688	517	1110	878	902	56
18	195	143	63	90	44	425	756	429	1220	767	881	52
19	194	126	67	100	43	284	729	373	1300	728	551	46
20	173	119	65	106	114	304	694	667	1390	743	510	46
21	162	126	58	99	122	243	811	920	1720	673	604	46
22	162	118	55	88	83	226	863	1290	2130	598	1190	154
23	190	108	50	82	102	182	827	1750	1690	458	648	210
24	173	95	50	64	103	176	786	2030	1170	384	401	157
25	147	85	65	28	97	176	818	2300	1870	315	251	125
26	152	81	75	29	89	202	1030	1910	1520	274	146	100
27	124	82	75	31	84	222	871	1940	1410	482	116	105
28	74	85	80	27	81	184	835	2180	1260	369	155	128
29	67	85	99	23	---	122	871	2300	1390	526	152	155
30	93	75	99	27	---	132	907	2290	1630	373	181	194
31	98	---	110	29	---	235	---	2290	---	258	237	---
TOTAL	5335	5864	2266	2088	1609	5891	18537	31785	38831	30827	17773	4507
MEAN	172	195	73	67	58	190	618	1025	1294	994	573	150
AC-FT	10580	11630	4490	4140	3190	11680	36770	63050	77020	61150	35250	8940
MAX	269	574	110	106	122	711	1030	2300	2130	2090	1650	340
MIN	67	75	50	23	28	15	107	276	228	258	116	28

CAL YR	2004	TOTAL	120489	MEAN	329	MAX	3040	MIN	20	AC-FT	239000
WTR YR	2005	TOTAL	165313	MEAN	453	MAX	2300	MIN	15	AC-FT	327900

MAX DISCH: 3160 CFS AT 23:45 ON Aug. 14, 2005 GH 5 FT. SHIFT 0.45 FT.
MAX GH: 5 FT. AT 23:45 ON Aug. 14, 2005

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

07119700 ARKANSAS RIVER BELOW CATLIN DAM NEAR FOWLER CO
WY2005 HYDROGRAPH



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.--Float-activated graphic water-stage recorder and shaft encoder in 8' x 8' shelter with well (with equipment for Arkansas River below Catlin Dam near Fowler CO river gage). Shaft encoder is connected to satellite-monitored data collection platform (DCP) used for river gage. Primary record is DCP log file with the graphic chart recorder used for backup purposes. Fifteen-foot standard concrete Parshall flume is the control. Primary reference gage is outside staff gage installed in 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. Station maintained and record developed by A. Adame.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

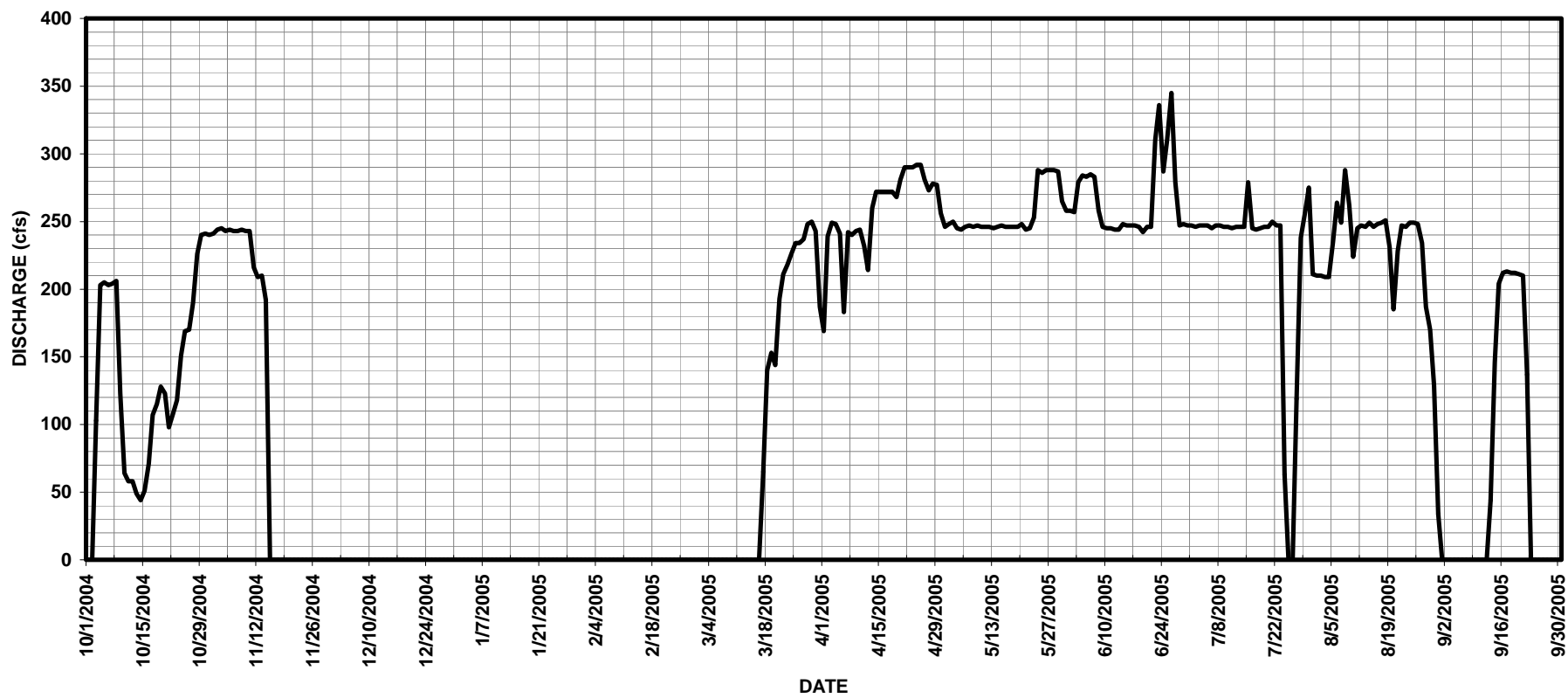
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	241	0	0	0	0	169	246	258	247	210	0
2	0	244	0	0	0	0	239	248	257	246	210	0
3	103	245	0	0	0	0	249	250	279	247	209	0
4	203	243	0	0	0	0	248	245	284	247	209	0
5	205	244	0	0	0	0	241	244	283	247	235	0
6	203	243	0	0	0	0	183	246	285	245	264	0
7	204	243	0	0	0	0	242	247	283	247	249	0
8	206	244	0	0	0	0	240	246	258	247	288	0
9	123	243	0	0	0	0	243	247	246	246	262	0
10	64	243	0	0	0	0	244	246	245	246	224	0
11	58	216	0	0	0	0	232	246	245	245	245	0
12	58	209	0	0	0	0	214	246	244	246	247	0
13	49	210	0	0	0	0	260	245	244	246	246	44
14	44	192	0	0	0	0	272	246	248	246	249	146
15	51	0	0	0	0	0	272	247	247	279	246	204
16	71	0	0	0	0	0	272	246	247	245	248	212
17	107	0	0	0	0	65	272	246	247	244	249	213
18	115	0	0	0	0	140	272	246	246	245	251	212
19	128	0	0	0	0	153	268	246	242	246	231	212
20	123	0	0	0	0	144	281	248	246	246	185	211
21	98	0	0	0	0	193	290	244	246	250	228	210
22	108	0	0	0	0	211	290	245	310	247	247	137
23	118	0	0	0	0	218	290	253	336	247	246	0
24	151	0	0	0	0	226	292	288	287	63	249	0
25	169	0	0	0	0	234	292	286	311	0	249	0
26	170	0	0	0	0	234	281	288	345	0	248	0
27	190	0	0	0	0	237	273	288	279	119	234	0
28	226	0	0	0	0	248	278	288	247	238	187	0
29	240	0	0	0	---	250	277	287	248	255	170	0
30	241	0	0	0	---	243	256	265	247	275	129	0
31	240	---	0	0	---	187	---	258	---	211	34	---
TOTAL	4066	3260	0	0	0	2983	7732	7917	7990	6858	6978	1801
MEAN	131	109	0	0	0	96.2	258	255	266	221	225	60
AC-FT	8060	6470	0	0	0	5920	15340	15700	15850	13600	13840	3570
MAX	241	245	0	0	0	250	292	288	345	279	288	213
MIN	0	0	0	0	0	0	169	244	242	0	34	0

CAL YR	2004	TOTAL	40901.2	MEAN	112	MAX	283	MIN	0	AC-FT	81130
WTR YR	2005	TOTAL	49585	MEAN	136	MAX	345	MIN	0	AC-FT	98350

MAX DISCH: 355 CFS AT 03:30 ON Jun. 27, 2005 GH (+0.01 shaft encoder correction) 3.11 FT. SHIFT 0 FT.
MAX GH: 3.11 FT. (corrected) AT 21:30 ON Jun. 25, 2005

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

07119705 CATLIN CANAL NEAR FOWLER CO
WY2005 HYDROGRAPH



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 mi².

REMARKS.--The combined record of discharges was obtained by the addition of Catlin Canal daily flows to the corresponding daily flows in the Arkansas River below Catlin Dam. The peak discharge for the year was 3402 cfs at 0000 Aug 15, 2005. Combined record is good, except during periods of estimated flow, which should be considered poor. Record developed by Div. II Hydrographic Staff.

ARKANSAS RIVER AND CATLIN CANAL (COMBINED)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

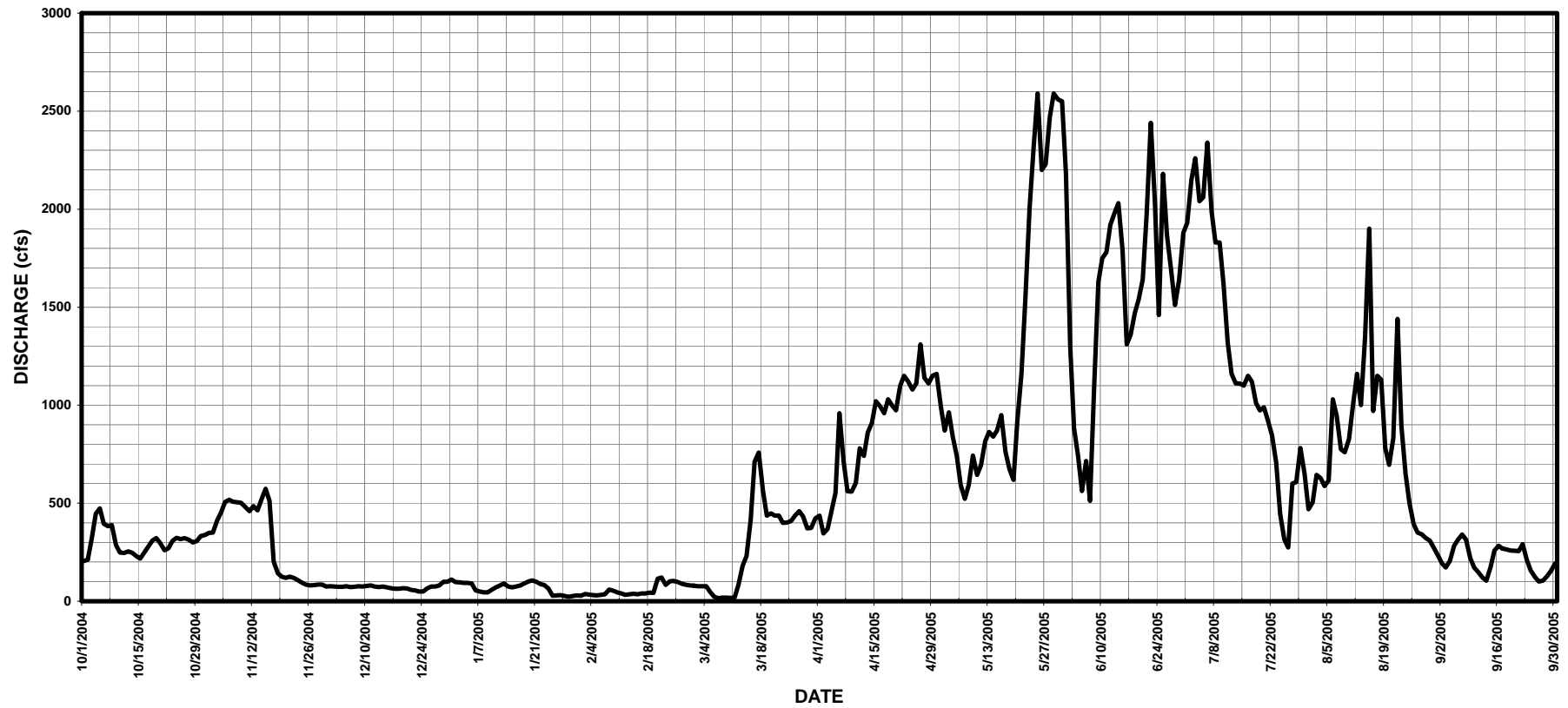
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	349	76	98	28	79	437	995	2180	1930	505	234
2	212	350	75	96	37	77	346	870	1310	2150	645	194
3	316	411	74	93	34	76	369	964	883	2260	628	173
4	446	455	73	93	31	76	459	839	742	2040	588	206
5	474	506	77	90	30	47	554	742	563	2060	616	282
6	396	517	72	55	32	22	960	593	715	2340	1030	314
7	383	508	74	50	35	15	714	523	511	1990	946	340
8	389	505	76	45	60	19	561	593	1100	1830	776	314
9	287	501	75	45	53	18	560	743	1630	1830	760	220
10	249	481	78	60	45	17	603	644	1750	1620	826	173
11	246	459	81	70	40	18	780	694	1780	1320	995	148
12	254	484	75	80	33	83	742	816	1920	1160	1160	122
13	247	464	72	90	36	181	861	864	1980	1110	1000	104
14	231	519	75	75	38	230	910	839	2030	1110	1350	174
15	217	574	71	70	36	415	1020	872	1790	1100	1900	258
16	249	511	67	75	40	711	995	949	1310	1150	971	283
17	279	202	64	80	39	759	960	763	1360	1120	1150	269
18	310	143	63	90	44	565	1030	675	1470	1010	1130	264
19	322	126	67	100	43	437	997	619	1540	974	782	258
20	296	119	65	106	114	448	975	915	1640	989	695	257
21	260	126	58	99	122	436	1100	1160	1970	923	832	256
22	270	118	55	88	83	437	1150	1540	2440	845	1440	291
23	308	108	50	82	102	400	1120	2000	2030	705	894	210
24	324	95	50	64	103	402	1080	2320	1460	447	650	157
25	316	85	65	28	97	410	1110	2590	2180	315	500	125
26	322	81	75	29	89	436	1310	2200	1870	274	394	100
27	314	82	75	31	84	459	1140	2230	1690	601	350	105
28	300	85	80	27	81	432	1110	2470	1510	607	342	128
29	307	85	99	23	---	372	1150	2590	1640	781	322	155
30	334	75	99	27	---	375	1160	2560	1880	648	310	194
31	338	---	110	29	---	422	---	2550	---	469	271	---
TOTAL	9401	9124	2266	2088	1609	8874	26263	39722	46874	37708	24758	6308
MEAN	303	304	73	67	58	286	875	1281	1562	1216	799	210
AC-FT	18650	18100	4490	4140	3190	17600	52090	78790	92970	74790	49110	12510
MAX	474	574	110	106	122	759	1310	2590	2440	2340	1900	340
MIN	205	75	50	23	28	15	346	523	511	274	271	100

CAL YR	2004	TOTAL	161437	MEAN	441	MAX	3300	MIN	20	AC-FT	320200
WTR YR	2005	TOTAL	214995	MEAN	589	MAX	2590	MIN	15	AC-FT	426400

MAX DISCH: 3402 CFS AT 00:00 ON AUG. 15, 2005

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

07119700 ARKANSAS RIVER BELOW CATLIN DAM AND CATLIN CANAL NEAR FOWLER CO (COMBINED)
WY2005 HYDROGRAPH



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.--High data rate Sutron 8210 DCP and Accububble in a 4' x 4' steel gage shelter. A wire weight gage installed on upstream side of Hwy 266 bridge is the primary reference gage. Primary record is DCP log data with satellite-monitored data used for backup purposes. New orifice line installed on Oct 1-2, 2003. Channel work completed on October 10, 2003. Elevation of gage datum is 4130.46 ft MSL.

REMARKS.--Record is complete and reliable for the entire water year, except for the following periods: Nov 29, 30, Dec 1-7, 22-27, 2004; Jan 4-8, 12-18, 2005; due to ice affecting the stage-discharge relationship. Record is fair except for periods of ice effect which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--ARKROCCO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

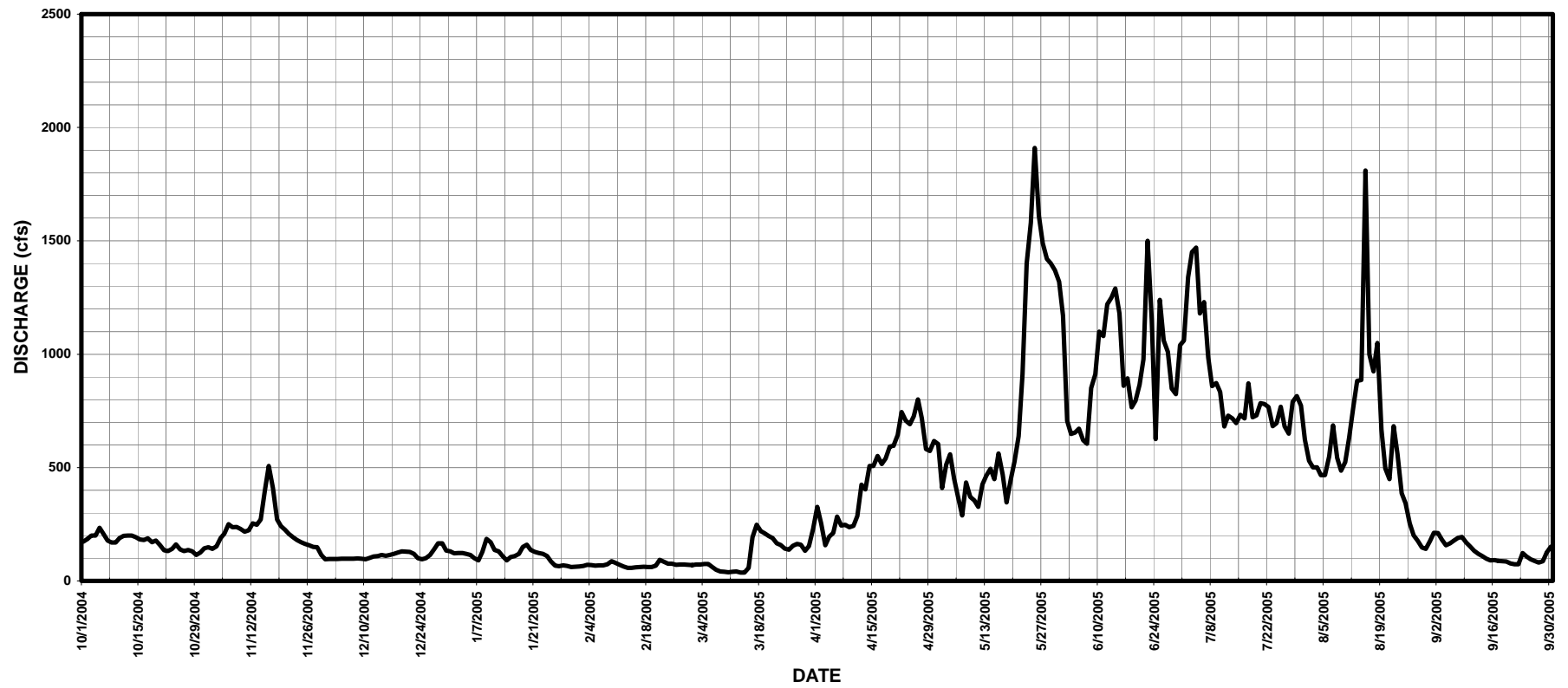
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	149	96	122	63	70	327	603	1170	1060	530	212
2	185	141	96	123	66	72	253	410	706	1340	501	211
3	200	152	96	123	71	72	157	513	649	1450	501	183
4	200	189	97	120	69	74	195	558	655	1470	467	157
5	234	209	97	115	67	74	211	450	672	1180	467	166
6	207	250	98	100	68	61	284	371	620	1230	549	178
7	178	237	98	90	68	49	244	289	605	986	686	190
8	169	238	99	128	73	42	248	434	851	859	542	194
9	169	229	97	185	87	40	237	370	912	873	486	170
10	189	217	95	171	79	38	242	355	1100	834	524	152
11	199	223	101	136	71	40	287	327	1080	681	632	133
12	200	254	107	130	63	41	424	426	1220	729	766	120
13	200	247	110	110	57	37	403	464	1250	717	883	110
14	192	270	114	90	57	36	507	495	1290	696	886	98
15	183	399	111	105	60	57	507	449	1180	733	1810	90
16	181	507	114	110	61	193	551	562	860	717	1000	92
17	188	410	119	120	62	247	516	469	893	871	924	88
18	171	270	125	150	61	220	540	346	765	722	1050	87
19	178	241	130	160	61	210	593	446	795	730	668	85
20	158	226	129	136	67	197	596	525	865	784	496	77
21	135	207	128	128	93	189	644	639	977	780	449	73
22	132	192	120	123	84	166	745	912	1500	767	682	73
23	141	181	100	120	76	159	707	1400	1150	683	558	123
24	161	171	95	110	76	143	691	1580	625	696	387	107
25	139	163	100	85	71	138	727	1910	1240	768	342	95
26	132	157	115	67	72	155	801	1610	1060	681	253	88
27	137	150	140	65	72	163	717	1490	1010	650	201	80
28	130	149	166	68	71	160	582	1420	848	790	177	86
29	114	115	166	66	---	133	573	1400	824	815	148	125
30	125	95	134	61	---	153	617	1370	1040	773	141	151
31	144	---	131	62	---	229	---	1320	---	623	175	---
TOTAL	5244	6638	3524	3479	1946	3658	14126	23913	28412	26688	17881	3794
MEAN	169	221	114	112	70	118	471	771	947	861	577	126
AC-FT	10400	13170	6990	6900	3860	7260	28020	47430	56360	52940	35470	7530
MAX	234	507	166	185	93	247	801	1910	1500	1470	1810	212
MIN	114	95	95	61	57	36	157	289	605	623	141	73

CAL YR	2004	TOTAL	124101	MEAN	339	MAX	2090	MIN	38	AC-FT	246200
WTR YR	2005	TOTAL	139303	MEAN	382	MAX	1910	MIN	36	AC-FT	276300

MAX DISCH: 3110 CFS AT 08:15 ON Aug. 15, 2005 GH 4.11 FT. SHIFT 0.23 FT.
MAX GH: 4.11 FT. AT 08:15 ON Aug. 15, 2005

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

07120500 ARKANSAS RIVER NEAR ROCKY FORD CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--High data rate Sutron 8210 DCP and Accububble installed in a 4' x 4' steel shelter. Primary record is DCP log file with satellite-monitored data used for backup. Primary reference gage is a tapedown to the water surface from an RP in the channel. Elevation of gage is 4,100 ft. above sea level.

REMARKS.--Record is complete and reliable, except for the following periods: Nov 28-30; Dec 1-5, 23-27, 2004; and Jan 5-9, 13-18, Feb 10, 12, 2005, when the stage-discharge relationship was affected by ice. Record fair, except for those periods of estimated record and ice effect, which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--CANSWKCO06 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

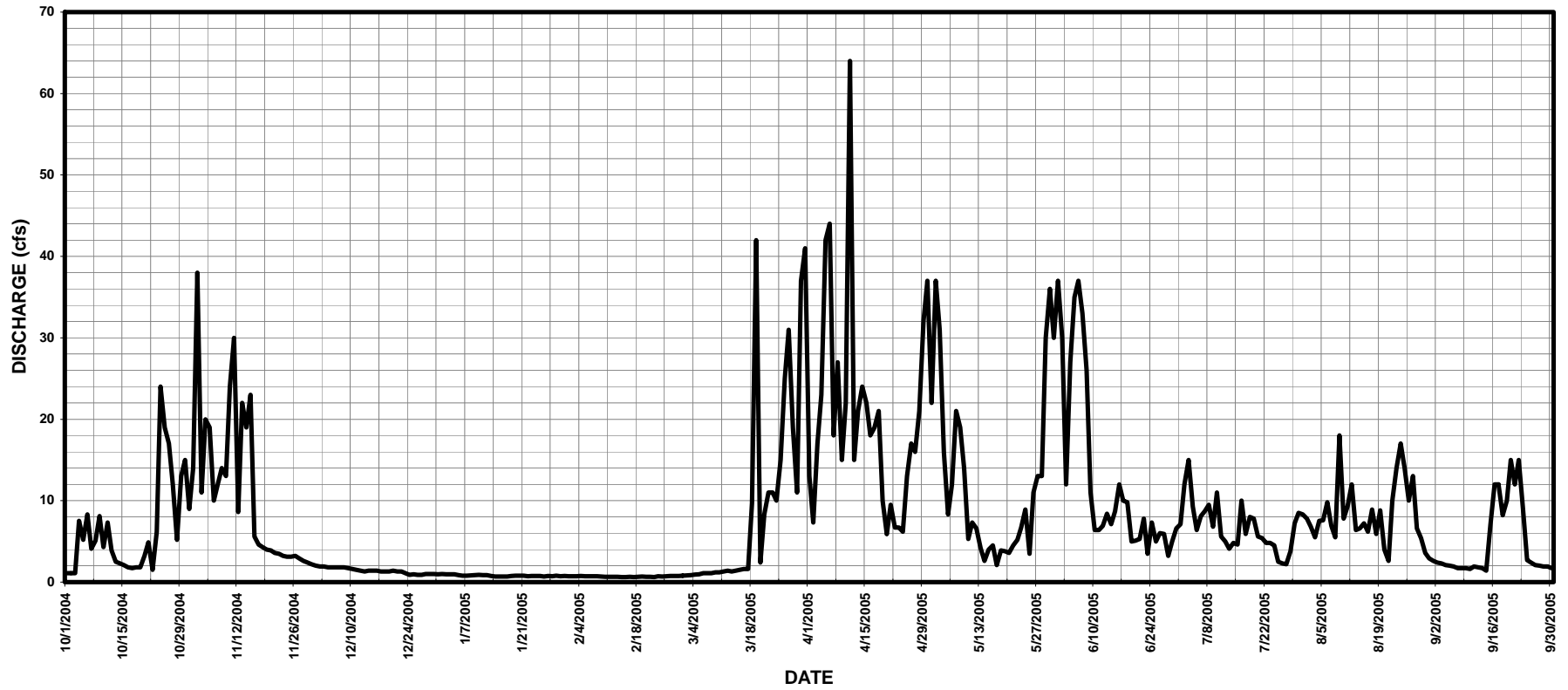
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	14	2	.98	.73	.8	13	22	37	7.1	7.8	2.6
2	1.1	38	1.9	.95	.71	.83	7.3	37	30	12	6.8	2.4
3	1.1	11	1.9	.94	.71	.87	17	31	12	15	5.5	2.3
4	7.5	20	1.8	.94	.74	.92	23	16	27	9.3	7.5	2.1
5	5.2	19	1.8	.85	.73	.97	42	8.3	35	6.4	7.6	2
6	8.3	10	1.8	.8	.73	1.1	44	12	37	8.1	9.8	1.9
7	4.1	12	1.8	.8	.73	1.1	18	21	33	8.7	6.9	1.7
8	5.1	14	1.8	.82	.72	1.1	27	19	26	9.5	5.5	1.7
9	8.1	13	1.7	.85	.7	1.2	15	14	11	6.8	18	1.7
10	4.3	24	1.6	.88	.64	1.2	22	5.3	6.4	11	7.8	1.6
11	7.3	30	1.5	.85	.64	1.3	64	7.3	6.4	5.6	9.3	1.9
12	3.9	8.6	1.4	.85	.64	1.4	15	6.6	6.9	5	12	1.8
13	2.5	22	1.3	.75	.66	1.3	21	4.2	8.4	4.1	6.4	1.7
14	2.3	19	1.4	.7	.63	1.4	24	2.6	7.1	4.8	6.6	1.4
15	2.1	23	1.4	.7	.61	1.5	22	4	8.7	4.6	7.2	7
16	1.8	5.6	1.4	.7	.64	1.6	18	4.5	12	10	6.2	12
17	1.7	4.6	1.3	.7	.63	1.6	19	2.1	10	5.9	8.9	12
18	1.8	4.3	1.3	.75	.66	9.7	21	3.9	9.8	8	5.9	8.2
19	1.8	4	1.3	.77	.68	42	10	3.8	5	7.8	8.8	10
20	3.2	3.9	1.4	.77	.66	2.4	5.9	3.6	5.1	5.6	4	15
21	4.9	3.6	1.3	.77	.66	8.3	9.5	4.5	5.3	5.4	2.6	12
22	1.5	3.5	1.3	.73	.62	11	6.7	5.2	7.8	4.8	10	15
23	6.2	3.2	1.1	.74	.71	11	6.7	6.7	3.5	4.8	14	9.1
24	24	3.1	.9	.75	.67	10	6.2	8.9	7.3	4.5	17	2.7
25	19	3.1	.95	.74	.71	15	13	3.5	5	2.5	14	2.4
26	17	3.2	.9	.69	.75	25	17	11	6	2.3	10	2.1
27	12	2.9	.9	.76	.76	31	16	13	5.9	2.2	13	2
28	5.2	2.6	1	.71	.76	19	21	13	3.2	3.8	6.6	1.9
29	13	2.4	1	.77	---	11	32	30	5	7.2	5.4	1.9
30	15	2.2	1	.73	---	37	37	36	6.6	8.5	3.6	1.7
31	9	---	.96	.74	---	41	---	30	---	8.3	2.9	---
TOTAL	201.1	329.8	43.11	24.48	19.23	293.59	613.3	390	389.4	209.6	257.6	141.8
MEAN	6.5	11	1.39	.79	.69	9.47	20.4	12.6	13	6.8	8.3	4.7
AC-FT	399	654	86	49	38	582	1220	774	772	416	511	281
MAX	24	38	2	.98	.76	42	64	37	37	15	18	15
MIN	1.1	2.2	.9	.69	.61	.8	5.9	2.1	3.2	2.2	2.6	1.4

CAL YR	2004	TOTAL	2440.11	MEAN	6.67	MAX	69	MIN	.02	AC-FT	4840
WTR YR	2005	TOTAL	2913.01	MEAN	7.98	MAX	64	MIN	.61	AC-FT	5780

MAX DISCH: 110 CFS AT 09:45 ON Apr. 11, 2005 GH 3.31 FT. SHIFT -0.04 FT.
MAX GH: 3.31 FT. AT 09:45 ON Apr. 11, 2005

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

07122400 CROOKED ARROYO NEAR SWINK CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

07123000 ARKANSAS RIVER AT LA JUNTA, CO

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

DRAINAGE AREA AND PERIOD OF RECORD.--12,210 mi². 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 ft x 4 ft steel shelter. DCP log file is primary record with satellite data use for backup. Wire-weight gage on bridge serves as primary reference gage. High data rate Sutron 8210 DCP installed May 20, 2002. Datum of gage is 4,039.60 ft above National Geodetic Vertical Datum of 1929. See WSP 1711 or 1731 for history of changes prior to June 13, 1940. June 13, 1940, to June 6, 1967, water-stage recorder at site 300 ft upstream at present datum.

REMARKS.--Record is complete and reliable except for: November 29-30, December 1-7, 23-28, 2004; January 4-20, 2005 when ice affected the stage-discharge relationship. Record good, except for periods of missing or estimated gage height, which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--ARKLAJCO41 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

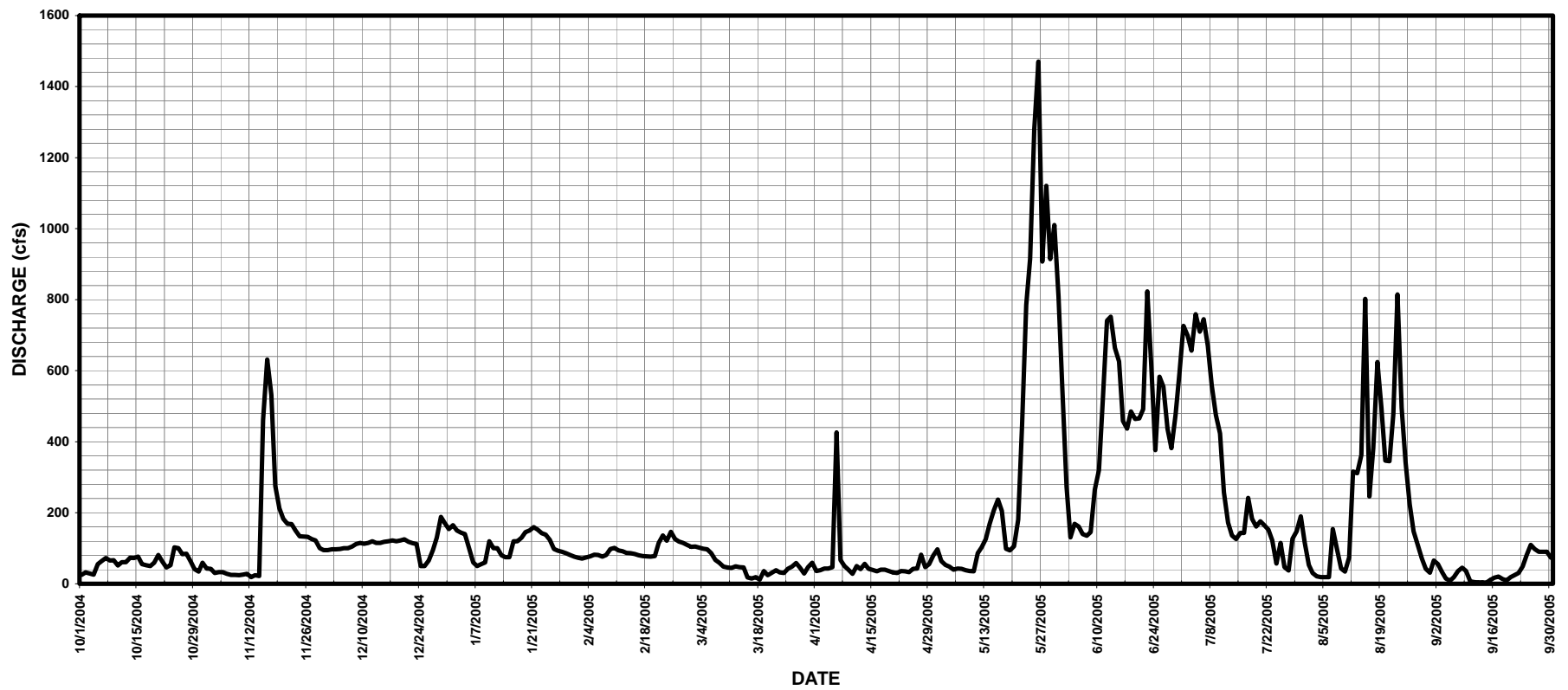
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	43	95	165	73	104	36	97	545	726	53	65
2	32	42	97	150	71	105	38	64	274	699	30	55
3	29	30	97	144	74	102	43	53	131	656	21	33
4	26	33	98	140	77	99	43	48	169	759	19	15
5	55	33	100	100	82	97	47	40	161	710	19	8.4
6	64	28	100	60	81	86	426	43	140	745	19	19
7	72	25	105	50	76	67	67	42	135	669	154	36
8	65	25	112	55	81	59	50	38	145	559	98	45
9	66	24	115	60	98	48	40	36	265	475	43	36
10	51	26	113	120	101	46	28	35	320	423	34	7
11	61	28	115	100	94	44	50	86	519	257	74	4.6
12	61	19	120	100	92	49	41	103	741	172	316	3.9
13	73	24	115	80	87	47	56	126	752	136	311	3.8
14	72	22	115	75	86	46	42	169	664	126	362	3.4
15	76	461	118	75	84	18	39	207	626	143	802	11
16	55	631	120	120	80	15	35	237	459	143	246	17
17	52	531	122	120	78	19	40	205	437	242	382	20
18	50	276	120	130	77	12	40	99	485	183	624	13
19	59	212	122	145	76	36	36	94	464	161	495	9.6
20	81	183	125	150	78	24	32	106	466	176	347	19
21	63	169	118	159	115	31	30	180	491	165	345	24
22	46	168	114	152	136	38	36	448	823	152	478	30
23	52	150	112	142	121	32	35	785	619	122	815	49
24	103	134	50	138	146	30	33	915	376	57	495	80
25	100	133	50	124	126	42	42	1280	583	115	344	110
26	83	132	65	98	119	48	43	1470	555	47	224	98
27	85	126	95	93	115	58	82	907	436	37	148	90
28	63	122	130	90	110	45	47	1120	382	127	110	90
29	41	100	188	86	---	29	55	914	476	148	71	90
30	34	95	171	81	---	47	79	1010	597	190	42	73
31	59	---	154	76	---	59	---	809	---	117	31	---
TOTAL	1854	4025	3471	3378	2634	1582	1711	11766	13236	9437	7552	1158.7
MEAN	60	134	112	109	94	51	57	380	441	304	244	38.6
AC-FT	3680	7980	6880	6700	5220	3140	3390	23340	26250	18720	14980	2300
MAX	103	631	188	165	146	105	426	1470	823	759	815	110
MIN	25	19	50	50	71	12	28	35	131	37	19	3.4

CAL YR	2004	TOTAL	62295.0	MEAN	170	MAX	1820	MIN	12	AC-FT	0
WTR YR	2005	TOTAL	61804.7	MEAN	169	MAX	1470	MIN	3.4	AC-FT	122600

MAX DISCH: 1920 CFS AT 11:15 ON May. 26, 2005 GH 8.92 FT. SHIFT -0.26 FT.
MAX GH: 8.92 FT. AT 11:15 ON May. 26, 2005

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

07123000 ARKANSAS RIVER AT LA JUNTA CO
WY2005 HYDROGRAPH



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.--Accububble and satellite-monitored data collection platform (Sutron 8210 HDR DCP) in a 4' x 4' steel shelter. Primary record is DCP data log with satellite-monitored data used for backup purposes. An outside staff gage installed on the right side of the channel approximately 30 ft. upstream of the box culverts under Highway 194 is the primary reference gage. A new compound control structure was constructed during April 2005. The existing outside staff gage was removed during the installation of the new control. The outside staff gage was reinstalled after construction but to a new gage datum and is still the primary reference gage. A tipping bucket rain gage was installed on July 20, 2005.

REMARKS.--Record is complete and reliable, except for the following period(s): Dec. 24, 2004; Jan. 6, 2005 due to ice in the channel affecting the stage-discharge relationship. Apr 5-27, 2005 when a new control was installed in the channel. Record fair, except during periods of ice affected gage height record and during the construction of the new control, which should be considered poor. Station maintained and record developed by A. Adame.

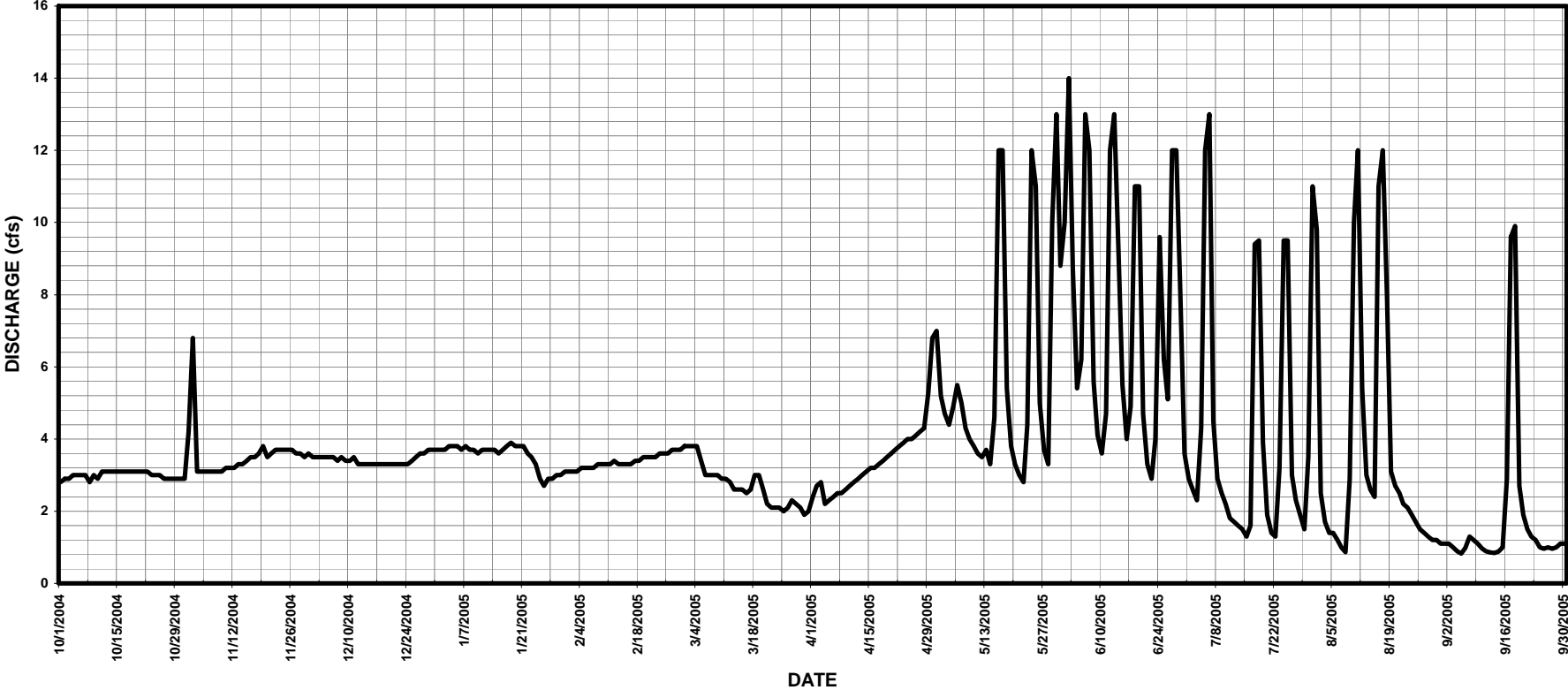
RATING TABLE.--HRC194C006 USED FROM 01-OCT-2004 TO 05-APR-2005
HRC194C007 USED FROM 05-APR-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	4.2	3.5	3.7	3.1	3.8	2.4	7	10	2.9	9.8	1.1
2	2.9	6.8	3.5	3.7	3.1	3.8	2.7	5.2	14	2.6	2.5	1.1
3	2.9	3.1	3.5	3.8	3.1	3.8	2.8	4.7	8.7	2.3	1.7	1
4	3	3.1	3.5	3.8	3.2	3.8	2.2	4.4	5.4	4.3	1.4	.89
5	3	3.1	3.5	3.8	3.2	3.4	2.3	4.9	6.2	12	1.4	.83
6	3	3.1	3.5	3.7	3.2	3	2.4	5.5	13	13	1.2	.98
7	3	3.1	3.4	3.8	3.2	3	2.5	5	12	4.5	.99	1.3
8	2.8	3.1	3.5	3.7	3.3	3	2.5	4.3	5.6	2.9	.87	1.2
9	3	3.1	3.4	3.7	3.3	3	2.6	4	4.1	2.5	2.9	1.1
10	2.9	3.2	3.4	3.6	3.3	2.9	2.7	3.8	3.6	2.2	10	.97
11	3.1	3.2	3.5	3.7	3.3	2.9	2.8	3.6	4.7	1.8	12	.89
12	3.1	3.2	3.3	3.7	3.4	2.8	2.9	3.5	12	1.7	5.4	.86
13	3.1	3.3	3.3	3.7	3.3	2.6	3	3.7	13	1.6	3	.84
14	3.1	3.3	3.3	3.7	3.3	2.6	3.1	3.3	9.2	1.5	2.6	.88
15	3.1	3.4	3.3	3.6	3.3	2.6	3.2	4.6	5.5	1.3	2.4	1
16	3.1	3.5	3.3	3.7	3.3	2.5	3.2	12	4	1.6	11	2.9
17	3.1	3.5	3.3	3.8	3.4	2.6	3.3	12	4.9	9.4	12	9.6
18	3.1	3.6	3.3	3.9	3.4	3	3.4	5.4	11	9.5	7.9	9.9
19	3.1	3.8	3.3	3.8	3.5	3	3.5	3.8	11	3.9	3.1	2.7
20	3.1	3.5	3.3	3.8	3.5	2.6	3.6	3.3	4.7	1.9	2.7	1.9
21	3.1	3.6	3.3	3.8	3.5	2.2	3.7	3	3.3	1.4	2.5	1.5
22	3.1	3.7	3.3	3.6	3.5	2.1	3.8	2.8	2.9	1.3	2.2	1.3
23	3	3.7	3.3	3.5	3.6	2.1	3.9	4.4	4	3.2	2.1	1.2
24	3	3.7	3.3	3.3	3.6	2.1	4	12	9.6	9.5	1.9	1
25	3	3.7	3.4	2.9	3.6	2	4	11	6.2	9.5	1.7	.96
26	2.9	3.7	3.5	2.7	3.7	2.1	4.1	5	5.1	3	1.5	1
27	2.9	3.6	3.6	2.9	3.7	2.3	4.2	3.7	12	2.3	1.4	.96
28	2.9	3.6	3.6	2.9	3.7	2.2	4.3	3.3	12	1.9	1.3	1
29	2.9	3.5	3.7	3	---	2.1	5.3	10	8.1	1.5	1.2	1.1
30	2.9	3.6	3.7	3	---	1.9	6.8	13	3.6	3.5	1.2	1.1
31	2.9	---	3.7	3.1	---	2	---	8.8	---	11	1.1	---
TOTAL	92.9	106.6	106.3	109.4	94.6	83.8	101.2	181	229.4	131.5	112.96	53.06
MEAN	3	3.6	3.4	3.5	3.4	2.7	3.4	5.8	7.7	4.2	3.64	1.77
AC-FT	184	211	211	217	188	166	201	359	455	261	224	105
MAX	3.1	6.8	3.7	3.9	3.7	3.8	6.8	13	14	13	12	9.9
MIN	2.8	3.1	3.3	2.7	3.1	1.9	2.2	2.8	2.9	1.3	.87	.83
CAL YR	2004	TOTAL	3644	MEAN	9.96	MAX	1350	MIN	1.1	AC-FT	7230	
WTR YR	2005	TOTAL	1402.72	MEAN	3.84	MAX	14	MIN	.83	AC-FT	2780	

MAX DISCH: 29.2 CFS AT 00:00 ON Nov. 2, 2004 GH 2.72 FT. SHIFT -0.64 FT.
MAX GH: 2.72 FT. AT 00:00 ON Nov. 2, 2004

07123675 HORSE CREEK at HIGHWAY 194 nr LAS ANIMAS CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

RATON CREEK ABOVE STARKVILLE, CO

LOCATION.--Lat 37°07'35.5", Long 104°31'24.8" in NW¼, NE¼, NE¼, Section 35,T33S, R64W, Las Animas County, 20 feet away from the creek on the left upstream side of bridge for road 18.3 approximately half a mile south of Interstate 25 exit 8 south of Trinidad.

DRAINAGE AREA.--Undetermined.

GAGE.--Sutron SatLink satellite-monitored data collection platform (DCP), with High Data Rate (HDR) radio and shaft encoder. The data logger is housed inside a 4' x 4' metal shelter about 20 feet away from the creek, while the shaft encoder is in a 20" x 30" metal shelter on an 18" corrugated metal pipe stilling well attached to the left bridge wing wall. Shaft encoder is set to an electric drop tape inside the half shelter. Primary record is the DCP data log with satellite data used for back-up purposes.

REMARKS.--Record is complete and reliable except for the following periods: October 13, 14, 2004, when the DCP was turned off. November 2, 3, 24-28; December 6, 7, 10, 14-21, 28-30, 2004; January 4-8, 12, 18, 19, 31; February 2, 5-10, 24, 26-28; March 2-4, 9, 14-18, 2005, when ice in the creek affected the stage-discharge relationship. November 29, 30; December 1-5, 22-27, 2004; January 13-17; February 1, 3, 4, 2005, when the well was frozen. July 26, 27, 2005, when the Shaft Encoder tape slipped off the Shaft Encoder. August 26-30, 2005, when the DCP failed. Record considered good, except for periods of mean daily flows greater than 20 cfs, periods of ice effect, and when the DCP malfunctioned, which should be considered poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--RACRSTCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

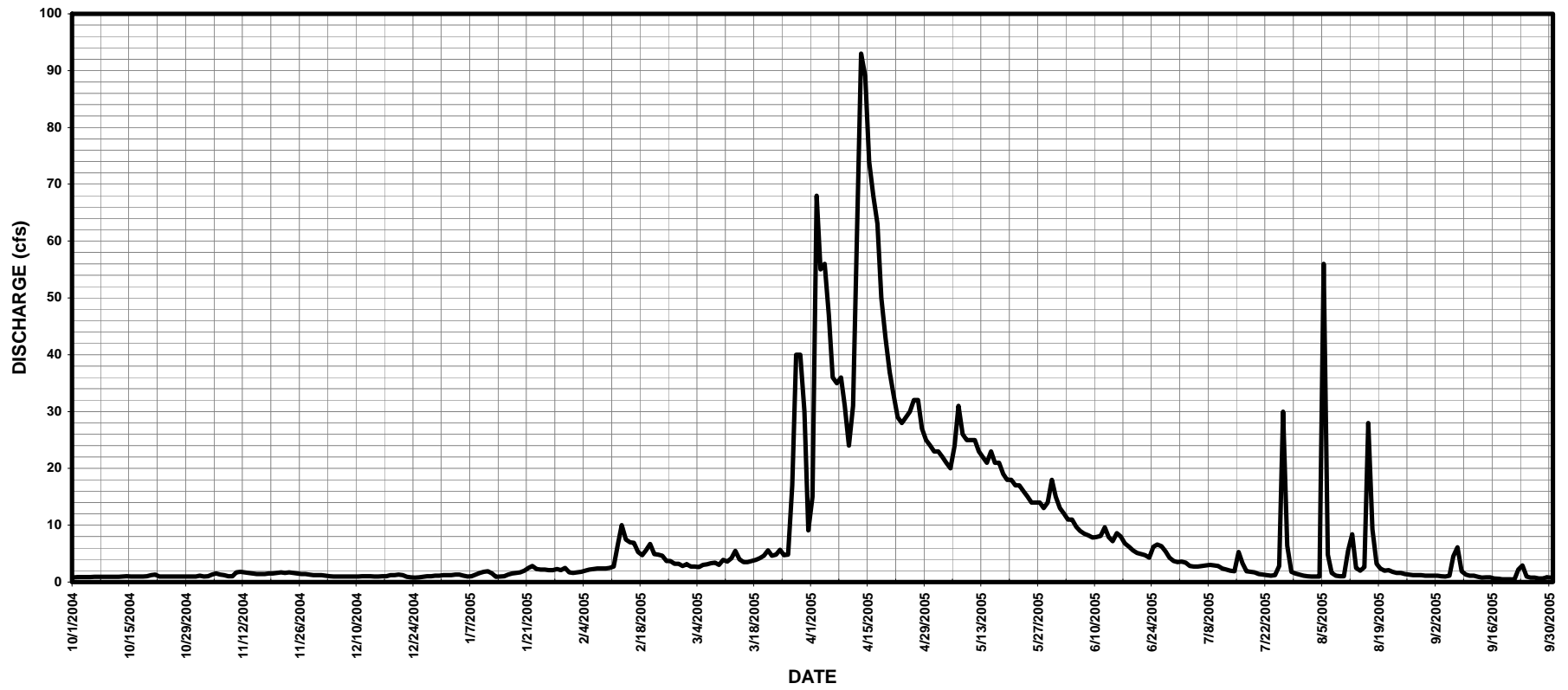
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.84	1.1	1.2	1.2	1.6	3.1	15	23	13	3.6	1	1.1
2	.86	.95	1.1	1.2	1.7	2.7	68	23	12	3.4	.98	1.1
3	.87	1	1	1.3	1.8	2.7	55	22	11	2.8	.98	1
4	.87	1.3	.95	1.3	2	2.6	56	21	11	2.7	.98	.99
5	.89	1.5	.95	1.1	2.2	3	47	20	9.7	2.7	56	1.1
6	.94	1.3	.98	.95	2.3	3.1	36	24	9	2.8	4.8	4.5
7	.92	1.2	.98	1	2.4	3.3	35	31	8.5	2.9	1.6	6.1
8	.92	1	.99	1.3	2.4	3.4	36	26	8.2	3	1.1	1.9
9	.92	1	.99	1.6	2.4	3	31	25	7.8	2.9	1	1.3
10	.92	1.7	.95	1.8	2.5	3.9	24	25	7.9	2.8	1	1.1
11	.94	1.8	1	1.9	2.7	3.6	31	25	8.1	2.4	5.5	1.1
12	.94	1.7	1	1.5	6.6	4.2	61	23	9.6	2.2	8.4	.93
13	.97	1.6	1	.9	10	5.5	93	22	7.9	2	2.5	.78
14	1	1.5	.95	.95	7.5	4	89	21	7.2	1.9	2	.82
15	.98	1.4	.95	1	7	3.5	74	23	8.6	5.3	2.6	.83
16	.97	1.4	1	1.3	6.9	3.5	68	21	8	3.3	28	.65
17	.97	1.4	1	1.5	5.3	3.7	63	21	6.8	1.9	9.3	.58
18	.99	1.5	1.2	1.6	4.7	3.9	50	19	6.2	1.8	3.2	.51
19	1	1.5	1.2	1.7	5.6	4.2	43	18	5.6	1.7	2.4	.5
20	1.2	1.6	1.3	2	6.7	4.6	37	18	5.1	1.4	2	.49
21	1.3	1.7	1.2	2.5	4.9	5.6	33	17	4.9	1.3	2.1	.46
22	.98	1.6	.9	2.8	4.8	4.6	29	17	4.7	1.2	1.8	2.2
23	.98	1.7	.85	2.3	4.6	4.8	28	16	4.3	1.1	1.6	2.9
24	.98	1.6	.8	2.2	3.7	5.7	29	15	6.2	1.2	1.6	.95
25	.98	1.5	.85	2.2	3.7	4.7	30	14	6.6	2.8	1.4	.78
26	.98	1.4	.9	2.1	3.2	4.8	32	14	6.3	30	1.3	.77
27	.98	1.4	1	2.1	3.2	17	32	14	5.4	6.4	1.2	.62
28	.98	1.3	1	2.3	2.8	40	27	13	4.3	1.8	1.2	.63
29	.98	1.2	1.1	2.1	---	40	25	14	3.7	1.5	1.2	.84
30	.99	1.2	1.1	2.5	---	30	24	18	3.5	1.3	1.1	.78
31	.99	---	1.2	1.7	---	9.1	---	15	---	1.1	1.1	---
TOTAL	30.03	42.05	31.59	51.9	115.2	237.8	1301	618	221.1	103.2	150.94	38.31
MEAN	.97	1.4	1.02	1.67	4.1	7.7	43	20	7.4	3.3	4.87	1.28
AC-FT	60	83	63	103	228	472	2580	1230	439	205	299	76
MAX	1.3	1.8	1.3	2.8	10	40	93	31	13	30	56	6.1
MIN	.84	.95	.8	.9	1.6	2.6	15	13	3.5	1.1	.98	.46
CAL YR 2004	TOTAL	597.22	MEAN	1.63	MAX	39	MIN	.12	AC-FT	1180		
WTR YR 2005	TOTAL	2941.12	MEAN	8.06	MAX	93	MIN	.46	AC-FT	5830		

MAX DISCH: 1490 CFS AT 18:30 ON Aug. 5, 2005 GH 6.13 FT. SHIFT 0.02 FT. DATUM CORRECTION -0.01
MAX GH: 6.13 FT. AT 18:30 ON Aug. 5, 2005

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

RATON CREEK ABOVE STARKVILLE CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Sutron 8210 High Data Rate DCP (satellite monitored data collection platform) controlling a Sutron Accububble system inside a 4' x 4' steel shelter on the left bank above the channel. Orifice line inside 1-½ inch galvanized pipe anchored to the bank extending down and into the channel. Primary record is the DCP log data with satellite-monitored data used for backup purposes. The primary reference is a staff gage set in the streambed near the orifice.

REMARKS.-- Record is complete and reliable except for the following periods: November 14, 30; December 1-4, 7, 8, 14-15, 17-19, 22-28, 2004; January 5-7, 12-18; February 2-5, 9, 10; March 13-16, 26, 27, 2005, when ice at or near the gage affected the gage height. Record considered good, except for days of ice affected gage height record, which are poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--PURTRICO26 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

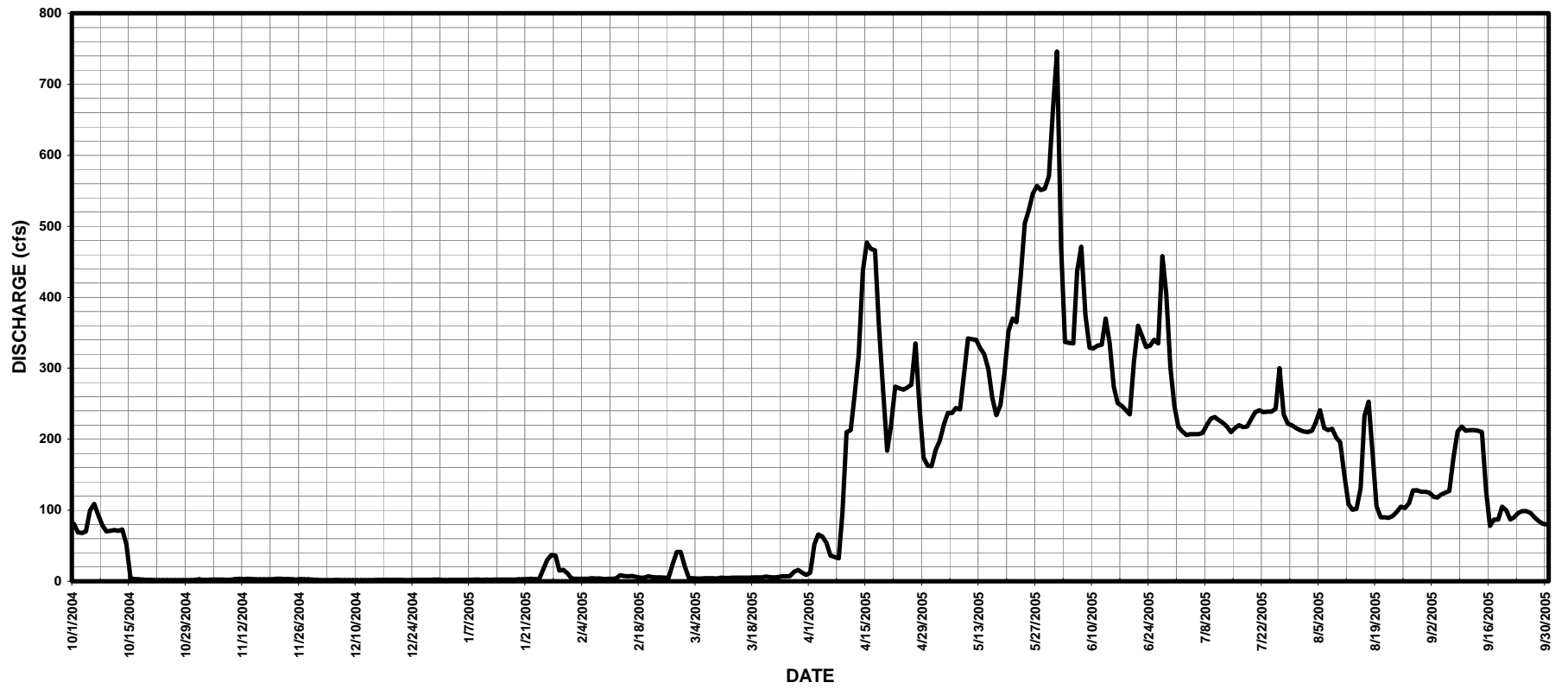
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	2.9	1.5	1.7	3.8	21	12	162	746	218	211	125
2	69	2.1	1.5	2	3.4	4.2	52	185	470	211	210	119
3	68	2	1.5	1.8	3.5	4.1	66	198	337	206	212	118
4	70	2.2	1.5	2.1	3.5	3.9	63	220	336	207	224	122
5	100	2.3	1.9	1.8	3.5	3.9	54	237	335	207	241	125
6	109	2.3	1.6	1.8	4.1	4.1	36	237	437	207	216	127
7	94	2.2	1.5	1.8	3.9	4.3	34	244	471	209	213	174
8	79	2	1.5	2.4	3.8	4.4	32	242	375	220	215	211
9	70	2.2	1.5	2.3	3.1	3.8	96	293	329	229	202	218
10	71	3.1	1.5	2.1	3.4	4.9	210	342	328	231	196	212
11	72	3.5	1.5	2.3	3.4	4.5	213	341	332	227	150	213
12	71	3	1.6	1.9	4	4.6	262	340	333	223	109	213
13	73	3.3	1.6	2.2	8.7	5	319	329	370	218	101	212
14	52	3	1.5	2.4	7.4	5	437	320	336	210	102	210
15	4	2.6	1.8	2.5	6.8	5	477	299	274	216	131	128
16	3.1	2.6	2.1	2.5	7.4	5	468	259	251	220	233	78
17	2.7	2.6	2	2.5	6.2	5.2	466	234	247	217	253	87
18	2.3	2.6	2	2.5	5.2	5.5	360	248	241	218	176	87
19	2	2.6	2	2.8	5.2	5.4	270	292	235	228	106	105
20	1.8	3.5	1.8	2.8	7.1	5.5	184	352	309	238	90	100
21	1.7	3.5	1.9	3.2	5.8	6.5	220	370	360	241	90	87
22	1.6	3.1	1.5	3.4	5.6	5.8	274	365	346	238	89	90
23	1.6	3.2	1.5	3.1	5.6	5.5	272	429	330	239	92	96
24	1.6	2.9	1.8	3	4.9	5.9	270	504	332	239	98	99
25	1.6	2.5	1.8	17	4.8	6.8	273	522	340	243	105	99
26	1.6	3	2	30	24	6.8	277	546	335	300	103	96
27	1.6	2.8	2	37	41	7.2	335	557	458	235	110	90
28	1.5	2.7	2	36	41	13	248	551	405	222	128	85
29	1.4	2.5	2.5	15	---	16	174	553	301	220	128	81
30	1.7	2	2.2	16	---	12	163	571	247	216	126	80
31	1.8	---	2	11	---	9.1	---	662	---	213	126	---
TOTAL	1112.6	80.8	54.6	218.9	230.1	203.9	6617	11004	10546	6966	4786	3887
MEAN	35.9	2.7	1.8	7.1	8.2	6.6	221	355	352	225	154	130
AC-FT	2210	160	108	434	456	404	13120	21830	20920	13820	9490	7710
MAX	109	3.5	2.5	37	41	21	477	662	746	300	253	218
MIN	1.4	2	1.5	1.7	3.1	3.8	12	162	235	206	89	78

CAL YR	2004	TOTAL	38464.8	MEAN	105	MAX	1010	MIN	0.23	AC-FT	76290
WTR YR	2005	TOTAL	45706.9	MEAN	125	MAX	746	MIN	1.4	AC-FT	90660

MAX DISCH: 1150 CFS AT 20:00 ON Jul. 26, 2005 GH 4.48 FT. SHIFT -0.06 FT. DATUM CORRECTION 0.00
MAX GH: 4.48 FT. AT 20:00 ON Jul. 26, 2005

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

07124500 PURGATOIRE RIVER AT TRINIDAD CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

07126300 PURGATOIRE RIVER NEAR THATCHER, CO

LOCATION.--Lat 37°21'23", long 103°53'59", in NW¼SW¼ sec.10, T.31 S., R.58 W., Las Animas County, Hydrologic Unit 11020010, on right bank 250 ft downstream from county road bridge at gas line crossing, 1.2 mi downstream from Van Bremer Arroyo, and 18 mi southeast of Thatcher.

DRAINAGE AREA AND PERIOD of RECORD.--1,791 mi², of which 11.8 mi² is noncontributing. July 1966 to current year. The Colorado Division of Water Resources assumed operation and maintenance of the gage for WY2005 when the USGS lost its cooperator on the gage.

GAGE.--A Sutron 8200A Data-collection platform (DCP) and Sutron Accubar pressure transducer in a 4 ft x 4 ft steel shelter. On July 6, 2005 the 8200 DCP was removed and a Sutron SatLink 2 high data rate DCP was installed. The primary record is the DCP log data with satellite data used for backup. The primary reference is an enameled staff-gage located in the river below the gage house.

REMARKS.--Record is complete and reliable except for: November 29-30; December 1-8, 19-26, 2004; January 5-8, 11-22, 31; February 1-4; March 14-16, 31; and April 1, 2005, when the stage-discharge relationship was affected by ice. Record good, except for days on which ice affected the stage-discharge relationship. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--PURTHACO06 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

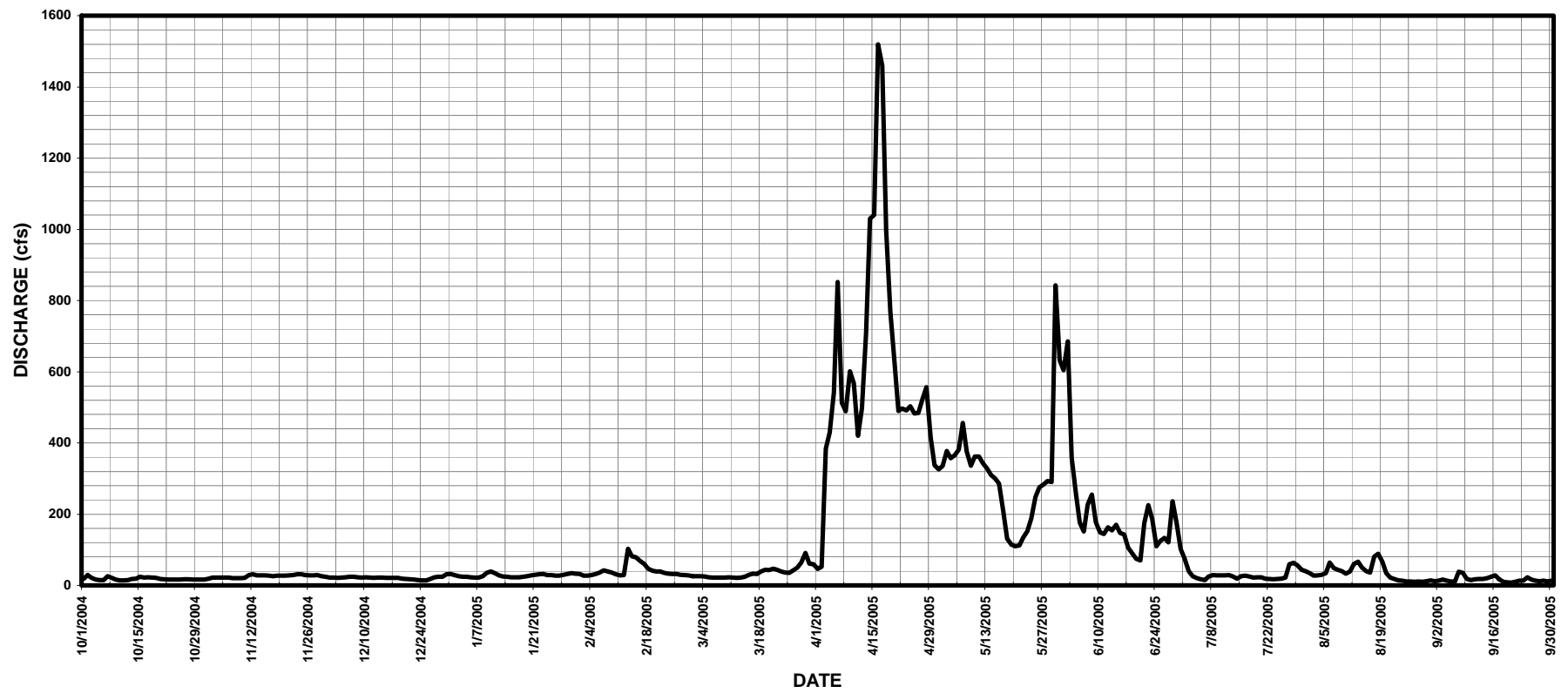
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	19	22	29	32	26	46	326	604	76	34	12
2	29	22	22	26	27	26	52	335	685	40	27	13
3	21	22	21	24	27	26	384	377	359	26	28	16
4	16	22	22	24	29	25	430	357	260	20	30	13
5	15	22	23	23	32	23	542	366	176	17	34	11
6	15	22	24	22	36	22	852	381	151	15	64	10
7	26	20	24	22	42	22	513	456	227	25	48	38
8	21	20	23	26	39	22	489	376	255	29	44	35
9	16	20	22	35	36	22	601	336	178	28	40	18
10	14	21	23	39	31	23	568	362	149	28	33	15
11	14	29	22	34	28	22	420	362	144	28	39	17
12	15	31	21	28	29	21	497	343	163	29	60	18
13	18	28	22	25	103	22	709	328	154	25	66	18
14	19	28	22	24	82	24	1030	310	170	19	50	20
15	24	28	21	23	79	30	1040	300	147	26	40	24
16	22	27	21	23	69	33	1520	285	143	27	36	28
17	23	26	21	23	60	32	1460	209	106	25	81	17
18	22	27	21	24	47	39	997	131	90	22	89	10
19	21	27	19	26	41	44	769	115	75	23	66	8.7
20	18	27	18	28	39	43	636	110	70	23	34	8.1
21	17	28	17	30	39	47	490	112	175	19	22	10
22	16	29	16	31	35	44	497	134	225	18	18	13
23	16	31	15	32	33	39	491	152	186	17	14	13
24	16	31	14	29	32	36	503	188	110	18	13	23
25	16	29	14	29	32	35	483	248	125	19	11	16
26	17	28	18	27	30	42	484	275	133	22	11	13
27	17	28	23	27	29	50	524	283	121	59	10	12
28	16	29	24	30	28	64	557	293	236	63	11	13
29	16	26	24	32	---	91	416	290	177	56	10	11
30	16	24	31	34	---	61	338	843	102	44	12	13
31	16	---	32	33	---	59	---	632	---	40	14	---
TOTAL	566	771	662	862	1166	1115	18338	9615	5896	926	1089	486.8
MEAN	18	26	21	28	42	36	611	310	197	30	35	16.2
AC-FT	1120	1530	1310	1710	2310	2210	36370	19070	11690	1840	2160	966
MAX	29	31	32	39	103	91	1520	843	685	76	89	38
MIN	14	19	14	22	27	21	46	110	70	15	10	8.1

CAL YR	2004	TOTAL	26587.7	MEAN	72.6	MAX	1010	MIN	2.1	AC-FT	52700
WTR YR	2005	TOTAL	41492.8	MEAN	114	MAX	1520	MIN	8.1	AC-FT	82300

MAX DISCH: 2550 CFS AT 07:30 ON Apr. 16, 2005 GH 7.87 FT. SHIFT -0.18 FT. DATUM 0.00 FT.
MAX GH: 7.87 FT. AT 07:30 ON Apr. 16, 2005

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

07126300 PURGATOIRE RIVER NEAR THATCHER CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

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

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

DRAINAGE AREA.--2,752 mi².

GAGE.--Sutron Accubar water level sensor and satellite-monitored data collection platform (Sutron 8210 HDR DCP) in a 4 ft by 4 ft steel shelter. The primary gage is an outside drop tape from a reference point on a steel "I" beam on the wall face between Ninemile Dam and the Ninemile Canal headgate. Control is the Ninemile Dam. DCP data log file is the primary record with satellite-monitored gage height data providing backup.

REMARKS.--Record is complete and reliable except for the following periods: Nov 30, Dec 1- 4, 22-30, 2004; Jan 5-10, 13-19, 2005, when the stage-discharge relationship was affected by ice. The record for total flow in the river at this location is computed by adding Ninemile Canal flows to this record. High flows have not been measured at or near the gage due to a lack of facilities. Record fair, except during periods of estimated flow and flows over 500 cfs, which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--PURNINCO17 USED FROM 01-OCT-2004 TO 30-SEP-2005

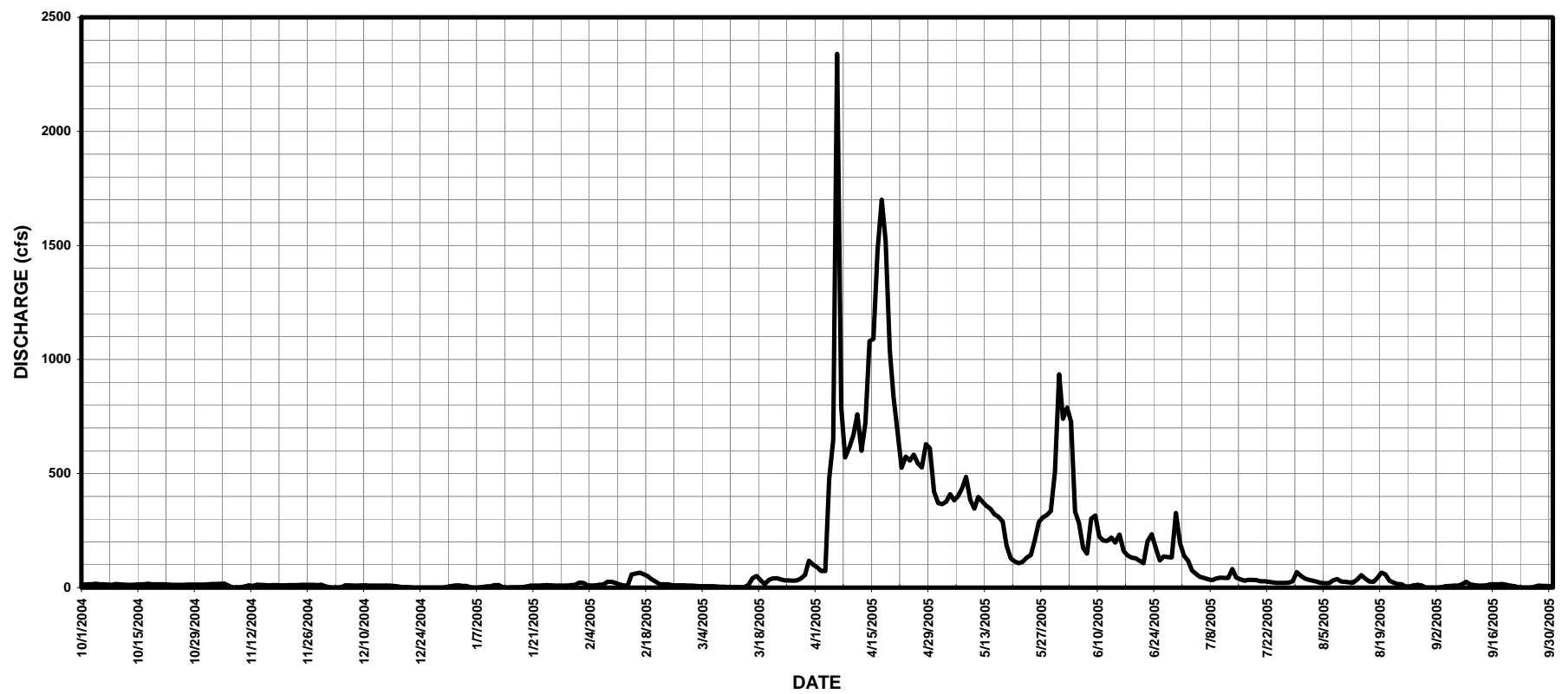
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	1	9	22	7.9	89	371	740	141	34	0
2	15	16	0	9.7	21	6.7	73	366	789	118	30	0
3	14	16	0	7.8	11	6.2	73	377	727	75	26	2.7
4	17	17	3	7.4	8.3	6	477	410	333	59	21	6.3
5	15	17	9.5	1	9.3	6	645	383	284	47	19	7.1
6	15	8.5	10	0	12	5.5	2340	401	175	42	19	8.6
7	13	1.6	8.4	.5	13	4.6	789	436	149	36	32	8.1
8	12	1.3	8.1	2	26	4	570	486	301	33	38	15
9	16	.67	10	5	25	3.9	614	385	316	40	27	25
10	15	4.7	9.3	6	20	3	670	347	224	44	25	15
11	13	9.2	8.9	11	13	3	759	397	206	42	23	11
12	12	7.7	8.8	11	10	2.6	600	377	205	42	23	8.2
13	12	12	8.5	2	8.9	1.1	722	359	219	81	35	8.1
14	13	12	8.2	.5	57	2.7	1080	345	198	43	54	9.5
15	14	11	8.2	1	62	12	1090	322	232	36	39	15
16	15	10	8.4	1	65	41	1480	310	161	30	27	14
17	17	11	7.8	1	58	51	1700	290	142	34	26	15
18	15	11	5	2	50	31	1520	184	131	34	42	16
19	15	10	2.6	5	36	15	1040	128	128	33	66	12
20	14	10	2.6	7.9	26	34	836	115	117	28	58	8.9
21	14	11	1.5	8.2	14	40	677	106	106	28	30	5.7
22	13	11	.5	8.9	14	41	526	113	203	26	22	1.3
23	12	11	0	10	14	36	574	131	234	23	16	0
24	12	12	0	11	11	32	557	143	176	21	14	0
25	12	12	0	9.9	10	31	583	207	119	21	4.8	0
26	12	12	0	8.7	9.6	30	544	287	137	21	5.4	3.8
27	13	12	0	8.1	9.1	31	527	308	133	22	9.8	8.2
28	13	11	0	8.1	8.1	40	629	319	132	28	12	7.4
29	13	12	.4	8.6	---	56	611	336	327	68	8.1	7.4
30	13	6	3	11	---	117	420	509	195	51	0	6.4
31	13	---	6.3	12	---	100	---	935	---	40	0	---
TOTAL	425	311.67	140	195.3	643.3	801.2	22815	10183	7539	1387	786.1	245.7
MEAN	14	10.4	4.52	6.3	23	25.8	761	328	251	45	25.4	8.19
AC-FT	843	618	278	387	1280	1590	45250	20200	14950	2750	1560	487
MAX	17	17	10	12	65	117	2340	935	789	141	66	25
MIN	12	.67	0	0	8.1	1.1	73	106	106	21	0	0
CAL YR 2004	TOTAL	23978.38	MEAN	65.5	MAX	1150	MIN	0	AC-FT	47560		
WTR YR 2005	TOTAL	45472.27	MEAN	125	MAX	2340	MIN	0	AC-FT	90190		

MAX DISCH: 3160 CFS AT 16:00 ON Apr. 6, 2005 GH 5.38 FT. SHIFT 0.04 FT.
MAX GH: 5.38 FT. AT 16:00 ON Apr. 6, 2005

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

07126500 PURGATOIRE RIVER AT NINEMILE DAM NEAR HIGBEE CO (RIVER ONLY)
WY2005 HYDROGRAPH



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.--Float-activated graphic water-stage recorder, SDI shaft encoder, and a High Data Rate Sutron SatLink DCP in a 3 ft by 3 ft steel shelter with well. Primary record is DCP data log with satellite-monitored data and the graphic chart recorder used for backup purposes. Six-foot standard concrete Parshall flume is the control. Primary reference gage is outside staff gage installed in flume.

REMARKS.--Record is complete and reliable, except for the periods: Nov 30, Dec 1-4, 22-26, 2004; Jan 5-8, 13-18, 2005 when the stage-discharge relationship was affected by ice. Record good, except during periods of ice effect on the stage-discharge relationship, which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

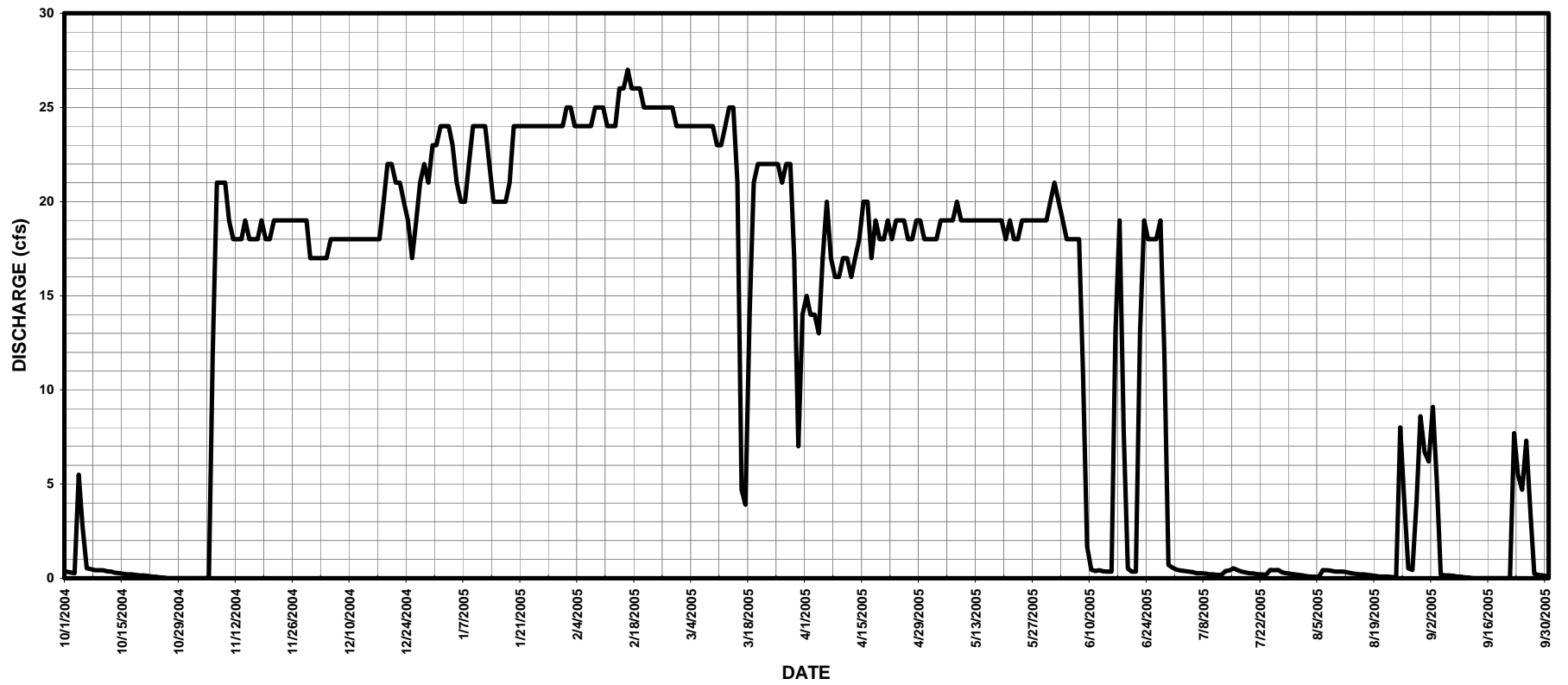
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.35	0	17	24	25	24	15	18	21	.46	.14	6.2
2	.3	0	17	24	25	24	14	18	20	.41	.1	9.1
3	.27	0	17	24	24	24	14	18	19	.38	.09	5.2
4	5.5	0	17	23	24	24	13	19	18	.35	.07	.19
5	2.7	0	18	21	24	24	17	19	18	.32	.08	.14
6	.52	12	18	20	24	24	20	19	18	.27	.42	.14
7	.49	21	18	20	24	24	17	19	18	.27	.43	.13
8	.43	21	18	22	25	24	16	20	11	.25	.4	.09
9	.43	21	18	24	25	24	16	19	1.7	.2	.35	.07
10	.42	19	18	24	25	23	17	19	.46	.2	.35	.05
11	.37	18	18	24	24	23	17	19	.38	.17	.35	.03
12	.35	18	18	24	24	24	16	19	.42	.18	.3	0
13	.29	18	18	22	24	25	17	19	.36	.38	.27	0
14	.27	19	18	20	26	25	18	19	.35	.41	.24	0
15	.23	18	18	20	26	21	20	19	.35	.52	.2	0
16	.2	18	18	20	27	4.7	20	19	13	.42	.2	0
17	.2	18	18	20	26	3.9	17	19	19	.35	.17	0
18	.17	19	20	21	26	14	19	19	7.8	.31	.14	0
19	.14	18	22	24	26	21	18	19	.51	.27	.11	0
20	.14	18	22	24	25	22	18	18	.35	.25	.09	0
21	.11	19	21	24	25	22	19	19	.35	.2	.09	0
22	.09	19	21	24	25	22	18	18	13	.2	.09	7.7
23	.07	19	20	24	25	22	19	18	19	.18	.06	5.5
24	.05	19	19	24	25	22	19	19	18	.44	.05	4.7
25	.03	19	17	24	25	22	19	19	18	.42	.8	7.3
26	0	19	19	24	25	21	18	19	18	.44	4.2	3.5
27	0	19	21	24	25	22	18	19	19	.31	.52	.23
28	0	19	22	24	24	22	19	19	12	.27	.44	.18
29	0	19	21	24	---	17	19	19	.7	.23	4.1	.14
30	0	17	23	24	---	7	18	19	.56	.2	8.6	.12
31	0	---	23	24	---	14	---	20	---	.17	6.7	---
TOTAL	14.12	464	593	709	698	635.6	525	585	306.29	9.43	37.35	50.71
MEAN	.46	15.5	19	23	25	20.5	18	19	10.2	.3	1.2	1.69
AC-FT	28	920	1180	1410	1380	1260	1040	1160	608	19	74	101
MAX	5.5	21	23	24	27	25	20	20	21	.52	8.6	9.1
MIN	0	0	17	20	24	3.9	13	18	.35	.17	.05	0

CAL YR	2004	TOTAL	3933.0	MEAN	10.7	MAX	67	MIN	0	AC-FT	7800
WTR YR	2005	TOTAL	4627.5	MEAN	12.7	MAX	27	MIN	0	AC-FT	9180

MAX DISCH: 27.5 CFS AT 10:45 ON Feb. 14, 2005 GH 1.09 FT. SHIFT 0 FT.
MAX GH: 1.18 FT. AT 04:15 ON Jan. 15, 2005

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

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

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

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

DRAINAGE AREA.--2,752 mi².

REMARKS.--The combined record of discharges was obtained by the addition of daily flows from the Ninemile Canal to the corresponding daily flows in the Purgatoire River at Ninemile Dam. The peak discharge for the water year was 3180 cfs at 1600 on April 6, 2005. Combined record is fair, except during periods of estimated flows and during periods of flow over 500 cfs, all of which should be considered poor. Record developed by Div. II Hydrographic Staff.

PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE (COMBINED)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

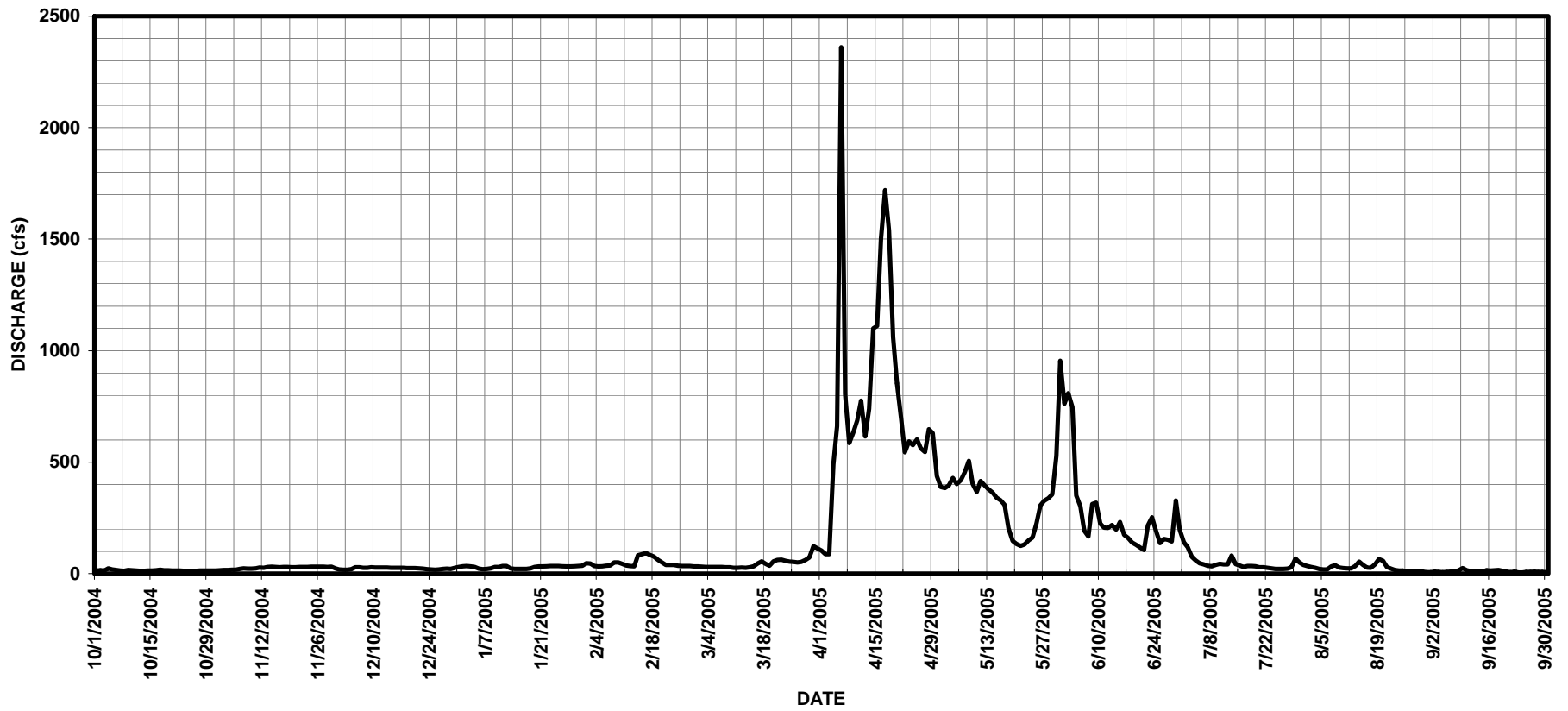
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	18	33	47	32	104	389	761	141	34	6.2
2	15	16	17	34	46	31	87	384	809	118	30	9.1
3	14	16	17	32	35	30	87	395	746	75	26	7.9
4	23	17	20	30	32	30	490	429	351	59	21	6.5
5	18	17	28	22	33	30	662	402	302	47	19	7.2
6	16	21	28	20	36	30	2360	420	193	42	19	8.7
7	13	23	26	21	37	29	806	455	167	36	32	8.2
8	12	22	26	24	51	28	586	506	312	33	38	15
9	16	22	28	29	50	28	630	404	318	40	27	25
10	15	24	27	30	45	26	687	366	224	44	25	15
11	13	27	27	35	37	26	776	416	206	42	23	11
12	12	26	27	35	34	27	616	396	205	42	23	8.2
13	12	30	27	24	33	26	739	378	219	81	35	8.1
14	13	31	26	21	83	28	1100	364	198	43	54	9.5
15	14	29	26	21	88	33	1110	341	232	37	39	15
16	15	28	26	21	92	46	1500	329	174	30	27	14
17	17	29	26	21	84	55	1720	309	161	34	26	15
18	15	30	25	23	76	45	1540	203	139	34	42	16
19	15	28	25	29	62	36	1060	147	129	33	66	12
20	14	28	25	32	51	56	854	133	117	28	58	8.9
21	14	30	23	32	39	62	696	125	106	28	30	5.7
22	13	30	22	33	39	63	544	131	216	26	22	9
23	12	30	20	34	39	58	593	149	253	23	16	5.5
24	12	31	19	35	36	54	576	162	194	21	14	4.7
25	12	31	17	34	35	53	602	226	137	21	13	7.3
26	12	31	19	33	35	51	562	306	155	21	9.6	7.3
27	13	31	21	32	34	53	545	327	152	22	10	8.4
28	13	30	22	32	32	62	648	338	144	28	12	7.6
29	13	31	21	33	---	73	630	355	328	68	12	7.5
30	13	23	26	35	---	124	438	528	196	51	8.6	6.5
31	13	---	29	36	---	114	---	955	---	40	6.7	---
TOTAL	435	777	734	906	1341	1439	23348	10768	7844	1388	817.9	296
MEAN	14	26	24	29	48	46	778	347	261	45	26.4	9.9
AC-FT	863	1540	1460	1800	2660	2850	46310	21360	15560	2750	1620	587
MAX	23	31	29	36	92	124	2360	955	809	141	66	25
MIN	12	15	17	20	32	26	87	125	106	21	6.7	4.7

CAL YR 2004 TOTAL 27903.7 MEAN 76.2 MAX 1180 MIN 2.6 AC-FT 55350
WTR YR 2005 TOTAL 50093.9 MEAN 137 MAX 2360 MIN 4.7 AC-FT 99360

MAX DISCH: 3180 CFS AT 16:00 ON APR. 06, 2005

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

07126500 PURGATOIRE RIVER AT NINEMILE DAM AND NINEMILE CANAL NEAR HIGBEE CO (COMBINED)
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO

LOCATION.--Lat 37°54'03", Long 103°17'56" (Hackamore Ranch, CO Quadrangle, Scale 1:24,000), NE1/4, SW1/4, Section 1, T25S, R53W. On the left bank approximately ¼ mile downstream of the Highland Canal Diversion Dam, Bent County, 11 mi southwest of Las Animas, Colorado.

DRAINAGE AREA.--N/A.

GAGE.--Sutron Accubar water level sensor and satellite-monitored data collection platform (Sutron 8200 DCP) in a 4 ft x 4 ft steel shelter. Primary record is DCP data logger data with satellite-monitored data used for backup purposes. Primary reference gage is outside staff gage on left side of channel approximately 150 ft east of shelter. A new reference gage (RM #5) was established on September 15, 2005. The new reference is a drop tape gage referenced to the top of "C" channel attached to the flood block.

REMARKS.--Record is complete and reliable except for the following periods: Nov 30; Dec 1-5, 23-26, 2004; Jan 5-8, 12-18, 2005 when ice affected the stage discharge relationship. Record fair, except during periods when flows were estimated or were greater than 500 cfs, which should be considered poor. Station maintained by A. Adame and record developed by Brian Boughton.

RATING TABLE.--PURHILCO03 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

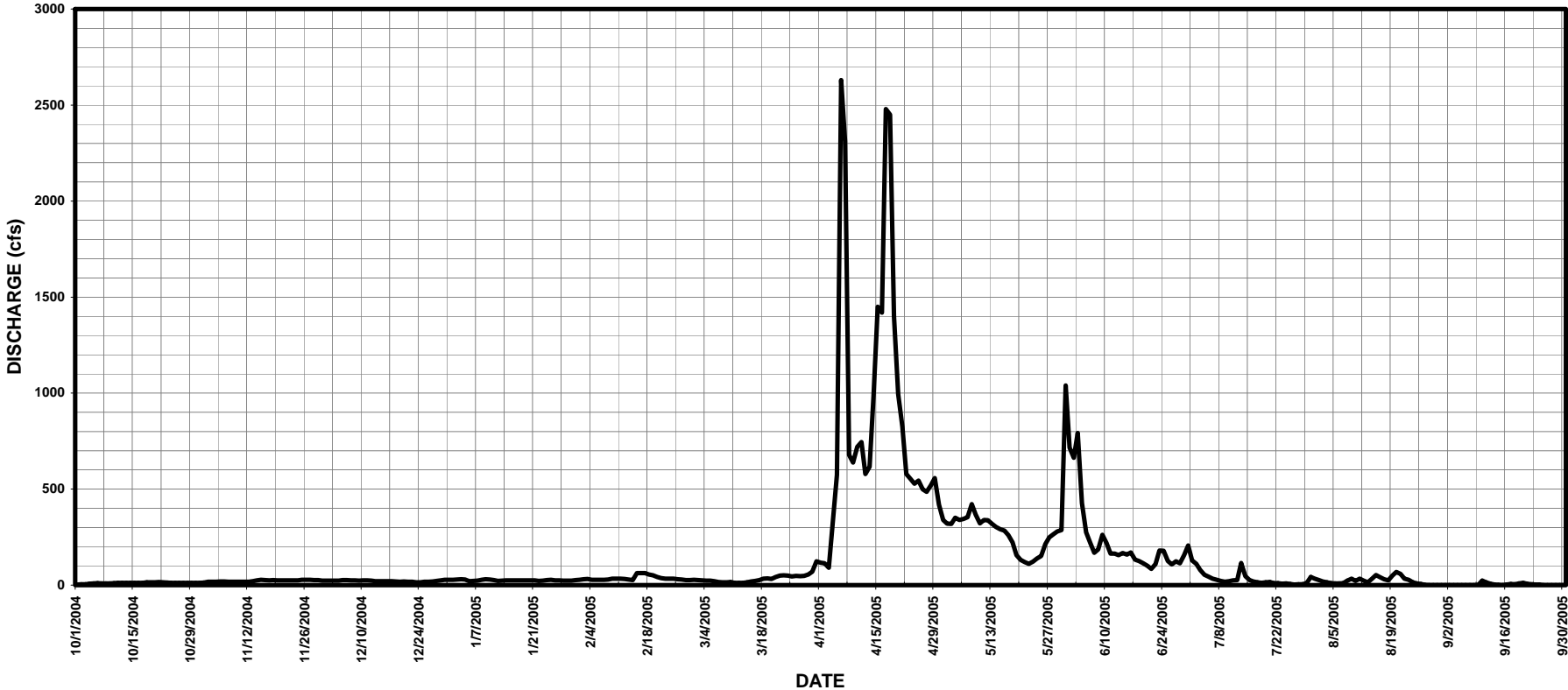
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	13	23	27	28	27	117	339	716	128	26	0
2	3.9	18	23	29	31	26	113	320	663	110	19	0
3	4.9	18	23	30	32	24	90	318	793	79	15	0
4	6.6	17	23	29	28	23	325	351	427	54	10	0
5	8.3	19	26	20	27	23	574	339	275	43	8.4	0
6	9.5	19	26	22	28	21	2630	345	222	33	8.8	0
7	9.4	18	25	23	28	16	2310	354	168	28	10	0
8	8.5	17	25	27	29	14	678	422	186	22	23	0
9	8	18	23	30	33	14	639	366	262	18	34	0
10	9.5	18	24	29	34	16	720	321	218	21	22	23
11	12	17	25	26	34	11	744	339	165	25	34	14
12	12	18	23	22	32	11	579	337	165	26	23	7.5
13	11	20	21	23	29	11	616	319	156	115	15	3.4
14	11	25	20	24	26	14	983	303	167	46	34	1
15	11	28	20	24	63	19	1450	291	159	26	52	.13
16	12	26	20	24	63	22	1420	283	170	19	41	2.6
17	12	25	20	24	62	26	2480	260	133	14	30	5.6
18	14	26	19	24	55	34	2450	222	125	12	25	4.3
19	15	25	18	24	51	35	1400	156	113	15	49	8.1
20	15	24	19	25	42	32	995	131	100	16	69	11
21	16	25	18	24	37	42	824	119	84	9.5	58	7.2
22	14	25	18	22	33	49	579	110	109	9.5	33	4.3
23	13	25	14	23	34	51	552	122	180	7.9	27	3.5
24	12	25	14	26	33	49	528	138	179	8.9	14	2.3
25	12	27	17	27	30	45	544	151	125	5.9	8.5	.58
26	12	27	18	25	29	48	499	214	108	3.6	5.6	.03
27	12	27	19	24	26	47	486	248	124	4.4	1.6	.05
28	12	26	22	23	26	48	519	265	113	4.4	.06	0
29	11	26	24	23	---	55	557	279	155	10	0	0
30	12	23	27	23	---	70	419	286	206	42	0	.08
31	12	---	27	26	---	124	---	1040	---	34	0	---
TOTAL	334.9	665	664	772	1003	1047	26820	9088	6766	990.1	695.96	98.67
MEAN	10.8	22	21	25	36	34	894	293	226	31.9	22.5	3.29
AC-FT	664	1320	1320	1530	1990	2080	53200	18030	13420	1960	1380	196
MAX	16	28	27	30	63	124	2630	1040	793	128	69	23
MIN	3.3	13	14	20	26	11	90	110	84	3.6	0	0

CAL YR 2004 TOTAL 29654.62 MEAN 81.0 MAX 2080 MIN 0 AC-FT 58820
WTR YR 2005 TOTAL 48944.63 MEAN 134 MAX 2630 MIN 0 AC-FT 97080

MAX DISCH: 4900 CFS AT 03:00 ON Apr. 7, 2005 GH 9.39 FT. SHIFT -0.1 FT.
MAX GH: 9.39 FT. AT 03:00 ON Apr. 7, 2005

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

PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO

LOCATION.--Lat 37°54'03", Long 103°17'56" (Hackamore Ranch, CO Quadrangle, Scale 1:24,000), NE1/4, SW1/4, Section 1, T25S, R53W. On the left bank approximately ¼ mile downstream of the Highland Canal Diversion Dam, Bent County, 11 mi southwest of Las Animas, Colorado.

DRAINAGE AREA.--N/A.

GAGE.--Float-activated graphic water-stage recorder and shaft encoder in small shelter over CMP stilling well. Shaft encoder wired to satellite-monitored data collection platform (Sutron 8004 DCP) in Purgatoire River below Highland Dam gage shelter. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder replaced with SDI shaft encoder on April 24, 2003. Shelter was submerged by high flows on June 29, 2003. Shaft encoder and chart recorder replaced on July 1, 2003. Standard 5-ft steel Parshall flume is the control. Primary reference gage is outside staff gage installed in flume.

REMARKS.--Record is complete and reliable except for: Apr 4-7, Jul 20-31, Aug 1-12, 2005, when weeds in the ditch restricted the flow and submerged the flume. Chart record was used for the following days when the shaft encoder malfunctioned: Oct 18-21, Nov 1-17, 2004; Apr 9-15, May 19, 31, June 1-7, Aug 15-17, 28-29, 2005. Record good, except for during periods when weeds restricted the flow in the ditch causing the flume to become submerged. Station maintained by A. Adame and record developed by Brian Boughton.

RATING TABLE.--STD05FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

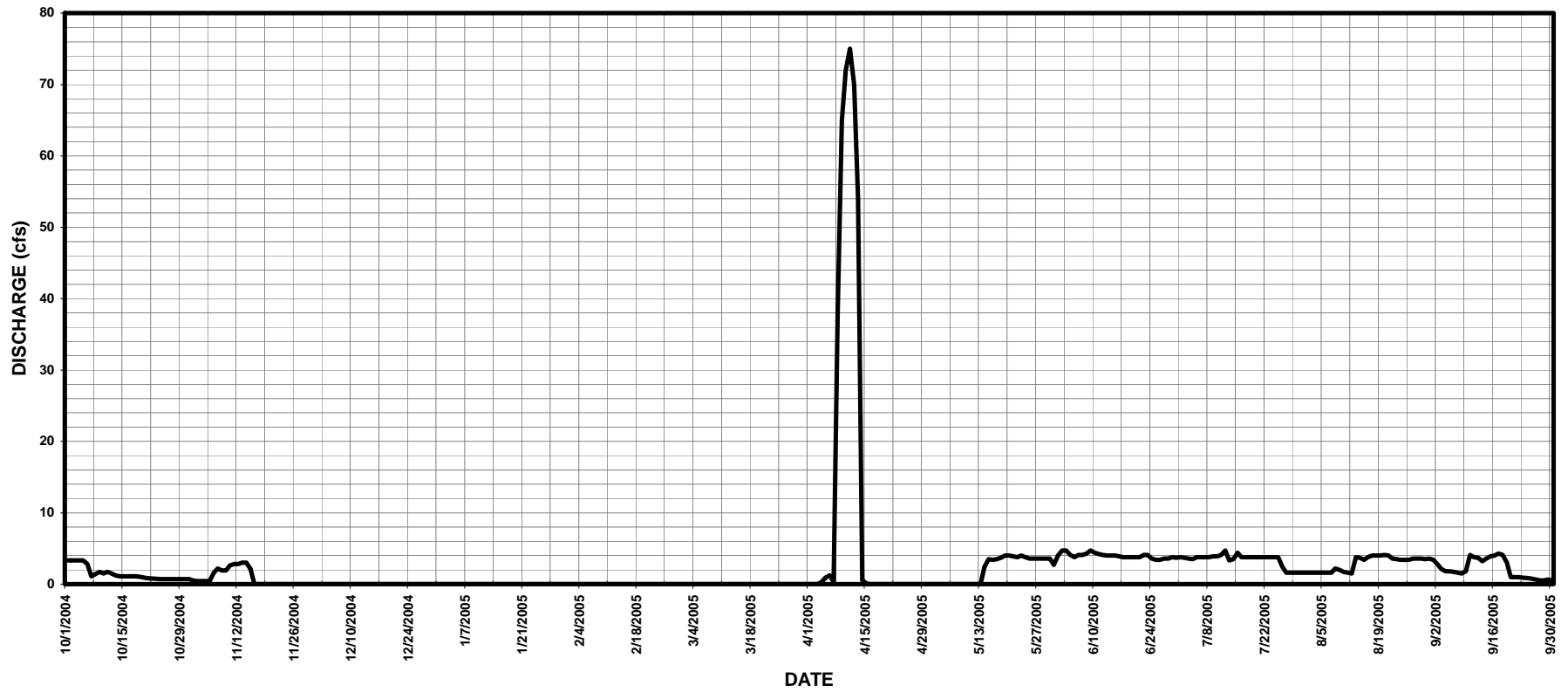
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	.52	0	0	0	0	0	0	4	3.8	1.6	3.4
2	3.3	.44	0	0	0	0	0	0	4.7	3.7	1.6	2.8
3	3.3	.44	0	0	0	0	0	0	4.7	3.6	1.6	2.1
4	3.3	.44	0	0	0	0	.28	0	4.1	3.5	1.6	1.8
5	3.3	.44	0	0	0	0	.88	0	3.8	3.8	1.6	1.8
6	2.8	1.6	0	0	0	0	1.2	0	4.1	3.8	1.6	1.7
7	1.1	2.2	0	0	0	0	.3	0	4.1	3.8	1.6	1.6
8	1.4	1.9	0	0	0	0	.38	0	4.3	3.8	2.2	1.5
9	1.7	1.9	0	0	0	0	.65	0	4.7	3.9	2	1.8
10	1.5	2.6	0	0	0	0	.72	0	4.4	3.9	1.7	4.1
11	1.7	2.8	0	0	0	0	.75	0	4.2	4.1	1.6	3.8
12	1.5	2.8	0	0	0	0	.70	0	4.1	4.7	1.5	3.7
13	1.2	3	0	0	0	0	.54	0	4	3.3	3.8	3.2
14	1.1	3	0	0	0	0	.6	2.4	4	3.5	3.7	3.6
15	1.1	2.1	0	0	0	0	.06	3.5	4	4.4	3.4	3.9
16	1.1	0	0	0	0	0	0	3.4	3.9	3.8	3.8	4
17	1.1	0	0	0	0	0	0	3.5	3.8	3.8	4	4.3
18	1.1	0	0	0	0	0	0	3.7	3.8	3.8	4	4.1
19	1	0	0	0	0	0	0	4	3.8	3.8	4	3
20	.9	0	0	0	0	0	0	4	3.8	3.8	4.1	.99
21	.8	0	0	0	0	0	0	3.9	3.8	3.8	4	.99
22	.78	0	0	0	0	0	0	3.8	4.1	3.8	3.6	.99
23	.76	0	0	0	0	0	0	4	4.1	3.8	3.5	.89
24	.69	0	0	0	0	0	0	3.8	3.6	3.8	3.4	.85
25	.69	0	0	0	0	0	0	3.6	3.4	3.8	3.4	.79
26	.69	0	0	0	0	0	0	3.6	3.4	2.4	3.4	.65
27	.69	0	0	0	0	0	0	3.6	3.6	1.6	3.6	.55
28	.69	0	0	0	0	0	0	3.6	3.6	1.6	3.6	.51
29	.69	0	0	0	---	0	0	3.6	3.8	1.6	3.6	.61
30	.69	0	0	0	---	0	0	3.6	3.7	1.6	3.5	.59
31	.69	---	0	0	---	0	---	2.7	---	1.6	3.6	---
TOTAL	44.66	26.18	0	0	0	0	377.32	64.3	119.4	106	90.2	64.61
MEAN	1.44	.87	0	0	0	0	12.6	2.07	4	3.4	2.9	2.15
AC-FT	89	52	0	0	0	0	748	128	237	210	179	128
MAX	3.3	3	0	0	0	0	75	4	4.7	4.7	4.1	4.3
MIN	.69	0	0	0	0	0	0	0	3.4	1.6	1.5	.51
CAL YR 2004	TOTAL	890.28	MEAN	2.43	MAX	80	MIN	0	AC-FT	1770		
WTR YR 2005	TOTAL	892.67	MEAN	2.45	MAX	75	MIN	0	AC-FT	1770		

MAX DISCH: 82.4 CFS AT 16:15 ON Apr. 11, 2005 GH 2.44 FT. SHIFT 0 FT.
MAX GH: 4.75 FT. AT 21:45 ON Jul. 20, 2005

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

HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO (COMBINED)

HIGHLAND CANAL near LAS ANIMAS, CO

LOCATION.--Lat 37°54'03", Long 103°17'56" (Hackamore Ranch, CO Quadrangle, Scale 1:24,000), NE1/4, SW1/4, Section 1, T25S, R53W. On the left bank approximately ¼ mile downstream of the Highland Canal Diversion Dam, Bent County, 11 mi southwest of Las Animas, Colorado.

DRAINAGE AREA.--N/A.

REMARKS.--The combined record of discharges was obtained by the addition of Highland Canal daily flows to the corresponding daily flows in the Purgatoire River below Highland Dam. The peak discharge for the water year was 4900 cfs at 0300 April 7, 2005. Combined record is fair, except during periods of estimated flow and flows greater than 500 cfs, which should be considered poor.

PURGATOIRE RIVER BELOW HIGHLAND DAM AND HIGHLAND CANAL (COMBINED)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

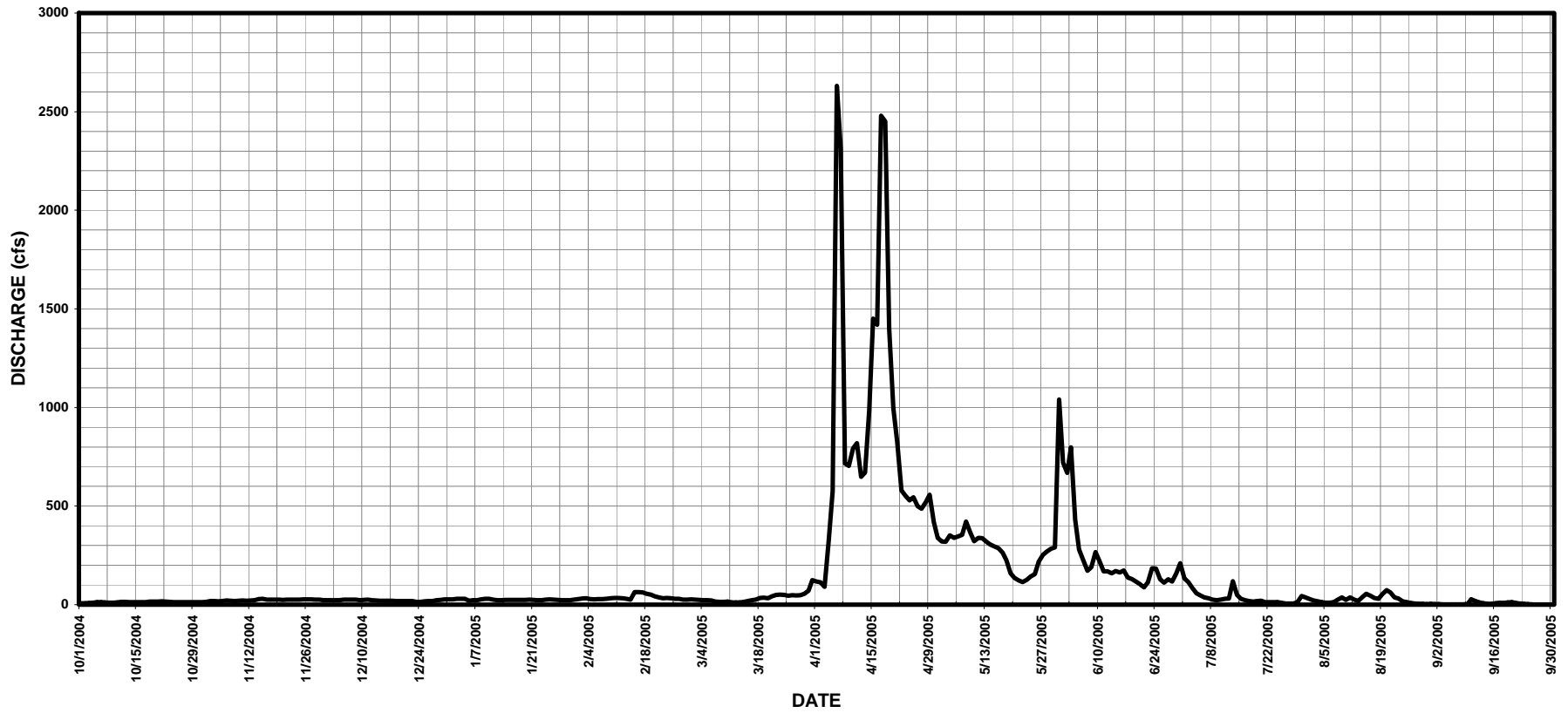
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	14	23	27	28	27	117	339	720	132	28	3.4
2	7.2	18	23	29	31	26	113	320	668	114	21	2.8
3	8.2	18	23	30	32	24	90	318	798	83	17	2.1
4	9.9	17	23	29	28	23	325	351	431	58	12	1.8
5	12	19	26	20	27	23	575	339	279	47	10	1.8
6	12	21	26	22	28	21	2630	345	226	37	10	1.7
7	11	20	25	23	28	16	2310	354	172	32	12	1.6
8	9.9	19	25	27	29	14	716	422	190	26	25	1.5
9	9.7	20	23	30	33	14	704	366	267	22	36	1.8
10	11	21	24	29	34	16	792	321	222	25	24	2.7
11	14	20	25	26	34	11	819	339	169	29	36	1.8
12	14	21	23	22	32	11	649	337	169	31	25	1.1
13	12	23	21	23	29	11	670	319	160	118	19	6.6
14	12	28	20	24	26	14	984	305	171	50	38	4.6
15	12	30	20	24	63	19	1450	295	163	30	55	4
16	13	26	20	24	63	22	1420	286	174	23	45	6.6
17	13	25	20	24	62	26	2480	264	137	18	34	9.9
18	15	26	19	24	55	34	2450	226	129	16	29	8.4
19	16	25	18	24	51	35	1400	160	117	19	53	1.1
20	16	24	19	25	42	32	995	135	104	20	73	1.2
21	17	25	18	24	37	42	824	123	88	13	62	8.2
22	15	25	18	22	33	49	579	114	113	13	37	5.3
23	14	25	14	23	34	51	552	126	184	12	31	4.4
24	13	25	14	26	33	49	528	142	183	13	17	3.2
25	13	27	17	27	30	45	544	155	128	9.7	12	1.4
26	13	27	18	25	29	48	499	218	111	6	9	.68
27	13	27	19	24	26	47	486	252	128	6	5.2	.6
28	13	26	22	23	26	48	519	269	117	6	3.7	.51
29	12	26	24	23	---	55	557	283	159	12	3.6	.61
30	13	23	27	23	---	70	419	290	210	44	3.5	.67
31	13	---	27	26	---	124	---	1040	---	36	3.6	---
TOTAL	383.5	691	664	772	1003	1047	27196	9153	6887	1100.7	789.6	163.17
MEAN	12.4	23	21	25	36	34	907	295	230	35.5	25.5	5.44
AC-FT	761	1370	1320	1530	1990	2080	53940	18150	13660	2180	1570	324
MAX	17	30	27	30	63	124	2630	1040	798	132	73	27
MIN	6.6	14	14	20	26	11	90	114	88	6	3.5	.51

CAL YR	2004	TOTAL	29729.22	MEAN	81.2	MAX	2080	MIN	0	AC-FT	58970
WTR YR	2005	TOTAL	49849.97	MEAN	137	MAX	2630	MIN	.51	AC-FT	98880

MAX DISCH: 4900 CFS AT 03:00 ON APR. 07, 2005

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

PURGATOIRE RIVER BELOW HIGHLAND DAM AND HIGHLAND CANAL NEAR LAS ANIMAS CO (COMBINED)
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

MUDDY CREEK BELOW MUDDY CREEK DAM NEAR TOONERVILLE, CO

LOCATION.-- Latitude 37° 45' 46", Longitude 103° 14' 36" (Toonerville, Colorado quadrangle, 1:24000 scale) in the SE¼ SE¼ Sec.21, T26S, R52W, Bent County on the north bridge abutment at the crossing of CR 11 and Muddy Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--Undetermined. The gage was established in the 1970's. It is unknown at this time how long the station was operated before it was abandoned. The station was reopened in the October of 2004 utilizing the existing stilling well.

GAGE.--Sutron SatLink-2 satellite-monitored data collection platform (DCP) and shaft encoder sheltered in a steel "half shelter" on a 24-inch CMP stilling well. The shaft encoder is referenced to a drop tape from an "I" beam on a rail along the bridge. Elevation of gage is approximately 4,230 ft above mean sea level from topographic map.

REMARKS.--The record is complete and fairly reliable, except for Oct. 1-5, 2004, because the station was not set until Oct. 5, 2004, and the period of Jun. 18 to Jul. 17, 2005 when the station did not transmit data. Record fair, except for the periods of missing gage height and mean daily flows exceeding 50 cfs, which should be considered poor. Station maintained by A. Adame and record developed by Brian Boughton.

RATING TABLE.--MUDTOOCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

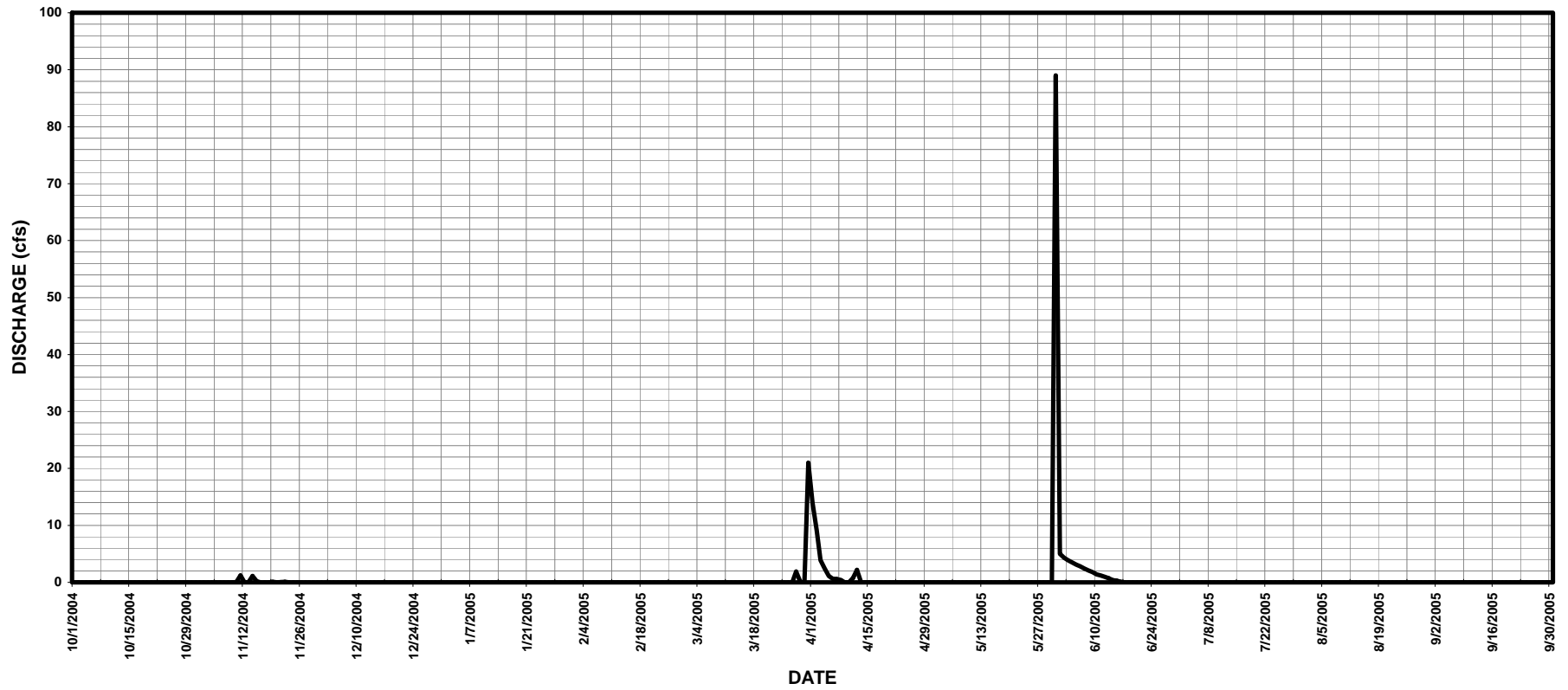
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	14	0	5	0	0	0
2	0	0	0	0	0	0	9.2	0	4.3	0	0	0
3	0	0	0	0	0	0	3.9	0	3.9	0	0	0
4	0	0	0	0	0	0	2.4	0	3.5	0	0	0
5	0	0	0	0	0	0	1.1	0	3.1	0	0	0
6	0	0	0	0	0	0	.63	0	2.8	0	0	0
7	0	0	0	0	0	0	.56	0	2.4	0	0	0
8	0	0	0	0	0	0	.41	0	2.1	0	0	0
9	0	0	0	0	0	0	0	0	1.8	0	0	0
10	0	.04	0	0	0	0	0	0	1.4	0	0	0
11	0	1.2	0	0	0	0	.79	0	1.2	0	0	0
12	0	0	0	0	0	0	2.2	0	.95	0	0	0
13	0	0	0	0	0	0	0	0	.71	0	0	0
14	0	1.1	0	0	0	0	0	0	.39	0	0	0
15	0	.21	0	0	0	0	0	0	.28	0	0	0
16	0	0	0	0	0	0	0	0	.11	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	.09	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	.06	0	0	0	0	0	0	0	0	0	0
22	0	.11	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	1.9	0	0	0	0	0	0
29	0	0	0	0	---	.09	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	21	---	89	---	0	0	---
TOTAL	0	2.81	0	0	0	22.99	35.19	89	33.94	0	0	0
MEAN	0	.09	0	0	0	.74	1.17	2.87	1.13	0	0	0
AC-FT	0	5.6	0	0	0	46	70	177	67	0	0	0
MAX	0	1.2	0	0	0	21	14	89	5	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2004	TOTAL	NA MEAN	NA MAX	NA MIN	NA AC-FT	NA
WTR YR	2005	TOTAL	183.93	.5	89	0	365

MAX DISCH: 410 CFS AT 05:30 ON May. 31, 2005 GH 6.17 FT. SHIFT -0.79 FT. DATUM CORRECTION +1.19
MAX GH: 7.36 FT. AT 05:30 ON May. 31, 2005 (DATUM CORRECTION APPLIED +1.19)

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

MUDDY CREEK BELOW MUDDY CREEK DAM NEAR TOONERVILLE CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

RULE CREEK AT HWY 101 NEAR TOONERVILLE CO

LOCATION.-- Latitude 37° 49' 12", Longitude 103° 10' 55" (Toonerville, Colorado quadrangle, 1:24000 scale) in the NW¼ Sec.6, T26S, R51W, Bent County on the downstream side of a bridge abutment at the crossing of Highway 101 and Rule Creek approximately 920 feet below the confluence of Muddy and Rule Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--Undetermined. The gage was established in the 1970's. It is unknown at this time how long the station was operated before it was abandoned. The station was reopened in the October of 2004 utilizing the existing stilling well.

GAGE.--High data rate Sutron SatLink Logger DCP and shaft encoder in a steel "half shelter" mounted on top of a 24-inch corrugated metal stilling well. Primary record is satellite-monitored data with satellite data used for backup purposes. Elevation of gage is approximately 4,120 ft above mean sea level from topographic map.

REMARKS.--There is no gage height record for WY2005 due to mud and silt in the stilling well. Existing stilling well was filled with approximately 2 to 3 feet of mud and silt. Before the mud and silt could be removed, the landowner installed an earth dam below the gage and caused water to pool in the creek. The water in the creek made the removal of the silt from the well and the installation of new intakes impossible. Record should be considered unreliable and poor for the entire water year. Flows for the entire water year were based on flows from a gauging station located approximately 7 miles upstream on Muddy Creek. In WY2006 an Accububbler system will be installed to collect gage height data. Station maintained by A. Adame and record developed by Brian Boughton.

RATING TABLE.-- RULTOOC001 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

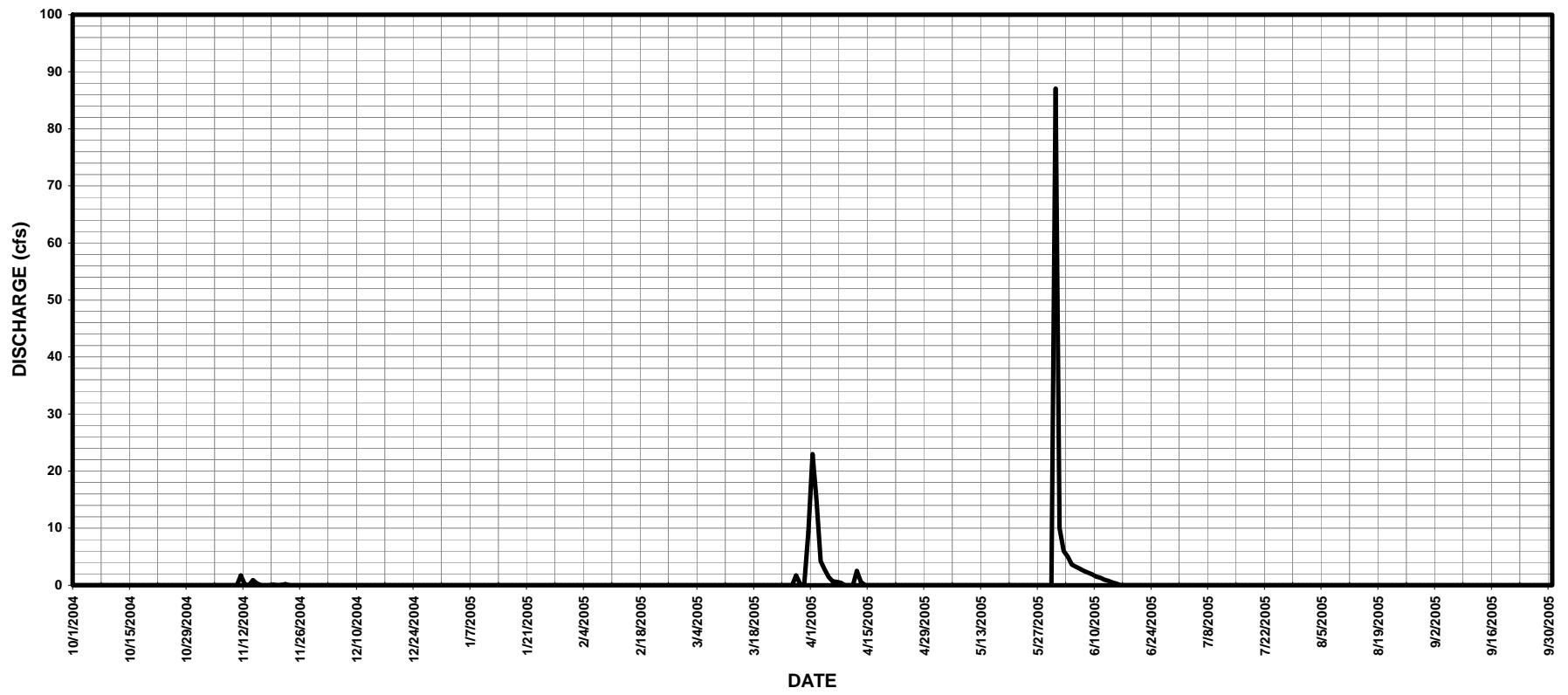
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	23	0	10	0	0	0
2	0	0	0	0	0	0	15	0	6	0	0	0
3	0	0	0	0	0	0	4.2	0	5	0	0	0
4	0	0	0	0	0	0	2.8	0	3.6	0	0	0
5	0	0	0	0	0	0	1.4	0	3.2	0	0	0
6	0	0	0	0	0	0	.69	0	2.9	0	0	0
7	0	0	0	0	0	0	.61	0	2.5	0	0	0
8	0	0	0	0	0	0	.45	0	2.2	0	0	0
9	0	0	0	0	0	0	0	0	1.9	0	0	0
10	0	0	0	0	0	0	0	0	1.5	0	0	0
11	0	1.7	0	0	0	0	0	0	1.3	0	0	0
12	0	.13	0	0	0	0	2.5	0	1	0	0	0
13	0	0	0	0	0	0	.56	0	.77	0	0	0
14	0	.9	0	0	0	0	0	0	.48	0	0	0
15	0	.3	0	0	0	0	0	0	.3	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	.1	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	.03	0	0	0	0	0	0	0	0	0	0
22	0	.18	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	1.7	0	0	0	0	0	0
29	0	0	0	0	---	.2	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	9.3	---	87	---	0	0	---
TOTAL	0	3.34	0	0	0	11.2	51.21	87	42.65	0	0	0
MEAN	0	.11	0	0	0	.36	1.71	2.81	1.42	0	0	0
AC-FT	0	6.6	0	0	0	22	102	173	85	0	0	0
MAX	0	1.7	0	0	0	9.3	23	87	10	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2004	TOTAL	NA	MEAN	NA	MAX	NA	MIN	NA	AC-FT	NA
WTR YR	2005	TOTAL	195.4 (EST)	MEAN	NA	MAX	NA	MIN	0	AC-FT	NA

MAX DISCH: UNDETERMINED.
MAX GH: UNDETERMINED.

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

RULE CREEK AT HWY 101 NEAR TOONERVILLE CO
WY2005 HYDROGRAPH



ARKANSAS RIVER BASIN

07134125 ARKANSAS RIVER BELOW X-Y DITCH DAM NEAR 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.--Sutron Accubar water level sensor and high data rate satellite-monitored Sutron 8210 data collection platform in a 4 ft x 4 ft steel shelter. Outside staff gage on right side below shelter is the primary reference gage. Primary record is DCP log data with satellite-monitored data used for backup. Outside staff gage on right side of channel below shelter is primary reference gage.

REMARKS.--Record is complete and reliable except for the following periods: Nov 29, 30, Dec 1-4, 23-27, 2004; Jan 5-8, 14-17, 2005, when ice affected the stage-discharge relationship. Record good, except for those periods of estimated record and ice effect, which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--ARKCARCO04 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

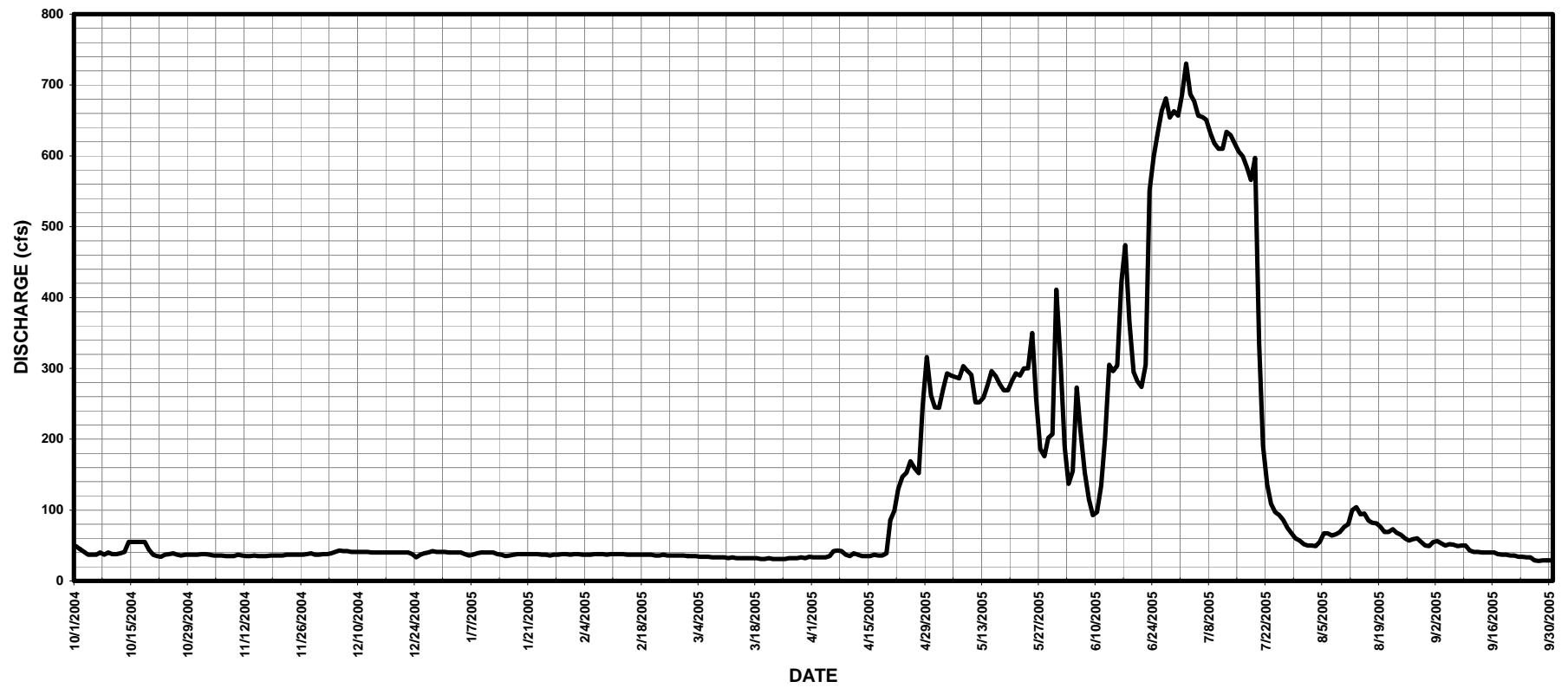
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	38	38	40	38	35	33	245	310	686	50	55
2	45	38	38	40	38	35	33	244	189	730	50	56
3	41	37	39	40	37	35	33	271	137	687	49	53
4	37	36	41	40	37	34	33	293	155	677	55	50
5	37	36	43	38	37	34	35	290	273	657	67	52
6	37	36	42	36	38	34	42	288	210	655	67	51
7	40	35	42	37	38	33	43	286	153	651	64	49
8	37	35	41	39	38	33	42	303	115	632	66	50
9	40	35	41	40	37	33	37	297	93	618	69	50
10	38	37	41	40	38	33	35	291	97	610	76	43
11	38	36	41	40	38	32	39	252	134	610	80	41
12	39	35	41	40	38	33	37	252	201	634	100	41
13	41	35	40	38	38	32	35	259	305	629	104	40
14	55	36	40	37	37	32	35	277	296	617	94	40
15	55	35	40	35	37	32	35	296	304	606	95	40
16	55	35	40	36	37	32	37	289	422	599	85	40
17	55	35	40	37	37	32	36	278	474	583	82	38
18	55	36	40	38	37	32	36	269	365	566	81	37
19	44	36	40	38	37	31	39	269	295	597	76	37
20	37	36	40	38	37	31	86	282	282	336	69	36
21	35	36	40	38	36	32	99	293	274	191	69	36
22	34	37	40	38	36	31	130	290	305	136	73	34
23	37	37	38	38	37	31	147	300	551	109	68	34
24	38	37	33	37	36	31	153	300	599	97	65	33
25	39	37	37	37	36	31	169	350	631	93	60	33
26	37	37	39	36	36	32	159	258	664	86	57	29
27	36	38	40	37	36	32	152	186	681	75	59	28
28	37	39	42	37	36	32	247	176	654	67	60	29
29	37	37	41	38	---	33	316	202	663	60	55	29
30	37	37	41	38	---	32	262	207	657	57	50	29
31	37	---	41	37	---	34	---	411	---	52	49	---
TOTAL	1279	1090	1240	1178	1038	1009	2615	8504	10489	13403	2144	1213
MEAN	41	36	40	38	37	33	87	274	350	432	69	40
AC-FT	2540	2160	2460	2340	2060	2000	5190	16870	20800	26580	4250	2410
MAX	55	39	43	40	38	35	316	411	681	730	104	56
MIN	34	35	33	35	36	31	33	176	93	52	49	28

CAL YR	2004	TOTAL	29480	MEAN	80.5	MAX	720	MIN	19	AC-FT	58470
WTR YR	2005	TOTAL	45202	MEAN	124	MAX	730	MIN	28	AC-FT	89660

MAX DISCH: 793 CFS AT 22:30 ON Jul. 1, 2005 GH 2.96 FT. SHIFT 0.18 FT.
MAX GH: 2.96 FT. AT 22:30 ON Jul. 1, 2005

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

07134125 ARKANSAS RIVER BELOW X-Y DITCH DAM NEAR CARLTON CO
WY2005 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREMONT 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.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate 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 6-foot steel Parshall flume.

REMARKS.--Record is complete and reliable, except for the following days: May 26-29; June 1,5,8,11,13,14, 2005 when ice affected the stage-discharge relationship. Record good, except for periods of ice-affected record, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--COLDITCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

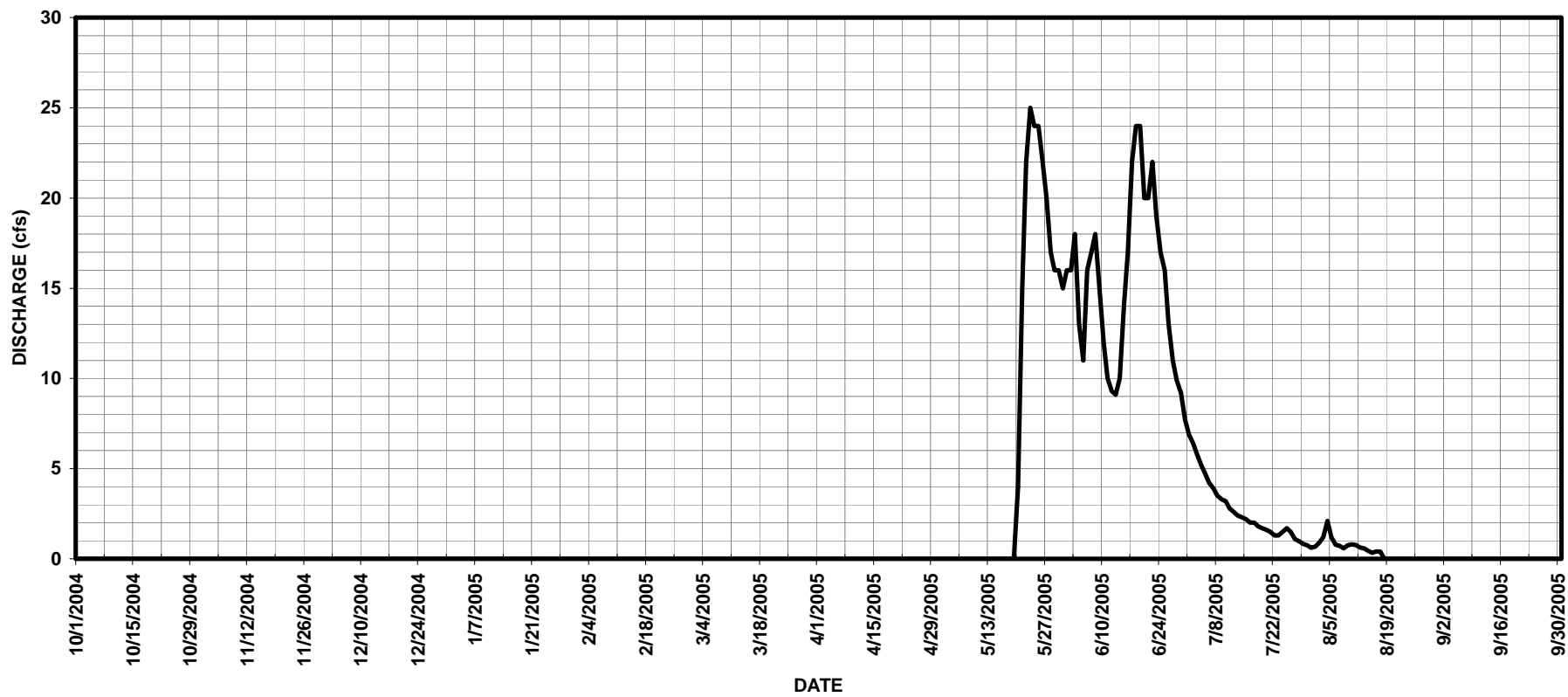
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	16	6.9	.68	0
2	0	0	0	0	0	0	0	0	16	6.4	.89	0
3	0	0	0	0	0	0	0	0	18	5.8	1.2	0
4	0	0	0	0	0	0	0	0	13	5.2	2.1	0
5	0	0	0	0	0	0	0	0	11	4.7	1.2	0
6	0	0	0	0	0	0	0	0	16	4.2	.79	0
7	0	0	0	0	0	0	0	0	17	3.9	.73	0
8	0	0	0	0	0	0	0	0	18	3.5	.59	0
9	0	0	0	0	0	0	0	0	15	3.3	.75	0
10	0	0	0	0	0	0	0	0	12	3.2	.81	0
11	0	0	0	0	0	0	0	0	10	2.8	.77	0
12	0	0	0	0	0	0	0	0	9.3	2.6	.64	0
13	0	0	0	0	0	0	0	0	9.1	2.4	.59	0
14	0	0	0	0	0	0	0	0	10	2.3	.45	0
15	0	0	0	0	0	0	0	0	14	2.2	.34	0
16	0	0	0	0	0	0	0	0	17	2	.42	0
17	0	0	0	0	0	0	0	0	22	2	.4	0
18	0	0	0	0	0	0	0	0	24	1.8	0	0
19	0	0	0	0	0	0	0	0	24	1.7	0	0
20	0	0	0	0	0	0	0	4	20	1.6	0	0
21	0	0	0	0	0	0	0	15	20	1.5	0	0
22	0	0	0	0	0	0	0	22	22	1.3	0	0
23	0	0	0	0	0	0	0	25	19	1.3	0	0
24	0	0	0	0	0	0	0	24	17	1.5	0	0
25	0	0	0	0	0	0	0	24	16	1.7	0	0
26	0	0	0	0	0	0	0	22	13	1.5	0	0
27	0	0	0	0	0	0	0	20	11	1.1	0	0
28	0	0	0	0	0	0	0	17	9.9	.99	0	0
29	0	0	0	0	---	0	0	16	9.2	.84	0	0
30	0	0	0	0	---	0	0	16	7.7	.75	0	0
31	0	---	0	0	---	0	---	15	---	.61	0	---
TOTAL	0	0	0	0	0	0	0	220	456.2	81.59	13.35	0
MEAN	0	0	0	0	0	0	0	7.1	15.2	2.63	.43	0
AC-FT	0	0	0	0	0	0	0	436	905	162	26	0
MAX	0	0	0	0	0	0	0	25	24	6.9	2.1	0
MIN	0	0	0	0	0	0	0	0	7.7	.61	0	0

CAL YR	2004	TOTAL	610.97	MEAN	1.67	MAX	29	MIN	0	AC-FT	1210
WTR YR	2005	TOTAL	771.14	MEAN	2.11	MAX	25	MIN	0	AC-FT	1530

MAX DISCH: 42.5 CFS AT 18:45 ON Jun. 18, 2005 GH 1.4 FT. SHIFT 0.03 FT.
MAX GH: 1.4 FT. AT 18:45 ON Jun. 18, 2005

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

09061500 COLUMBINE DITCH NEAR FREMONT PASS CO
WY2005 HYDROGRAPH



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 (Sutron SatLink high data rate 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. 21-26, 28-30; May 1, 2, 5-7, 9, 10, 12, 14, 15, 18, 2005. Record good, except for periods of ice effects, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD04FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

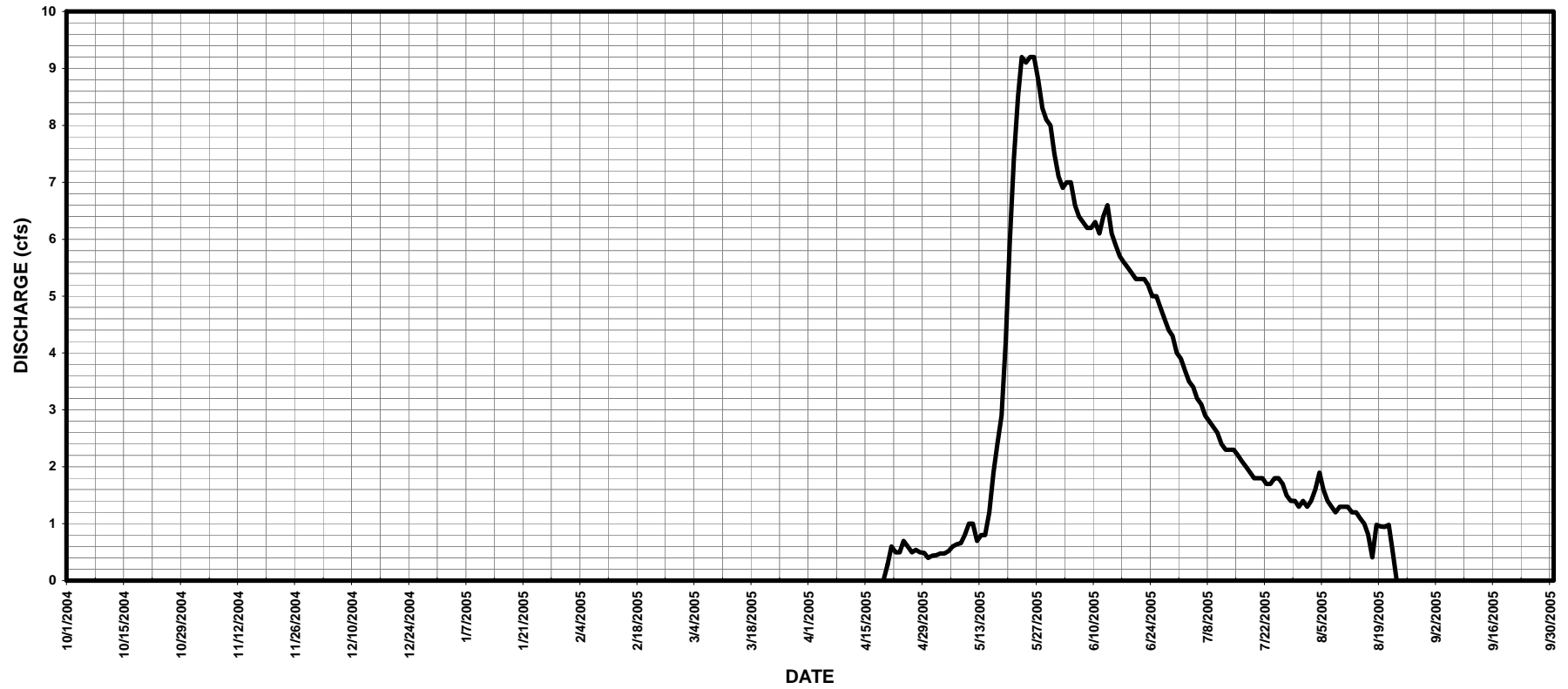
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	.44	7.1	3.9	1.3	0
2	0	0	0	0	0	0	0	.45	6.9	3.7	1.4	0
3	0	0	0	0	0	0	0	.48	7	3.5	1.6	0
4	0	0	0	0	0	0	0	.48	7	3.4	1.9	0
5	0	0	0	0	0	0	0	.52	6.6	3.2	1.6	0
6	0	0	0	0	0	0	0	.6	6.4	3.1	1.4	0
7	0	0	0	0	0	0	0	.64	6.3	2.9	1.3	0
8	0	0	0	0	0	0	0	.66	6.2	2.8	1.2	0
9	0	0	0	0	0	0	0	.8	6.2	2.7	1.3	0
10	0	0	0	0	0	0	0	1	6.3	2.6	1.3	0
11	0	0	0	0	0	0	0	1	6.1	2.4	1.3	0
12	0	0	0	0	0	0	0	.7	6.4	2.3	1.2	0
13	0	0	0	0	0	0	0	.8	6.6	2.3	1.2	0
14	0	0	0	0	0	0	0	.8	6.1	2.3	1.1	0
15	0	0	0	0	0	0	0	1.2	5.9	2.2	1	0
16	0	0	0	0	0	0	0	1.9	5.7	2.1	.81	0
17	0	0	0	0	0	0	0	2.4	5.6	2	.41	0
18	0	0	0	0	0	0	0	2.9	5.5	1.9	.98	0
19	0	0	0	0	0	0	0	4.2	5.4	1.8	.95	0
20	0	0	0	0	0	0	.28	5.9	5.3	1.8	.94	0
21	0	0	0	0	0	0	.6	7.4	5.3	1.8	.98	0
22	0	0	0	0	0	0	.5	8.5	5.3	1.7	.53	0
23	0	0	0	0	0	0	.5	9.2	5.2	1.7	0	0
24	0	0	0	0	0	0	.7	9.1	5	1.8	0	0
25	0	0	0	0	0	0	.6	9.2	5	1.8	0	0
26	0	0	0	0	0	0	.5	9.2	4.8	1.7	0	0
27	0	0	0	0	0	0	.54	8.8	4.6	1.5	0	0
28	0	0	0	0	0	0	.5	8.3	4.4	1.4	0	0
29	0	0	0	0	---	0	.49	8.1	4.3	1.4	0	0
30	0	0	0	0	---	0	.4	8	4	1.3	0	0
31	0	---	0	0	---	0	---	7.5	---	1.4	0	---
TOTAL	0	0	0	0	0	0	5.61	121.17	172.5	70.4	25.7	0
MEAN	0	0	0	0	0	0	.19	3.91	5.8	2.3	.83	0
AC-FT	0	0	0	0	0	0	11	240	342	140	51	0
MAX	0	0	0	0	0	0	.7	9.2	7.1	3.9	1.9	0
MIN	0	0	0	0	0	0	0	.44	4	1.3	0	0

CAL YR 2004 TOTAL 251.62 MEAN 0.69 MAX 4.8 MIN 0 AC-FT 499
WTR YR 2005 TOTAL 395.38 MEAN 1.08 MAX 9.2 MIN 0 AC-FT 784

MAX DISCH: 12.8 CFS AT 18:00 ON May. 23, 2005 GH 0.91 FT. SHIFT -0.04 FT.
MAX GH: 0.91 FT. AT 18:00 ON May. 23, 2005

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

09062000 EWING DITCH AT TENNESSEE PASS CO
WY2005 HYDROGRAPH



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.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP and logger) 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 6-foot steel Parshall flume.

REMARKS.--Record is complete and reliable, except for the following periods: April 20, 21, 30; May 1, 2005 when the stage was ice-affected. Record good, except for those periods of ice affected record, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WURDITCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

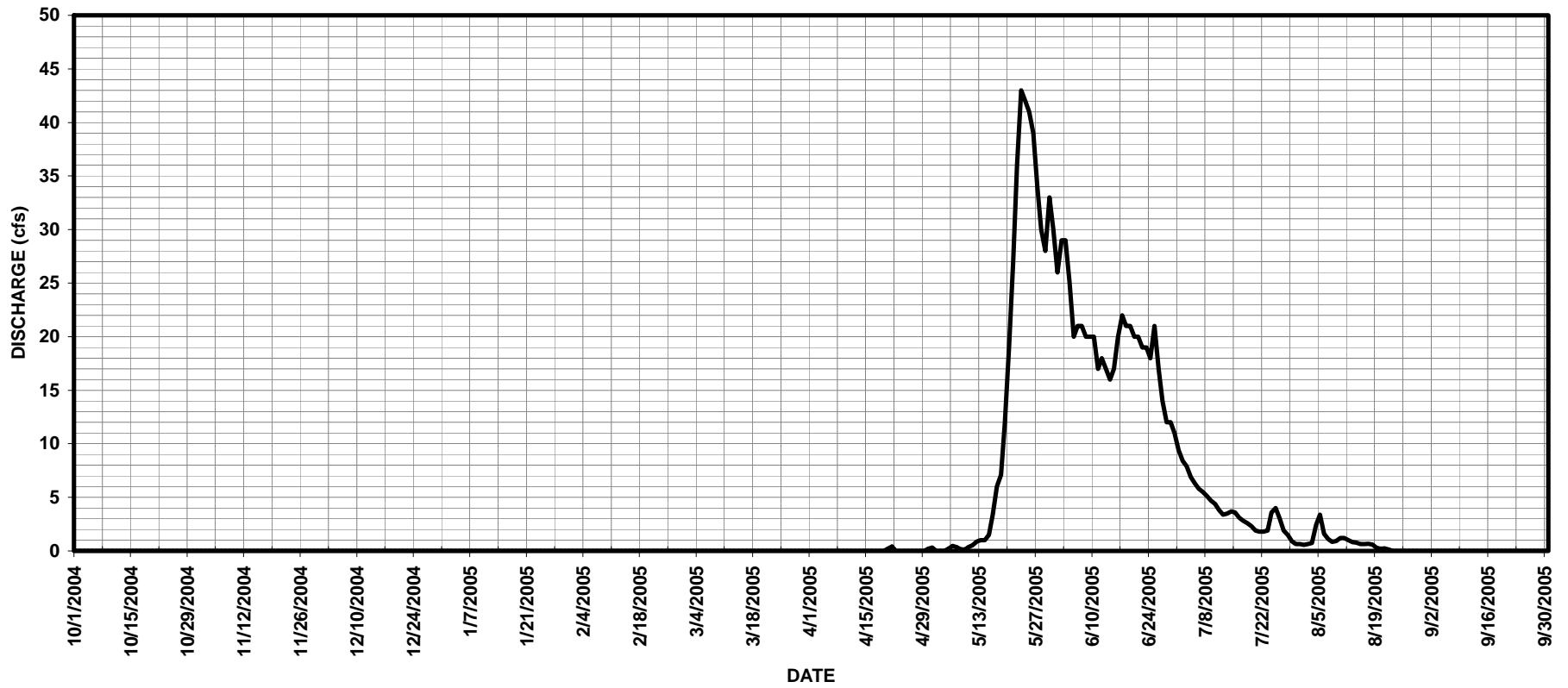
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	.3	26	9.4	.57	0
2	0	0	0	0	0	0	0	0	29	8.4	.63	0
3	0	0	0	0	0	0	0	0	29	7.9	.75	0
4	0	0	0	0	0	0	0	0	25	6.9	2.4	0
5	0	0	0	0	0	0	0	.21	20	6.3	3.4	0
6	0	0	0	0	0	0	0	.45	21	5.8	1.6	0
7	0	0	0	0	0	0	0	.36	21	5.5	1.1	0
8	0	0	0	0	0	0	0	.16	20	5.1	.85	0
9	0	0	0	0	0	0	0	.14	20	4.7	.93	0
10	0	0	0	0	0	0	0	.36	20	4.4	1.2	0
11	0	0	0	0	0	0	0	.55	17	3.8	1.2	0
12	0	0	0	0	0	0	0	.87	18	3.4	1	0
13	0	0	0	0	0	0	0	.99	17	3.5	.82	0
14	0	0	0	0	0	0	0	.99	16	3.7	.78	0
15	0	0	0	0	0	0	0	1.5	17	3.6	.63	0
16	0	0	0	0	0	0	0	3.4	20	3.1	.63	0
17	0	0	0	0	0	0	0	6	22	2.8	.67	0
18	0	0	0	0	0	0	0	7.1	21	2.6	.58	0
19	0	0	0	0	0	0	0	12	21	2.3	.28	0
20	0	0	0	0	0	0	.2	19	20	1.9	.2	0
21	0	0	0	0	0	0	.4	27	20	1.8	.23	0
22	0	0	0	0	0	0	0	36	19	1.8	.13	0
23	0	0	0	0	0	0	0	43	19	1.9	0	0
24	0	0	0	0	0	0	0	42	18	3.6	0	0
25	0	0	0	0	0	0	0	41	21	4	0	0
26	0	0	0	0	0	0	0	39	17	3	0	0
27	0	0	0	0	0	0	0	34	14	1.9	0	0
28	0	0	0	0	0	0	0	30	12	1.5	0	0
29	0	0	0	0	---	0	0	28	12	.9	0	0
30	0	0	0	0	---	0	.2	33	11	.65	0	0
31	0	---	0	0	---	0	---	30	---	.63	0	---
TOTAL	0	0	0	0	0	0	.8	437.38	583	116.78	20.58	0
MEAN	0	0	0	0	0	0	.03	14.1	19	3.77	.66	0
AC-FT	0	0	0	0	0	0	1.6	868	1160	232	41	0
MAX	0	0	0	0	0	0	.4	43	29	9.4	3.4	0
MIN	0	0	0	0	0	0	0	0	11	.63	0	0

CAL YR	2004	TOTAL	798.96	MEAN	2.18	MAX	24	MIN	0	AC-FT	1580
WTR YR	2005	TOTAL	1158.54	MEAN	3.17	MAX	43	MIN	0	AC-FT	2300

MAX DISCH: 56 CFS AT 21:15 ON May. 23, 2005 GH 1.65 FT. SHIFT 0.05 FT.
MAX GH: 1.65 FT. AT 21:15 ON May. 23, 2005

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

09062500 WURTZ DITCH NEAR TENNESSEE PASS CO
WY2005 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION AT TENNESSEE PASS NEAR LEADVILLE, CO

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

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink HDR 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 6-foot, steel Parshall flume. Control is a 6-foot steel Parshall flume.

REMARKS.--Record is complete and reliable except for the following periods: June 11-13, 2005, due to ice-affected flow in the flume. Record good, except for ice-affected days, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WUREXD001 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

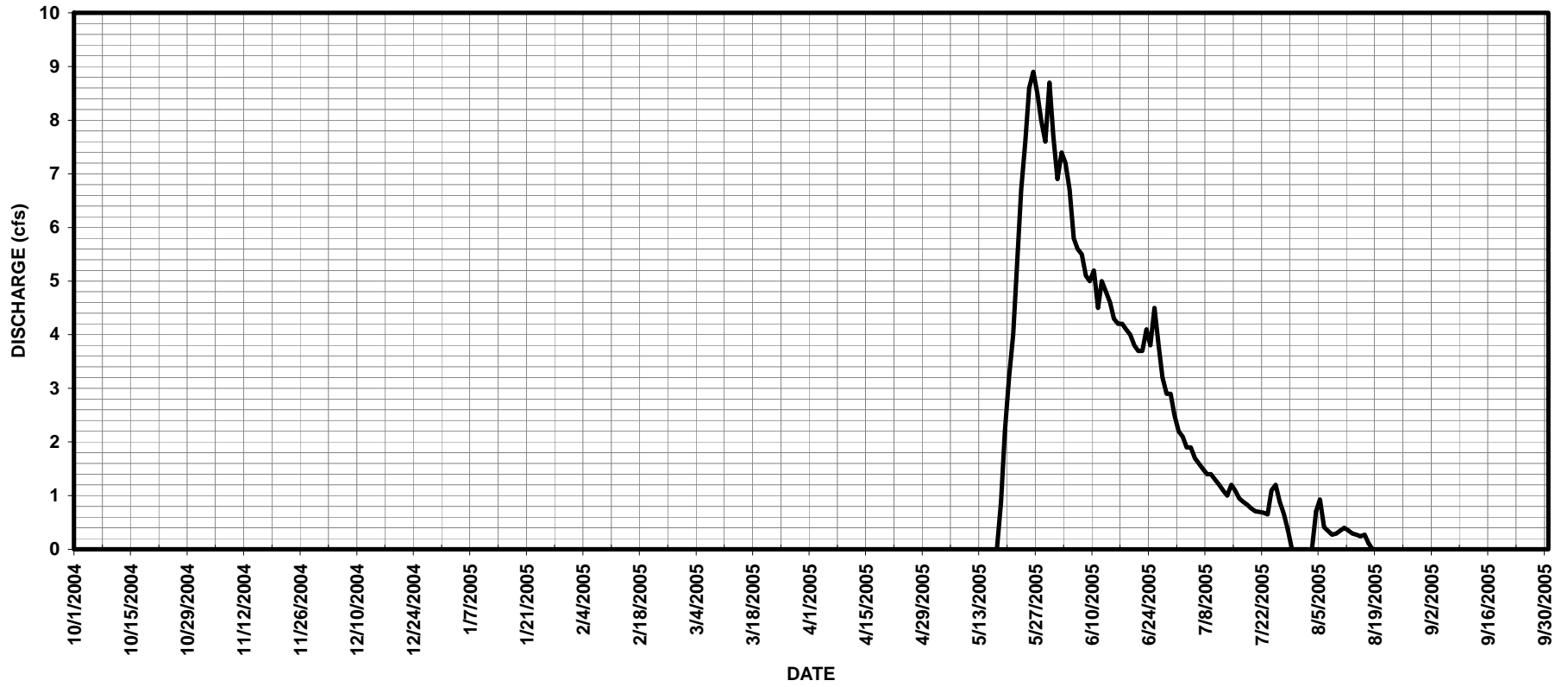
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	6.9	2.2	0	0
2	0	0	0	0	0	0	0	0	7.4	2.1	0	0
3	0	0	0	0	0	0	0	0	7.2	1.9	0	0
4	0	0	0	0	0	0	0	0	6.7	1.9	.71	0
5	0	0	0	0	0	0	0	0	5.8	1.7	.93	0
6	0	0	0	0	0	0	0	0	5.6	1.6	.41	0
7	0	0	0	0	0	0	0	0	5.5	1.5	.34	0
8	0	0	0	0	0	0	0	0	5.1	1.4	.27	0
9	0	0	0	0	0	0	0	0	5	1.4	.29	0
10	0	0	0	0	0	0	0	0	5.2	1.3	.35	0
11	0	0	0	0	0	0	0	0	4.5	1.2	.4	0
12	0	0	0	0	0	0	0	0	5	1.1	.35	0
13	0	0	0	0	0	0	0	0	4.8	1	.29	0
14	0	0	0	0	0	0	0	0	4.6	1.2	.27	0
15	0	0	0	0	0	0	0	0	4.3	1.1	.24	0
16	0	0	0	0	0	0	0	0	4.2	.95	.27	0
17	0	0	0	0	0	0	0	0	4.2	.88	.12	0
18	0	0	0	0	0	0	0	.88	4.1	.83	0	0
19	0	0	0	0	0	0	0	2.2	4	.76	0	0
20	0	0	0	0	0	0	0	3.2	3.8	.71	0	0
21	0	0	0	0	0	0	0	4	3.7	.7	0	0
22	0	0	0	0	0	0	0	5.3	3.7	.68	0	0
23	0	0	0	0	0	0	0	6.7	4.1	.65	0	0
24	0	0	0	0	0	0	0	7.6	3.8	1.1	0	0
25	0	0	0	0	0	0	0	8.6	4.5	1.2	0	0
26	0	0	0	0	0	0	0	8.9	3.8	.88	0	0
27	0	0	0	0	0	0	0	8.5	3.2	.67	0	0
28	0	0	0	0	0	0	0	8	2.9	.37	0	0
29	0	0	0	0	---	0	0	7.6	2.9	0	0	0
30	0	0	0	0	---	0	0	8.7	2.5	0	0	0
31	0	---	0	0	---	0	---	7.7	---	0	0	---
TOTAL	0	0	0	0	0	0	0	87.88	139	32.98	5.24	0
MEAN	0	0	0	0	0	0	0	2.83	4.6	1.06	.17	0
AC-FT	0	0	0	0	0	0	0	174	276	65	10	0
MAX	0	0	0	0	0	0	0	8.9	7.4	2.2	.93	0
MIN	0	0	0	0	0	0	0	0	2.5	0	0	0

CAL YR	2004	TOTAL	163.01	MEAN	.45	MAX	4.5	MIN	0	AC-FT	323
WTR YR	2005	TOTAL	265.1	MEAN	.73	MAX	8.9	MIN	0	AC-FT	526

MAX DISCH: 11.2 CFS AT 19:00 ON May. 25, 2005 GH 0.63 FT. SHIFT -0.01 FT.
MAX GH: 0.63 FT. AT 19:00 ON May. 25, 2005

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

WURTZ DITCH EXTENSION AT TENNESSEE PASS NEAR LEADVILLE CO
WY2005 HYDROGRAPH



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, satellite-monitored data collection platform (Sutron SatLink high data rate DCP) and shaft encoder in a 4 ft x 4 ft wood shelter and concrete well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to inside electric tape gage. Control is a 12-foot concrete Parshall flume.

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

RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	298	155	0	0	0	0
2	0	0	0	0	0	0	300	71	0	0	0	0
3	0	0	0	0	0	0	298	0	0	0	0	0
4	0	0	0	0	0	0	297	0	0	0	0	0
5	0	0	0	0	0	0	295	0	0	0	0	0
6	0	0	0	0	0	0	294	0	0	0	0	0
7	0	0	0	0	0	0	292	0	0	0	0	0
8	0	0	0	0	0	0	291	0	0	0	0	1.3
9	0	0	0	0	0	0	289	0	0	0	0	0
10	0	0	0	0	0	0	287	0	0	0	0	0
11	18	0	0	0	0	0	302	0	0	0	0	0
12	4.2	0	0	0	0	0	315	0	0	0	0	20
13	4.5	0	0	0	0	0	314	0	0	0	0	5.5
14	4.5	0	0	0	0	0	312	0	0	0	0	3.6
15	2.6	0	0	0	0	0	310	0	0	0	0	0
16	.03	0	0	0	0	0	308	0	0	0	0	0
17	.03	0	0	0	0	0	306	0	0	0	0	0
18	.02	0	0	0	0	173	303	0	0	0	0	0
19	0	0	0	0	0	309	300	0	0	0	0	0
20	0	0	0	0	0	308	297	0	0	0	0	0
21	0	0	0	0	0	307	228	0	0	0	0	0
22	0	0	0	0	0	307	160	0	0	2.2	0	0
23	0	0	0	0	0	306	159	0	0	0	0	0
24	0	0	0	0	0	305	159	0	0	0	0	0
25	0	0	0	0	0	304	159	0	0	0	0	0
26	0	0	0	0	0	302	159	0	0	0	0	0
27	0	0	0	0	0	300	158	0	0	0	0	0
28	0	0	0	0	0	299	158	0	0	0	0	0
29	0	0	0	0	---	296	157	0	0	0	0	0
30	0	0	0	0	---	295	156	0	0	0	0	0
31	0	---	0	0	---	293	---	0	---	0	0	---
TOTAL	33.88	0	0	0	0	4104	7661	226	0	2.2	0	30.4
MEAN	1.09	0	0	0	0	132	255	7.29	0	.07	0	1.01
AC-FT	67	0	0	0	0	8140	15200	448	0	4.4	0	60
MAX	18	0	0	0	0	309	315	155	0	2.2	0	20
MIN	0	0	0	0	0	0	156	0	0	0	0	0

CAL YR	2004	TOTAL	4648.47	MEAN	13	MAX	209	MIN	0	AC-FT	9220
WTR YR	2005	TOTAL	12057.48	MEAN	33	MAX	315	MIN	0	AC-FT	23920

MAX DISCH: 316 CFS AT 13:00 ON Apr. 11, 2005 GH 3.22 FT. SHIFT 0.08 FT.
MAX GH: 3.22 FT. AT 13:00 ON Apr. 11, 2005

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

09063700 HOMESTAKE TUNNEL NEAR GOLD PARK CO
WY2005 HYDROGRAPH



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-monitored data collection platform (Sutron 8210 high data rate DCP) and shaft encoder in a 5'x 5' concrete shelter. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to inside drop tape and RP with an outside staff gage in the flume used as a supplemental reference gage. An electric tape gage was installed on Aug. 20, 2003. Control is a 15-foot concrete Parshall flume.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-Nov. 9, 2004, and July 30-Sept. 30, 2005, when maintenance was being performed in the tunnel and a flume by-pass drain was used, resulting in these periods becoming estimated days. Record fair. The Boustead Tunnel flume is located approximately 90 feet downstream of the mouth of Boustead Tunnel. There are no provisions over this 90-foot reach for a deeper channel section prior to the flume entrance, nor any other channel modifications, to help still and slow the flow to the recommended tranquil flow conditions. Observations of flow conditions at higher stages over the past several years have indicated the approach velocities to the flume are too high and poorly distributed by the time flow reaches the flume entrance. This results in increasing positive shifts to the rating as stage increases. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

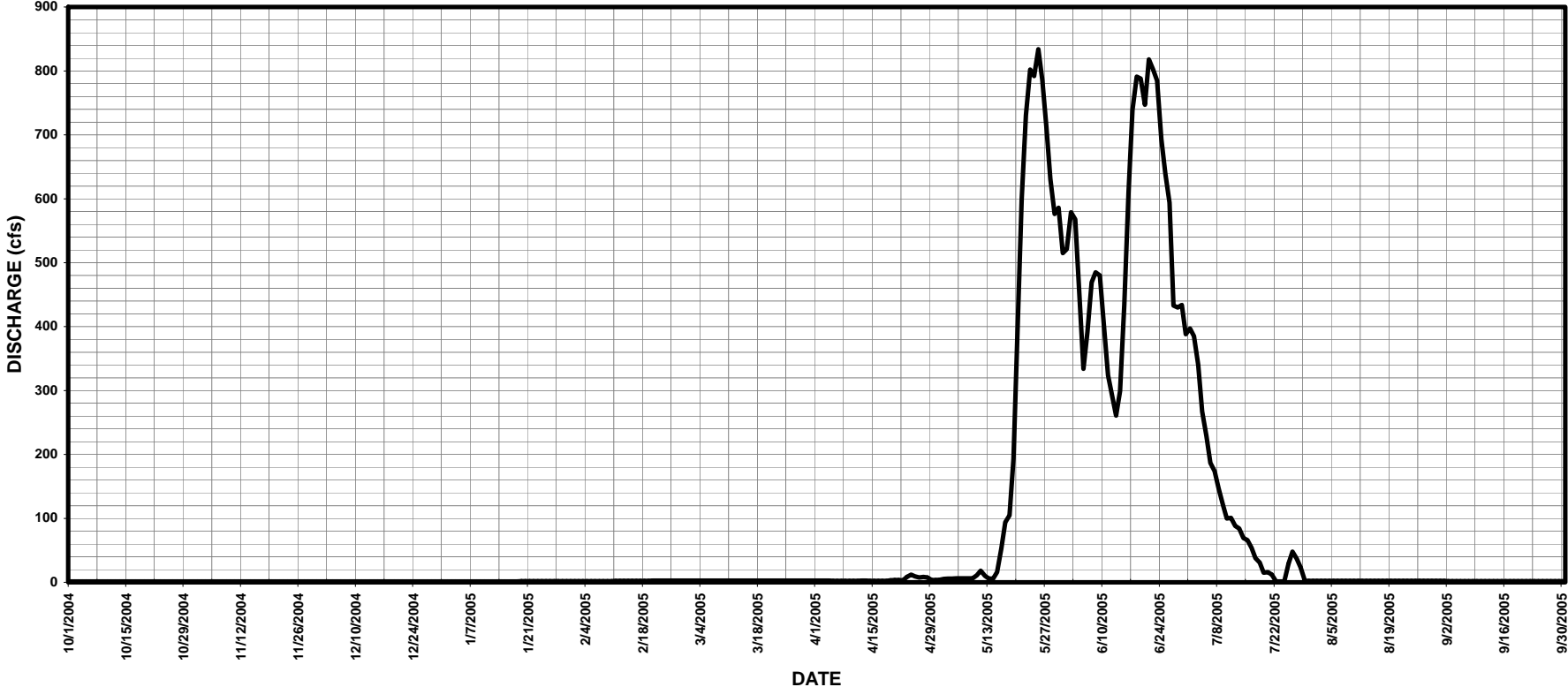
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.2	1.2	1.4	1.9	2.5	2.7	3.9	521	397	2.2	2
2	1.4	1.2	1.2	1.4	1.9	2.5	2.5	5.1	579	385	2.2	1.9
3	1.4	1.2	1.2	1.4	1.9	2.5	2.5	5.9	568	340	2.2	1.9
4	1.4	1.2	1.2	1.4	1.9	2.5	2.5	5.8	455	267	2.2	1.9
5	1.4	1.2	1.2	1.4	1.9	2.5	2.3	6.3	334	229	2.2	1.9
6	1.4	1.2	1.2	1.4	1.9	2.5	2.2	6.3	391	187	2.2	1.9
7	1.4	1.2	1.2	1.4	1.9	2.5	2.2	6.3	469	174	2.2	1.9
8	1.4	1.2	1.2	1.4	1.9	2.5	2.2	6.3	485	147	2.2	1.9
9	1.4	1.2	1.2	1.4	1.9	2.5	2.2	6.3	480	122	2.2	1.9
10	1.4	1.2	1.2	1.4	1.9	2.5	2.2	11	404	100	2.1	1.9
11	1.3	1.2	1.3	1.4	2	2.5	2.3	18	324	101	2.1	1.9
12	1.3	1.2	1.4	1.4	2.2	2.5	2.5	10	293	88	2.1	1.9
13	1.3	1.2	1.4	1.4	2.2	2.5	2.5	5.9	261	84	2.1	1.9
14	1.3	1.2	1.4	1.4	2.2	2.5	2.4	5.9	299	69	2.1	1.8
15	1.3	1.2	1.4	1.4	2.2	2.5	2.2	16	434	66	2.1	1.8
16	1.3	1.2	1.4	1.4	2.2	2.5	2.2	53	610	54	2.1	1.8
17	1.3	1.2	1.4	1.4	2.2	2.5	2.2	94	739	38	2.1	1.8
18	1.3	1.2	1.4	1.4	2.2	2.5	2.3	105	791	31	2.1	1.8
19	1.3	1.2	1.4	1.7	2.3	2.6	3.1	193	788	15	2.1	1.8
20	1.3	1.2	1.4	1.9	2.5	2.8	3.7	403	747	16	2	1.8
21	1.3	1.2	1.4	1.9	2.5	2.7	3.7	599	818	12	2	1.8
22	1.3	1.2	1.4	1.9	2.5	2.8	3	731	802	1.5	2	1.8
23	1.3	1.2	1.4	1.9	2.5	2.8	8.4	802	785	1.4	2	1.8
24	1.3	1.2	1.4	1.9	2.5	2.8	12	792	694	1.5	2	1.8
25	1.3	1.2	1.4	1.9	2.5	2.8	9.2	834	640	29	2	1.8
26	1.3	1.2	1.4	1.9	2.5	2.8	7.5	786	594	48	2	1.8
27	1.3	1.2	1.4	1.9	2.5	2.8	8.5	712	433	37	2	1.7
28	1.3	1.2	1.4	1.9	2.5	2.8	7.5	631	430	23	2	1.7
29	1.3	1.2	1.4	1.9	---	2.8	3.7	576	434	2.2	2	1.7
30	1.3	1.2	1.4	1.9	---	2.8	3.7	586	388	2.2	2	1.7
31	1.3	---	1.4	1.9	---	2.8	---	515	---	2.2	2	---
TOTAL	41.3	36	41.3	49.7	61.2	81.1	116.1	8531	15990	3070	64.8	55
MEAN	1.3	1.2	1.3	1.6	2.2	2.6	3.9	275	533	99	2.1	1.8
AC-FT	82	71	82	99	121	161	230	16920	31720	6090	129	109
MAX	1.4	1.2	1.4	1.9	2.5	2.8	12	834	818	397	2.2	2
MIN	1.3	1.2	1.2	1.4	1.9	2.5	2.2	3.9	261	1.4	2	1.7

CAL YR 2004 TOTAL 14381.4 MEAN 39.3 MAX 556 MIN 1.2 AC-FT 28520
WTR YR 2005 TOTAL 28137.5 MEAN 77.1 MAX 834 MIN 1.2 AC-FT 55810

MAX DISCH: 958 CFS AT 20:15 ON May. 25, 2005 GH 5.52 FT. SHIFT 0.26 FT.
MAX GH: 5.52 FT. AT 20:15 ON May. 25, 2005

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE CO
WY2005 HYDROGRAPH



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, satellite-monitored data collection platform (Sutron SatLink high data rate DCP) and shaft encoder in a 3'x3' metal and wood shelter. Satellite monitored DCP is the primary source of stage data with chart record used for backup. Shaft encoder and chart are set to outside staff gage in the flume. Control is an 8-foot steel Parshall flume.

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

RATING TABLE--BUSTUNCO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

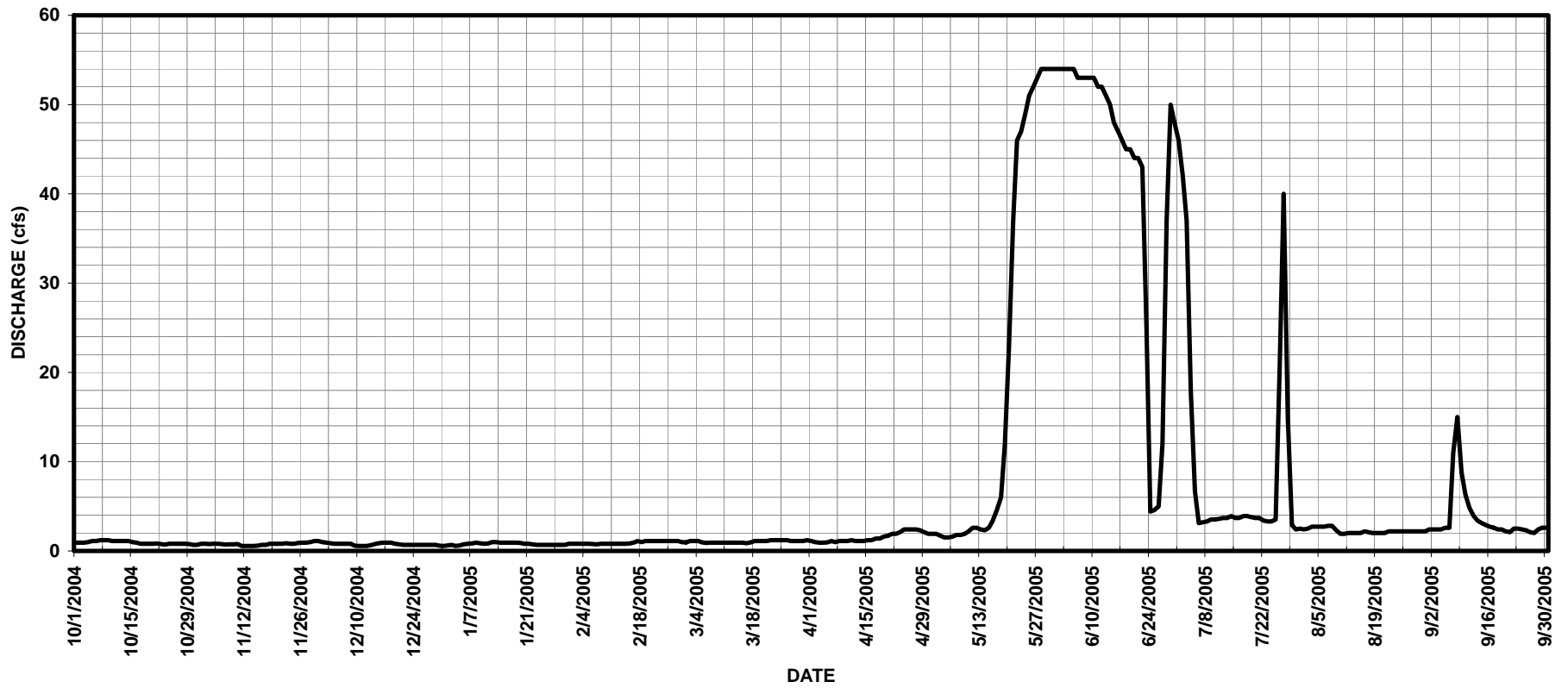
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.92	.79	.1	.63	.79	.97	1.1	1.9	54	46	2.4	2.4
2	.92	.79	.92	.67	.79	1.1	.98	1.9	54	42	2.5	2.4
3	.92	.77	.86	.56	.79	1.1	.92	1.7	54	37	2.7	2.4
4	.99	.79	.79	.63	.79	1.1	.92	1.5	54	18	2.7	2.4
5	1.1	.79	.79	.74	.79	.94	.97	1.5	54	6.7	2.7	2.6
6	1.1	.77	.79	.79	.78	.88	1.1	1.6	53	3.1	2.7	2.6
7	1.2	.71	.79	.84	.73	.91	1	1.8	53	3.2	2.8	11
8	1.2	.73	.79	.92	.79	.92	1.1	1.8	53	3.3	2.8	15
9	1.2	.74	.6	.85	.79	.92	1.1	1.9	53	3.5	2.3	8.8
10	1.1	.76	.55	.79	.79	.92	1.1	2.2	53	3.5	1.9	6.3
11	1.1	.55	.55	.84	.79	.92	1.2	2.6	52	3.6	1.9	4.8
12	1.1	.55	.55	.1	.79	.92	1.1	2.6	52	3.7	.2	3.9
13	1.1	.55	.65	.1	.79	.92	1.1	2.4	51	3.7	.2	3.4
14	1.1	.55	.76	.92	.79	.92	1.1	2.3	50	3.9	.2	3.1
15	.98	.6	.86	.92	.82	.92	1.2	2.6	48	3.7	.2	2.9
16	.91	.67	.92	.92	.93	.85	1.2	3.4	47	3.7	2.2	2.7
17	.8	.69	.92	.92	1.1	.94	1.4	4.6	46	3.9	2.1	2.6
18	.79	.79	.92	.92	.1	1.1	1.4	.6	45	3.9	.2	2.4
19	.79	.79	.8	.9	1.1	1.1	1.6	12	45	3.8	.2	2.4
20	.79	.79	.75	.79	1.1	1.1	1.7	23	44	3.7	.2	2.2
21	.82	.81	.67	.79	1.1	1.1	1.9	37	44	3.7	.2	2.1
22	.78	.85	.67	.73	1.1	1.2	1.9	46	43	3.4	2.2	2.5
23	.72	.79	.67	.67	1.1	1.2	2.1	47	25	3.3	2.2	2.5
24	.79	.81	.67	.67	1.1	1.2	2.4	49	4.4	3.3	2.2	2.4
25	.79	.88	.67	.67	1.1	1.2	2.4	51	4.6	3.5	2.2	2.3
26	.79	.91	.67	.67	1.1	1.2	2.4	52	.5	21	2.2	2.1
27	.79	.92	.67	.67	1.1	1.1	2.4	53	12	40	2.2	.2
28	.79	.1	.67	.67	.1	1.1	2.3	54	37	15	2.2	2.4
29	.77	1.1	.67	.67	---	1.1	2.1	54	50	2.9	2.2	2.6
30	.69	1.1	.6	.68	---	1.1	1.9	54	48	2.4	2.2	2.6
31	.69	---	.56	.79	---	1.2	---	54	---	2.5	2.2	---
TOTAL	28.53	23.34	22.75	24.23	25.74	32.15	45.09	630.3	1288	304.9	69.7	109.8
MEAN	.92	.78	.73	.78	.92	1.04	1.5	20.3	42.9	9.8	2.3	3.7
AC-FT	57	46	45	48	51	64	89	1250	2550	605	138	218
MAX	1.2	1.1	1	1	1.1	1.2	2.4	54	54	46	2.8	15
MIN	.69	.55	.55	.56	.73	.85	.92	1.5	4.4	2.4	1.9	.2

CAL YR	2004	TOTAL	2689.61	MEAN	7.35	MAX	51	MIN	0.35	AC-FT	5330
WTR YR	2005	TOTAL	2604.53	MEAN	7.14	MAX	54	MIN	0.55	AC-FT	5170

MAX DISCH: 55 CFS AT 19:45 ON Jun. 3, 2005 GH 1.34 FT. SHIFT 0.06 FT.
MAX GH: 1.34 FT. AT 19:45 ON Jun. 3, 2005

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

09077500 BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA CO
WY2005 HYDROGRAPH



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 Sutron high data rate 8210 DCP and shaft encoder in a 5' x 5' concrete 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 12-foot concrete Parshall flume. An electric tape gage was installed on Apr. 24, 2003.

REMARKS.--Record is complete and reliable. Record fair. Additional high flow measurements are needed to better define shifts to the rating at medium and higher stages. Shifts to the rating occur due to excessive approach velocities and turbulence/ waves in the flume due to the approach section entering the flume at an angle. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD12FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

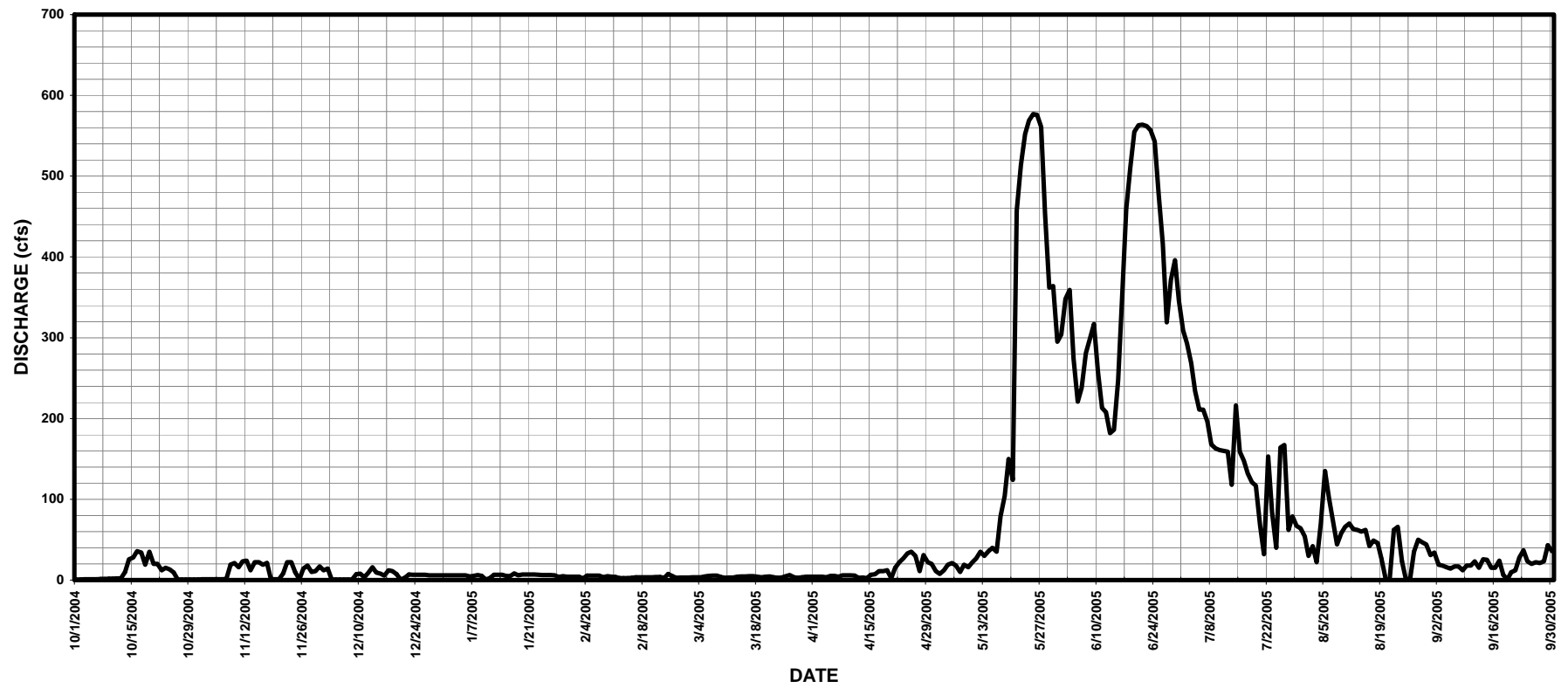
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.62	.98	12	5.7	4.2	3	4.2	11	304	309	30	34
2	.81	.99	14	5.7	4.2	3.3	4.2	7.7	348	293	42	19
3	.9	.99	.77	5.7	2.1	3.3	4.2	12	359	269	22	18
4	.99	1.1	.82	5.7	5.4	3.3	3.4	19	274	234	70	16
5	1.1	1.2	.82	5.8	5.4	4.6	5.3	21	221	211	135	14
6	1.2	1.2	.82	4.4	5.4	5.3	5.1	18	238	211	102	17
7	1.4	1.4	.82	5.1	5.4	5.4	4.3	9.9	281	196	72	17
8	1.5	1.9	.82	6.1	3.4	5.4	5.7	19	298	168	44	12
9	1.7	21	7.1	5.1	4.8	3.9	5.7	16	317	163	58	18
10	1.8	16	8	.82	4.2	2.9	5.7	22	259	161	66	18
11	2.1	23	3.3	2.3	3.9	3	5.5	27	213	160	70	23
12	2.2	24	9	6.5	2.5	3.1	2.7	35	208	159	63	15
13	10	12	16	6.6	2.5	4	3.1	30	182	118	62	26
14	26	22	9.2	6.4	2.5	4.5	2.4	36	186	216	60	25
15	28	22	7.8	5.1	2.7	4.5	6.4	40	247	159	62	15
16	36	19	5.4	4.7	3.6	4.7	7.3	35	355	148	42	15
17	34	21	12	8.1	3.6	4.8	11	79	459	132	49	24
18	19	.88	11	5.8	3.6	4	11	104	512	121	46	6.7
19	35	.99	7.1	6.8	3.6	3.4	12	150	555	117	26	.83
20	20	.99	.82	6.8	3.6	4.2	2.5	124	563	68	.72	9.6
21	20	8.3	2.6	6.8	3.8	4.6	15	457	564	32	.93	12
22	12	22	6.8	6.8	3.8	3.6	22	514	562	153	62	28
23	15	22	6.6	6.4	2.9	2.8	27	552	557	84	66	37
24	13	9.8	6.4	6.1	7.6	3	33	569	543	40	23	23
25	9.4	.88	6.4	6.1	4.9	4.9	35	577	478	164	.99	20
26	.6	14	6.4	6.1	2.8	6.3	30	576	416	167	1	22
27	.66	18	6	5.9	3	3.6	11	561	319	62	35	21
28	.66	10	5.7	3.8	3	2.8	31	453	372	79	50	23
29	.69	11	5.7	4.8	---	3.6	22	362	396	67	47	43
30	.82	17	5.7	4.2	---	4.1	20	364	346	64	44	36
31	.82	---	5.7	4.2	---	4.3	---	295	---	54	31	---
TOTAL	297.97	342.7	191.59	170.42	108.4	124.2	357.7	6095.6	10932	4579	1482.64	608.13
MEAN	9.61	11.4	6.18	5.5	3.9	4	11.9	197	364	148	47.8	20.3
AC-FT	591	680	380	338	215	246	709	12090	21680	9080	2940	1210
MAX	36	24	16	8.1	7.6	6.3	35	577	564	309	135	43
MIN	.6	.88	.77	.82	2.1	2.8	2.4	7.7	182	32	.72	.83

CAL YR	2004	TOTAL	18436.26	MEAN	50.4	MAX	504	MIN	.27	AC-FT	36570
WTR YR	2005	TOTAL	25290.35	MEAN	69.3	MAX	577	MIN	.6	AC-FT	50160

MAX DISCH: 586 CFS AT 02:00 ON May. 26, 2005 GH 4.86 FT. SHIFT 0 FT.
MAX GH: 4.86 FT. AT 02:00 ON May. 26, 2005

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

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES CO
WY2005 HYDROGRAPH



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.--Graphic water-stage recorder (F-type), satellite-monitored data collection platform (high data rate Sutron SatLink Logger DCP) and shaft encoder in a 30"x 24" metal shelter and well. Primary record is satellite-monitored data with the chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 2-foot steel Parshall flume.

REMARKS.--The record is complete and fairly reliable except for May 23, June 5, 13, 2005, when ice affected the stage-discharge relationship. Record fair, except for periods of ice-affected record, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD02FTPF USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

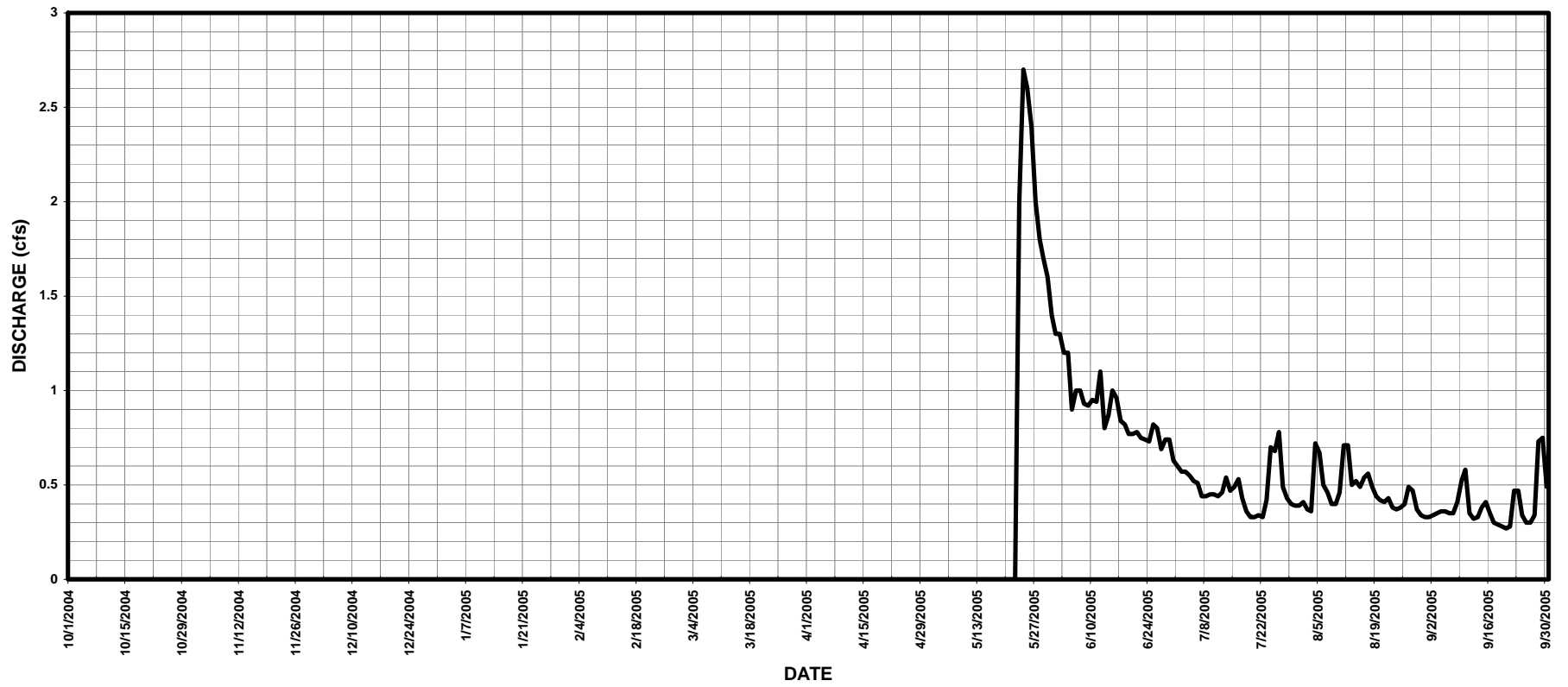
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	1.3	.6	.41	.33
2	0	0	0	0	0	0	0	0	1.3	.57	.37	.34
3	0	0	0	0	0	0	0	0	1.2	.57	.36	.35
4	0	0	0	0	0	0	0	0	1.2	.55	.72	.36
5	0	0	0	0	0	0	0	0	.9	.52	.67	.36
6	0	0	0	0	0	0	0	0	1	.51	.5	.35
7	0	0	0	0	0	0	0	0	1	.44	.46	.35
8	0	0	0	0	0	0	0	0	.93	.44	.4	.41
9	0	0	0	0	0	0	0	0	.92	.45	.4	.52
10	0	0	0	0	0	0	0	0	.95	.45	.46	.58
11	0	0	0	0	0	0	0	0	.94	.44	.71	.35
12	0	0	0	0	0	0	0	0	1.1	.46	.71	.32
13	0	0	0	0	0	0	0	0	.8	.54	.5	.33
14	0	0	0	0	0	0	0	0	.87	.47	.52	.38
15	0	0	0	0	0	0	0	0	1	.49	.49	.41
16	0	0	0	0	0	0	0	0	.96	.53	.54	.35
17	0	0	0	0	0	0	0	0	.84	.43	.56	.3
18	0	0	0	0	0	0	0	0	.82	.36	.49	.29
19	0	0	0	0	0	0	0	0	.77	.33	.44	.28
20	0	0	0	0	0	0	0	0	.77	.33	.42	.27
21	0	0	0	0	0	0	0	0	.78	.34	.41	.28
22	0	0	0	0	0	0	0	0	.75	.33	.43	.47
23	0	0	0	0	0	0	0	2	.74	.42	.38	.47
24	0	0	0	0	0	0	0	2.7	.73	.7	.37	.34
25	0	0	0	0	0	0	0	2.6	.82	.68	.38	.3
26	0	0	0	0	0	0	0	2.4	.8	.78	.4	.3
27	0	0	0	0	0	0	0	2	.69	.49	.49	.34
28	0	0	0	0	0	0	0	1.8	.74	.43	.47	.73
29	0	0	0	0	---	0	0	1.7	.74	.4	.37	.75
30	0	0	0	0	---	0	0	1.6	.63	.39	.34	.49
31	0	---	0	0	---	0	---	1.4	---	.39	.33	---
TOTAL	0	0	0	0	0	0	0	18.2	26.99	14.83	14.5	11.7
MEAN	0	0	0	0	0	0	0	.59	.9	.48	.47	.39
AC-FT	0	0	0	0	0	0	0	36	54	29	29	23
MAX	0	0	0	0	0	0	0	2.7	1.3	.78	.72	.75
MIN	0	0	0	0	0	0	0	0	.63	.33	.33	.27

CAL YR 2004 TOTAL 38.46 MEAN .11 MAX 1.6 MIN 0 AC-FT 76
WTR YR 2005 TOTAL 86.22 MEAN .24 MAX 2.7 MIN 0 AC-FT 171

MAX DISCH: 4.3 CFS AT 19:00 ON May. 24, 2005 GH 0.66 FT. SHIFT 0 FT. DATUM CORR. 0.01 FT.
MAX GH: 0.73 FT. AT 20:00 ON May. 23, 2005

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

09115000 LARKSPUR DITCH NEAR MARSHALL PASS CO
WY2005 HYDROGRAPH



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 mi². 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, 2004 to Apr. 4, 2005 when the station was closed for the winter; Oct. 31, 2004, and Mar. 31, 2005 when the station was isolated for periods during the day; and Apr. 11-13, 2005 when the well was frozen. Record good except for periods of no gage-height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOMILCO12 USED FROM 01-OCT-2004 TO 30-SEP-2005

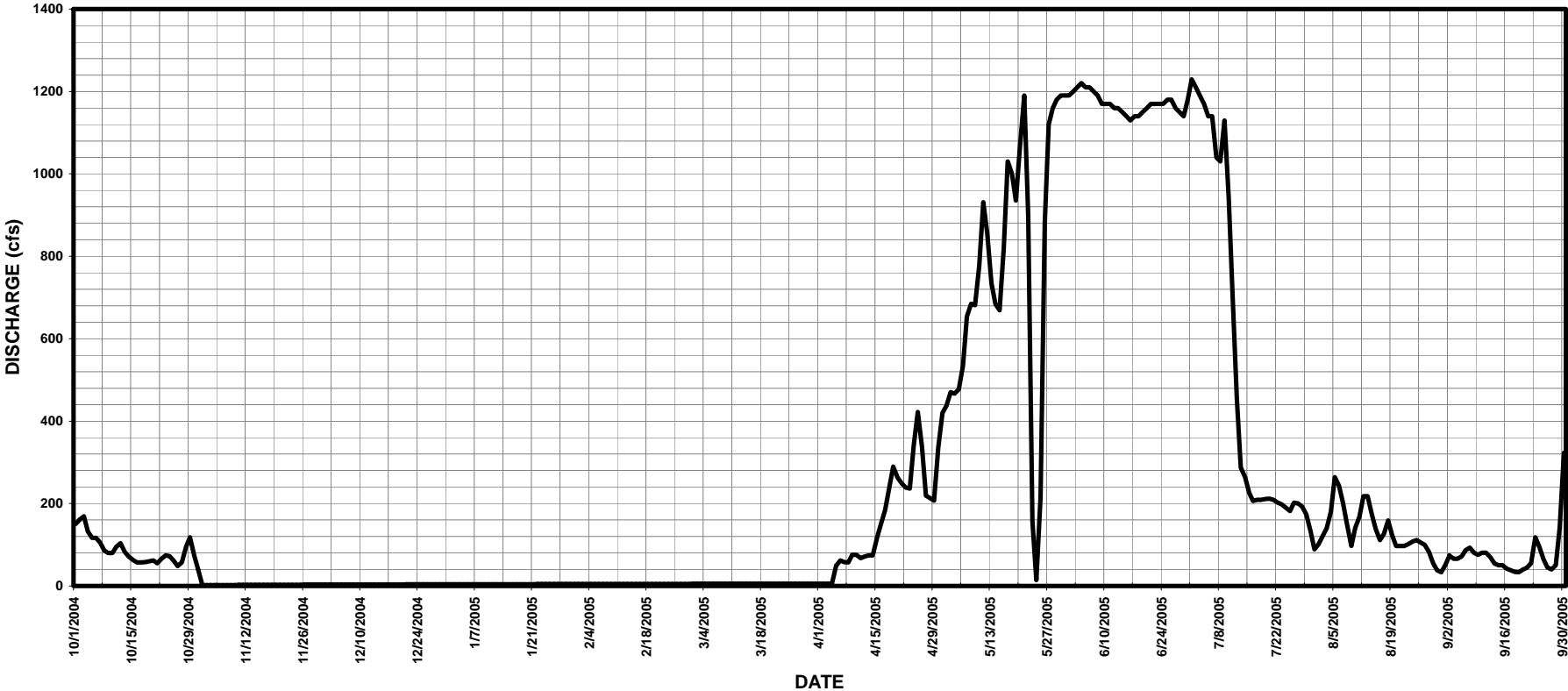
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	1.9	3.2	4	4.6	5.1	5.5	420	1190	1230	102	50
2	161	1.9	3.3	4	4.6	5.1	5.6	437	1200	1210	120	73
3	169	2	3.3	4	4.7	5.1	5.6	470	1210	1190	140	66
4	132	2	3.3	4.1	4.7	5.1	5.6	467	1220	1170	180	66
5	117	2.1	3.4	4.1	4.7	5.1	49	477	1210	1140	264	71
6	117	2.1	3.4	4.1	4.7	5.1	62	534	1210	1140	243	87
7	105	2.2	3.4	4.1	4.7	5.1	58	654	1200	1040	202	93
8	86	2.2	3.4	4.2	4.7	5.2	57	685	1190	1030	148	81
9	80	2.3	3.5	4.2	4.8	5.2	76	681	1170	1130	97	75
10	80	2.4	3.5	4.2	4.8	5.2	75	777	1170	942	141	81
11	95	2.4	3.5	4.2	4.8	5.2	67	931	1170	702	168	81
12	104	2.5	3.6	4.3	4.8	5.2	71	856	1160	454	218	70
13	83	2.5	3.6	4.3	4.8	5.2	74	735	1160	287	218	54
14	71	2.6	3.6	4.3	4.8	5.3	74	685	1150	265	174	50
15	63	2.6	3.6	4.3	4.9	5.3	116	669	1140	226	138	50
16	57	2.7	3.7	4.4	4.9	5.3	152	821	1130	206	111	42
17	57	2.7	3.7	4.4	4.9	5.3	184	1030	1140	209	126	38
18	58	2.7	3.7	4.4	4.9	5.3	239	1000	1140	209	159	34
19	60	2.8	3.7	4.4	4.9	5.3	290	935	1150	211	123	33
20	62	2.8	3.7	4.4	4.9	5.4	263	1070	1160	212	97	40
21	55	2.9	3.8	4.4	4.9	5.4	249	1190	1170	209	97	44
22	66	2.9	3.8	4.5	5	5.4	239	898	1170	202	97	55
23	74	3	3.8	4.5	5	5.4	236	157	1170	198	102	118
24	72	3	3.8	4.5	5	5.4	341	14	1170	190	108	96
25	61	3	3.8	4.5	5	5.4	422	216	1180	182	111	65
26	48	3.1	3.9	4.5	5	5.5	337	880	1180	202	105	45
27	57	3.1	3.9	4.5	5	5.5	219	1120	1160	200	100	40
28	95	3.1	3.9	4.6	5	5.5	213	1160	1150	193	83	50
29	118	3.2	3.9	4.6	---	5.5	207	1180	1140	174	55	142
30	74	3.2	4	4.6	---	5.5	336	1190	1180	133	38	323
31	40	---	4	4.6	---	5.5	---	1190	---	89	33	---
TOTAL	2667	77.9	112.7	134.2	135.5	164.1	4728.3	23529	35140	16175	4098	2213
MEAN	86	2.6	3.6	4.3	4.8	5.3	158	759	1171	522	132	74
AC-FT	5290	155	224	266	269	325	9380	46670	69700	32080	8130	4390
MAX	169	3.2	4	4.6	5	5.5	422	1190	1220	1230	264	323
MIN	40	1.9	3.2	4	4.6	5.1	5.5	14	1130	89	33	33
CAL YR 2004	TOTAL	59801.4	MEAN	163	MAX	1190	MIN	1.9	AC-FT	118600		
WTR YR 2005	TOTAL	89174.7	MEAN	244	MAX	1230	MIN	1.9	AC-FT	176900		

MAX DISCH: 1720 CFS AT 08:15 ON May. 21, 2005 GH 4.03 FT. SHIFT 0.08 FT.
MAX GH: 4.03 FT. AT 08:15 ON May. 21, 2005

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

08213500 RIO GRANDE AT THIRTYMILE BRIDGE NEAR CREEDE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO

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

DRAINAGE AREA.--51.7 mi².

GAGE.--Graphic water-stage recorder and a Sutron satellite monitoring system in a 4 ft. by 4 ft. timber shelter and concrete well at a concrete ramp flume. Elevation of gage is 10,200 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Nov. 1, 2004 through May 12, 2005 when the station was closed for the winter, and Aug. 28, 29, Sep. 15, 16, 2005 when the inlets plugged with sand and silt. Record is 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.--NCLCONCO22 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	.19	.16	.16	.16	.16	.16	.16	174	187	13	15
2	16	.16	.16	.16	.16	.16	.16	.16	169	181	12	15
3	17	.16	.16	.16	.16	.16	.16	.16	129	182	12	15
4	17	.16	.16	.16	.16	.16	.16	.16	130	184	14	16
5	17	.16	.16	.16	.16	.16	.16	.16	121	180	19	16
6	17	.16	.16	.16	.16	.16	.16	.16	100	178	16	15
7	17	.16	.16	.16	.16	.16	.16	.16	101	174	15	15
8	17	.16	.16	.16	.16	.16	.16	.16	102	173	15	15
9	17	.16	.16	.16	.16	.16	.16	.16	99	93	25	14
10	15	.16	.16	.16	.16	.16	.16	.16	67	86	35	23
11	14	.16	.16	.16	.16	.16	.16	.16	111	86	25	26
12	16	.16	.16	.16	.16	.16	.16	.16	111	87	26	27
13	17	.16	.16	.16	.16	.16	.16	.16	107	87	27	19
14	17	.16	.16	.16	.16	.16	.16	.16	157	83	27	18
15	17	.16	.16	.16	.16	.16	.16	.16	189	71	26	19
16	31	.16	.16	.16	.16	.16	.16	.16	189	74	26	20
17	36	.16	.16	.16	.16	.16	.16	.16	265	88	25	18
18	32	.16	.16	.16	.16	.16	.16	.16	400	89	59	16
19	29	.16	.16	.16	.16	.16	.16	.16	306	88	79	15
20	20	.16	.16	.16	.16	.16	.16	.16	272	85	79	15
21	12	.16	.16	.16	.16	.16	.16	.16	371	69	75	14
22	11	.16	.16	.16	.16	.16	.16	.16	432	62	65	13
23	11	.16	.16	.16	.16	.16	.16	.16	390	70	31	11
24	11	.16	.16	.16	.16	.16	.16	.16	259	78	21	11
25	11	.16	.16	.16	.16	.16	.16	.16	290	168	21	11
26	11	.16	.16	.16	.16	.16	.16	.16	317	225	20	12
27	11	.16	.16	.16	.16	.16	.16	.16	302	234	19	10
28	16	.16	.16	.16	.16	.16	.16	.16	205	235	16	12
29	20	.16	.16	.16	.16	.16	.16	.16	173	229	16	16
30	20	.16	.16	.16	.16	.16	.16	.16	175	209	15	17
31	11	---	.16	.16	---	.16	---	.16	174	---	14	16
TOTAL	538	4.83	4.96	4.96	4.48	4.96	4.8	5263.44	3628	2279	500	456
MEAN	17.4	.16	.16	.16	.16	.16	.16	170	121	73.5	16.1	15.2
AC-FT	1070	9.6	9.8	9.8	8.9	9.8	9.5	10440	7200	4520	992	904
MAX	36	.19	.16	.16	.16	.16	.16	432	235	187	27	24
MIN	11	.16	.16	.16	.16	.16	.16	.16	62	14	10	13

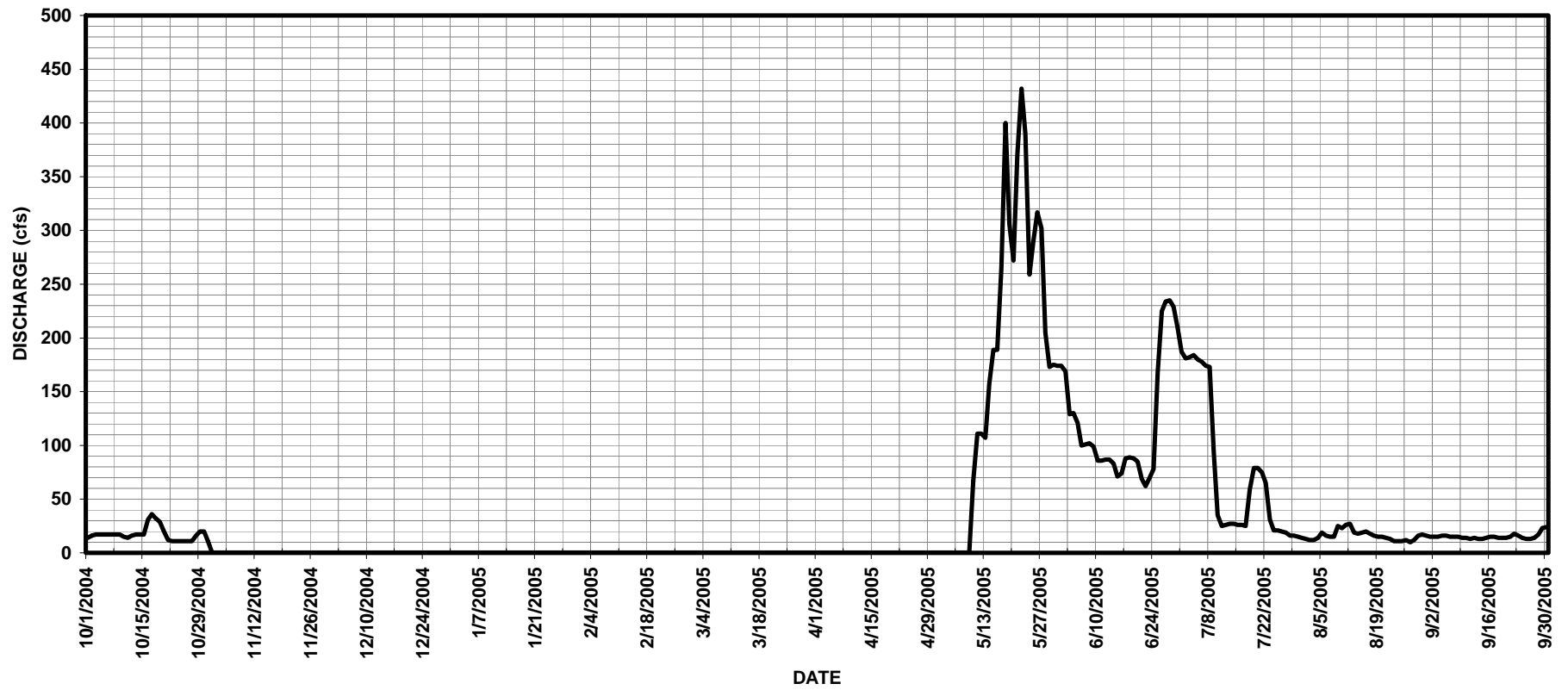
CAL YR	2004	TOTAL	9569.53	MEAN	26.1	MAX	339	MIN	0.16	AC-FT	18980
WTR YR	2005	TOTAL	12693.43	MEAN	34.8	MAX	432	MIN	0.16	AC-FT	25180

MAX DISCH: 493 CFS AT 20:00 ON May. 22, 2005 GH 3.32 FT. SHIFT -0.01 FT.

MAX GH: 3.32 FT. AT 20:00 ON May. 22, 2005

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

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring system in 4 ft. by 4 ft. timber shelter and 4 ft. diameter concrete well. Altitude of gage 8,430 ft. from topographic map. A cableway is located approximately 350 ft. upstream of the gage.

REMARKS.--Record is complete and reliable except for Nov. 30, 2004 through Mar. 25, 2005 when the station was closed for the winter; and Nov. 29, 2004, Mar. 31, and Apr. 1, 2005 when float operation was affected by ice in well. Stage-discharge relation was affected by ice Nov. 25-28, 2004. 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.--RIOWAGCO04 USED FROM 01-OCT-2004 TO 30-SEP-2005

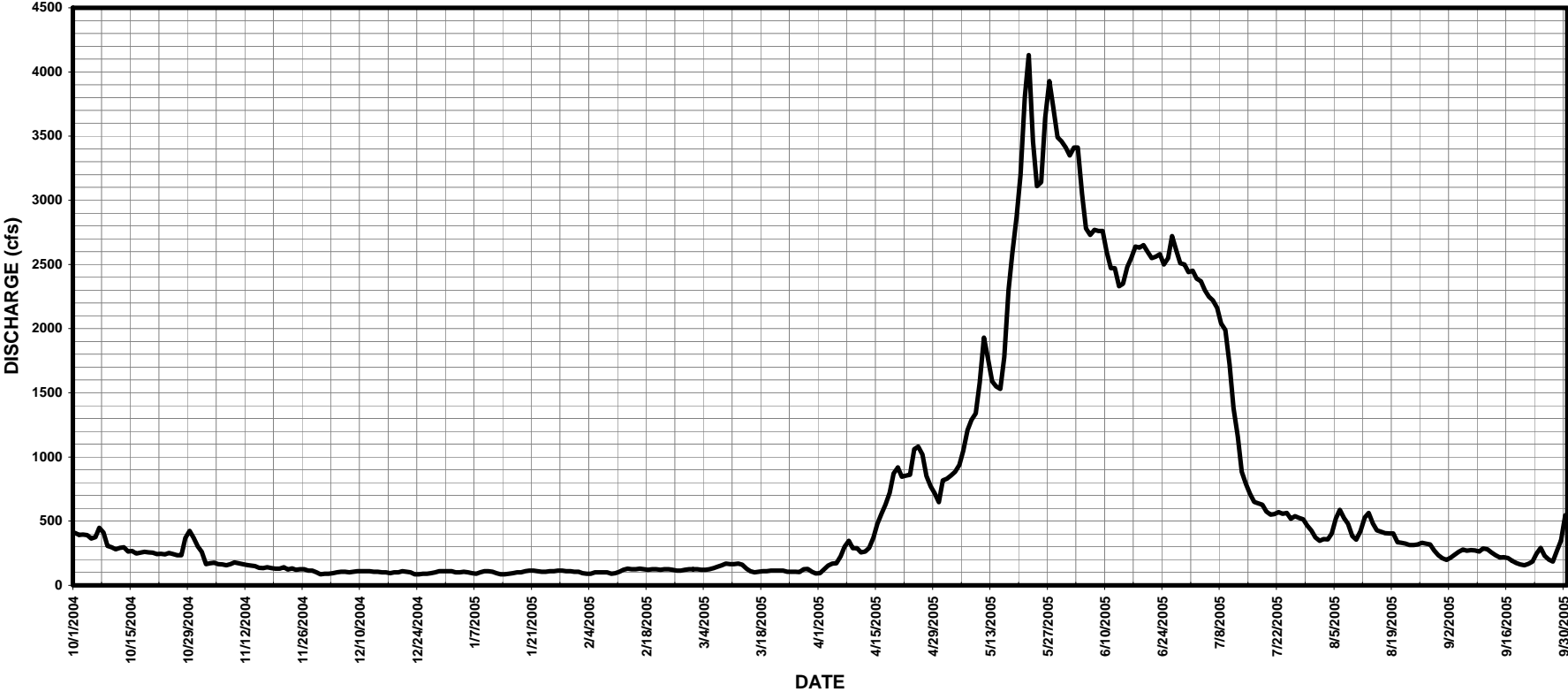
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	409	262	90	110	105	125	95	818	3350	2450	347	198
2	394	165	90	100	95	125	125	830	3410	2390	361	215
3	396	171	95	100	90	120	154	855	3410	2370	358	239
4	390	176	100	105	90	120	169	886	3050	2300	405	261
5	364	164	105	100	100	125	172	937	2780	2250	520	279
6	376	162	105	95	100	135	226	1050	2730	2220	589	271
7	448	156	100	90	100	145	301	1210	2770	2160	522	274
8	411	164	105	100	100	155	347	1290	2760	2040	479	272
9	307	178	110	110	90	170	289	1340	2760	1990	384	263
10	297	172	110	110	95	165	290	1580	2600	1720	356	287
11	282	164	110	105	105	165	256	1930	2470	1380	422	282
12	293	159	110	95	120	170	263	1770	2470	1160	527	257
13	297	153	105	85	130	160	293	1590	2330	886	564	234
14	264	150	105	85	125	130	372	1550	2350	788	480	217
15	267	137	100	90	125	110	478	1530	2480	714	429	219
16	248	133	100	95	130	100	558	1780	2550	651	417	212
17	255	140	95	100	125	105	629	2300	2640	638	407	190
18	261	135	100	100	120	110	720	2590	2630	628	404	173
19	257	130	100	110	125	110	871	2870	2650	576	404	162
20	255	129	110	115	125	115	918	3200	2600	552	336	155
21	243	140	105	115	120	115	846	3800	2550	556	331	167
22	245	123	100	110	125	115	854	4130	2560	570	324	184
23	241	131	85	105	125	115	862	3460	2580	558	315	245
24	252	121	85	105	120	105	1060	3110	2500	564	315	291
25	243	125	90	110	115	105	1080	3140	2550	519	319	230
26	235	125	90	110	115	105	1020	3640	2720	538	332	200
27	234	115	95	115	120	104	852	3930	2610	524	324	184
28	369	115	100	115	125	126	770	3720	2510	514	318	273
29	424	100	110	110	---	128	719	3490	2500	466	272	349
30	371	85	110	110	---	105	647	3460	2440	427	234	546
31	302	---	110	105	---	92	---	3410	---	373	210	---
TOTAL	9630	4380	3125	3210	3160	3875	16236	71196	80310	35472	12005	7329
MEAN	311	146	101	104	113	125	541	2297	2677	1144	387	244
AC-FT	19100	8690	6200	6370	6270	7690	32200	141200	159300	70360	23810	14540
MAX	448	262	110	115	130	170	1080	4130	3410	2450	589	546
MIN	234	85	85	85	90	92	95	818	2330	373	210	155
CAL YR 2004	TOTAL	170280	MEAN	465	MAX	2720	MIN	56	AC-FT	337800		
WTR YR 2005	TOTAL	249928	MEAN	685	MAX	4130	MIN	85	AC-FT	495700		

MAX DISCH: 4410 CFS AT 05:15 ON May. 22, 2005 GH 4.88 FT. SHIFT 0.03 FT.
MAX GH: 4.88 FT. AT 05:15 ON May. 22, 2005

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

08217500 RIO GRANDE RIVER AT WAGONWHEEL GAP CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08218500 GOOSE CREEK AT WAGONWHEEL GAP, CO

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

DRAINAGE AREA.--90 mi².

GAGE.--Graphic water-stage recorder in 36 inch corrugated pipe shelter and smooth steel pipe well. Supplemental outside cantilever chain gage. A Sutron shaft encoder and data logger with satellite transmitter, which now is the primary record, was installed September 26, 2003. 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: November 2-7, 21-29, 2004 when floats were affected by ice in well, and November 30, 2004 through March 25, 2005 when station was closed for the winter. Stage-discharge relation was affected by ice March 27 and April 1, 2005. Record is good except for periods of no gage height and ice effect, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--GOOWAGCO09 USED FROM 01-OCT-2004 TO 30-SEP-2005

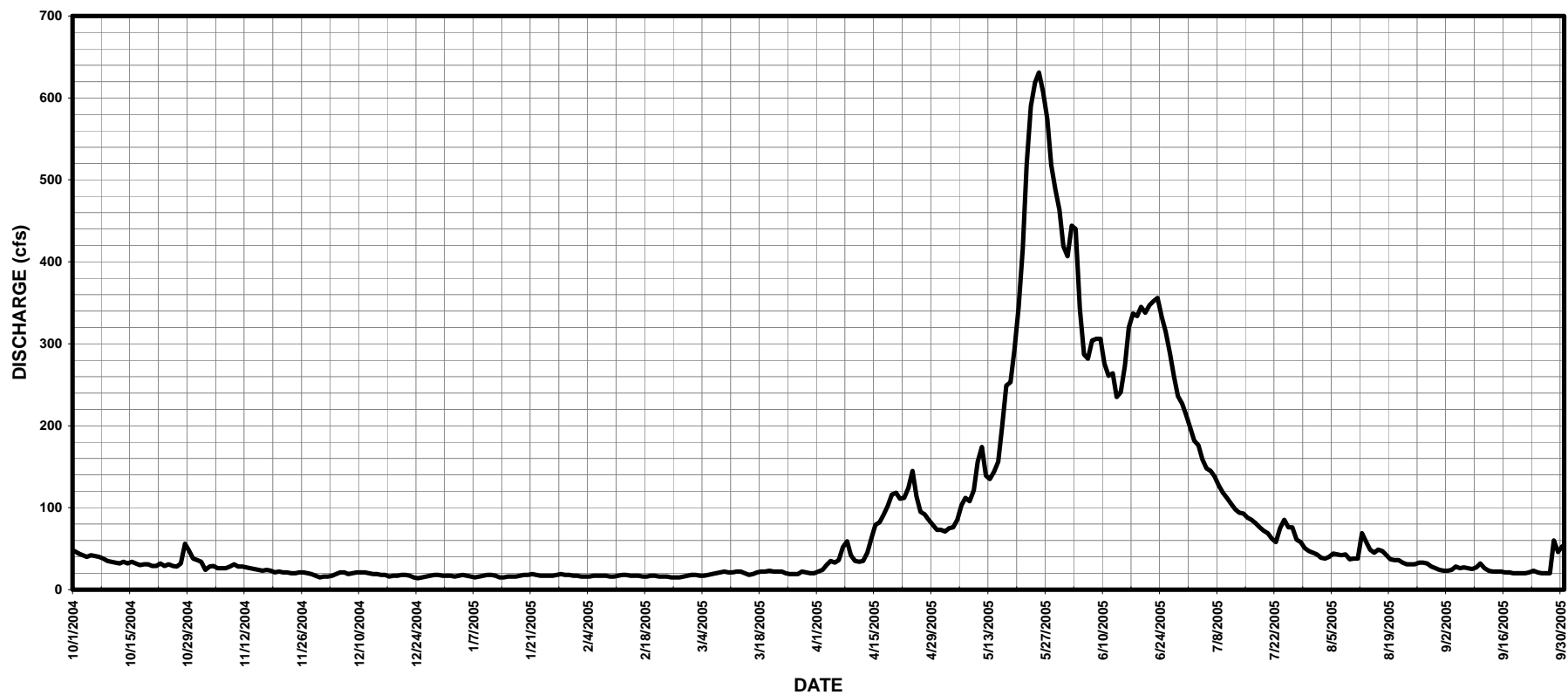
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	34	16	17	17	18	22	73	407	198	43	23
2	44	24	16	16	16	18	24	71	444	182	39	23
3	42	28	17	17	16	17	30	75	440	176	38	24
4	40	29	19	18	16	17	35	76	343	159	40	28
5	42	26	21	17	17	18	33	85	287	148	44	26
6	41	26	21	16	17	19	36	103	282	145	43	27
7	40	26	19	15	17	20	52	112	304	138	42	26
8	38	28	20	16	17	21	59	108	306	127	43	25
9	35	31	21	17	16	22	42	121	306	118	37	27
10	34	28	21	18	16	21	35	156	276	112	38	32
11	33	28	21	18	17	21	34	174	261	105	38	26
12	32	27	20	17	18	22	35	139	264	98	69	23
13	34	26	19	15	18	22	45	135	235	94	59	22
14	32	25	19	15	17	20	63	144	241	93	49	22
15	34	24	18	16	17	18	79	156	273	88	45	22
16	32	23	18	16	17	19	82	199	320	85	49	21
17	30	24	16	16	16	21	92	249	337	81	47	21
18	31	23	17	17	16	22	102	253	334	76	42	20
19	31	21	17	18	17	22	116	292	345	72	37	20
20	29	22	18	18	17	23	118	344	338	69	36	20
21	29	21	18	19	16	22	111	416	347	62	36	20
22	32	21	17	18	16	22	112	519	352	58	33	21
23	29	20	15	17	16	22	124	590	356	75	31	23
24	31	20	14	17	15	20	145	619	333	85	31	21
25	29	21	15	17	15	19	114	631	315	76	31	20
26	28	21	16	17	15	19	95	607	289	76	33	20
27	32	20	17	18	16	19	92	574	260	61	33	20
28	56	19	18	19	17	22	85	518	236	58	32	60
29	48	17	18	18	---	21	79	489	227	51	28	46
30	38	15	17	18	---	20	73	463	213	47	26	53
31	36	---	17	17	---	20	---	419	---	45	24	---
TOTAL	1109	718	556	528	461	627	2164	8910	9271	3058	1216	782
MEAN	36	24	18	17	17	20	72	287	309	99	39	26
AC-FT	2200	1420	1100	1050	914	1240	4290	17670	18390	6070	2410	1550
MAX	56	34	21	19	18	23	145	631	444	198	69	60
MIN	28	15	14	15	15	17	22	71	213	45	24	20
CAL YR 2004	TOTAL	18843.8	MEAN	51.5	MAX	269	MIN	9.0	AC-FT	37380		
WTR YR 2005	TOTAL	29400	MEAN	80.5	MAX	631	MIN	14	AC-FT	58310		

MAX DISCH: 734 CFS AT 00:59 ON May. 25, 2005 GH 4.39 FT. SHIFT -0.10 FT.
MAX GH: 4.39 FT. AT 00:59 ON May. 25, 2005

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

08218500 GOOSE CREEK AT WAGONWHEEL GAP CO
WY2005 HYDROGRAPH



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 mi². 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.--Graphic water-stage recorder and Sutron satellite monitoring system with an air temperature sensor and a tipping bucket rain gage in a timber shelter and corrugated 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 November 30, 2004 through March 25, 2005 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 25 through Nov. 29, 2004. 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.--RIOSFKCO10 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

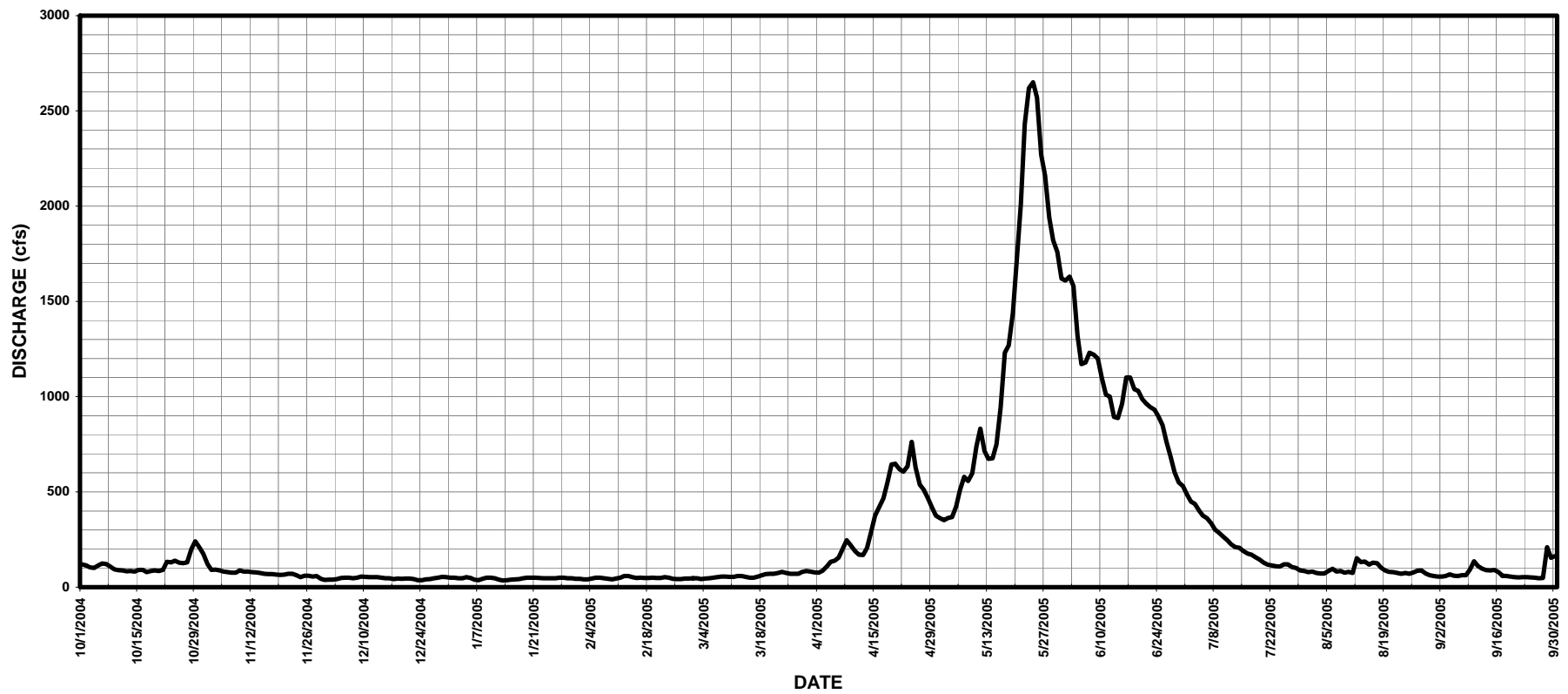
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	121	40	50	44	47	76	361	1610	489	82	55
2	113	90	40	47	41	47	86	352	1630	449	75	55
3	103	92	43	47	41	43	108	363	1580	437	71	58
4	100	88	48	52	45	45	133	367	1320	402	72	67
5	113	82	50	48	50	46	139	423	1170	376	84	60
6	124	79	50	40	50	49	155	510	1180	361	96	58
7	121	76	46	37	47	52	202	579	1230	336	82	63
8	108	76	50	44	44	56	247	557	1220	302	85	63
9	93	87	56	49	41	56	219	597	1200	284	76	94
10	89	81	54	49	45	54	189	739	1100	266	80	136
11	87	81	52	47	50	54	171	832	1010	246	75	110
12	83	78	52	40	58	58	169	714	1000	225	152	96
13	85	77	52	35	58	58	205	673	894	210	131	89
14	82	74	50	37	52	54	292	676	888	207	134	88
15	91	70	46	40	48	50	376	749	962	190	118	90
16	91	69	46	41	50	50	422	944	1100	177	129	78
17	78	68	42	43	48	56	466	1230	1100	170	125	60
18	85	65	45	47	48	62	547	1270	1040	156	102	58
19	88	64	44	49	50	68	644	1440	1030	145	88	56
20	85	65	45	49	48	70	647	1710	987	129	80	52
21	90	70	45	50	48	70	620	2010	964	118	78	51
22	132	70	42	48	52	74	606	2430	945	114	74	53
23	130	62	37	47	49	80	634	2620	931	109	70	53
24	139	53	37	47	44	74	762	2650	897	108	74	51
25	128	60	41	47	43	70	628	2570	850	119	70	49
26	125	60	42	47	43	70	538	2270	763	119	77	47
27	130	56	46	50	45	70	512	2160	683	105	86	48
28	200	58	50	50	45	80	468	1940	603	100	87	210
29	241	44	54	47	---	84	421	1820	550	87	72	155
30	208	38	52	47	---	82	375	1760	531	84	63	163
31	175	---	50	44	---	77	---	1620	---	79	58	---
TOTAL	3637	2154	1447	1415	1327	1906	11057	38936	30968	6699	2746	2366
MEAN	117	72	47	46	47	62	369	1256	1032	216	89	79
AC-FT	7210	4270	2870	2810	2630	3780	21930	77230	61430	13290	5450	4690
MAX	241	121	56	52	58	84	762	2650	1630	489	152	210
MIN	78	38	37	35	41	43	76	352	531	79	58	47

CAL YR	2004	TOTAL	69022	MEAN	189	MAX	1190	MIN	20	AC-FT	136900
WTR YR	2005	TOTAL	104658	MEAN	287	MAX	2650	MIN	35	AC-FT	207600

MAX DISCH: 3000 CFS AT 00:45 ON May. 24, 2005 GH 6.83 FT. SHIFT -0.22 FT.
MAX GH: 6.83 FT. AT 00:45 ON May. 24, 2005

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

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK CO
WY2005 HYDROGRAPH



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 mi². 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.--Graphic water-stage recorder and a Sutron satellite monitoring system in a 6 ft. by 6 ft. exposed aggregate concrete shelter and 4 ft. diameter concrete well. The satellite monitoring system collects gage height, air temperature, and water temperature data, and also has a modem system to provide gage heights via a dial-in option. The new gage and well were installed November 8, 2002. A tipping-bucket rain gage was installed at this site on September 30, 2004. Datum of gage is 7,980.25 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable. Stage-discharge relation affected by ice Nov. 29, 2004 through Feb. 20, 2005, and Mar. 11-15, 2005. Record is good except for periods of ice affected record, which should be considered fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIODELCO03 USED FROM 01-OCT-2004 TO 30-SEP-2005

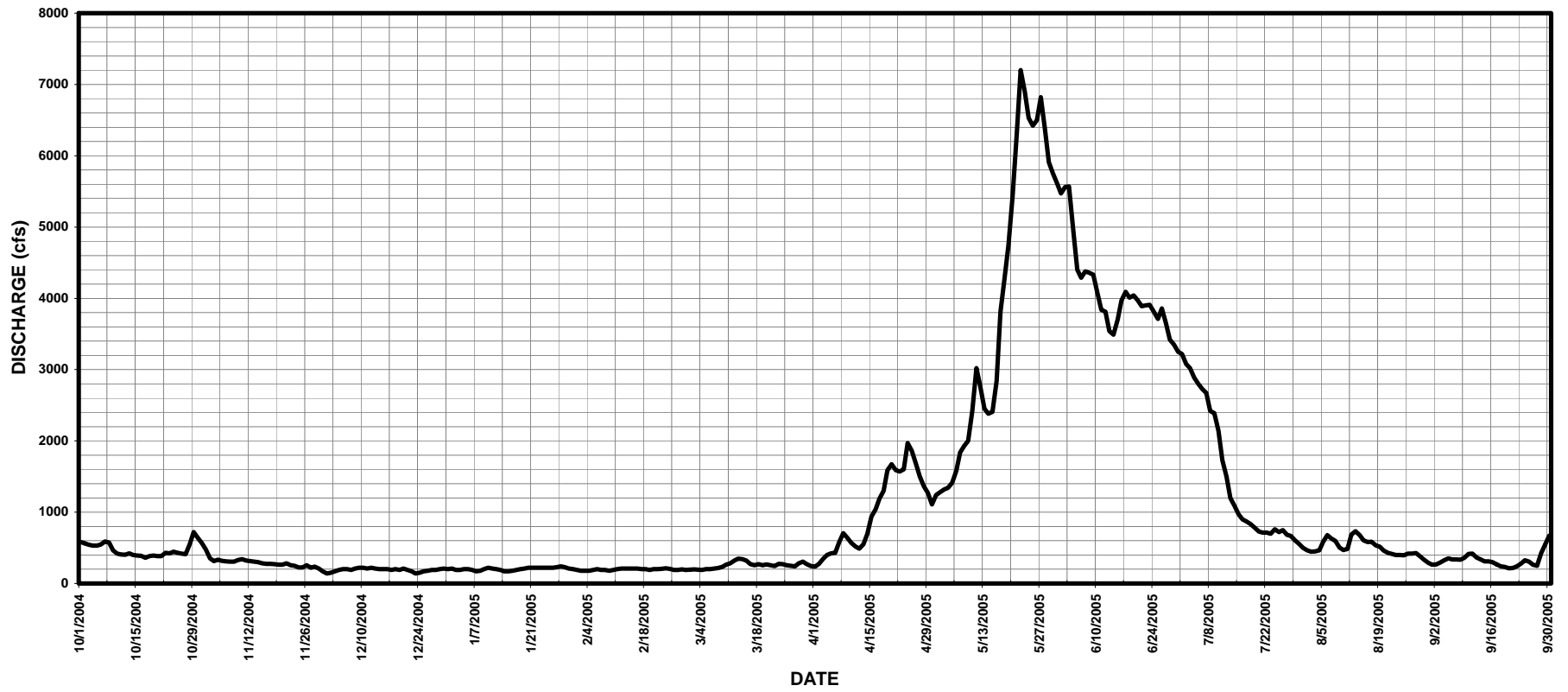
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	580	477	140	210	190	195	235	1240	5470	3220	464	264
2	563	354	150	190	180	196	275	1280	5560	3080	447	268
3	543	315	170	190	180	194	344	1320	5570	3020	448	293
4	533	335	190	200	180	189	401	1340	4970	2890	467	325
5	530	317	200	200	190	201	424	1410	4400	2800	584	352
6	546	310	200	190	200	201	430	1580	4290	2730	677	339
7	590	305	190	170	190	208	576	1840	4380	2670	633	339
8	572	307	210	180	190	218	705	1930	4360	2420	597	334
9	466	331	220	200	180	233	643	2000	4330	2390	503	359
10	420	342	220	220	190	262	569	2420	4070	2140	469	414
11	409	320	210	210	200	285	520	3020	3840	1730	486	417
12	403	315	220	200	210	320	489	2760	3810	1500	686	365
13	424	305	210	190	210	350	551	2450	3540	1200	734	337
14	400	299	200	170	210	340	696	2380	3490	1090	680	310
15	390	282	200	170	210	320	940	2410	3700	969	604	309
16	389	274	200	180	210	272	1040	2840	3970	899	582	299
17	361	274	190	190	200	257	1190	3810	4090	869	585	268
18	382	271	200	200	200	272	1300	4290	4010	835	535	239
19	391	263	190	210	190	255	1590	4750	4040	782	514	232
20	384	263	210	220	200	266	1670	5440	3970	728	463	214
21	382	285	190	220	203	255	1590	6310	3890	712	429	217
22	429	257	170	220	205	245	1570	7200	3900	715	413	239
23	423	250	140	220	213	277	1600	6900	3910	697	400	280
24	447	223	150	220	207	270	1970	6530	3810	759	398	325
25	431	225	170	220	191	255	1860	6420	3710	720	396	305
26	418	254	180	220	190	248	1680	6500	3860	748	419	263
27	410	222	190	230	196	239	1500	6820	3650	682	417	247
28	553	236	190	240	190	284	1360	6370	3420	666	426	425
29	723	210	200	230	---	305	1270	5910	3350	606	379	543
30	641	170	210	210	---	270	1110	5750	3250	553	333	671
31	570	---	200	200	---	243	---	5610	---	499	292	---
TOTAL	14703	8591	5910	6320	5505	7925	30098	120830	122610	45319	15460	9792
MEAN	474	286	191	204	197	256	1003	3898	4087	1462	499	326
AC-FT	29160	17040	11720	12540	10920	15720	59700	239700	243200	89890	30660	19420
MAX	723	477	220	240	213	350	1970	7200	5570	3220	734	671
MIN	361	170	140	170	180	189	235	1240	3250	499	292	214
CAL YR 2004	TOTAL	266074	MEAN	727	MAX	4270	MIN	100	AC-FT	527800		
WTR YR 2005	TOTAL	393063	MEAN	1077	MAX	7200	MIN	140	AC-FT	779600		

MAX DISCH: 7570 CFS AT 06:00 ON May. 22, 2005 GH 5.40 FT. SHIFT 0.01 FT.
MAX GH: 5.40 FT. AT 06:00 ON May. 22, 2005

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

08220000 RIO GRANDE RIVER NEAR DEL NORTE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO

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

DRAINAGE AREA.--53 mi².

GAGE.--Graphic water-stage recorder in a 3 ft. by 3 ft. timber shelter and concrete well at a 12 ft. rectangular concrete box control. Sutron satellite monitoring system. Altitude of gage is 8,480 ft. from topographic map.

REMARKS.--Record is complete and reliable except for November 29, 2004 when the stilling well was frozen; and November 30, 2004 through March 25, 2005 when the station was closed for the winter. Stage-discharge relation was affected by ice October 30,31, November 2-6, 15-28, 2004, and March 27, 30, 31, April 1 2005. Gage height not representative of discharge on April 20-23 due to trash in the control section and May 21-26, 2005 when there was water going around gage. Record is good except for period when the gage height not representative of discharge, which is fair; and periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--PINDELCO14 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9	7.4	3.8	4.2	4.4	5.2	8.3	47	203	52	13	9.7
2	8.9	7	3.8	4	4	5.2	9.2	48	202	49	12	9.6
3	8.7	7.2	4	4.1	4	4.8	12	51	195	45	13	12
4	8.6	7.4	4.2	4.4	4	5	14	53	172	42	16	15
5	8.8	7.7	4.2	4.2	4.4	5.2	15	53	154	38	22	12
6	9.4	7.9	4.2	4	4.4	5.2	16	64	149	35	21	11
7	9.4	8.3	4	3.8	4.3	5.4	22	74	143	33	15	11
8	8.2	7.6	4.1	4.1	4.2	5.6	28	73	134	32	14	12
9	7.8	7.8	4.3	4.4	4	5.8	21	83	128	30	16	18
10	7.5	7.2	4.3	4.3	4.3	5.8	17	101	121	27	15	19
11	7.5	7.1	4.3	4.2	4.5	5.8	16	113	114	26	17	12
12	7.3	6.9	4.3	3.7	4.7	6	16	97	110	25	54	11
13	8	7.1	4.3	3.5	4.7	6	19	94	99	24	24	10
14	7.7	6.6	4.1	3.7	4.5	5.2	30	93	95	24	24	10
15	9.5	6.8	4.1	3.8	4.3	4.8	42	104	96	23	25	10
16	8.7	7	4.1	4	4.6	5	39	131	97	23	24	9.8
17	8.4	6.8	4	4.3	4.4	5.4	45	169	94	23	20	8.8
18	8.4	6.6	4.2	4.4	4.4	5.6	48	176	91	21	16	8.5
19	8.2	6	4.1	4.6	4.6	5.6	55	199	90	20	15	8.2
20	8.1	6	4.4	4.6	4.5	5.8	58	234	87	18	15	8
21	8.1	5.8	4.5	4.6	4.5	6	55	265	87	17	15	8.1
22	10	5.8	4.2	4.4	5.4	6.6	58	300	87	16	14	8.7
23	8.3	5.8	3.9	4.3	5.2	7	65	314	81	19	13	9.3
24	8.8	5.6	3.9	4.3	5	6.6	82	321	75	20	13	8.5
25	8.1	5.8	4.1	4.5	4.6	6.6	62	317	69	22	13	8
26	8.3	5.2	4.1	4.6	4.6	6.4	52	294	61	21	12	7.6
27	8.1	4.8	4.3	5.6	5	6.7	54	272	57	17	14	7.5
28	8.8	4.4	4.4	5.4	5	7.6	52	248	57	21	15	24
29	8.7	4	4.4	4.9	---	8	48	233	58	16	12	17
30	7	3.6	4.2	4.7	---	7.5	45	228	56	14	11	14
31	7.9	---	4.2	4.6	---	7.5	---	213	---	14	10	---
TOTAL	260.2	193.2	129	134.2	126.5	184.9	1103.5	5062	3262	807	533	338.3
MEAN	8.4	6.4	4.2	4.3	4.5	6	36.8	163	109	26	17	11.3
AC-FT	516	383	256	266	251	367	2190	10040	6470	1600	1060	671
MAX	10	8.3	4.5	5.6	5.4	8	82	321	203	52	54	24
MIN	7	3.6	3.8	3.5	4	4.8	8.3	47	56	14	10	7.5

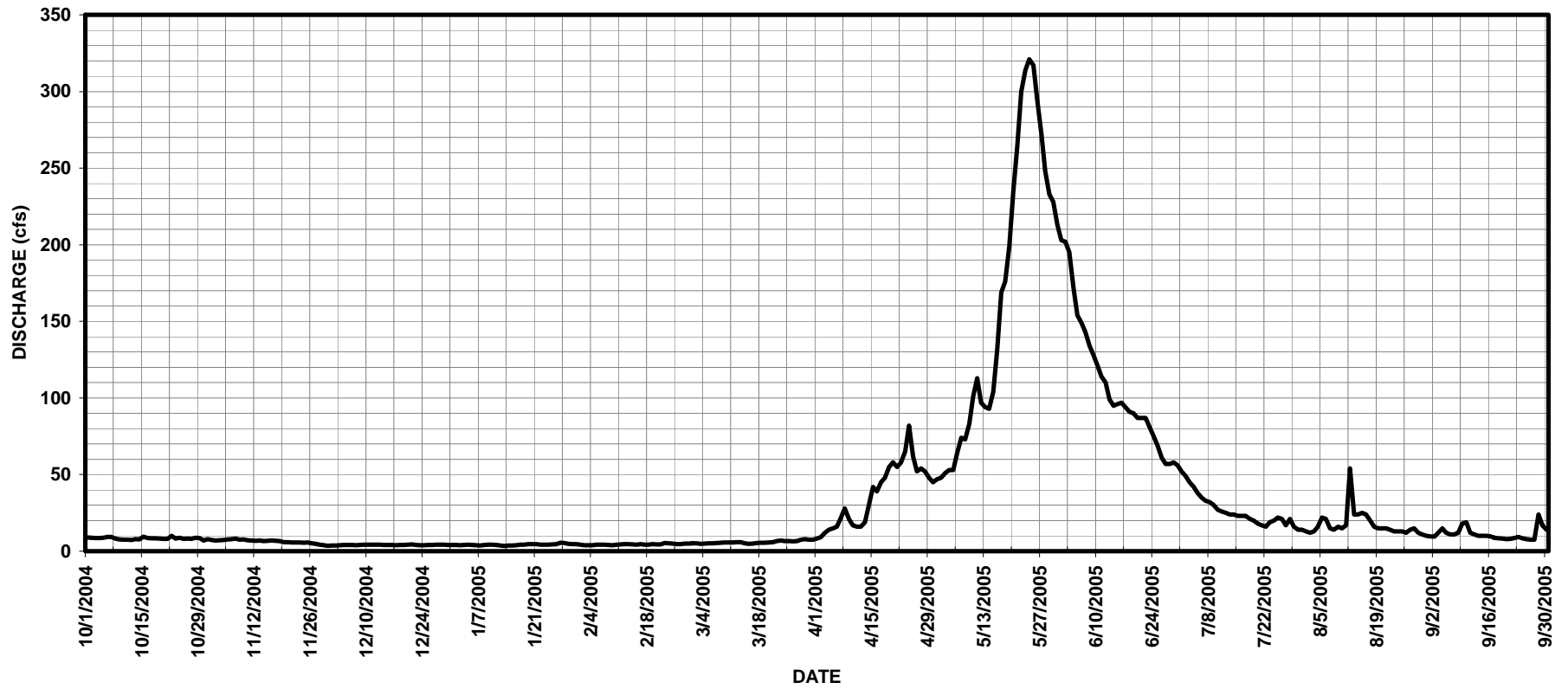
CAL YR 2004 TOTAL 8942.6 MEAN 24.4 MAX 158 MIN 3.3 AC-FT 17740
WTR YR 2005 TOTAL 12133.8 MEAN 33.2 MAX 321 MIN 3.5 AC-FT 24070

MAX DISCH: 358 CFS AT 21:00 ON May. 24, 2005 GH 2.96e FT. SHIFT 0.07 FT.

MAX GH: 2.96 FT. AT 21:00 ON May. 24, 2005

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

08220500 PINOS CREEK NEAR DEL NORTE CO
WY2005 HYDROGRAPH



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 mi².

GAGE--Graphic water-stage recorder in 48 inch corrugated metal shelter and well. The primary record is a Sutron satellite monitoring system. A tipping bucket rain gauge provided by the National Weather Service was installed and interfaced to satellite monitoring system on Sep. 30, 2004. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

REMARKS--Record is complete and reliable. Stage-discharge relation affected by ice Dec. 1, 2004 - Feb. 19, 2005. Record is good except for periods of ice-affected record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE--RIOMONCO18 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

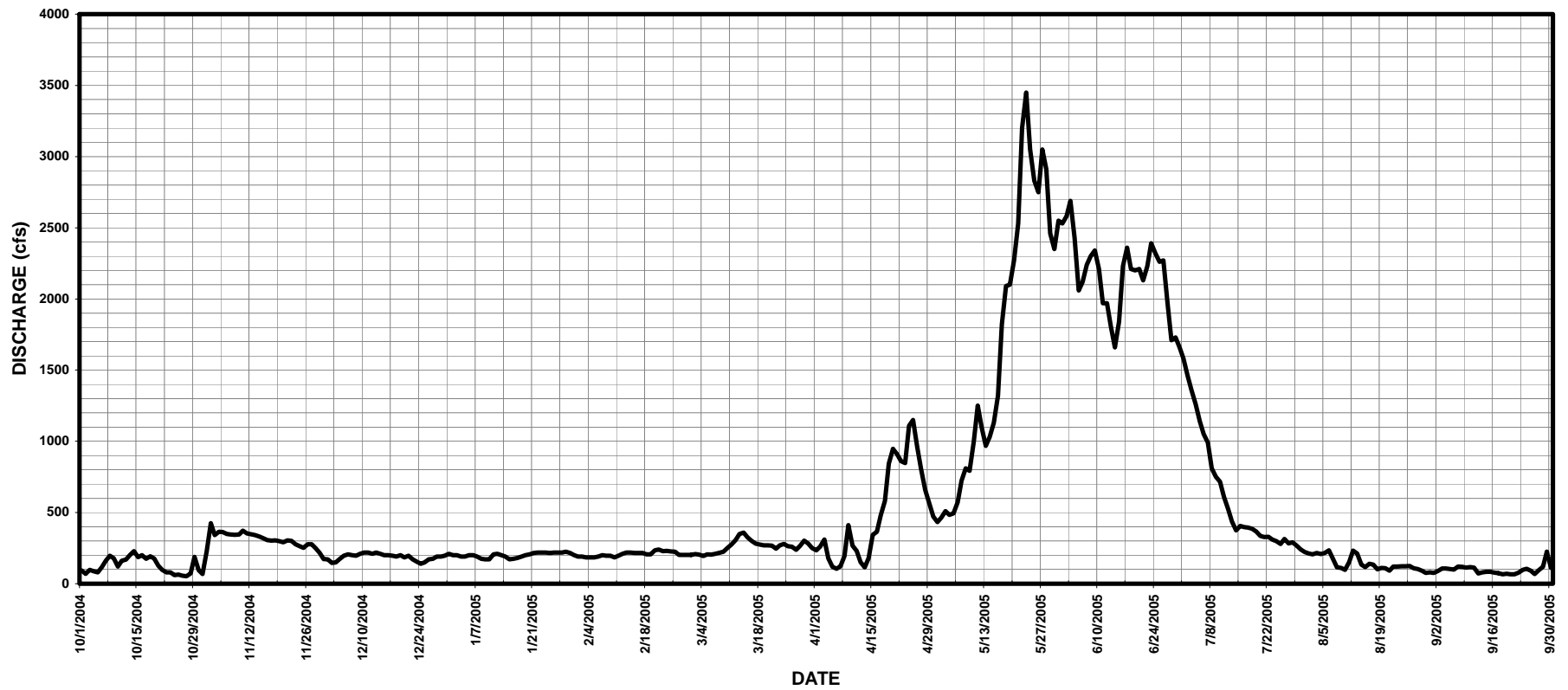
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	227	170	200	190	201	235	432	2530	1580	212	75
2	70	424	145	200	190	207	262	464	2580	1460	205	89
3	96	341	150	190	185	203	310	510	2690	1360	215	107
4	88	365	175	190	185	193	178	482	2430	1260	207	107
5	79	363	195	200	185	206	118	495	2060	1140	215	102
6	115	349	205	200	190	204	104	572	2120	1050	235	99
7	161	345	200	190	200	209	123	723	2240	990	177	120
8	196	344	195	175	195	217	193	810	2300	811	115	118
9	178	346	210	170	195	225	411	793	2340	750	111	112
10	121	372	220	170	185	251	267	994	2210	715	96	116
11	161	353	220	205	195	276	231	1250	1970	611	152	112
12	169	347	210	210	210	306	151	1100	1970	525	233	71
13	202	341	220	200	220	349	115	967	1810	437	211	80
14	229	332	210	190	220	359	179	1030	1660	375	133	83
15	187	319	200	170	215	326	344	1130	1840	405	116	84
16	200	306	200	175	215	301	365	1320	2230	398	140	77
17	175	303	195	180	215	282	480	1820	2360	394	134	73
18	191	305	190	190	205	276	581	2090	2210	386	100	66
19	177	298	200	200	205	270	844	2100	2200	367	110	69
20	126	291	185	205	234	270	946	2270	2210	336	109	66
21	97	304	195	215	240	267	909	2530	2130	327	91	65
22	79	300	170	220	228	247	860	3200	2230	330	121	77
23	79	278	155	220	230	270	847	3450	2390	311	120	97
24	61	264	140	220	227	279	1110	3050	2320	298	123	104
25	64	252	150	215	224	263	1150	2830	2260	280	123	92
26	56	277	170	220	202	259	960	2750	2270	314	124	67
27	52	277	175	220	201	239	804	3050	1970	283	109	95
28	71	251	190	220	202	266	658	2910	1710	290	102	118
29	188	216	190	225	---	302	569	2460	1730	268	92	225
30	95	173	195	215	---	284	471	2350	1660	240	76	110
31	68	---	210	200	---	251	---	2550	---	223	80	---
TOTAL	3924	9263	5835	6200	5788	8058	14775	52482	64630	18514	4387	2876
MEAN	127	309	188	200	207	260	493	1693	2154	597	142	96
AC-FT	7780	18370	11570	12300	11480	15980	29310	104100	128200	36720	8700	5700
MAX	229	424	220	225	240	359	1150	3450	2690	1580	235	225
MIN	52	173	140	170	185	193	104	432	1660	223	76	65

CAL YR	2004	TOTAL	125952	MEAN	344	MAX	1750	MIN	51	AC-FT	249800
WTR YR	2005	TOTAL	196732	MEAN	539	MAX	3450	MIN	52	AC-FT	390200

MAX DISCH: 3590 CFS AT 21:00 ON May. 22, 2005 GH 7.13 FT. SHIFT -0.29 FT.
MAX GH: 7.13 FT. AT 21:00 ON May. 22, 2005

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

08221500 RIO GRANDE NEAR MONTE VISTA CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry in a timber shelter and corrugated metal well until November 23-24, 2004, when a new gaging station was constructed approximately 0.3 miles above old gage. The new gaging station consists of a 42-inch diameter corrugated metal pipe well and shelter containing a graphic water-stage recorder and Sutron satellite monitoring system. The old gaging station record was used through the winter period, and the new gaging station record became the official record on March 4, 2005. Datum of gage is 7,595 feet, from topographic map.

REMARKS.--Record is complete and reliable except for Nov. 29 - Dec. 8, 2004 when the well was frozen. The shaft encoder float was installed in the oil cylinder in the old gage on Dec. 8, 2004. Stage-discharge relation was affected by ice Dec. 9, 2004 through Feb. 11, 2005. Record is fair 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-2004 TO 03-MAR-2005
RIOLINCO07 USED FROM 04-MAR-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	142	175	205	185	207	241	347	1470	1030	157	41
2	37	433	150	195	190	211	256	378	1510	937	155	52
3	60	345	155	190	190	212	296	436	1580	846	164	67
4	57	355	180	190	190	199	223	415	1500	786	151	70
5	50	364	200	195	190	212	135	410	1130	725	142	59
6	69	342	205	200	195	212	132	483	1130	659	171	53
7	114	335	205	195	200	215	114	546	1220	638	132	68
8	139	332	195	180	205	223	164	543	1340	576	61	82
9	141	344	215	165	200	229	276	519	1370	542	65	74
10	100	364	225	145	200	250	109	576	1380	483	42	84
11	122	355	220	200	210	268	173	751	1240	459	72	84
12	127	341	215	210	212	296	125	639	1210	409	167	51
13	147	336	215	200	226	335	101	497	1180	356	171	52
14	180	324	210	185	254	359	134	507	1070	270	99	56
15	162	310	200	175	253	317	280	634	1160	305	65	67
16	179	294	200	180	246	303	318	787	1400	298	86	63
17	161	289	190	185	252	275	316	1120	1510	299	94	58
18	145	291	195	195	247	272	410	1280	1440	293	67	52
19	132	283	195	205	236	268	507	1290	1380	279	66	49
20	107	271	180	205	253	265	540	1370	1420	248	66	48
21	94	278	180	215	269	265	560	1450	1360	237	47	44
22	82	287	160	220	228	250	515	1980	1380	238	70	48
23	82	258	150	220	227	262	517	2490	1520	228	72	60
24	66	252	140	220	225	275	655	2170	1530	209	73	69
25	71	228	150	210	210	262	741	1820	1470	199	73	52
26	65	241	175	215	207	262	553	1670	1590	232	79	33
27	58	264	175	220	200	244	472	1840	1450	210	67	58
28	59	230	190	215	209	256	425	1970	1210	219	58	72
29	109	190	195	215	---	296	396	1530	1180	206	50	141
30	76	160	195	205	---	289	369	1260	1110	181	37	75
31	74	---	210	190	---	259	---	1440	---	166	42	---
TOTAL	3124	8838	5845	6145	6109	8048	10053	33148	40440	12763	2861	1882
MEAN	101	295	189	198	218	260	335	1069	1348	412	92	63
AC-FT	6200	17530	11590	12190	12120	15960	19940	65750	80210	25320	5670	3730
MAX	180	433	225	220	269	359	741	2490	1590	1030	171	141
MIN	37	142	140	145	185	199	101	347	1070	166	37	33

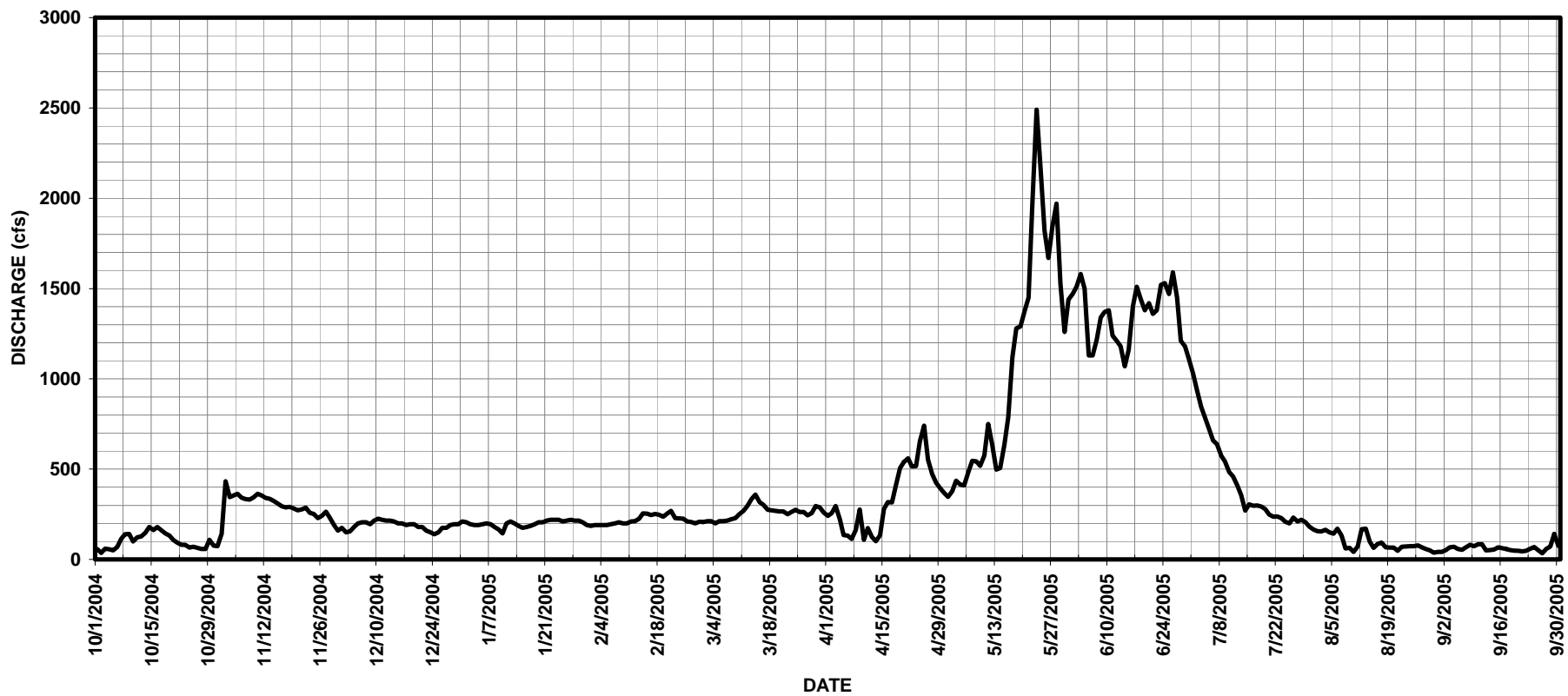
CAL YR	2004	TOTAL	79666.2	MEAN	218	MAX	739	MIN	2.3	AC-FT	158000
WTR YR	2005	TOTAL	139256	MEAN	382	MAX	2490	MIN	33	AC-FT	276200

MAX DISCH: 2580 CFS AT 21:45 ON May. 23, 2005 GH 7.16 FT. SHIFT -0.65 FT.

MAX GH: 7.16 FT. AT 21:45 ON May. 23, 2005

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

RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Graphic water-stage recorder and a Sutron satellite monitoring system with temperature probe in a 4 ft. by 6 ft. exposed aggregate building with a 4 ft. diameter concrete well. Datum of gage is 7,532.66 ft.

REMARKS.-- Record is complete and reliable. Stage-discharge relation was affected by ice Nov. 30, 2004 - Feb. 13, 2005. 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.--RIOALACO22 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

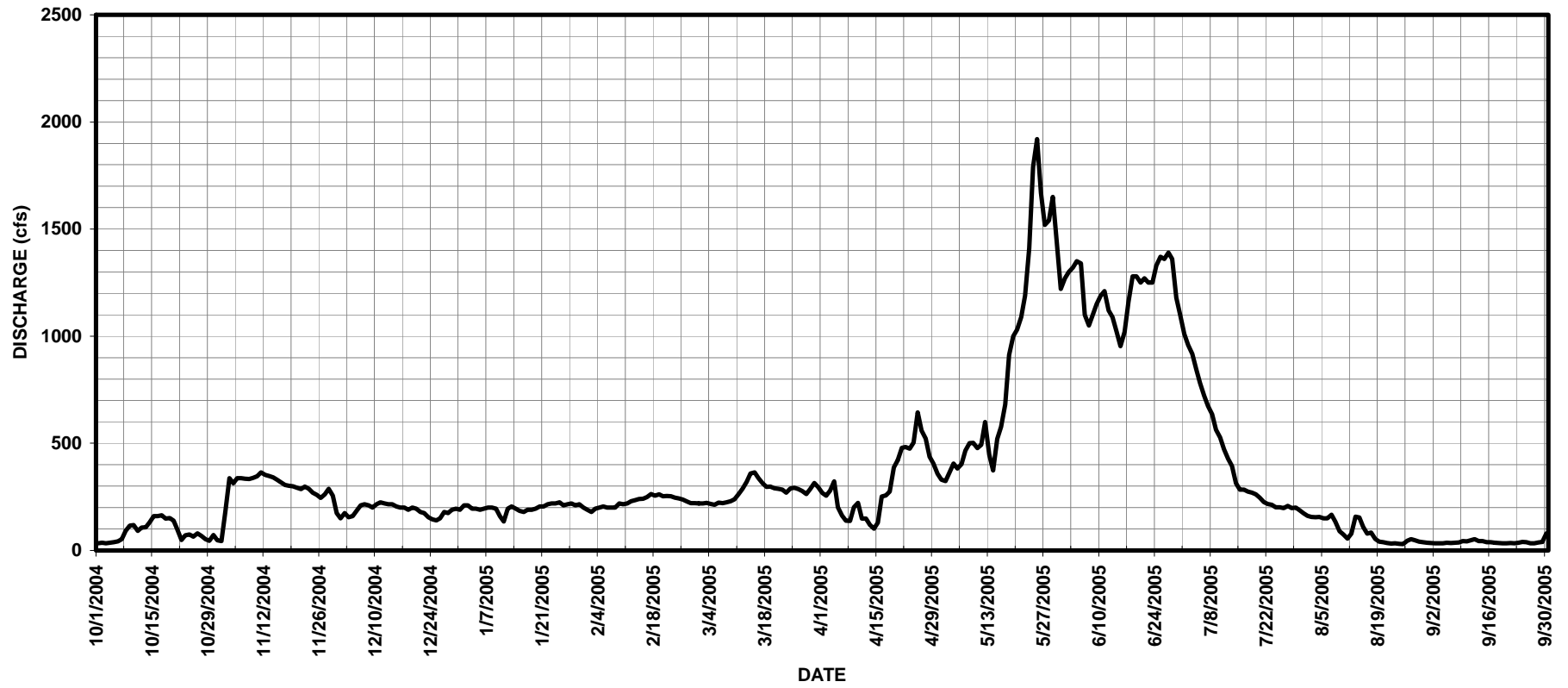
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	44	150	210	190	220	268	330	1270	1010	162	35
2	36	180	175	210	180	219	255	324	1300	959	156	34
3	34	337	155	195	195	222	279	363	1320	918	155	34
4	36	313	160	195	200	217	322	405	1350	847	157	34
5	39	337	185	190	205	213	202	383	1340	782	150	36
6	42	337	210	195	200	223	163	403	1100	723	150	35
7	53	335	215	200	200	221	139	466	1050	674	167	36
8	91	334	210	200	200	224	137	501	1100	635	133	37
9	116	339	200	195	220	230	202	502	1150	563	90	44
10	118	347	215	160	215	239	222	478	1190	527	74	42
11	91	365	225	135	220	263	149	493	1210	472	55	47
12	106	353	220	195	230	288	149	599	1120	427	78	52
13	108	348	215	205	235	319	119	447	1090	394	158	44
14	131	341	215	195	240	359	102	374	1020	313	154	44
15	160	330	205	185	241	364	130	521	953	283	109	39
16	160	317	200	180	249	338	252	578	1020	284	78	38
17	164	305	200	190	263	313	257	681	1160	274	84	36
18	149	301	190	190	256	297	274	913	1280	270	54	35
19	152	299	200	195	262	298	388	1000	1280	262	41	34
20	138	292	195	205	253	290	421	1030	1250	247	38	33
21	98	286	180	205	254	288	479	1090	1270	226	35	35
22	49	298	175	215	253	283	482	1190	1250	217	32	34
23	70	288	155	220	247	269	475	1410	1250	213	33	36
24	75	269	145	220	243	289	503	1790	1330	202	31	40
25	64	259	140	225	237	293	644	1920	1370	201	29	38
26	79	245	150	210	228	286	559	1670	1360	198	45	33
27	68	262	180	215	221	277	522	1520	1390	208	53	33
28	52	288	175	220	221	263	437	1540	1360	197	47	37
29	45	256	190	210	---	286	405	1650	1180	200	41	40
30	72	175	195	215	---	315	358	1430	1100	188	38	80
31	47	---	190	200	---	295	---	1220	---	173	36	---
TOTAL	2677	8780	5815	6180	6358	8501	9294	27221	36413	13087	2663	1175
MEAN	86	293	188	199	227	274	310	878	1214	422	86	39
AC-FT	5310	17420	11530	12260	12610	16860	18430	53990	72230	25960	5280	2330
MAX	164	365	225	225	263	364	644	1920	1390	1010	167	80
MIN	34	44	140	135	180	213	102	324	953	173	29	33

CAL YR	2004	TOTAL	70943	MEAN	194	MAX	689	MIN	21	AC-FT	140700
WTR YR	2005	TOTAL	128164	MEAN	351	MAX	1920	MIN	29	AC-FT	254200

MAX DISCH: 2010 CFS AT 01:00 ON May. 25, 2005 GH 7.19 FT. SHIFT -0.21 FT.
MAX GH: 7.19 FT. AT 01:00 ON May. 25, 2005

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

08223000 RIO GRANDE AT ALAMOSA CO
WY2005 HYDROGRAPH



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.--N/A

GAGE.--Graphic water-stage recorders on Ha and Hb in 8 ft. x 10 ft. steel plated building with concrete stilling wells. Sutron satellite monitoring system operating in conjunction with the graphic recorders. The Bureau of Reclamation owns and operates an independent Sutron system using pressure transducers, a water quality monitor, and temperature sensor which are all collected using a Remote Terminal Unit (R.T.U.).

REMARKS.--Record is complete and reliable. Record is good. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CBPALACO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

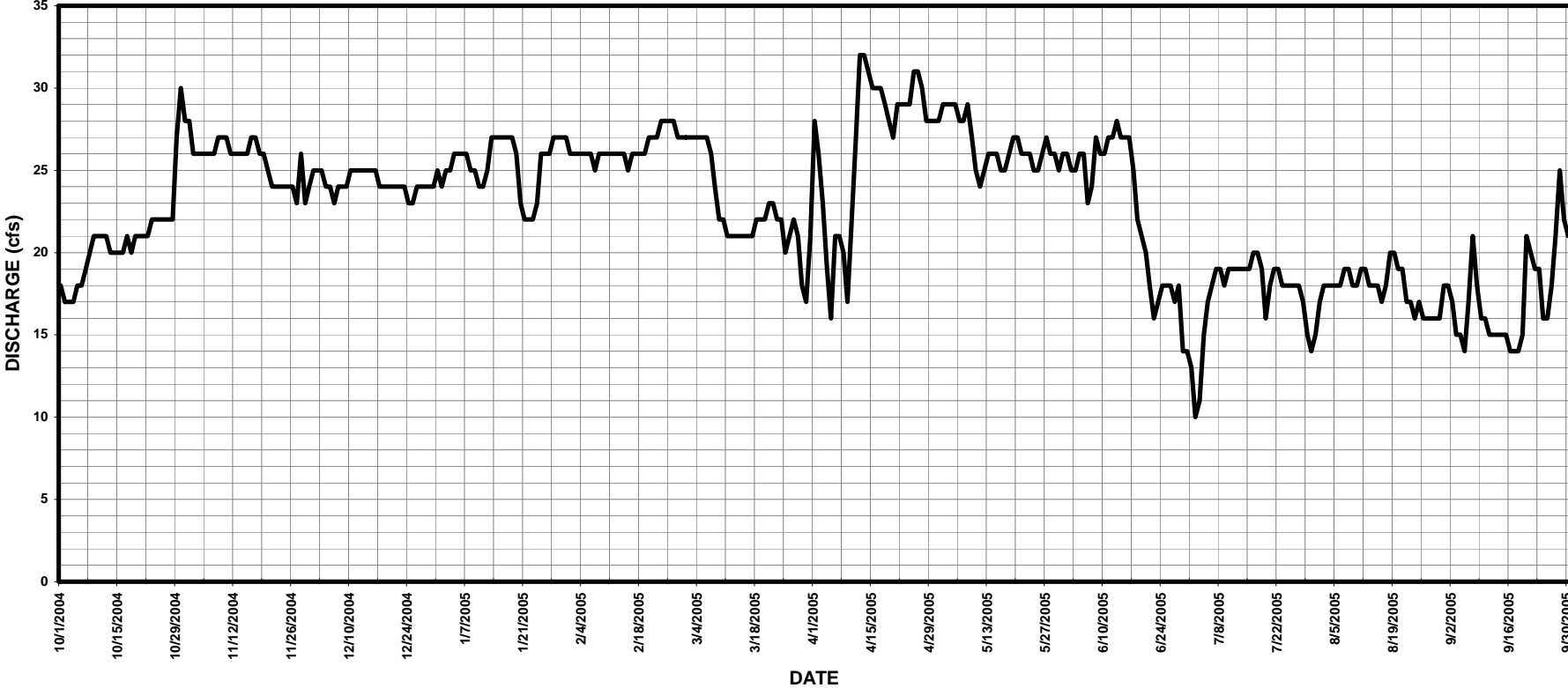
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	28	25	24	26	27	28	28	26	13	17	18
2	17	26	25	25	26	27	26	29	25	10	18	17
3	17	26	25	25	26	27	23	29	25	11	18	15
4	17	26	24	26	26	27	19	29	26	15	18	15
5	18	26	24	26	26	27	16	29	26	17	18	14
6	18	26	23	26	26	27	21	28	23	18	18	17
7	19	26	24	26	25	26	21	28	24	19	19	21
8	20	27	24	25	26	24	20	29	27	19	19	18
9	21	27	24	25	26	22	17	27	26	18	18	16
10	21	27	25	24	26	22	22	25	26	19	18	16
11	21	26	25	24	26	21	27	24	27	19	19	15
12	21	26	25	25	26	21	32	25	27	19	19	15
13	20	26	25	27	26	21	32	26	28	19	18	15
14	20	26	25	27	26	21	31	26	27	19	18	15
15	20	26	25	27	25	21	30	26	27	19	18	15
16	20	27	25	27	26	21	30	25	27	20	17	14
17	21	27	24	27	26	21	30	25	25	20	18	14
18	20	26	24	27	26	22	29	26	22	19	20	14
19	21	26	24	26	26	22	28	27	21	16	20	15
20	21	25	24	23	27	22	27	27	20	18	19	21
21	21	24	24	22	27	23	29	26	18	19	19	20
22	21	24	24	22	27	23	29	26	16	19	17	19
23	22	24	24	22	28	22	29	26	17	18	17	19
24	22	24	23	23	28	22	29	25	18	18	16	16
25	22	24	23	26	28	20	31	25	18	18	17	16
26	22	24	24	26	28	21	31	26	18	18	16	18
27	22	23	24	26	27	22	30	27	17	18	16	21
28	22	26	24	27	27	21	28	26	18	17	16	25
29	27	23	24	27	---	18	28	26	14	15	16	22
30	30	24	24	27	---	17	28	25	14	14	16	21
31	28	---	25	27	---	21	---	26	---	15	18	---
TOTAL	650	766	752	787	739	699	801	822	673	536	551	517
MEAN	21	26	24	25	26	23	27	27	22	17	18	17
AC-FT	1290	1520	1490	1560	1470	1390	1590	1630	1330	1060	1090	1030
MAX	30	28	25	27	28	27	32	29	28	20	20	25
MIN	17	23	23	22	25	17	16	24	14	10	16	14

CAL YR	2004	TOTAL	6827	MEAN	18.7	MAX	30	MIN	5.9	AC-FT	13540
WTR YR	2005	TOTAL	8293	MEAN	22.7	MAX	32	MIN	10	AC-FT	16450

MAX DISCH: 35.4 CFS AT 06:00 ON Nov. 28, 2004 GH 0.82 FT. SHIFT 0.02 FT.
MAX GH: 0.94 FT. AT 11:00 ON May. 8, 2005

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

CLOSED BASIN PROJECT CANAL NEAR ALAMOSA CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

08224500 KERBER CREEK NEAR VILLA GROVE, CO

LOCATION.--Lat 38°13'12", long 105°58'33", in SW¼SW¼, sec. 21, T. 46 N., R. 8 E., Saguache County, on left bank 7 miles west of Villa Grove and 5 ½ miles downstream from the town of Bonanza.

DRAINAGE AREA AND PERIOD OF RECORD.--45.4 mi² (revised). (approx.) Originally established with staff gage only in 1911. Station at various locations from that time.

GAGE.--Graphic water-stage recorder and Sutron satellite system in a 6' by 6' exposed aggregate gage and 4' diameter concrete well at a concrete ramp flume. Full station name: Kerber Creek above Little Kerber Creek near Villa Grove, CO. Altitude of gage is 8,840 ft. from topographic map.

REMARKS.--Record is complete for the water year except for December 2, 2004 when well was frozen. Stage-discharge relation was affected by ice November 22-30, December 1, 3-31, 2004, January 1-31, February 1-28, March 1-22, 27-31, April 1-11, 2005. The 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.--KERVILCO18 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

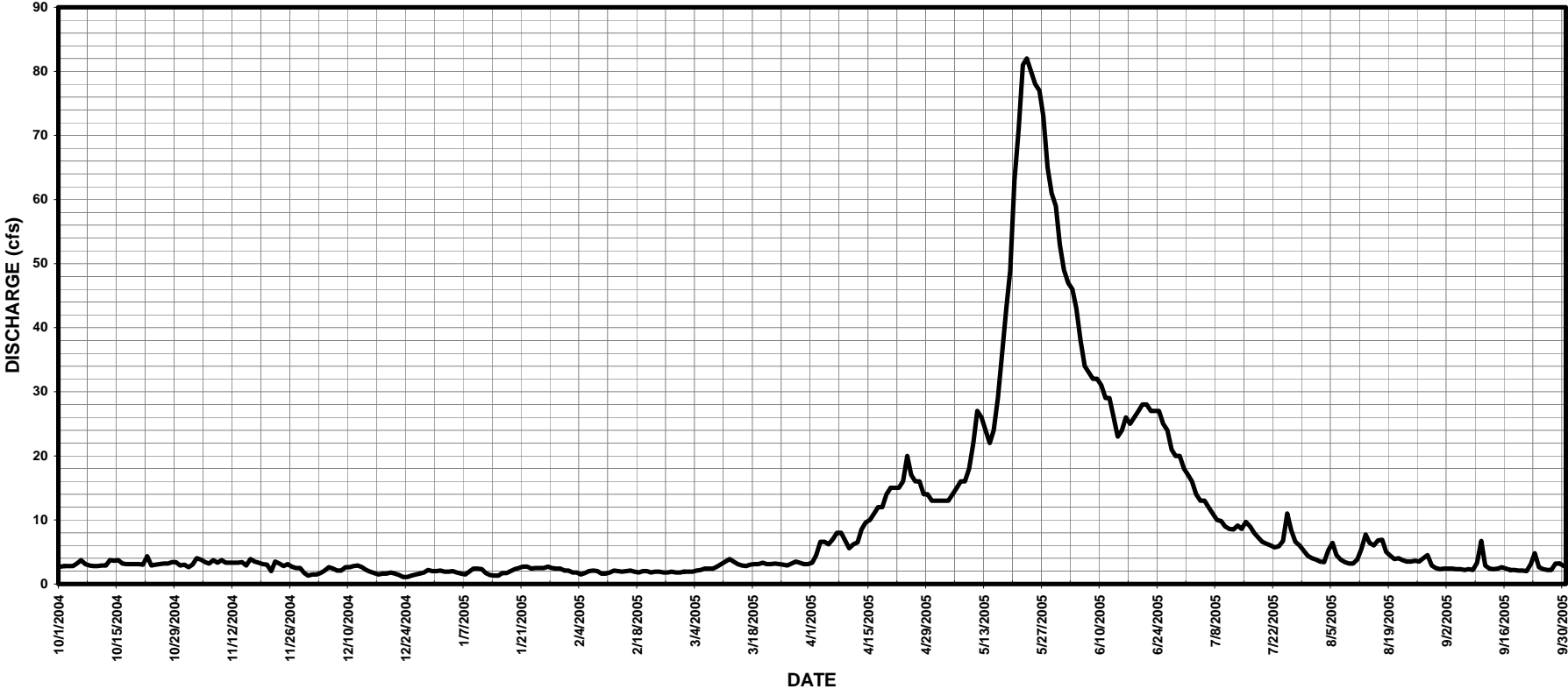
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	2.6	1.5	2.1	2.1	1.9	3.3	13	49	17	3.8	2.4
2	2.8	3	1.5	1.9	1.8	1.9	4.5	13	47	16	3.5	2.4
3	2.8	4	1.7	1.9	1.8	1.9	6.6	13	46	14	3.4	2.4
4	2.8	3.8	2.1	2	1.5	2.1	6.6	13	43	13	5.3	2.3
5	3.2	3.4	2.6	1.8	1.7	2.2	6.2	14	38	13	6.4	2.3
6	3.7	3.2	2.4	1.6	2	2.4	7	15	34	12	4.5	2.2
7	3.1	3.7	2.1	1.5	2.1	2.4	8	16	33	11	3.8	2.3
8	2.9	3.3	2.1	1.9	2	2.4	8	16	32	10	3.4	2.2
9	2.8	3.7	2.6	2.4	1.6	2.7	6.8	18	32	9.8	3.2	3.3
10	2.8	3.3	2.6	2.4	1.6	3.1	5.6	22	31	9	3.2	6.7
11	2.9	3.3	2.8	2.3	1.8	3.5	6.2	27	29	8.6	3.8	2.9
12	2.9	3.3	2.9	1.7	2.1	3.9	6.5	26	29	8.5	5.5	2.4
13	3.7	3.3	2.6	1.4	2	3.5	8.5	24	26	9.1	7.7	2.3
14	3.6	3.4	2.2	1.3	1.9	3.1	9.6	22	23	8.6	6.4	2.4
15	3.7	2.9	1.9	1.3	2	2.9	10	24	24	9.7	6	2.6
16	3.2	3.9	1.7	1.7	2.1	2.8	11	29	26	9	6.8	2.4
17	3.1	3.5	1.5	1.7	1.9	3	12	36	25	8	6.9	2.2
18	3.1	3.3	1.6	2	1.8	3.1	12	43	26	7.3	5	2.2
19	3.1	3.1	1.6	2.3	2	3.1	14	49	27	6.6	4.4	2.1
20	3.1	3	1.8	2.5	2	3.3	15	63	28	6.3	3.9	2.1
21	3	2	1.6	2.7	1.8	3.1	15	71	28	6	4	2
22	4.3	3.5	1.4	2.7	1.9	3.1	15	81	27	5.7	3.7	3.1
23	2.9	3.2	1.1	2.4	1.9	3.2	16	82	27	5.9	3.5	4.8
24	3	2.8	1.1	2.5	1.8	3.1	20	80	27	6.7	3.5	2.6
25	3.1	3.1	1.3	2.5	1.8	3	17	78	25	11	3.6	2.3
26	3.2	2.7	1.5	2.5	1.9	2.9	16	77	24	8.4	3.5	2.2
27	3.2	2.5	1.6	2.7	1.8	3.2	16	73	21	6.6	4	2.2
28	3.4	2.5	1.8	2.5	1.8	3.5	14	65	20	6	4.5	3.2
29	3.4	1.7	2.2	2.4	---	3.3	14	61	20	5.2	2.9	3.2
30	2.9	1.3	2	2.4	---	3.1	13	59	18	4.4	2.5	2.8
31	3	---	2	2.1	---	3.1	---	53	---	4	2.3	---
TOTAL	97.4	92.3	59.4	65.1	52.5	89.8	323.4	1276	885	276.4	134.9	80.5
MEAN	3.1	3.1	1.9	2.1	1.9	2.9	10.8	41	30	8.9	4.4	2.7
AC-FT	193	183	118	129	104	178	641	2530	1760	548	268	160
MAX	4.3	4	2.9	2.7	2.1	3.9	20	82	49	17	7.7	6.7
MIN	2.7	1.3	1.1	1.3	1.5	1.9	3.3	13	18	4	2.3	2

CAL YR	2004	TOTAL	3075.1	MEAN	8.40	MAX	63	MIN	1.1	AC-FT	6100
WTR YR	2005	TOTAL	3432.7	MEAN	9.40	MAX	82	MIN	1.1	AC-FT	6810

MAX DISCH: 86.9 CFS AT 22:29 ON May. 23, 2005 GH 1.48 FT. SHIFT 0.16 FT.
MAX GH: 1.48 FT. AT 22:29 ON May. 23, 2005

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

08224500 KERBER CREEK NEAR VILLA GROVE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

GARNER CREEK near VILLA GROVE, CO

LOCATION.--Lat 38°10'27", long 105°48'29", in SE ¼ SE ¼ Sec. 1, T.45 N., R.10 E., NMPM, Saguache Co., on right bank, 12 miles SE of Villa Grove.

DRAINAGE AREA.--6.4 mi².

GAGE.--Stilling well of 2-foot diameter steel culvert pipe installed in 1999 water year. Instrument shelter is small steel box-type shelter atop well. Contact to stream is a 1-inch intake pipe attached to both stilling well and 2-foot Parshall flume. Flume and staff gage have been at this site many years. Shelter is equipped with a Sutron data logger/transmitter and digital shaft encoder that is set by an outside staff gage. Flume and staff gage there for several years previous. Elevation 8680 ft.

REMARKS.--Record is complete and reliable for the water year, except for Nov. 30 through Dec. 13, 2004 when the well was frozen, Dec. 14, 2004 through Mar. 9, 2005 when station was closed for the winter, Mar. 10 - Apr. 6, 2005 when the inlet was frozen, and June 14-27, 2005 when the inlet was plugged. Stage-discharge relation was affected by ice Nov. 27-29, 2004. Record 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.--GARVILCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

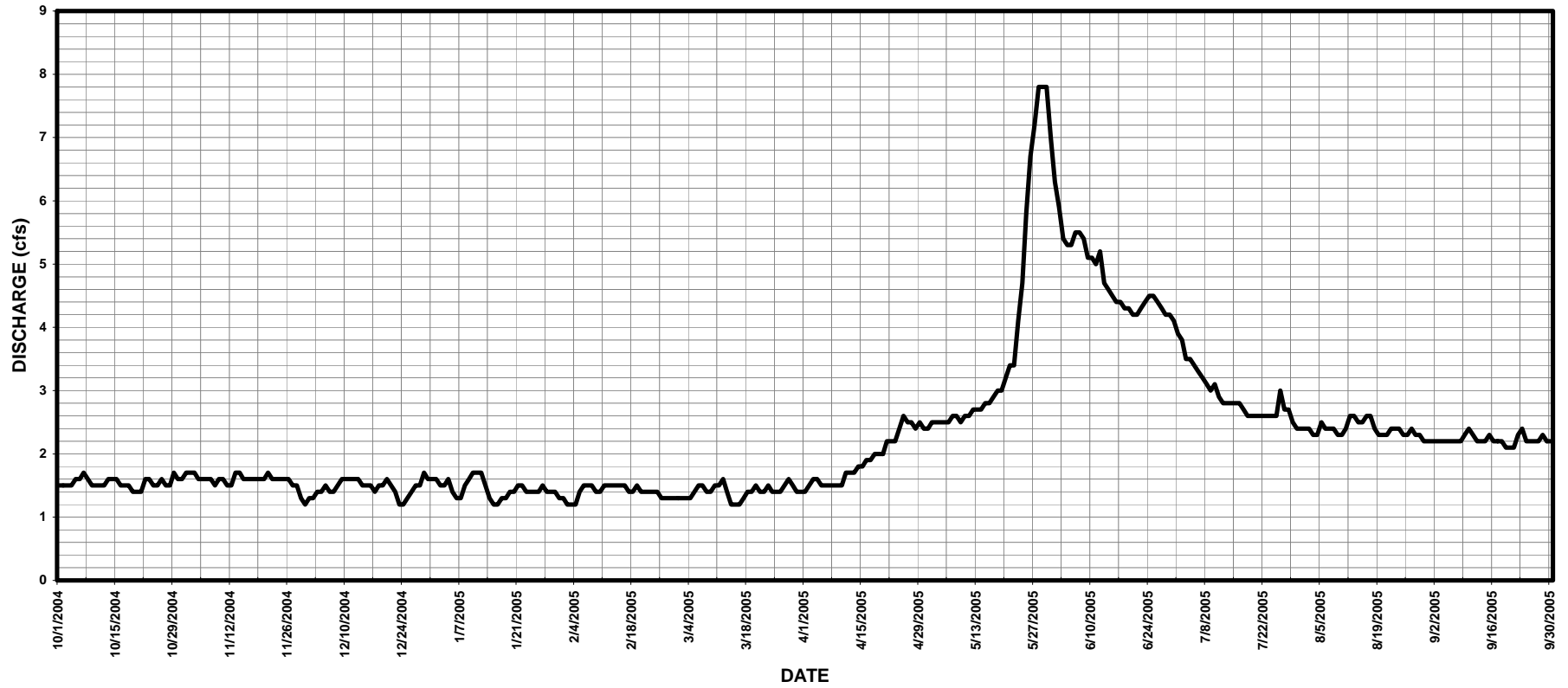
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.7	1.3	1.6	1.3	1.3	1.4	2.4	6.3	3.9	2.4	2.2
2	1.5	1.7	1.3	1.5	1.2	1.3	1.5	2.5	5.9	3.8	2.4	2.2
3	1.5	1.7	1.4	1.5	1.2	1.3	1.6	2.5	5.4	3.5	2.3	2.2
4	1.5	1.6	1.4	1.6	1.2	1.3	1.6	2.5	5.3	3.5	2.3	2.2
5	1.6	1.6	1.5	1.4	1.4	1.4	1.5	2.5	5.3	3.4	2.5	2.2
6	1.6	1.6	1.4	1.3	1.5	1.5	1.5	2.5	5.5	3.3	2.4	2.2
7	1.7	1.6	1.4	1.3	1.5	1.5	1.5	2.6	5.5	3.2	2.4	2.2
8	1.6	1.5	1.5	1.5	1.5	1.4	1.5	2.6	5.4	3.1	2.4	2.2
9	1.5	1.6	1.6	1.6	1.4	1.4	1.5	2.5	5.1	3.0	2.3	2.3
10	1.5	1.6	1.6	1.7	1.4	1.5	1.5	2.6	5.1	3.1	2.3	2.4
11	1.5	1.5	1.6	1.7	1.5	1.5	1.7	2.6	5.0	2.9	2.4	2.3
12	1.5	1.5	1.6	1.7	1.5	1.6	1.7	2.7	5.2	2.8	2.6	2.2
13	1.6	1.7	1.6	1.5	1.5	1.4	1.7	2.7	4.7	2.8	2.6	2.2
14	1.6	1.7	1.5	1.3	1.5	1.2	1.8	2.7	4.6	2.8	2.5	2.2
15	1.6	1.6	1.5	1.2	1.5	1.2	1.8	2.8	4.5	2.8	2.5	2.3
16	1.5	1.6	1.5	1.2	1.5	1.2	1.9	2.8	4.4	2.8	2.6	2.2
17	1.5	1.6	1.4	1.3	1.4	1.3	1.9	2.9	4.4	2.7	2.6	2.2
18	1.5	1.6	1.5	1.3	1.4	1.4	2.0	3.0	4.3	2.6	2.4	2.2
19	1.4	1.6	1.5	1.4	1.5	1.4	2.0	3.0	4.3	2.6	2.3	2.1
20	1.4	1.6	1.6	1.4	1.4	1.5	2.0	3.2	4.2	2.6	2.3	2.1
21	1.4	1.7	1.5	1.5	1.4	1.4	2.2	3.4	4.2	2.6	2.3	2.1
22	1.6	1.6	1.4	1.5	1.4	1.4	2.2	3.4	4.3	2.6	2.4	2.3
23	1.6	1.6	1.2	1.4	1.4	1.5	2.2	4.1	4.4	2.6	2.4	2.4
24	1.5	1.6	1.2	1.4	1.4	1.4	2.4	4.7	4.5	2.6	2.4	2.2
25	1.5	1.6	1.3	1.4	1.3	1.4	2.6	5.8	4.5	2.6	2.3	2.2
26	1.6	1.6	1.4	1.4	1.3	1.4	2.5	6.7	4.4	3.0	2.3	2.2
27	1.5	1.5	1.5	1.5	1.3	1.5	2.5	7.2	4.3	2.7	2.4	2.2
28	1.5	1.5	1.5	1.4	1.3	1.6	2.4	7.8	4.2	2.7	2.3	2.3
29	1.7	1.3	1.7	1.4	---	1.5	2.5	7.8	4.2	2.5	2.3	2.2
30	1.6	1.2	1.6	1.4	---	1.4	2.4	7.8	4.1	2.4	2.2	2.2
31	1.6	---	1.6	1.3	---	1.4	---	7.0	---	2.4	2.2	---
TOTAL	47.7	47.4	45.6	44.6	39.1	43.5	57.5	119.3	143.5	89.9	74.0	66.6
MEAN	1.54	1.58	1.47	1.44	1.40	1.40	1.92	3.85	4.78	2.90	2.39	2.22
AC-FT	95	94	90	88	78	86	114	237	285	178	147	132
MAX	1.7	1.7	1.7	1.7	1.5	1.6	2.6	7.8	6.3	3.9	2.6	2.4
MIN	1.4	1.2	1.2	1.2	1.2	1.2	1.4	2.4	4.1	2.4	2.2	2.1
CAL YR 2004	TOTAL	652.2	MEAN	1.78	MAX	3.3	MIN	1.2	AC-FT	1290		
WTR YR 2005	TOTAL	818.7	MEAN	2.24	MAX	7.8	MIN	1.2	AC-FT	1620		

MAX DISCH: 8.64 CFS AT 22:30 ON May. 29, 2005 GH 1.01 FT. SHIFT 0.04 FT.
MAX GH: 1.01 FT. AT 22:30 ON May. 29, 2005

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

GARNER CREEK NEAR VILLA GROVE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

MAJOR CREEK near VILLA GROVE, CO

LOCATION.--Lat 38°09'26", long 105°48'32", in NE ¼ NE ¼ Sec. 13, T.45 N., R.10 E., NMPM, Saguache Co., on right bank, 11 miles SE of Villa Grove.

DRAINAGE AREA.--5.0 mi².

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 December 14, 2004 through March 9, 2005 when the station was closed for the winter, and November 29 through December 13, 2004 when the well was frozen. Stage-discharge relation affected by ice March 15, 16, April 1, 2005. Record good, except for periods of no gage-heights and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--MAJVILCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

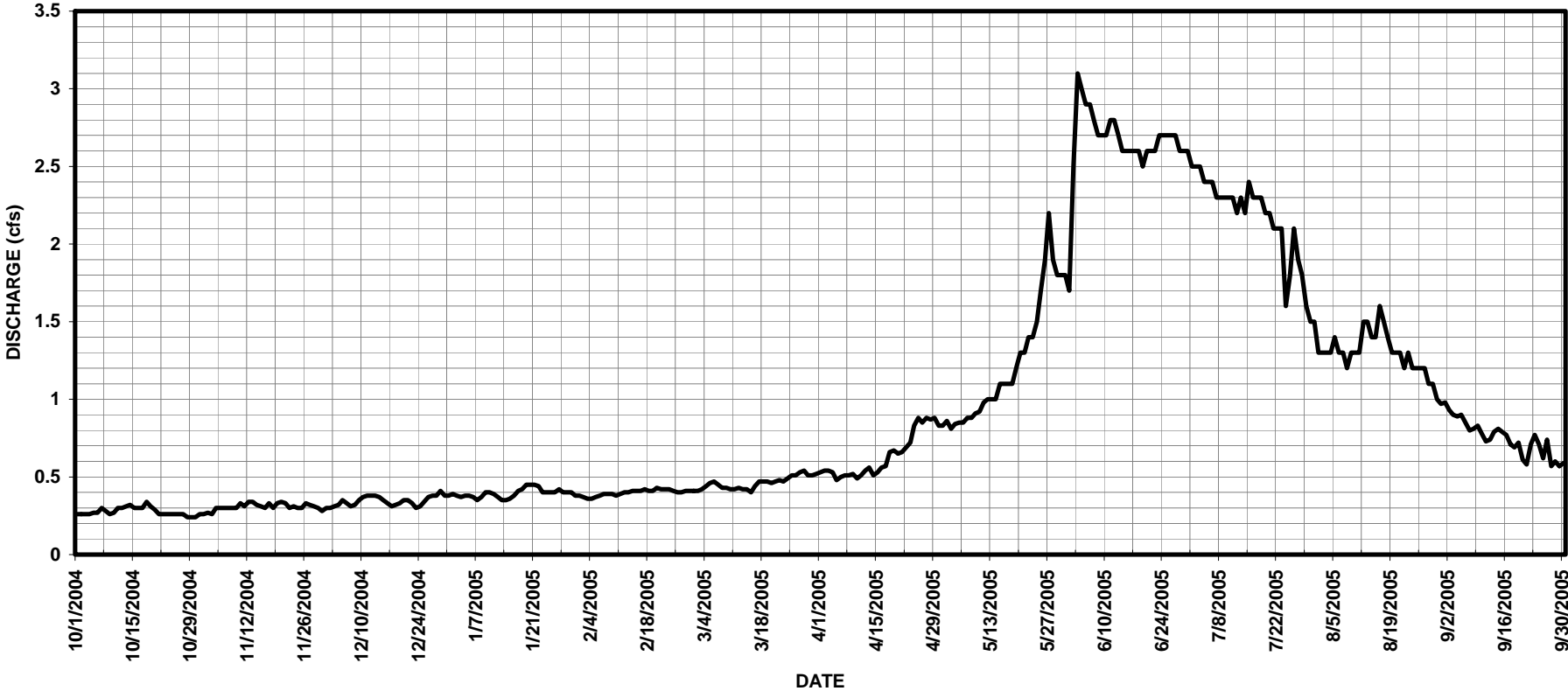
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.26	.26	.30	.39	.38	.41	.53	.83	1.7	2.5	1.3	.98
2	.26	.27	.30	.38	.37	.41	.54	.86	2.5	2.5	1.3	.93
3	.26	.26	.31	.37	.36	.42	.54	.81	3.1	2.5	1.3	.90
4	.26	.30	.32	.38	.36	.44	.53	.84	3.0	2.4	1.3	.89
5	.27	.30	.35	.38	.37	.46	.48	.85	2.9	2.4	1.4	.90
6	.27	.30	.33	.37	.38	.47	.50	.85	2.9	2.4	1.3	.85
7	.30	.30	.31	.35	.39	.45	.51	.88	2.8	2.3	1.3	.80
8	.28	.30	.32	.37	.39	.43	.51	.88	2.7	2.3	1.2	.81
9	.26	.30	.35	.40	.39	.43	.52	.91	2.7	2.3	1.3	.83
10	.27	.33	.37	.40	.38	.42	.49	.92	2.7	2.3	1.3	.78
11	.30	.31	.38	.39	.39	.42	.51	.98	2.8	2.3	1.3	.73
12	.30	.34	.38	.37	.40	.43	.54	1.0	2.8	2.2	1.5	.74
13	.31	.34	.38	.35	.40	.42	.56	1.0	2.7	2.3	1.5	.79
14	.32	.32	.37	.35	.41	.42	.51	1.0	2.6	2.2	1.4	.81
15	.30	.31	.35	.36	.41	.40	.53	1.1	2.6	2.4	1.4	.79
16	.30	.30	.33	.38	.41	.44	.56	1.1	2.6	2.3	1.6	.77
17	.30	.33	.31	.41	.42	.47	.57	1.1	2.6	2.3	1.5	.71
18	.34	.30	.32	.42	.41	.47	.66	1.1	2.6	2.3	1.4	.69
19	.31	.33	.33	.45	.41	.47	.67	1.2	2.5	2.2	1.3	.72
20	.29	.34	.35	.45	.43	.46	.65	1.3	2.6	2.2	1.3	.61
21	.26	.33	.35	.45	.42	.47	.66	1.3	2.6	2.1	1.3	.58
22	.26	.30	.33	.44	.42	.48	.69	1.4	2.6	2.1	1.2	.71
23	.26	.31	.30	.40	.42	.47	.72	1.4	2.7	2.1	1.3	.77
24	.26	.30	.31	.40	.41	.49	.83	1.5	2.7	1.6	1.2	.71
25	.26	.30	.34	.40	.40	.51	.88	1.7	2.7	1.8	1.2	.62
26	.26	.33	.37	.40	.40	.51	.85	1.9	2.7	2.1	1.2	.74
27	.26	.32	.38	.42	.41	.53	.88	2.2	2.7	1.9	1.2	.57
28	.24	.31	.38	.40	.41	.54	.87	1.9	2.6	1.8	1.1	.60
29	.24	.30	.41	.40	---	.51	.88	1.8	2.6	1.6	1.1	.57
30	.24	.28	.38	.40	---	.51	.83	1.8	2.6	1.5	1.0	.59
31	.26	---	.38	.38	---	.52	---	1.8	---	1.5	.97	---
TOTAL	8.56	9.22	10.69	12.21	11.15	14.28	19.00	38.21	79.9	66.7	39.97	22.49
MEAN	.28	.31	.34	.39	.40	.46	.63	1.23	2.66	2.15	1.29	.75
AC-FT	17	18	21	24	22	28	38	76	158	132	79	45
MAX	.34	.34	.41	.45	.43	.54	.88	2.2	3.1	2.5	1.6	.98
MIN	.24	.26	.30	.35	.36	.40	.48	.81	1.7	1.5	.97	.57
CAL YR 2004	TOTAL	147.53	MEAN	.40	MAX	1.1	MIN	.11	AC-FT	293		
WTR YR 2005	TOTAL	332.38	MEAN	.91	MAX	3.1	MIN	.24	AC-FT	659		

MAX DISCH: 3.26 CFS AT 15:15 ON Jun. 2, 2005 GH 0.51 FT. SHIFT 0.05 FT.
MAX GH: 0.51 FT. AT 15:15 ON Jun. 2, 2005

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

MAJOR CREEK NEAR VILLA GROVE CO
WY2005 HYDROGRAPH



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", in SW ¼ SW ¼ Sec. 20, T.45 N., R.11 E., NMPM, Saguache Co., on left bank, 9 miles SE of Mineral Hot Springs.

DRAINAGE AREA.--12.8 mi².

GAGE.--A Sutron shaft encoder and data collection platform (DCP) is the primary record. A strip chart recorder is used as a back-up. Both are set by tape and weight from a reference point set in the shelf. Gage consists of a 4-foot diameter culvert pipe well and shelter. Elevation of gage is 8600 ft.

REMARKS.--Record is complete and reliable for the water year except December 14, 2004 through March 9, 2005 when the station was closed for the winter, December 1-13, 2004 and March 15-19, 2005 when the well was frozen, and May 23-26, June 22-27, 2005 when the inlets were plugged. Stage-discharge relation affected by ice on November 27-30, 2004. Record is good, except for periods of no record, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--COCRMICO2 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

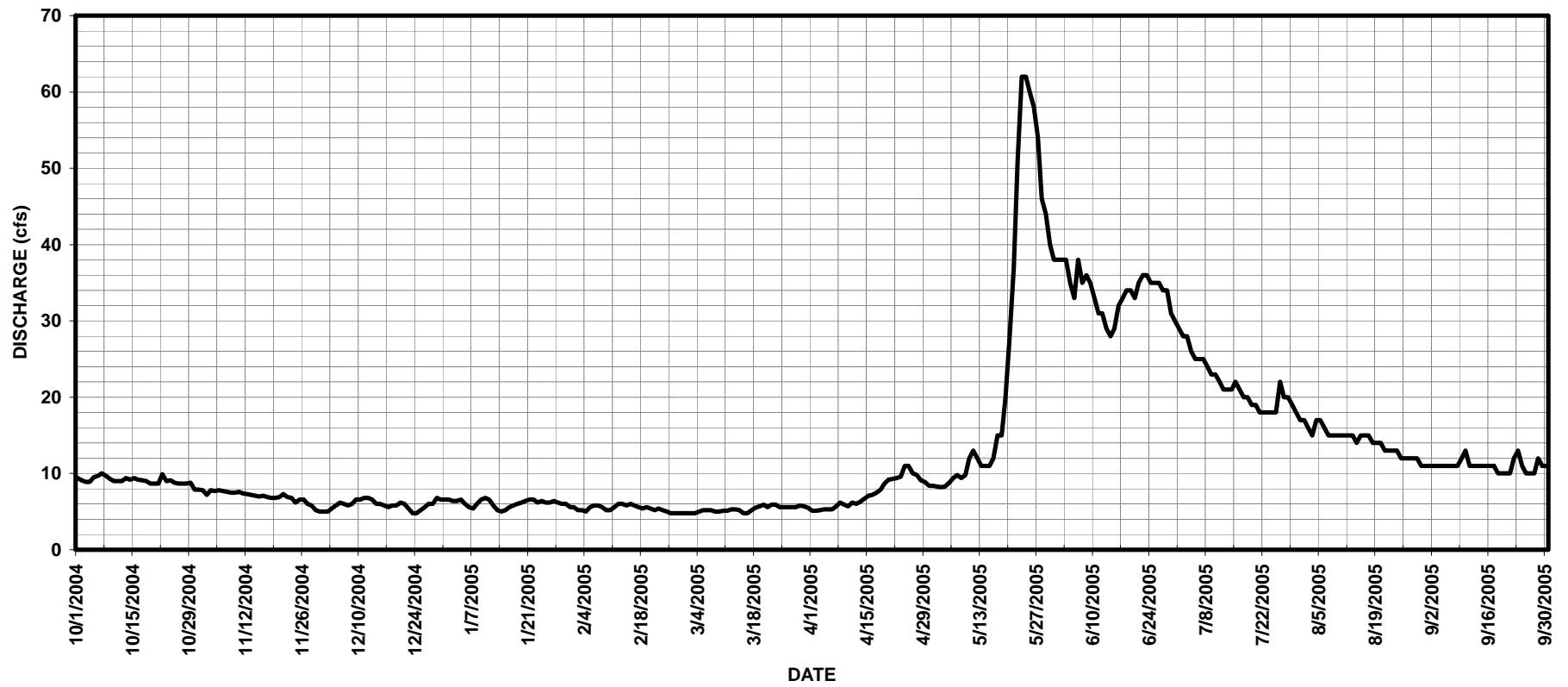
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	7.8	5.0	6.6	5.6	4.8	5.1	8.4	38	29	17	11
2	9.1	7.2	5.0	6.4	5.2	4.8	5.1	8.3	38	28	16	11
3	8.9	7.8	5.4	6.4	5.2	4.8	5.2	8.2	38	28	15	11
4	8.9	7.7	5.8	6.6	5.0	5.0	5.3	8.3	35	26	17	11
5	9.5	7.8	6.2	6.0	5.6	5.2	5.3	8.8	33	25	17	11
6	9.7	7.7	6.0	5.6	5.8	5.2	5.3	9.4	38	25	16	11
7	10	7.6	5.8	5.4	5.8	5.2	5.7	9.8	35	25	15	11
8	9.7	7.5	6.0	6.0	5.6	5.0	6.2	9.4	36	24	15	11
9	9.3	7.5	6.6	6.6	5.2	5.0	5.9	9.8	35	23	15	12
10	9.0	7.6	6.6	6.8	5.2	5.1	5.7	12	33	23	15	13
11	9.0	7.4	6.8	6.6	5.6	5.1	6.2	13	31	22	15	11
12	9.0	7.3	6.8	5.8	6.0	5.3	6.0	12	31	21	15	11
13	9.4	7.2	6.6	5.2	6.0	5.3	6.3	11	29	21	15	11
14	9.2	7.1	6.0	5.0	5.8	5.2	6.7	11	28	21	14	11
15	9.4	7.0	6.0	5.2	6.0	4.8	7.1	11	29	22	15	11
16	9.2	7.1	5.8	5.6	5.8	4.8	7.2	12	32	21	15	11
17	9.1	6.9	5.6	5.8	5.6	5.2	7.5	15	33	20	15	11
18	9.0	6.8	5.8	6.0	5.4	5.5	7.9	15	34	20	14	10
19	8.7	6.8	5.8	6.2	5.6	5.7	8.7	20	34	19	14	10
20	8.7	6.9	6.2	6.4	5.4	5.9	9.2	28	33	19	14	10
21	8.7	7.3	6.0	6.6	5.2	5.6	9.3	37	35	18	13	10
22	9.9	6.9	5.4	6.6	5.4	5.9	9.4	51	36	18	13	12
23	9.0	6.8	4.8	6.2	5.2	5.9	9.6	62	36	18	13	13
24	9.1	6.2	4.8	6.4	5.0	5.6	11	62	35	18	13	11
25	8.8	6.6	5.2	6.2	4.8	5.6	11	60	35	18	12	10
26	8.7	6.6	5.6	6.2	4.8	5.6	10	58	35	22	12	10
27	8.7	6.0	6.0	6.4	4.8	5.6	9.8	54	34	20	12	10
28	8.7	5.8	6.0	6.2	4.8	5.6	9.1	46	34	20	12	12
29	8.8	5.2	6.8	6.0	---	5.8	8.9	44	31	19	12	11
30	7.9	5.0	6.6	6.0	---	5.7	8.4	40	30	18	11	11
31	7.9	---	6.6	5.6	---	5.5	---	38	---	17	11	---
TOTAL	280.4	209.1	183.6	188.6	151.4	165.3	224.1	792.4	1014	668	438	330
MEAN	9.05	6.97	5.92	6.08	5.41	5.33	7.47	25.6	33.8	21.5	14.1	11.0
AC-FT	556	415	364	374	300	328	445	1570	2010	1320	869	655
MAX	10	7.8	6.8	6.8	6.0	5.9	11	62	38	29	17	13
MIN	7.9	5.0	4.8	5.0	4.8	4.8	5.1	8.2	28	17	11	10

CAL YR	2004	TOTAL	3661.4	MEAN	10.0	MAX	37	MIN	4.5	AC-FT	7260
WTR YR	2005	TOTAL	4644.9	MEAN	12.7	MAX	62	MIN	4.8	AC-FT	9210

MAX DISCH: 68.2 CFS AT 20:15 ON May. 22, 2005 GH 3.15 FT. SHIFT -0.28 FT.
MAX GH: 3.15 FT. AT 20:15 ON May. 22, 2005

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

COTTON CREEK NEAR MINERAL HOT SPRINGS CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

WILD CHERRY CREEK near CRESTONE, CO

LOCATION.--Lat 38°06'01", long 105°46'04", SW ¼ SW ¼ Sec. 33, T.45 N., R.11 E., NMPM, Saguache Co., on right bank, 12 miles SE of Mineral Hot Springs, 8 Miles NW of Crestone.

DRAINAGE AREA.--4.5 mi².

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 December 14, 2004 through March 9, 2005, when station was closed for the winter; November 27-30, December 1-13, 2004, March 12-16, 2005 when the well was frozen; and May 24-31, June 1,2, 2005 when the inlets were plugged and the well was isolated from the stream. Stage discharge relationship affected by ice March 17-19, 22, 27, 31, April 1, 10, 2005. Record good except that for periods of no gage height record, which are poor. Record for days when flow exceeded 32 cfs should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CHECRECO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

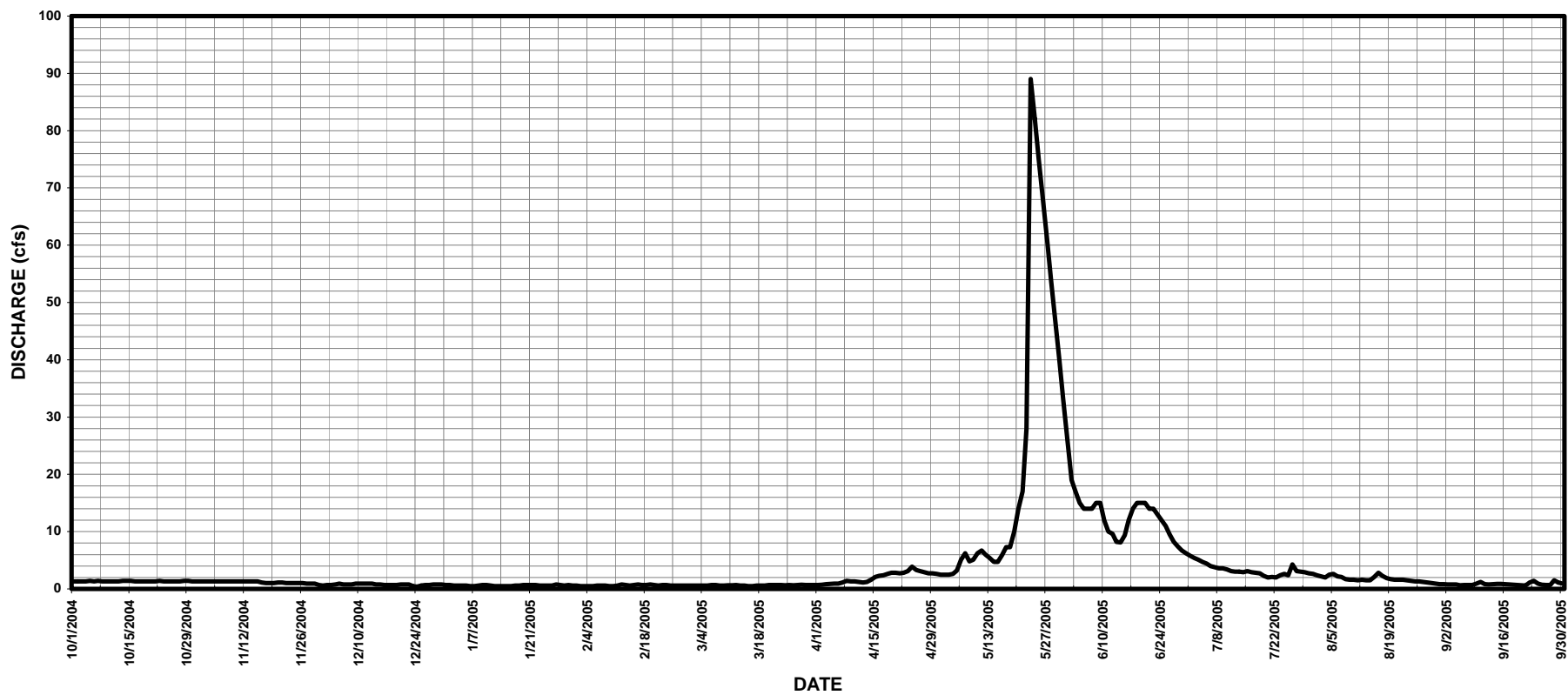
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.3	.60	.70	.60	.60	.70	2.5	26	5.8	2.4	.84
2	1.3	1.3	.70	.60	.50	.60	.75	2.5	19	5.4	2.2	.78
3	1.3	1.3	.70	.60	.50	.60	.82	2.5	17	5.1	2.0	.78
4	1.3	1.3	.80	.60	.50	.60	.89	2.6	15	4.7	2.5	.76
5	1.4	1.3	.90	.60	.50	.60	.90	3.2	14	4.4	2.6	.65
6	1.3	1.3	.80	.50	.60	.70	.94	5.1	14	4.0	2.2	.67
7	1.4	1.3	.80	.50	.60	.70	1.1	6.2	14	3.8	2.1	.69
8	1.3	1.3	.80	.60	.60	.60	1.4	4.8	15	3.6	1.7	.66
9	1.3	1.3	.90	.70	.50	.60	1.3	5.1	15	3.6	1.6	.92
10	1.3	1.3	.90	.70	.50	.63	1.3	6.2	12	3.4	1.6	1.2
11	1.3	1.3	.90	.60	.60	.65	1.2	6.7	10	3.1	1.5	.85
12	1.3	1.3	.90	.50	.80	.70	1.1	6.0	9.6	3.0	1.6	.80
13	1.4	1.3	.90	.50	.70	.60	1.2	5.4	8.2	3.0	1.5	.82
14	1.4	1.3	.80	.50	.60	.60	1.6	4.7	8.1	2.9	1.5	.86
15	1.4	1.3	.80	.50	.70	.50	2.1	4.7	9.4	3.1	2.1	.87
16	1.3	1.1	.70	.50	.80	.50	2.3	5.9	12	2.9	2.8	.87
17	1.3	1.0	.70	.60	.70	.60	2.4	7.3	14	2.8	2.3	.76
18	1.3	1.0	.70	.60	.70	.60	2.6	7.3	15	2.7	1.9	.71
19	1.3	1.0	.70	.70	.80	.60	2.8	10	15	2.3	1.7	.69
20	1.3	1.1	.80	.70	.70	.68	2.8	14	15	2.0	1.6	.63
21	1.3	1.1	.80	.70	.60	.68	2.7	17	14	2.1	1.6	.58
22	1.4	1.0	.80	.70	.70	.68	2.8	28	14	2.0	1.6	1.1
23	1.3	1.0	.50	.60	.70	.68	3.1	89	13	2.4	1.5	1.4
24	1.3	1.0	.40	.60	.60	.65	3.9	82	12	2.6	1.4	.92
25	1.3	1.0	.60	.60	.60	.70	3.3	75	11	2.4	1.3	.75
26	1.3	1.0	.70	.60	.60	.65	3.1	68	9.5	4.3	1.3	.69
27	1.3	.90	.70	.80	.60	.70	2.9	61	8.2	3.1	1.2	.70
28	1.4	.90	.80	.70	.60	.71	2.7	54	7.4	3.0	1.1	1.5
29	1.4	.90	.80	.60	---	.69	2.7	47	6.7	2.9	1.0	1.1
30	1.3	.70	.80	.70	---	.68	2.6	40	6.2	2.7	.91	.93
31	1.3	---	.70	.60	---	.70	---	33	---	2.6	.85	---
TOTAL	41.1	34.20	23.40	19.00	17.50	19.78	60.00	706.7	379.3	101.7	53.16	25.43
MEAN	1.33	1.14	.75	.61	.63	.64	2.00	22.8	12.6	3.28	1.71	.85
AC-FT	82	68	46	38	35	39	119	1400	752	202	105	50
MAX	1.4	1.3	.90	.80	.80	.71	3.9	89	26	5.8	2.8	1.5
MIN	1.3	.70	.40	.50	.50	.50	.70	2.5	6.2	2.0	.85	.58
CAL YR 2004	TOTAL	880.08	MEAN	2.40	MAX	12	MIN	0.4	AC-FT	1750		
WTR YR 2005	TOTAL	1481.27	MEAN	4.06	MAX	89	MIN	0.4	AC-FT	2940		

MAX DISCH: 99.5 CFS AT 04:00 ON May. 23, 2005 GH 2.39 FT. SHIFT -0.04 FT.

MAX GH: 2.46 FT. AT 19:45 ON Jun. 16, 2005

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

WILD CHERRY CREEK NEAR CRESTONE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

RITO ALTO CREEK near CRESTONE, CO

LOCATION.--Lat 38°04'39", long 105°45'43", in SW1/4NE1/4 Sec. 9, T.44 N., R.11 E., NMPM, Saguache Co., on right bank 12 miles SE of Mineral Hot Springs, 7 miles NW of Crestone.

DRAINAGE AREA.--10.3 mi².

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. High data rate Data Collection Platform installed during WY 2005. Elevation of gage is 8380 ft.

REMARKS.--Water-year record is complete and reliable except for November 30 to December 13, 2004 when the well was frozen and December 14, 2004 to March 9, 2005, when station was closed for the winter. Stage-discharge relation was affected by ice November 2, 3, 22 -29, 2004, March 14-19, 22, 27, 31, April 1, 2, 10-12, 2005. Record is good, except for periods of no gage-height and ice affected data, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RITCRECO3 USED FROM 01-OCT-2004 TO 30-SEP-2005

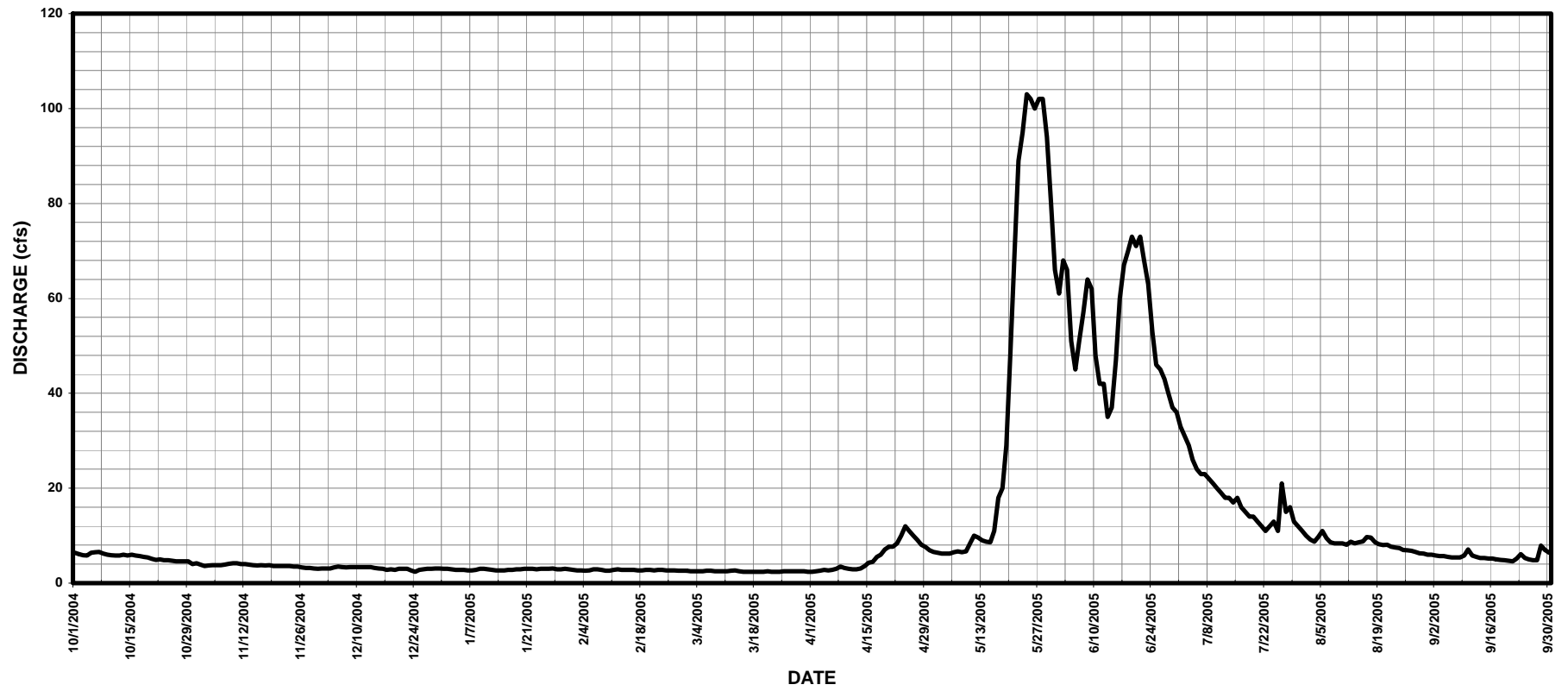
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	3.9	3.1	3.0	2.8	2.6	2.4	6.6	61	33	10	6.0
2	6.1	3.6	3.1	2.9	2.7	2.5	2.5	6.4	68	31	9.2	5.8
3	5.9	3.7	3.1	2.8	2.7	2.5	2.6	6.2	66	29	8.7	5.7
4	5.8	3.8	3.3	2.8	2.6	2.5	2.8	6.2	51	26	9.7	5.7
5	6.4	3.8	3.5	2.8	2.7	2.5	2.7	6.2	45	24	11	5.5
6	6.5	3.8	3.4	2.7	2.9	2.6	2.8	6.5	51	23	9.5	5.4
7	6.6	3.9	3.3	2.7	2.9	2.6	3.0	6.7	57	23	8.6	5.4
8	6.2	4.1	3.4	2.8	2.8	2.5	3.5	6.5	64	22	8.4	5.4
9	6.0	4.2	3.4	3.0	2.6	2.5	3.2	6.7	62	21	8.4	5.8
10	5.9	4.2	3.4	3.0	2.6	2.5	3.0	8.3	48	20	8.4	7.1
11	5.8	4.0	3.4	2.9	2.8	2.5	2.9	10	42	19	8.1	5.8
12	5.8	4.0	3.4	2.8	2.9	2.6	2.9	9.6	42	18	8.7	5.5
13	6.0	3.9	3.4	2.7	2.8	2.7	3.1	9.0	35	18	8.4	5.3
14	5.8	3.8	3.2	2.7	2.8	2.5	3.6	8.7	37	17	8.6	5.3
15	6.0	3.7	3.1	2.7	2.8	2.4	4.3	8.6	47	18	8.8	5.2
16	5.8	3.8	3.0	2.8	2.8	2.4	4.5	11	60	16	9.7	5.2
17	5.7	3.7	2.8	2.8	2.7	2.4	5.5	18	67	15	9.6	5.0
18	5.5	3.8	2.9	2.9	2.7	2.4	6.0	20	70	14	8.6	4.9
19	5.4	3.6	2.8	2.9	2.8	2.4	7.1	29	73	14	8.2	4.8
20	5.1	3.6	3.0	3.0	2.8	2.4	7.7	49	71	13	8.0	4.7
21	4.9	3.6	3.0	3.0	2.7	2.5	7.7	70	73	12	8.1	4.6
22	5.0	3.6	3.0	3.0	2.8	2.4	8.4	89	68	11	7.7	5.2
23	4.8	3.6	2.7	2.9	2.8	2.4	10	95	63	12	7.5	6.1
24	4.8	3.5	2.4	3.0	2.7	2.4	12	103	53	13	7.4	5.3
25	4.7	3.5	2.8	3.0	2.7	2.5	11	102	46	11	7.0	5.0
26	4.6	3.3	2.9	3.0	2.7	2.5	10	100	45	21	6.9	4.8
27	4.6	3.2	3.0	3.1	2.6	2.5	9.1	102	43	15	6.8	4.8
28	4.6	3.2	3.0	2.9	2.6	2.5	8.1	102	40	16	6.6	7.9
29	4.6	3.1	3.1	2.9	---	2.5	7.6	94	37	13	6.3	7.0
30	4.0	3.0	3.1	3.0	---	2.5	6.9	80	36	12	6.2	6.4
31	4.2	---	3.0	2.9	---	2.4	---	66	---	11	6.0	---
TOTAL	169.5	110.5	96.0	89.4	76.8	77.1	166.9	1242.2	1621	561	255.1	166.6
MEAN	5.47	3.68	3.10	2.88	2.74	2.49	5.56	40.1	54.0	18.1	8.23	5.55
AC-FT	336	219	190	177	152	153	331	2460	3220	1110	506	330
MAX	6.6	4.2	3.5	3.1	2.9	2.7	12	103	73	33	11	7.9
MIN	4.0	3.0	2.4	2.7	2.6	2.4	2.4	6.2	35	11	6.0	4.6
CAL YR 2004	TOTAL		3311	MEAN	9.05	MAX	58	MIN	2.3	AC-FT	6570	
WTR YR 2005	TOTAL		4632.1	MEAN	12.7	MAX	103	MIN	2.4	AC-FT	9190	

MAX DISCH: 113 CFS AT 07:30 ON May. 24, 2005 GH 2.96 FT. SHIFT 0.01 FT.
MAX GH: 2.96 FT. AT 07:30 ON May. 24, 2005

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

RITO ALTO CREEK NEAR CRESTONE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

SAN ISABEL CREEK near CRESTONE, CO

LOCATION.--Lat 38°02'04", long 105°43'03", in NW1/4,NW1/4, T.44 N., R.11 E., NMPM, Saguache Co., on left bank 3 miles NW of Crestone.

DRAINAGE AREA.--5.7 mi².

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 29 through December 21, 2004 when the well was frozen; December 22, 2004 through March 30, 2005, when station was closed for winter; May 29 through June 3, 2005, when the inlets were buried. Gage-height was affected by ice on November 2, 27, 2004, April 1, 2005. Record good, except during periods of no stage data and ice effect, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANCRECO2 USED FROM 01-OCT-2004 TO 30-SEP-2005

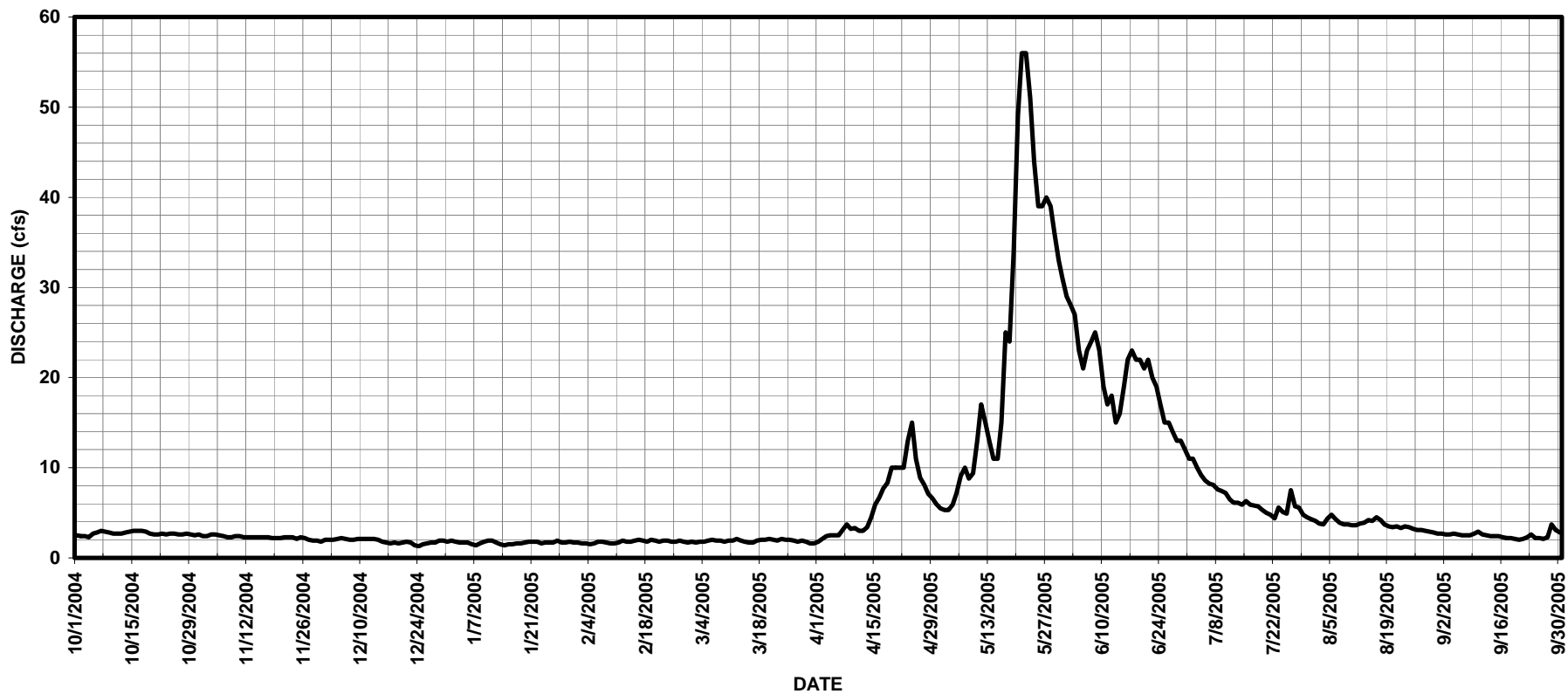
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.4	2	1.9	1.7	1.8	1.8	5.5	29	11	4.1	2.7
2	2.4	2.4	2	1.8	1.6	1.7	2.1	5.3	28	11	3.8	2.6
3	2.4	2.6	2	1.7	1.6	1.8	2.4	5.3	27	10	3.7	2.6
4	2.3	2.6	2.1	1.7	1.5	1.8	2.5	5.9	23	9.2	4.4	2.7
5	2.7	2.5	2.2	1.7	1.6	1.9	2.5	7.2	21	8.6	4.8	2.6
6	2.8	2.4	2.1	1.5	1.8	2	2.5	9.1	23	8.2	4.3	2.5
7	3	2.3	2	1.4	1.8	1.9	3.1	10	24	8.1	3.9	2.5
8	2.9	2.3	2	1.6	1.7	1.9	3.7	8.8	25	7.6	3.7	2.5
9	2.8	2.4	2.1	1.8	1.6	1.8	3.2	9.4	23	7.4	3.7	2.7
10	2.7	2.4	2.1	1.9	1.6	1.9	3.3	13	19	7.2	3.6	2.9
11	2.7	2.3	2.1	1.9	1.7	1.9	3	17	17	6.5	3.6	2.6
12	2.7	2.3	2.1	1.7	1.9	2.1	3	15	18	6.1	3.8	2.5
13	2.8	2.3	2.1	1.5	1.8	1.9	3.4	13	15	6.1	3.9	2.4
14	2.9	2.3	2	1.4	1.8	1.8	4.5	11	16	5.9	4.2	2.4
15	3	2.3	1.8	1.5	1.9	1.7	5.9	11	19	6.3	4.1	2.4
16	3	2.3	1.7	1.5	2	1.7	6.7	15	22	5.9	4.5	2.3
17	3	2.3	1.6	1.6	1.9	1.9	7.7	25	23	5.8	4.2	2.2
18	2.9	2.2	1.7	1.6	1.8	2	8.3	24	22	5.7	3.7	2.2
19	2.7	2.2	1.6	1.7	2	2	10	34	22	5.3	3.5	2.1
20	2.6	2.2	1.7	1.8	1.9	2.1	10	49	21	5	3.4	2
21	2.6	2.3	1.8	1.8	1.8	2	10	56	22	4.8	3.5	2.1
22	2.7	2.3	1.7	1.8	1.9	1.9	10	56	20	4.4	3.3	2.3
23	2.6	2.3	1.4	1.6	1.9	2.1	13	51	19	5.6	3.5	2.6
24	2.7	2.1	1.3	1.7	1.8	2	15	44	17	5.1	3.4	2.2
25	2.7	2.3	1.5	1.7	1.8	2	11	39	15	4.9	3.2	2.2
26	2.6	2.2	1.6	1.7	1.9	1.9	8.9	39	15	7.5	3.1	2.1
27	2.6	2	1.7	1.9	1.8	1.8	8.1	40	14	5.7	3.1	2.3
28	2.7	1.9	1.7	1.7	1.7	1.9	7.1	39	13	5.6	3	3.7
29	2.6	1.9	1.9	1.7	---	1.8	6.6	36	13	4.8	2.9	3.1
30	2.5	1.8	1.9	1.8	---	1.6	6	33	12	4.5	2.8	2.8
31	2.6	---	1.8	1.7	---	1.6	---	31	---	4.3	2.7	---
TOTAL	83.7	68.1	57.3	52.3	49.8	58.2	185.3	757.5	597	204.1	113.4	74.8
MEAN	2.7	2.3	1.9	1.7	1.8	1.9	6.2	24.4	20	6.6	3.7	2.5
AC-FT	166	135	114	104	99	115	368	1500	1180	405	225	148
MAX	3	2.6	2.2	1.9	2	2.1	15	56	29	11	4.8	3.7
MIN	2.3	1.8	1.3	1.4	1.5	1.6	1.8	5.3	12	4.3	2.7	2
CAL YR 2004	TOTAL	1852.9	MEAN	5.06	MAX	28	MIN	1.1	AC-FT	3680		
WTR YR 2005	TOTAL	2301.5	MEAN	6.31	MAX	56	MIN	1.3	AC-FT	4570		

MAX DISCH: 73 CFS AT 19:15 ON May. 22, 2005 GH 4.68 FT. SHIFT 0.18 FT.
MAX GH: 4.68 FT. AT 19:15 ON May. 22, 2005

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

SAN ISABEL CREEK NEAR CRESTONE CO
WY2005 HYDROGRAPH



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 mi². Aug. 1910-Sept. 1912, Jun. 1914 to current year. Monthly discharge only for some periods. Water-quality data available, Apr. 1993-Sep. 1995.

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring equipment including an air temperature sensor and a tipping bucket rain gage in a metal pipe shelter and well. The existing manned cableway was removed and a new Tacoma bank-operated cableway system was installed at this site in August 2003. 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. 25, 27, 2004 through Mar. 4, 2005. 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-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

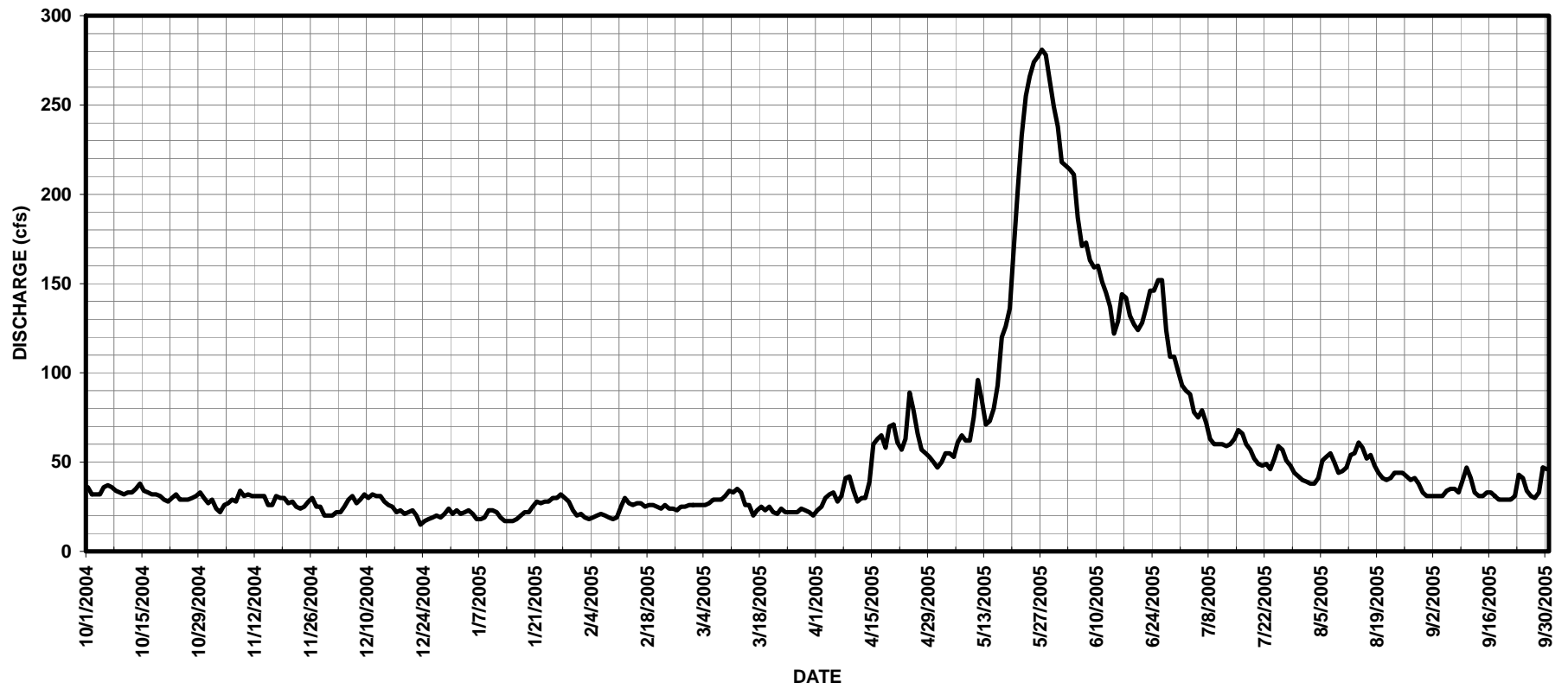
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	29	20	23	21	26	23	47	218	93	39	31
2	32	24	22	21	19	26	25	50	216	90	38	31
3	32	22	22	22	18	26	30	55	214	88	38	31
4	32	26	25	23	19	26	32	55	211	78	41	31
5	36	27	29	21	20	27	33	53	187	75	51	34
6	37	29	31	18	21	29	28	61	171	79	53	35
7	36	28	27	18	20	29	31	65	173	72	55	35
8	34	34	29	19	19	29	41	62	163	63	50	33
9	33	31	32	23	18	31	42	62	159	60	44	40
10	32	32	30	23	19	34	34	75	160	60	45	47
11	33	31	32	22	25	33	28	96	151	60	47	41
12	33	31	31	19	30	35	30	85	145	59	54	33
13	35	31	31	17	27	33	30	71	137	60	55	31
14	38	31	28	17	26	26	39	73	122	63	61	31
15	34	26	26	17	27	26	60	80	129	68	58	33
16	33	26	25	18	27	20	63	93	144	66	52	33
17	32	31	22	20	25	23	65	120	142	60	54	31
18	32	30	23	22	26	25	58	126	132	57	48	29
19	31	30	21	22	26	23	70	136	127	52	44	29
20	29	27	22	25	25	25	71	169	124	49	41	29
21	28	28	23	28	24	22	61	203	128	48	40	29
22	30	25	20	27	26	21	57	233	136	49	41	31
23	32	24	15	28	24	24	63	255	146	46	44	43
24	29	25	17	28	24	22	89	266	146	52	44	41
25	29	28	18	30	23	22	79	274	152	59	44	34
26	29	30	19	30	25	22	66	277	152	57	42	31
27	30	25	20	32	25	22	57	281	124	51	40	30
28	31	25	19	30	26	24	55	278	109	48	41	33
29	33	20	21	28	---	23	53	263	109	44	38	47
30	30	20	24	23	---	22	50	249	101	42	33	46
31	27	---	21	20	---	20	---	238	---	40	31	---
TOTAL	998	826	745	714	655	796	1463	4451	4528	1888	1406	1033
MEAN	32	28	24	23	23	26	49	144	151	61	45	34
AC-FT	1980	1640	1480	1420	1300	1580	2900	8830	8980	3740	2790	2050
MAX	38	34	32	32	30	35	89	281	218	93	61	47
MIN	27	20	15	17	18	20	23	47	101	40	31	29

CAL YR	2004	TOTAL	17660	MEAN	48.4	MAX	161	MIN	13	AC-FT	35030
WTR YR	2005	TOTAL	19503	MEAN	53.4	MAX	281	MIN	15	AC-FT	38680

MAX DISCH: 289 CFS AT 10:30 ON May. 27, 2005 GH 2.92 FT. SHIFT 0.11 FT.
MAX GH: 2.92 FT. AT 10:30 ON May. 27, 2005

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

08227000 SAGUACHE CREEK NEAR SAGUACHE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO

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

DRAINAGE AREA.--10.7 mi².

GAGE.--Graphic water-stage recorder in a timber shelter and well. Data collection platform and shaft encoder installed June 05, 2003. New gage with same equipment, about 130 feet downstream, with corrugated metal shelter and 36 inch concrete well put in operation April 27, 2005. Altitude of gage is 8,360 ft from topographic map.

REMARKS.--Record is complete and reliable except for December 1, 2004 through January 19, 2005 when the well was frozen, and January 20, 2005 through March 17, 2005 when the station was closed for the winter. Stage-discharge relation was affected by ice November 27-30, 2004 and April 1, 2005. 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.--NOCRESCO10 USED FROM 01-OCT-2004 TO 26-APR-2005
 NOCRESCO11TMP USED FROM 27-APR-2005 TO 30-SEP-2005

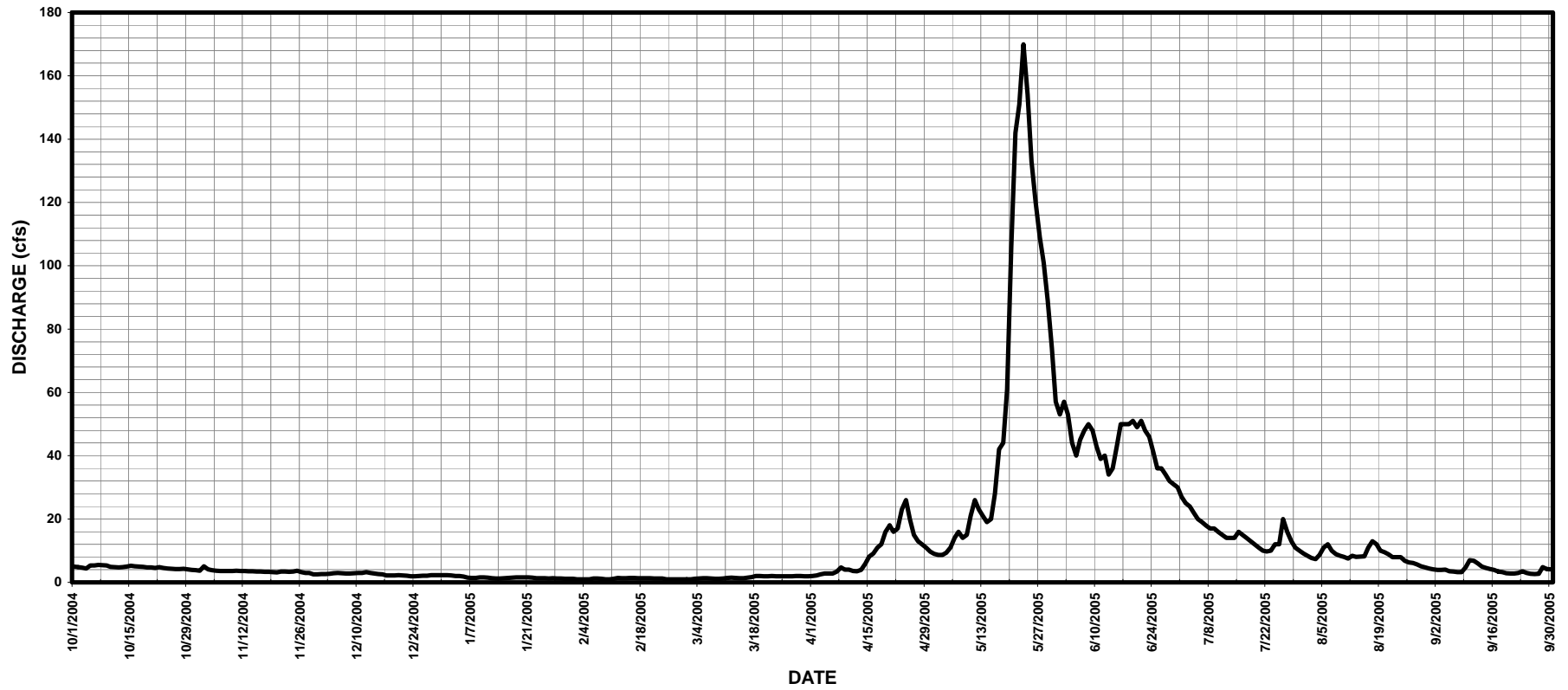
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5	3.7	2.6	2.3	1.1	1	2	9	53	27	8.4	4.1
2	4.8	5.1	2.6	2.2	1	1	2.2	8.6	57	25	7.7	3.9
3	4.6	4.1	2.7	2	1	1.1	2.5	8.6	53	24	7.3	3.9
4	4.4	3.8	2.9	2	1	1.2	2.8	9.3	44	22	8.6	4
5	5.3	3.7	3	1.8	1	1.3	2.8	11	40	20	11	3.5
6	5.3	3.6	2.9	1.5	1.2	1.3	2.8	14	45	19	12	3.4
7	5.5	3.6	2.8	1.4	1.2	1.2	3.4	16	48	18	10	3.2
8	5.4	3.6	2.8	1.4	1.1	1.1	4.7	14	50	17	8.9	3.2
9	5.3	3.6	2.9	1.6	1	1.1	4	15	48	17	8.4	4.8
10	4.9	3.7	3	1.6	1	1.2	4	21	43	16	8	7
11	4.8	3.6	3	1.5	1.1	1.4	3.6	26	39	15	7.5	6.8
12	4.7	3.6	3.2	1.3	1.4	1.5	3.5	23	40	14	8.4	5.9
13	4.8	3.5	3	1.2	1.3	1.4	3.9	21	34	14	8	5
14	5	3.5	2.8	1.2	1.3	1.3	5.8	19	36	14	8.1	4.5
15	5.2	3.4	2.6	1.3	1.4	1.3	8.1	20	43	16	8.2	4.2
16	5.1	3.4	2.5	1.4	1.4	1.5	9.1	28	50	15	11	3.9
17	5	3.3	2.2	1.5	1.3	1.7	11	42	50	14	13	3.4
18	4.9	3.3	2.2	1.6	1.3	2	12	44	50	13	12	3.2
19	4.7	3.2	2.2	1.6	1.3	2	16	61	51	12	10	2.9
20	4.7	3.1	2.3	1.6	1.3	1.9	18	106	49	11	9.5	2.8
21	4.5	3.4	2.2	1.6	1.2	1.9	16	142	51	10	8.8	2.8
22	4.8	3.4	2.1	1.5	1.2	2	17	151	48	9.8	7.9	3
23	4.5	3.3	1.9	1.3	1.2	1.9	23	170	46	10	7.9	3.5
24	4.4	3.4	1.9	1.3	1	1.9	26	154	41	12	7.9	3
25	4.3	3.7	2	1.3	1	1.9	20	133	36	12	6.8	2.7
26	4.2	3.2	2.1	1.2	1	1.9	15	120	36	20	6.3	2.6
27	4.2	3	2.1	1.3	1	1.9	13	109	34	16	6.1	2.7
28	4.3	3	2.3	1.2	1	2	12	101	32	13	5.7	4.8
29	4.1	2.5	2.3	1.2	---	2	11	89	31	11	5.1	4.2
30	3.9	2.5	2.3	1.1	---	1.9	9.7	74	30	10	4.7	4.1
31	3.8	---	2.3	1.1	---	1.9	---	57	---	9.1	4.4	---
TOTAL	146.4	103.8	77.7	46.1	32.3	48.7	284.9	1816.5	1308	475.9	257.6	117
MEAN	4.7	3.5	2.5	1.5	1.2	1.6	9.5	58.6	44	15.4	8.3	3.9
AC-FT	290	206	154	91	64	97	565	3600	2590	944	511	232
MAX	5.5	5.1	3.2	2.3	1.4	2	26	170	57	27	13	7
MIN	3.8	2.5	1.9	1.1	1	1	2	8.6	30	9.1	4.4	2.6
CAL YR 2004	TOTAL	3295	MEAN	9.0	MAX	60	MIN	1.4	AC-FT	6540		
WTR YR 2005	TOTAL	4714.9	MEAN	12.9	MAX	170	MIN	1	AC-FT	9350		

MAX DISCH: 231 CFS AT 20:44 ON May. 22, 2005 GH 2.57 FT. SHIFT -0.03 FT.
 MAX GH: 2.57 FT. AT 20:44 ON May. 22, 2005

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

08227500 NORTH CRESTONE CREEK NEAR CRESTONE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

SOUTH CRESTONE CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°58'55", long 105°42'41", in NE1/4SW1/4 Sec. 12, T.43 N., R.11 E., NMPM, Saguache Co., on right bank, 1 mile SE of Crestone.

DRAINAGE AREA.--4.6 mi².

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: October 30, November 1, 2, 15, 16, 18-27, 29, 2004, March 5-18, April 5-13, September 19-22, 24-28, 2005, when the well was isolated. March 18-April 5, 2005, when the float sank. Stage-discharge relation affected by ice November 3, 28, 2004. There was no flow for 78 days this water year. Record good, except for periods of missing or unreliable gage-height data, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SOUCRECO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

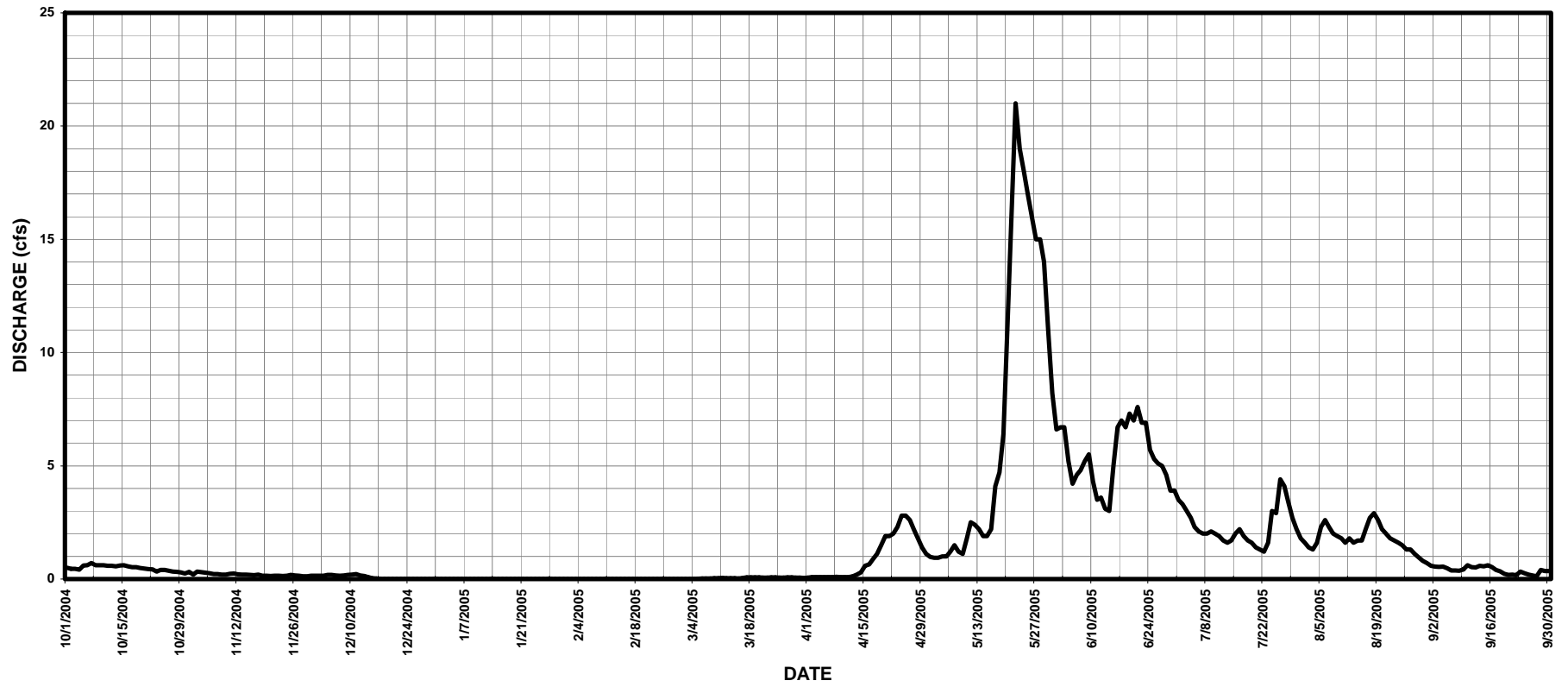
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.50	.20	.14	0	0	0	.06	.97	6.6	3.5	1.6	.58
2	.45	.33	.14	0	0	0	.08	.93	6.7	3.3	1.4	.55
3	.45	.30	.14	0	0	0	.09	.93	6.7	3.0	1.3	.53
4	.41	.28	.18	0	0	0	.08	1.0	5.2	2.7	1.6	.55
5	.60	.25	.18	0	0	.01	.08	1.0	4.2	2.3	2.3	.47
6	.61	.22	.16	0	0	.02	.08	1.2	4.6	2.1	2.6	.38
7	.71	.22	.15	0	0	.02	.09	1.5	4.8	2.0	2.3	.38
8	.61	.20	.16	0	0	.03	.10	1.2	5.2	2.0	2.0	.36
9	.61	.20	.18	0	0	.04	.09	1.1	5.5	2.1	1.9	.42
10	.61	.23	.20	0	0	.04	.09	1.8	4.3	2.0	1.8	.61
11	.58	.24	.22	0	0	.05	.09	2.5	3.5	1.9	1.6	.52
12	.58	.21	.16	0	0	.04	.12	2.4	3.6	1.7	1.8	.51
13	.56	.20	.13	0	0	.04	.20	2.2	3.1	1.6	1.6	.58
14	.60	.20	.08	0	0	.04	.29	1.9	3.0	1.7	1.7	.56
15	.61	.18	.04	0	0	.02	.58	1.9	5.0	2.0	1.7	.61
16	.56	.17	.02	0	0	.05	.65	2.2	6.7	2.2	2.2	.52
17	.52	.20	0	0	0	.07	.89	4.1	7.0	1.9	2.7	.40
18	.52	.15	0	0	0	.07	1.1	4.7	6.7	1.7	2.9	.34
19	.49	.14	0	0	0	.07	1.5	6.4	7.3	1.6	2.6	.23
20	.46	.13	0	0	0	.07	1.9	11	7.0	1.4	2.2	.18
21	.44	.14	0	0	0	.06	1.9	16	7.6	1.3	2.0	.20
22	.42	.14	0	0	0	.06	2.0	21	6.9	1.2	1.8	.17
23	.33	.13	0	0	0	.07	2.3	19	6.9	1.6	1.7	.33
24	.40	.15	0	0	0	.07	2.8	18	5.7	3.0	1.6	.26
25	.40	.18	0	0	0	.06	2.8	17	5.3	2.9	1.5	.20
26	.36	.16	0	0	0	.06	2.6	16	5.1	4.4	1.3	.16
27	.33	.14	0	0	0	.07	2.2	15	5.0	4.1	1.3	.12
28	.32	.12	0	0	0	.07	1.8	15	4.6	3.4	1.1	.40
29	.29	.12	0	0	---	.06	1.4	14	3.9	2.7	.95	.35
30	.24	.14	0	0	---	.06	1.1	11	3.9	2.2	.80	.35
31	.32	---	0	0	---	.05	---	8.2	---	1.8	.70	---
TOTAL	14.89	5.67	2.28	0	0	1.37	29.06	221.13	161.6	71.3	54.55	11.82
MEAN	.48	.19	.074	0	0	.044	.97	7.13	5.39	2.30	1.76	.39
AC-FT	30	11	4.5	0	0	2.7	58	439	321	141	108	23
MAX	.71	.33	.22	0	0	.07	2.8	21	7.6	4.4	2.9	.61
MIN	.24	.12	0	0	0	0	.06	.93	3.0	1.2	.70	.12
CAL YR 2004	TOTAL	323.59	MEAN	0.88	MAX	8.5	MIN	0	AC-FT	642		
WTR YR 2005	TOTAL	573.67	MEAN	1.57	MAX	21	MIN	0	AC-FT	1140		

MAX DISCH: 26.1 CFS AT 23:30 ON May. 22, 2005 GH 1.84 FT. SHIFT 0.01 FT.
MAX GH: 1.84 FT. AT 23:30 ON May. 22, 2005

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

SOUTH CRESTONE CREEK NEAR CRESTONE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN
 CLOSED BASIN IN SAN LUIS VALLEY
 WILLOW CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°57'29", long 105°41'59", in SE1/4NW1/4 Sec. 20, T.43 N., R.12 E., NMPM, Saguache Co. on right bank, 2 miles SE of Crestone.

DRAINAGE AREA.--8.0 mi².

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 is complete and reliable for the year except November 27 - December 21, 2004 when the well was frozen; and December 22, 2004 to April 5, 2005 when the station was closed for the winter. Stage-discharge relation was affected by ice November 2, 3, 23-26, 2004, and April 10-12, 2005. Record good, except for periods of no gage height and ice affected stage data, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WILCRECO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

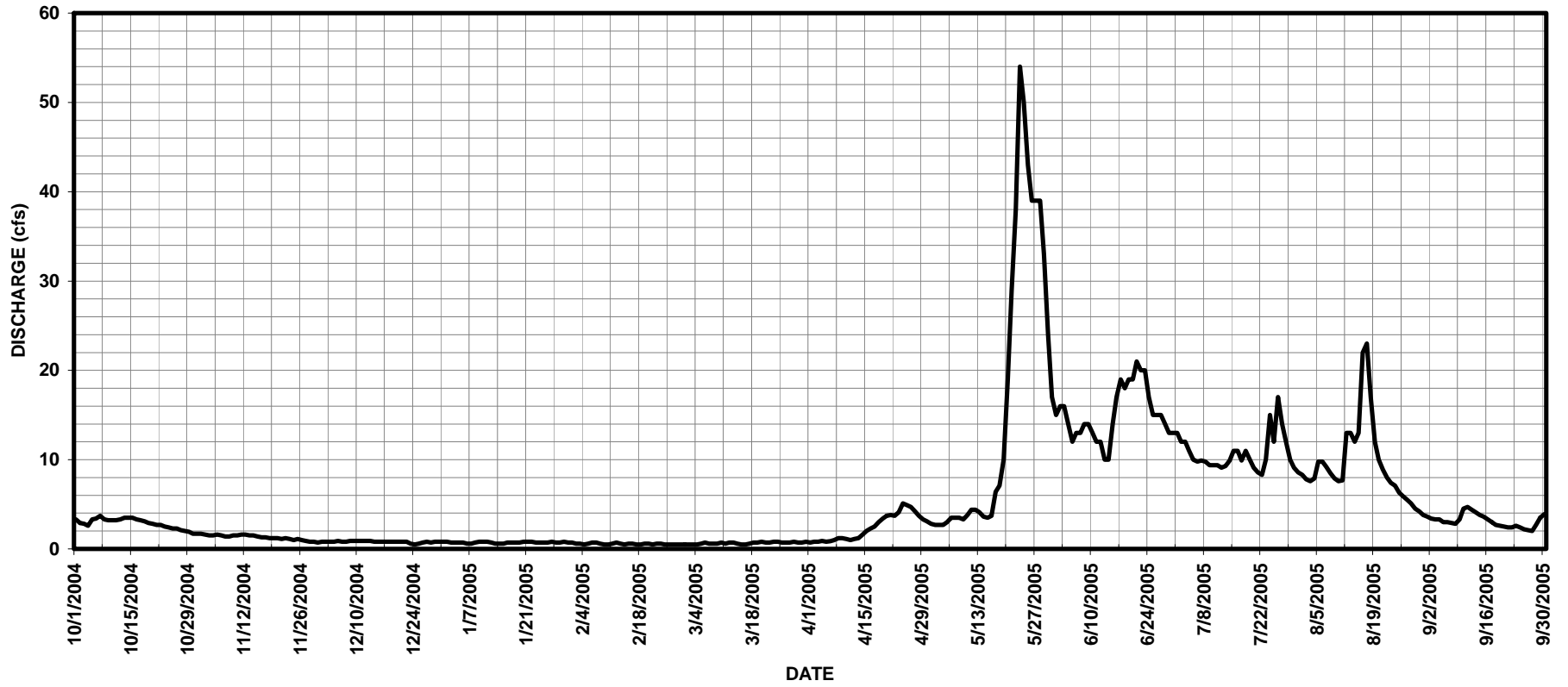
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	1.7	.80	.80	.70	.50	.70	2.8	15	13	8.3	3.6
2	2.9	1.6	.80	.70	.60	.50	.80	2.7	16	12	7.8	3.4
3	2.8	1.5	.80	.70	.60	.50	.80	2.7	16	12	7.6	3.3
4	2.6	1.5	.80	.70	.50	.50	.90	2.7	14	11	7.9	3.3
5	3.3	1.6	.90	.70	.60	.60	.80	3.0	12	10	9.8	3.0
6	3.4	1.5	.80	.60	.70	.70	.86	3.5	13	9.8	9.8	3.0
7	3.7	1.4	.80	.60	.70	.60	.99	3.5	13	9.9	9.2	2.9
8	3.3	1.4	.90	.70	.60	.60	1.2	3.5	14	9.8	8.5	2.8
9	3.2	1.5	.90	.80	.50	.60	1.2	3.3	14	9.4	7.9	3.3
10	3.2	1.5	.90	.80	.50	.70	1.1	3.8	13	9.4	7.6	4.5
11	3.2	1.6	.90	.80	.60	.60	1.0	4.4	12	9.4	7.7	4.7
12	3.3	1.6	.90	.70	.70	.70	1.1	4.4	12	9.1	13	4.4
13	3.5	1.5	.90	.60	.60	.70	1.2	4.1	10	9.3	13	4.1
14	3.5	1.5	.80	.60	.50	.60	1.6	3.6	10	9.9	12	3.8
15	3.5	1.4	.80	.60	.60	.50	2.0	3.5	14	11	13	3.6
16	3.3	1.3	.80	.70	.60	.50	2.3	3.7	17	11	22	3.3
17	3.2	1.3	.80	.70	.50	.60	2.5	6.4	19	9.9	23	3.0
18	3.1	1.2	.80	.70	.50	.70	3.0	7.1	18	11	17	2.7
19	2.9	1.2	.80	.70	.60	.70	3.4	10	19	10	12	2.6
20	2.8	1.2	.80	.80	.60	.80	3.7	19	19	9.1	10	2.5
21	2.7	1.1	.80	.80	.50	.70	3.8	29	21	8.6	8.9	2.4
22	2.7	1.2	.80	.80	.60	.70	3.7	38	20	8.3	8.0	2.4
23	2.5	1.1	.60	.70	.60	.80	4.1	54	20	10	7.4	2.6
24	2.4	1.0	.50	.70	.50	.80	5.1	50	17	15	7.1	2.4
25	2.3	1.1	.60	.70	.50	.70	4.9	43	15	12	6.3	2.2
26	2.3	1.0	.70	.70	.50	.70	4.7	39	15	17	5.9	2.1
27	2.1	.90	.80	.80	.50	.70	4.2	39	15	14	5.5	2.0
28	2.0	.80	.70	.70	.50	.80	3.7	39	14	12	5.1	2.7
29	1.9	.80	.80	.70	---	.70	3.3	33	13	10	4.5	3.5
30	1.7	.70	.80	.80	---	.70	3.1	24	13	9.1	4.2	3.9
31	1.7	---	.80	.70	---	.80	---	17	---	8.6	3.8	---
TOTAL	88.3	38.70	24.60	22.10	16.00	20.30	71.75	502.7	453	330.6	293.8	94.0
MEAN	2.85	1.29	.79	.71	.57	.65	2.39	16.2	15.1	10.7	9.48	3.13
AC-FT	175	77	49	44	32	40	142	997	899	656	583	186
MAX	3.7	1.7	.90	.80	.70	.80	5.1	54	21	17	23	4.7
MIN	1.7	.70	.50	.60	.50	.50	.70	2.7	10	8.3	3.8	2.0

CAL YR	2004	TOTAL	1191.61	MEAN	3.26	MAX	17	MIN	.30	AC-FT	2360
WTR YR	2005	TOTAL	1955.85	MEAN	5.36	MAX	54	MIN	.50	AC-FT	3880

MAX DISCH: 63.9 CFS AT 00:45 ON May. 23, 2005 GH 3.66 FT. SHIFT -0.29 FT.
 MAX GH: 3.66 FT. AT 00:45 ON May. 23, 2005

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

WILLOW CREEK NEAR CRESTONE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

SPANISH CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°57'10", long 105°39'42", in NE1/4SW1/4 Sec. 21, T.43 N., R.12 E., NMPM, Saguache Co., on left bank, 3 ½ miles SE of Crestone.

DRAINAGE AREA.--2.4 mi².

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. The original under-sized inlets were replaced with two-inch inlets on June 23, 2005. Elevation of gage is 8240 ft.

REMARKS.--Record is complete and reliable except for November 27-December 21, 2004, when the stilling well was frozen; December 22, 2004 through April 5, 2005 when the station was closed for winter; and May 23 - June 15, 2005, when inlets were buried and affected hydraulic connection to stream. Record is good except for periods of missing and unreliable stage data, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SPACRECO03 USED FROM 01-OCT-2004 TO 30-SEP-2005

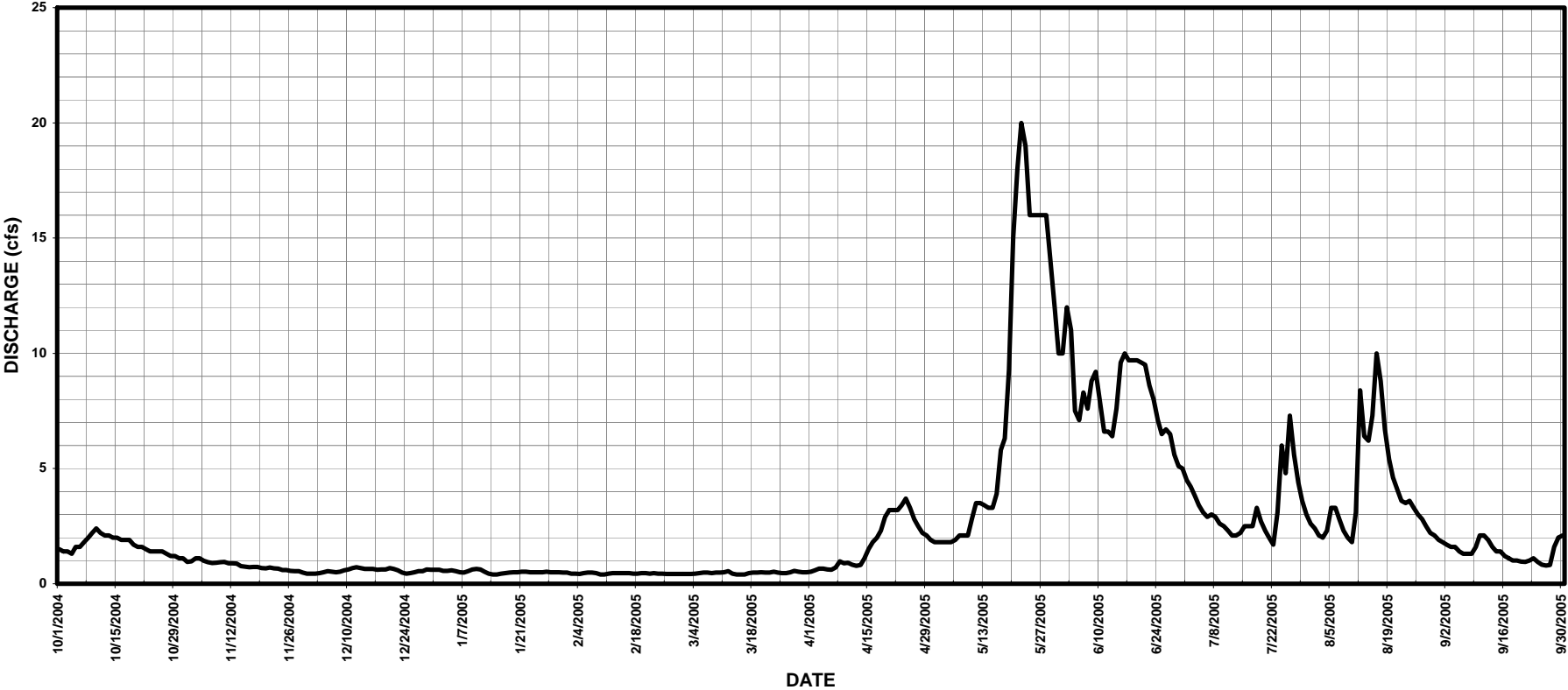
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	.95	.44	.60	.48	.42	.52	1.8	10	4.5	2.4	1.8
2	1.4	.97	.44	.56	.44	.42	.58	1.8	12	4.2	2.1	1.7
3	1.4	1.1	.46	.56	.44	.42	.66	1.8	11	3.8	2.0	1.6
4	1.3	1.1	.50	.58	.42	.44	.66	1.8	7.5	3.4	2.3	1.6
5	1.6	.99	.54	.54	.46	.46	.62	1.8	7.1	3.1	3.3	1.4
6	1.6	.93	.52	.50	.48	.48	.61	1.9	8.3	2.9	3.3	1.3
7	1.8	.90	.50	.48	.48	.48	.70	2.1	7.6	3.0	2.8	1.3
8	2.0	.91	.52	.54	.46	.46	.97	2.1	8.8	2.9	2.3	1.3
9	2.2	.93	.58	.62	.40	.48	.89	2.1	9.2	2.6	2.0	1.6
10	2.4	.94	.62	.64	.40	.48	.91	2.8	7.9	2.5	1.8	2.1
11	2.2	.88	.68	.62	.44	.50	.83	3.5	6.6	2.3	3.1	2.1
12	2.1	.88	.72	.52	.46	.54	.77	3.5	6.6	2.1	8.4	1.9
13	2.1	.87	.68	.44	.46	.44	.81	3.4	6.4	2.1	6.4	1.6
14	2.0	.76	.64	.40	.46	.40	1.1	3.3	7.6	2.2	6.2	1.4
15	2.0	.74	.64	.40	.46	.40	1.5	3.3	9.6	2.5	7.3	1.4
16	1.9	.72	.64	.44	.46	.40	1.8	3.9	10	2.5	10	1.2
17	1.9	.73	.60	.46	.44	.46	2.0	5.8	9.7	2.5	8.8	1.1
18	1.9	.73	.62	.48	.44	.48	2.3	6.3	9.7	3.3	6.7	1.0
19	1.7	.68	.62	.50	.46	.48	2.9	9.3	9.7	2.7	5.4	1.0
20	1.6	.67	.68	.50	.46	.50	3.2	15	9.6	2.3	4.6	.96
21	1.6	.70	.64	.52	.44	.48	3.2	18	9.5	2.0	4.1	.95
22	1.5	.67	.58	.52	.46	.48	3.2	20	8.6	1.7	3.6	1.0
23	1.4	.65	.48	.50	.44	.52	3.4	19	8.0	3.1	3.5	1.1
24	1.4	.59	.44	.50	.44	.48	3.7	16	7.1	6.0	3.6	.95
25	1.4	.59	.46	.50	.42	.46	3.3	16	6.5	4.8	3.3	.83
26	1.4	.56	.50	.50	.42	.46	2.8	16	6.7	7.3	3.0	.79
27	1.3	.54	.54	.52	.42	.50	2.5	16	6.5	5.6	2.8	.81
28	1.2	.54	.54	.50	.42	.56	2.2	16	5.6	4.4	2.5	1.6
29	1.2	.48	.62	.50	---	.52	2.1	14	5.1	3.6	2.2	2.0
30	1.1	.44	.60	.50	---	.50	1.9	12	5.0	3.0	2.1	2.1
31	1.1	---	.60	.48	---	.50	---	10	---	2.6	1.9	---
TOTAL	51.2	23.14	17.64	15.92	12.46	14.60	52.63	250.3	243.5	101.5	123.8	41.49
MEAN	1.65	.77	.57	.51	.45	.47	1.75	8.07	8.12	3.27	3.99	1.38
AC-FT	102	46	35	32	25	29	104	496	483	201	246	82
MAX	2.4	1.1	.72	.64	.48	.56	3.7	20	12	7.3	10	2.1
MIN	1.1	.44	.44	.40	.40	.40	.52	1.8	5.0	1.7	1.8	.79
CAL YR 2004	TOTAL	715.75	MEAN	1.96	MAX	10	MIN	.42	AC-FT	1420		
WTR YR 2005	TOTAL	948.18	MEAN	2.60	MAX	20	MIN	.40	AC-FT	1880		

MAX DISCH: 24.6 CFS AT 21:30 ON May. 22, 2005 GH 3.85 FT. SHIFT -0.11 FT.
MAX GH: 3.85 FT. AT 21:30 ON May. 22, 2005

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

SPANISH CREEK NEAR CRESTONE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

08229500 COTTONWOOD CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°56'51", long 105°39'05", in SE1/4NE1/4 Sec. 22, T.43 N., R.12 E., NMPM, Saguache Co., on left bank, 5 miles SE of Crestone.

DRAINAGE AREA.--5.0 mi².

GAGE.--Electronic shaft encoder and Data Collection Platform (DCP) with satellite transmitter in a 3 ft. by 3 ft. timber shelter and well. This gage is the original gage put in by the USGS in 1936.

REMARKS.--Gage-height record is complete and reliable except for Nov. 3, 27-30, Dec. 1-21, 2004 when well was frozen, and Dec. 22, 2004 through Mar. 30, 2005 when station was closed for the winter. The stage-discharge relation was affected by ice Apr. 1, 2005. Record is good except for periods of no gage-height data, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--COCRESCO04 USED FROM 01-OCT-2004 TO 30-SEP-2005

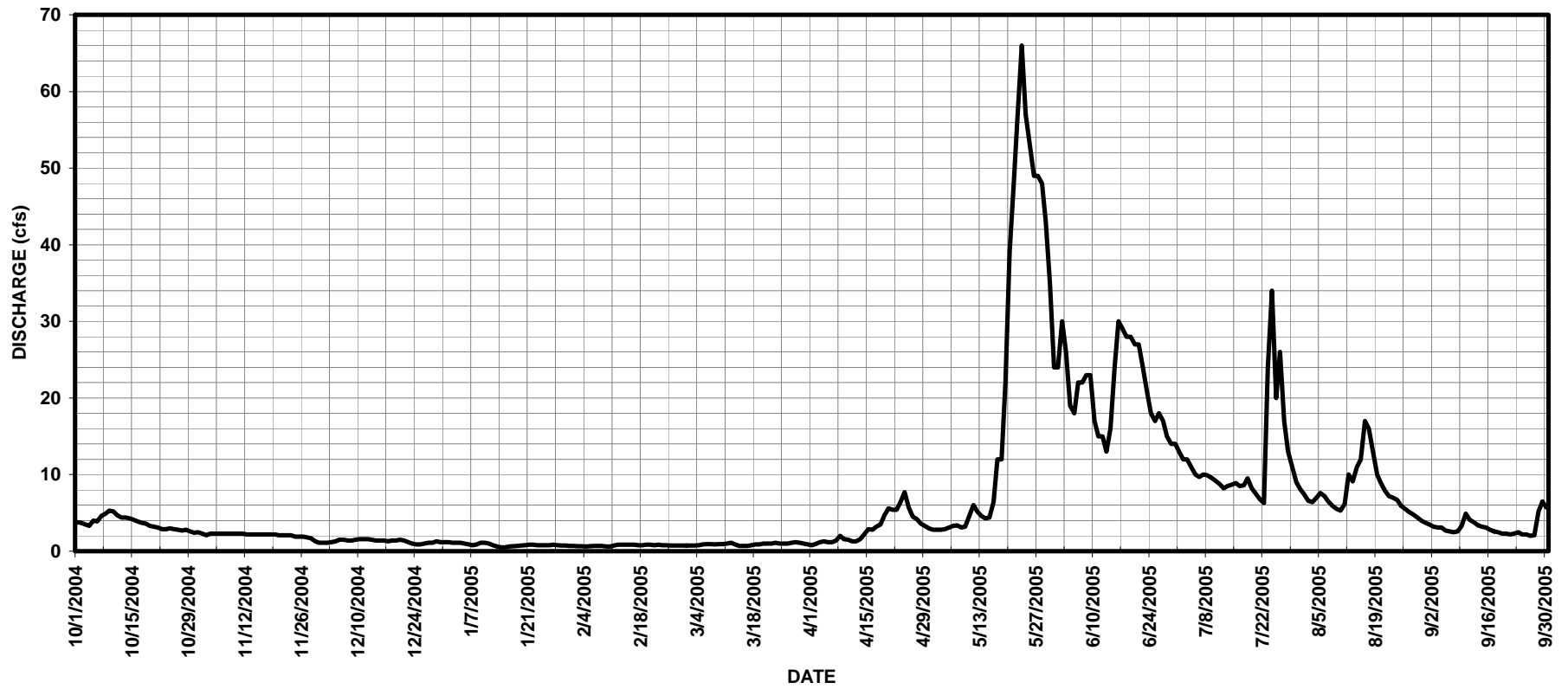
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	2.3	1.1	1.2	.70	.75	.80	2.8	24	13	7.4	3.5
2	3.7	2.1	1.1	1.1	.65	.75	.96	2.8	30	12	6.6	3.2
3	3.5	2.3	1.2	1.1	.65	.75	1.2	2.8	26	12	6.4	3.1
4	3.3	2.3	1.3	1.1	.60	.80	1.3	2.9	19	11	7.0	3.1
5	4.0	2.3	1.5	1.0	.65	.90	1.2	3.1	18	10	7.6	2.7
6	3.9	2.3	1.5	.90	.70	.95	1.2	3.3	22	9.7	7.2	2.6
7	4.6	2.3	1.4	.80	.70	.95	1.4	3.4	22	10	6.5	2.5
8	4.9	2.3	1.4	.90	.70	.90	2.0	3.1	23	9.9	5.9	2.6
9	5.3	2.3	1.5	1.1	.60	.95	1.6	3.2	23	9.6	5.5	3.3
10	5.2	2.3	1.6	1.1	.60	.95	1.5	4.6	17	9.2	5.3	4.9
11	4.7	2.3	1.6	1.0	.75	1.0	1.3	6.0	15	8.8	6.2	4.1
12	4.4	2.2	1.6	.80	.85	1.1	1.3	5.2	15	8.2	10	3.8
13	4.4	2.2	1.5	.60	.85	.90	1.6	4.6	13	8.5	9.1	3.4
14	4.3	2.2	1.4	.50	.85	.70	2.2	4.3	16	8.7	11	3.2
15	4.1	2.2	1.4	.50	.85	.70	2.9	4.4	24	8.9	12	3.1
16	3.9	2.2	1.4	.60	.85	.70	2.8	6.4	30	8.5	17	2.8
17	3.7	2.2	1.3	.65	.80	.80	3.2	12	29	8.6	16	2.6
18	3.6	2.2	1.4	.70	.80	.90	3.5	12	28	9.5	13	2.5
19	3.3	2.2	1.4	.75	.85	.90	4.7	22	28	8.2	10	2.3
20	3.2	2.1	1.5	.80	.85	1.0	5.6	39	27	7.5	8.9	2.3
21	3.1	2.1	1.4	.85	.80	1.0	5.4	48	27	6.8	7.9	2.2
22	2.9	2.1	1.2	.85	.85	1.0	5.4	57	24	6.3	7.2	2.3
23	2.9	2.1	1.0	.80	.80	1.1	6.5	66	21	24	7.0	2.5
24	3.0	1.9	.90	.80	.80	1.0	7.7	57	18	34	6.7	2.2
25	2.9	1.9	.90	.80	.75	1.0	5.7	53	17	20	5.9	2.2
26	2.8	1.9	1.0	.80	.75	1.0	4.5	49	18	26	5.5	2.0
27	2.7	1.8	1.1	.85	.75	1.1	4.2	49	17	17	5.1	2.1
28	2.8	1.7	1.1	.80	.75	1.2	3.6	48	15	13	4.8	5.2
29	2.6	1.3	1.3	.75	---	1.1	3.3	43	14	11	4.4	6.5
30	2.4	1.1	1.2	.75	---	1.0	3.0	35	14	9.0	4.0	5.7
31	2.5	---	1.2	.70	---	.89	---	24	---	8.1	3.7	---
TOTAL	112.4	62.7	40.40	25.95	21.10	28.74	91.56	676.9	634	367.0	240.8	94.5
MEAN	3.63	2.09	1.30	.84	.75	.93	3.05	21.8	21.1	11.8	7.77	3.15
AC-FT	223	124	80	51	42	57	182	1340	1260	728	478	187
MAX	5.3	2.3	1.6	1.2	.85	1.2	7.7	66	30	34	17	6.5
MIN	2.4	1.1	.90	.50	.60	.70	.80	2.8	13	6.3	3.7	2.0
CAL YR 2004	TOTAL	1678.70	MEAN	4.59	MAX	26	MIN	.50	AC-FT	3330		
WTR YR 2005	TOTAL	2396.05	MEAN	6.56	MAX	66	MIN	.50	AC-FT	4750		

MAX DISCH: 105 CFS AT 20:15 ON Jul. 23, 2005 GH 2.99 FT. SHIFT 0.12 FT.
MAX GH: 2.99 FT. AT 20:15 ON Jul. 23, 2005

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

08229500 COTTONWOOD CREEK NEAR CRESTONE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

DEADMAN CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°53'05", long 105°38'47", in NE1/4, SE1/4, Sec. 3, T.42 N., R.12 E., NMPM, Saguache Co., on right bank 8 miles SE of Crestone.

DRAINAGE AREA.--8.4 mi².

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. Inlet pipe re-worked this year. Flume had already existed at the site, and consultant's recording device was there also. Elevation of gage is 7800 ft.

REMARKS.--Record is complete and reliable except for November 27, 2004 through April 18, 2005 when the well was frozen, April 24 through May 9 and May 20-25, 2005 when the inlets were plugged, and satellite system not working from May 9-16, 2005. Stage/discharge relationship affected by ice November 4, 23-24, 2004. 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 Div. III Hydrographic Staff.

RATING TABLE.--DEDCRECO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

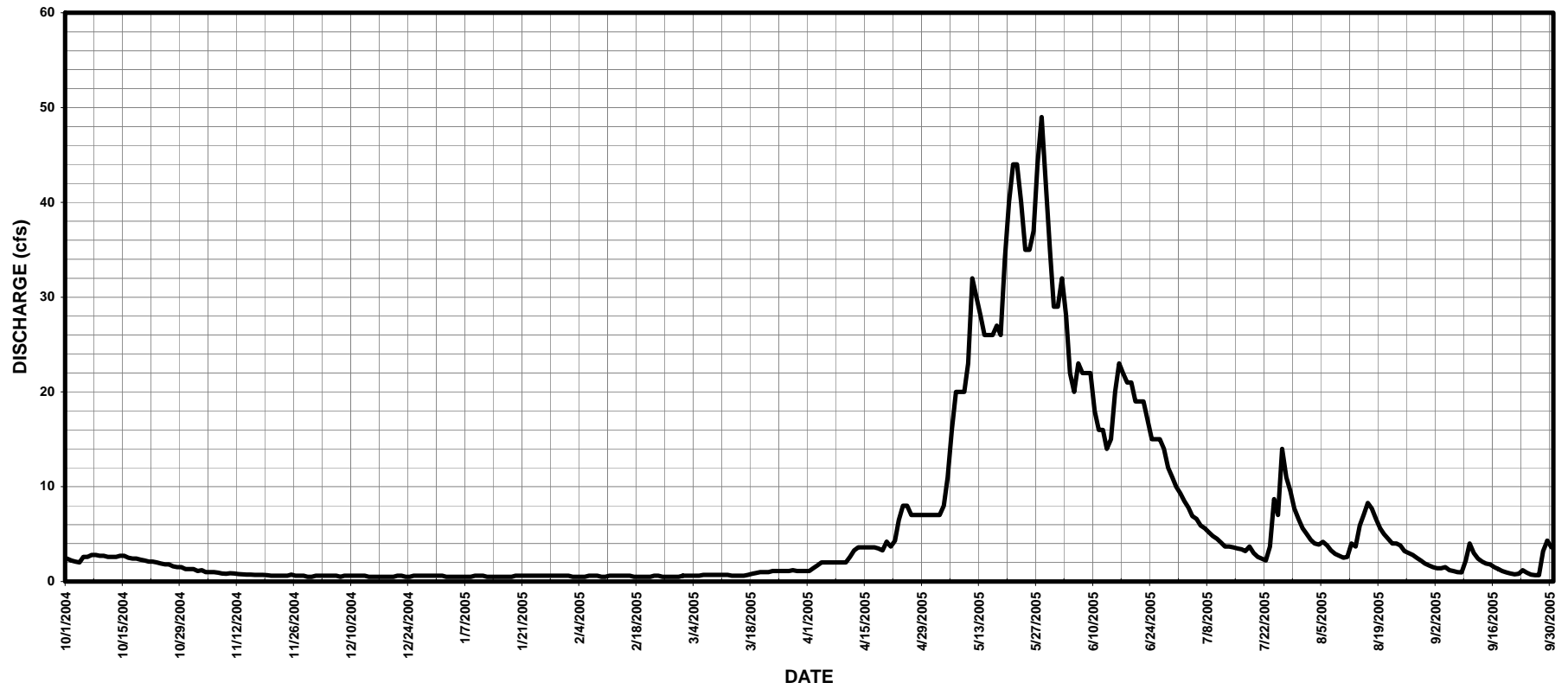
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	1.3	.60	.60	.60	.60	1.1	7.0	29	9.3	5.0	1.5
2	2.2	1.1	.60	.50	.50	.60	1.4	7.0	32	8.5	4.4	1.4
3	2.1	1.2	.60	.50	.50	.60	1.7	7.0	28	7.8	4.0	1.4
4	2.0	1.0	.60	.50	.50	.60	2.0	8.0	22	6.9	3.9	1.5
5	2.6	1.0	.60	.50	.50	.60	2.0	11	20	6.6	4.2	1.2
6	2.6	1.0	.60	.50	.60	.70	2.0	16	23	5.9	3.8	1.1
7	2.8	.92	.50	.50	.60	.70	2.0	20	22	5.6	3.3	1.0
8	2.8	.83	.60	.50	.60	.70	2.0	20	22	5.2	2.9	.96
9	2.7	.82	.60	.60	.50	.70	2.0	20	22	4.8	2.7	2.2
10	2.7	.88	.60	.60	.50	.70	2.0	23	18	4.5	2.5	4.0
11	2.6	.85	.60	.60	.60	.70	2.6	32	16	4.1	2.6	3.0
12	2.6	.79	.60	.50	.60	.70	3.3	30	16	3.7	4.0	2.4
13	2.6	.77	.60	.50	.60	.60	3.6	28	14	3.7	3.7	2.1
14	2.7	.73	.50	.50	.60	.60	3.6	26	15	3.6	5.9	1.9
15	2.7	.74	.50	.50	.60	.60	3.6	26	20	3.5	7.0	1.8
16	2.5	.70	.50	.50	.60	.60	3.6	26	23	3.4	8.3	1.5
17	2.4	.71	.50	.50	.50	.70	3.6	27	22	3.2	7.7	1.3
18	2.4	.70	.50	.50	.50	.80	3.5	26	21	3.7	6.6	1.1
19	2.3	.66	.50	.60	.50	.90	3.3	34	21	3.0	5.6	.97
20	2.2	.61	.50	.60	.50	1.0	4.2	40	19	2.6	5.0	.83
21	2.1	.61	.60	.60	.50	1.0	3.7	44	19	2.4	4.5	.75
22	2.1	.61	.60	.60	.60	1.0	4.3	44	19	2.2	4.0	.80
23	2.0	.60	.50	.60	.60	1.1	6.5	40	17	3.7	4.0	1.2
24	1.9	.60	.50	.60	.50	1.1	8.0	35	15	8.7	3.8	.92
25	1.8	.73	.60	.60	.50	1.1	8.0	35	15	7.0	3.2	.73
26	1.8	.61	.60	.60	.50	1.1	7.0	37	15	14	3.0	.66
27	1.6	.60	.60	.60	.50	1.1	7.0	44	14	11	2.8	.66
28	1.5	.60	.60	.60	.50	1.2	7.0	49	12	9.5	2.5	3.2
29	1.5	.50	.60	.60	---	1.1	7.0	42	11	7.7	2.2	4.3
30	1.3	.50	.60	.60	---	1.1	7.0	35	10	6.6	1.9	3.6
31	1.3	---	.60	.60	---	1.1	---	29	---	5.6	1.7	---
TOTAL	68.8	23.27	17.60	17.20	15.20	25.70	118.6	868.0	572	178.0	126.7	49.98
MEAN	2.22	.78	.57	.55	.54	.83	3.95	28.0	19.1	5.74	4.09	1.67
AC-FT	136	46	35	34	30	51	235	1720	1130	353	251	99
MAX	2.8	1.3	.60	.60	.60	1.2	8.0	49	32	14	8.3	4.3
MIN	1.3	.50	.50	.50	.50	.60	1.1	7.0	10	2.2	1.7	.66
CAL YR 2004	TOTAL	1580.7	MEAN	4.33	MAX	34	MIN	0.27	AC-FT	3140		
WTR YR 2005	TOTAL	2081.05	MEAN	5.7	MAX	49	MIN	0.5	AC-FT	4130		

MAX DISCH: 61.9 CFS AT 21:30 ON May. 27, 2005 GH 1.78 FT. SHIFT 0.03 FT.
MAX GH: 1.78 FT. AT 21:30 ON May. 27, 2005

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

DEADMAN CREEK NEAR CRESTONE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

LITTLE SPRING CREEK AT MEDANO RANCH NEAR MOSCA, CO

LOCATION.--Lat 37°42'49", long 105°38'55", in Alamosa county, in the NE¼SW¼, sec. 15, T.40 N., R.12 E., New Mexico Principal Meridian.

DRAINAGE AREA AND PERIOD OF RECORD.--0.2 mi². Flow primarily due to groundwater accretions. First record produced for water year 2000.

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.

REMARKS.--Record is complete and reliable for the water year, except for November 26, 2004 through April 12, 2005 when the well was frozen and/or the data logger data were lost. The data were lost during this period due to removing data logger from station for download while having a dead internal battery on data logger. Record is fair due to few measurements, and missing data. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LITSPGCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

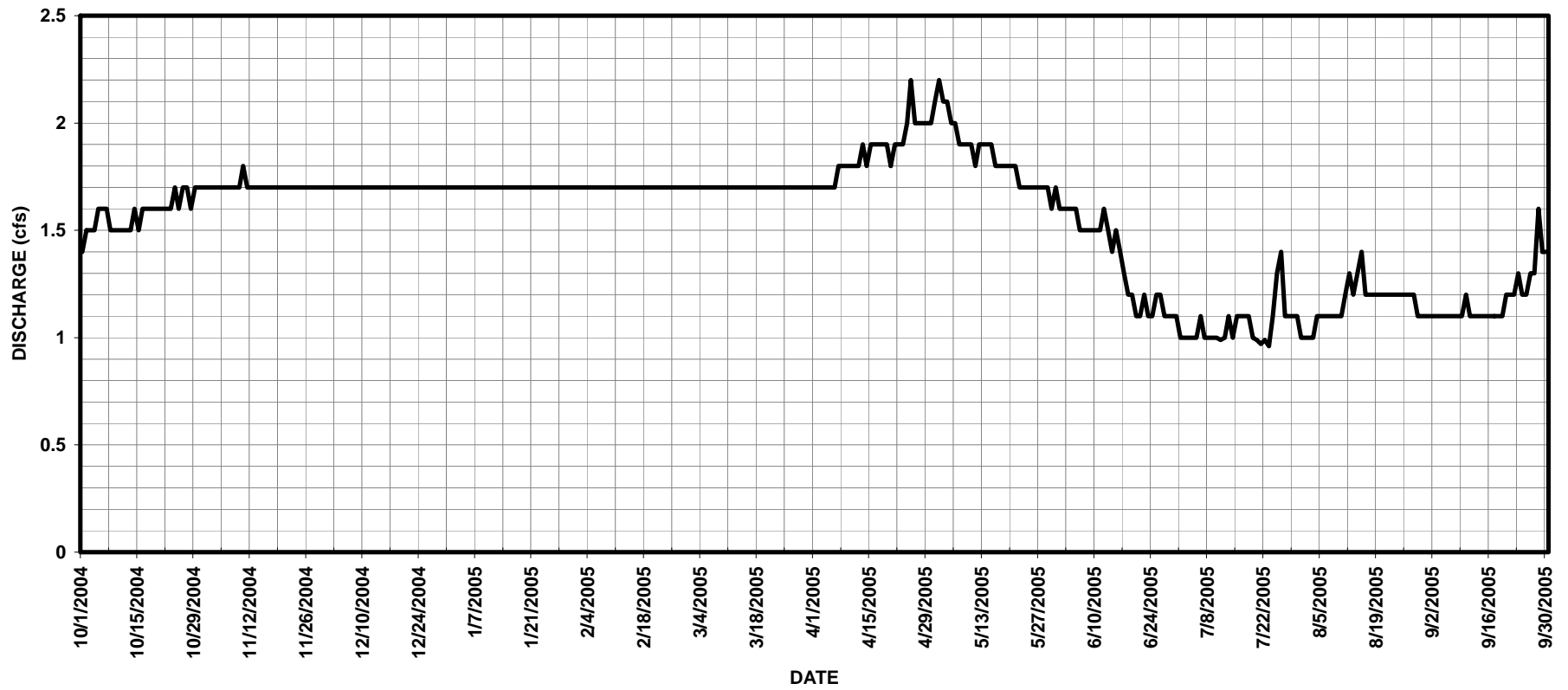
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.7	1.7	1.7	1.7	1.7	1.7	2.1	1.6	1.0	1.0	1.1
2	1.5	1.7	1.7	1.7	1.7	1.7	1.7	2.2	1.6	1.0	1.0	1.1
3	1.5	1.7	1.7	1.7	1.7	1.7	1.7	2.1	1.6	1.0	1.0	1.1
4	1.5	1.7	1.7	1.7	1.7	1.7	1.7	2.1	1.6	1.0	1.1	1.1
5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	2.0	1.6	1.0	1.1	1.1
6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	2.0	1.5	1.1	1.1	1.1
7	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.9	1.5	1.0	1.1	1.1
8	1.5	1.7	1.7	1.7	1.7	1.7	1.8	1.9	1.5	1.0	1.1	1.1
9	1.5	1.7	1.7	1.7	1.7	1.7	1.8	1.9	1.5	1.0	1.1	1.1
10	1.5	1.8	1.7	1.7	1.7	1.7	1.8	1.9	1.5	1.0	1.1	1.2
11	1.5	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.5	.99	1.2	1.1
12	1.5	1.7	1.7	1.7	1.7	1.7	1.8	1.9	1.6	1.0	1.3	1.1
13	1.5	1.7	1.7	1.7	1.7	1.7	1.9	1.9	1.5	1.1	1.2	1.1
14	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.9	1.4	1.0	1.3	1.1
15	1.5	1.7	1.7	1.7	1.7	1.7	1.9	1.9	1.5	1.1	1.4	1.1
16	1.6	1.7	1.7	1.7	1.7	1.7	1.9	1.8	1.4	1.1	1.2	1.1
17	1.6	1.7	1.7	1.7	1.7	1.7	1.9	1.8	1.3	1.1	1.2	1.1
18	1.6	1.7	1.7	1.7	1.7	1.7	1.9	1.8	1.2	1.1	1.2	1.1
19	1.6	1.7	1.7	1.7	1.7	1.7	1.9	1.8	1.2	1.0	1.2	1.1
20	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.1	.99	1.2	1.2
21	1.6	1.7	1.7	1.7	1.7	1.7	1.9	1.8	1.1	.97	1.2	1.2
22	1.6	1.7	1.7	1.7	1.7	1.7	1.9	1.7	1.2	.99	1.2	1.2
23	1.6	1.7	1.7	1.7	1.7	1.7	1.9	1.7	1.1	.96	1.2	1.3
24	1.7	1.7	1.7	1.7	1.7	1.7	2.0	1.7	1.1	1.1	1.2	1.2
25	1.6	1.7	1.7	1.7	1.7	1.7	2.2	1.7	1.2	1.3	1.2	1.2
26	1.7	1.7	1.7	1.7	1.7	1.7	2.0	1.7	1.2	1.4	1.2	1.3
27	1.7	1.7	1.7	1.7	1.7	1.7	2.0	1.7	1.1	1.1	1.2	1.3
28	1.6	1.7	1.7	1.7	1.7	1.7	2.0	1.7	1.1	1.1	1.2	1.6
29	1.7	1.7	1.7	1.7	---	1.7	2.0	1.7	1.1	1.1	1.1	1.4
30	1.7	1.7	1.7	1.7	---	1.7	2.0	1.6	1.1	1.1	1.1	1.4
31	1.7	---	1.7	1.7	---	1.7	---	1.7	---	1.0	1.1	---
TOTAL	49.0	51.1	52.7	52.7	47.6	52.7	55.9	57.2	40.5	32.70	36.0	35.3
MEAN	1.58	1.70	1.70	1.70	1.70	1.70	1.86	1.85	1.35	1.05	1.16	1.18
AC-FT	97	101	105	105	94	105	111	113	80	65	71	70
MAX	1.7	1.8	1.7	1.7	1.7	1.7	2.2	2.2	1.6	1.4	1.4	1.6
MIN	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.1	.96	1.0	1.1

CAL YR	2004	TOTAL	525.8	MEAN	1.44	MAX	1.8	MIN	1.1	AC-FT	1040
WTR YR	2005	TOTAL	563.4	MEAN	1.54	MAX	2.2	MIN	.96	AC-FT	1120

MAX DISCH: 2.73 CFS AT 21:00 ON May. 2, 2005 GH 0.51 FT. SHIFT -0.01 FT.
MAX GH: 0.51 FT. AT 21:00 ON May. 2, 2005

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

LITTLE SPRING CREEK AT MEDANO RANCH NEAR MOSCA CO
WY2005 HYDROGRAPH



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", in NE ¼ NW ¼ Sec. 9, T.40 N., R.12 E., NMPM, Alamosa Co., on left bank approximately ¼ mile above Los Ojos Diversion.

DRAINAGE AREA AND PERIOD OF RECORD.--0.3 mi². First record produced in 1999. Flow primarily due to groundwater accretions.

GAGE.--Two and one-half foot diameter smooth pipe serves as stilling well and instrument shelter. Top of shelter a couple inches above ground level. Recorder is Stevens data logger. Intake pipe attached to stilling well and to 4-foot Parshall Flume. Staff gage attached to flume. Elevation of gage is 7580 ft.

REMARKS.--Record is complete and reliable for the water year, except for November 26, 2004 through April 11, 2005 when the well was frozen and/or the data logger was not working correctly; the data was lost during this period due to removing data logger from station for download and having a dead internal battery on data logger. The flume was submerged during all periods of record. Record is fair to poor due to continued flume submergence, few measurements, and missing data. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--BIGSPGCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

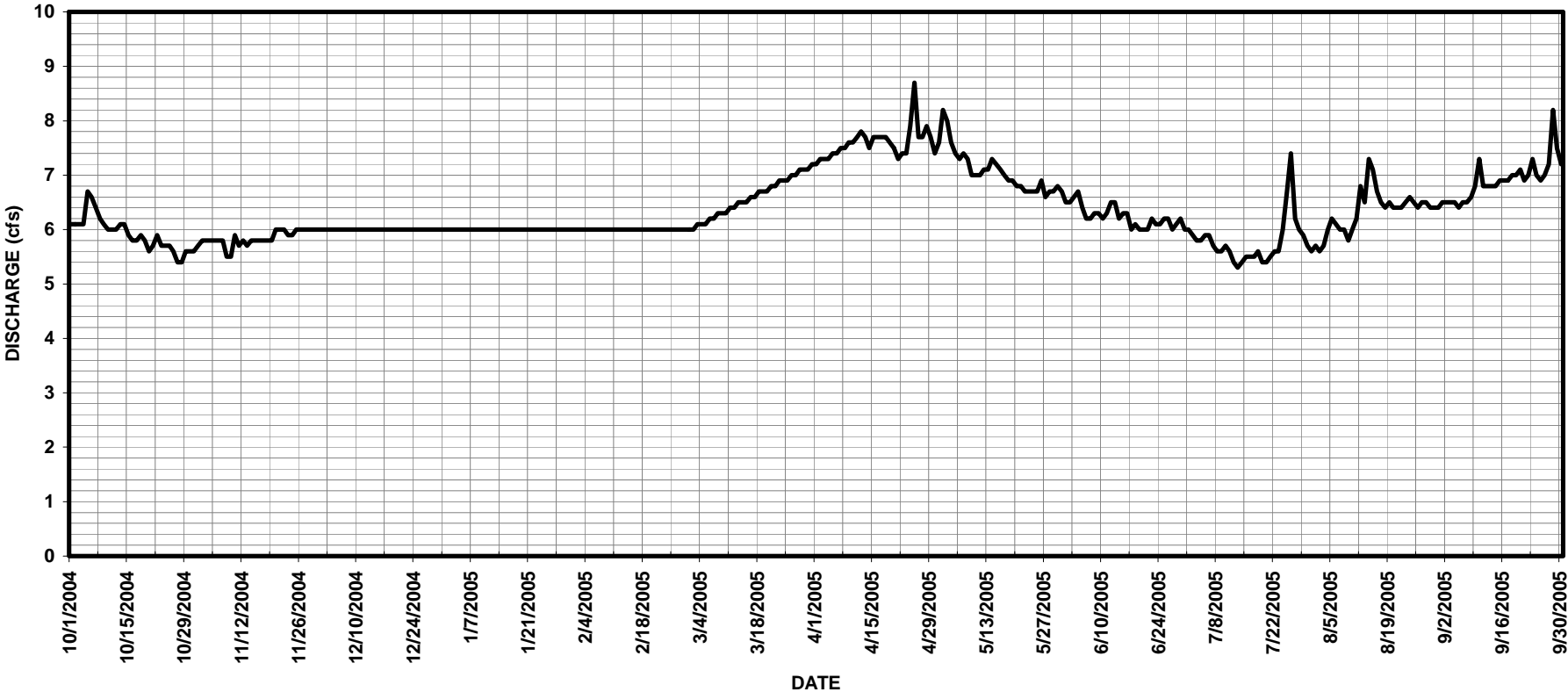
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	5.7	6.0	6.0	6.0	6.0	7.2	7.6	6.5	6.0	5.7	6.5
2	6.1	5.8	6.0	6.0	6.0	6.0	7.3	8.2	6.5	5.9	5.6	6.5
3	6.1	5.8	6.0	6.0	6.0	6.1	7.3	8.0	6.6	5.8	5.7	6.5
4	6.1	5.8	6.0	6.0	6.0	6.1	7.3	7.6	6.7	5.8	6.0	6.5
5	6.7	5.8	6.0	6.0	6.0	6.1	7.4	7.4	6.4	5.9	6.2	6.4
6	6.6	5.8	6.0	6.0	6.0	6.2	7.4	7.3	6.2	5.9	6.1	6.5
7	6.4	5.8	6.0	6.0	6.0	6.2	7.5	7.4	6.2	5.7	6.0	6.5
8	6.2	5.5	6.0	6.0	6.0	6.3	7.5	7.3	6.3	5.6	6.0	6.6
9	6.1	5.5	6.0	6.0	6.0	6.3	7.6	7.0	6.3	5.6	5.8	6.8
10	6.0	5.9	6.0	6.0	6.0	6.3	7.6	7.0	6.2	5.7	6.0	7.3
11	6.0	5.7	6.0	6.0	6.0	6.4	7.7	7.0	6.3	5.6	6.2	6.8
12	6.0	5.8	6.0	6.0	6.0	6.4	7.8	7.1	6.5	5.4	6.8	6.8
13	6.1	5.7	6.0	6.0	6.0	6.5	7.7	7.1	6.5	5.3	6.5	6.8
14	6.1	5.8	6.0	6.0	6.0	6.5	7.5	7.3	6.2	5.4	7.3	6.8
15	5.9	5.8	6.0	6.0	6.0	6.5	7.7	7.2	6.3	5.5	7.1	6.9
16	5.8	5.8	6.0	6.0	6.0	6.6	7.7	7.1	6.3	5.5	6.7	6.9
17	5.8	5.8	6.0	6.0	6.0	6.6	7.7	7.0	6.0	5.5	6.5	6.9
18	5.9	5.8	6.0	6.0	6.0	6.7	7.7	6.9	6.1	5.6	6.4	7.0
19	5.8	5.8	6.0	6.0	6.0	6.7	7.6	6.9	6.0	5.4	6.5	7.0
20	5.6	6.0	6.0	6.0	6.0	6.7	7.5	6.8	6.0	5.4	6.4	7.1
21	5.7	6.0	6.0	6.0	6.0	6.8	7.3	6.8	6.0	5.5	6.4	6.9
22	5.9	6.0	6.0	6.0	6.0	6.8	7.4	6.7	6.2	5.6	6.4	7.0
23	5.7	5.9	6.0	6.0	6.0	6.9	7.4	6.7	6.1	5.6	6.5	7.3
24	5.7	5.9	6.0	6.0	6.0	6.9	7.9	6.7	6.1	6.0	6.6	7.0
25	5.7	6.0	6.0	6.0	6.0	6.9	8.7	6.7	6.2	6.7	6.5	6.9
26	5.6	6.0	6.0	6.0	6.0	7.0	7.7	6.9	6.2	7.4	6.4	7.0
27	5.4	6.0	6.0	6.0	6.0	7.0	7.7	6.6	6.0	6.2	6.5	7.2
28	5.4	6.0	6.0	6.0	6.0	7.1	7.9	6.7	6.1	6.0	6.5	8.2
29	5.6	6.0	6.0	6.0	---	7.1	7.7	6.7	6.2	5.9	6.4	7.5
30	5.6	6.0	6.0	6.0	---	7.1	7.4	6.8	6.0	5.7	6.4	7.2
31	5.6	---	6.0	6.0	---	7.2	---	6.7	---	5.6	6.4	---
TOTAL	183.3	175.2	186.0	186.0	168.0	204.0	227.8	219.2	187.2	178.7	196.5	207.3
MEAN	5.91	5.84	6.00	6.00	6.00	6.58	7.59	7.07	6.24	5.76	6.34	6.91
AC-FT	364	348	369	369	333	405	452	435	371	354	390	411
MAX	6.7	6.0	6.0	6.0	6.0	7.2	8.7	8.2	6.7	7.4	7.3	8.2
MIN	5.4	5.5	6.0	6.0	6.0	6.0	7.2	6.6	6.0	5.3	5.6	6.4

CAL YR	2004	TOTAL	2102.1	MEAN	5.74	MAX	7.1	MIN	5.0	AC-FT	4170
WTR YR	2005	TOTAL	2319.2	MEAN	6.35	MAX	8.7	MIN	5.3	AC-FT	4600

MAX DISCH: 9.74 CFS AT 09:30 ON Sep. 28, 2005 GH 1.10 FT. SHIFT -0.37 FT.
MAX GH: 1.10 FT. AT 09:30 ON Sep. 28, 2005

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

**BIG SPRING CREEK AT MEDANO RANCH NEAR GREAT SAND DUNES NATIONAL MONUMENT CO
WY2005 HYDROGRAPH**



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO

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

DRAINAGE AREA.--117 mi².

GAGE.--Water-stage recorder and Sutron Satellite system in a 42" 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 26, 2004 to March 16, 2005, when the station was closed for the winter. Gage-height was affected by ice November 21-25, 2004, March 17-31, and April 1, 2, 7, 11, 2005. Record is good, except for periods of missing and ice-affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CARLAGCO15 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

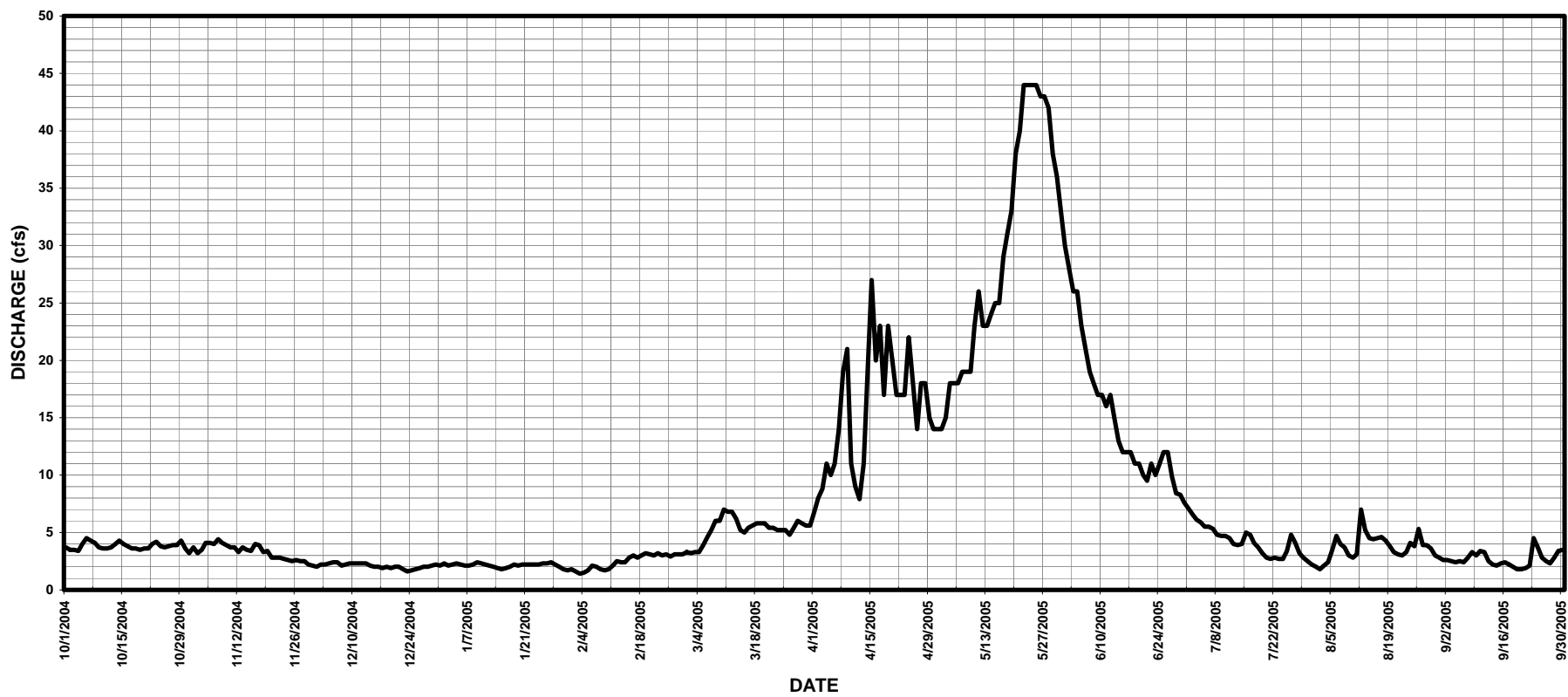
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	3.7	2	2.3	1.8	3.3	6.8	14	30	7.1	2	2.6
2	3.5	3.2	2.2	2.1	1.6	3.2	8	14	28	6.6	1.8	2.6
3	3.5	3.5	2.2	2.2	1.4	3.3	8.8	15	26	6.1	2.1	2.5
4	3.4	4.1	2.3	2.3	1.5	3.3	11	18	26	5.9	2.4	2.4
5	4	4.1	2.4	2.2	1.7	3.9	10	18	23	5.5	3.5	2.5
6	4.5	4	2.4	2.1	2.1	4.6	11	18	21	5.5	4.7	2.4
7	4.3	4.4	2.1	2.1	2	5.2	14	19	19	5.3	4	2.8
8	4.1	4.1	2.2	2.2	1.8	6	19	19	18	4.8	3.7	3.3
9	3.7	3.9	2.3	2.4	1.7	6	21	19	17	4.7	3	3
10	3.6	3.7	2.3	2.3	1.8	7	11	23	17	4.7	2.8	3.4
11	3.6	3.7	2.3	2.2	2.1	6.8	9	26	16	4.5	3.1	3.3
12	3.7	3.3	2.3	2.1	2.5	6.8	7.9	23	17	4	7	2.5
13	4	3.7	2.3	2	2.4	6.2	11	23	15	3.9	5.2	2.2
14	4.3	3.5	2.1	1.9	2.4	5.2	19	24	13	4	4.5	2.1
15	4	3.4	2	1.8	2.8	5	27	25	12	5	4.4	2.3
16	3.8	4	2	1.9	3	5.4	20	25	12	4.8	4.5	2.4
17	3.6	3.9	1.9	2	2.8	5.6	23	29	12	4.1	4.6	2.2
18	3.6	3.3	2	2.2	3	5.8	17	31	11	3.7	4.3	2
19	3.5	3.4	1.9	2.1	3.2	5.8	23	33	11	3.2	3.8	1.8
20	3.6	2.8	2	2.2	3.1	5.8	20	38	10	2.8	3.3	1.8
21	3.6	2.8	2	2.2	3	5.4	17	40	9.5	2.7	3.1	1.9
22	4	2.8	1.8	2.2	3.2	5.4	17	44	11	2.8	3	2.1
23	4.2	2.7	1.6	2.2	3	5.2	17	44	10	2.7	3.3	4.5
24	3.8	2.6	1.7	2.2	3.1	5.2	22	44	11	2.7	4.1	3.7
25	3.7	2.5	1.8	2.3	2.9	5.2	18	44	12	3.4	3.8	2.8
26	3.8	2.6	1.9	2.3	3.1	4.8	14	43	12	4.8	5.3	2.5
27	3.9	2.5	2	2.4	3.1	5.4	18	43	9.9	4.1	3.9	2.3
28	3.9	2.5	2	2.2	3.1	6	18	42	8.4	3.2	3.9	2.8
29	4.3	2.2	2.1	2	---	5.8	15	38	8.3	2.8	3.6	3.4
30	3.6	2.1	2.2	1.8	---	5.6	14	36	7.6	2.5	3	3.5
31	3.2	---	2.1	1.7	---	5.6	---	33	---	2.2	2.8	---
TOTAL	118	99	64.4	66.1	69.2	163.8	467.5	905	453.7	130.1	114.5	79.6
MEAN	3.8	3.3	2.1	2.1	2.5	5.3	15.6	29	15.1	4.2	3.7	2.7
AC-FT	234	196	128	131	137	325	927	1800	900	258	227	158
MAX	4.5	4.4	2.4	2.4	3.2	7	27	44	30	7.1	7	4.5
MIN	3.2	2.1	1.6	1.7	1.4	3.2	6.8	14	7.6	2.2	1.8	1.8

CAL YR	2004	TOTAL	3535	MEAN	9.66	MAX	67	MIN	0.8	AC-FT	7010
WTR YR	2005	TOTAL	2730.9	MEAN	7.48	MAX	44	MIN	1.4	AC-FT	5420

MAX DISCH: 47.2 CFS AT 11:00 ON May. 23, 2005 GH 2.63 FT. SHIFT 0.03 FT.
MAX GH: 2.63 FT. AT 11:00 ON May. 23, 2005

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

08230500 CARNERO CREEK NEAR LA GARITA CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO

LOCATION.--Lat 37°48'48", long 106°19'05", 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 mi². 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 and satellite-monitored data collection platform in 4-foot diameter CMP shelter and well. Altitude of gage is 8,030 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following periods; Nov. 26, 2004 to March 16, 2005 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 2-4, 21-25, 2004, March 17-19, 22, 27, 30, 31, Apr. 1, 2005. Record is good, except for periods of no gage heights and ice-affected record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LAGLAGCO12 USED FROM 01-OCT-2004 TO 30-SEP-2005

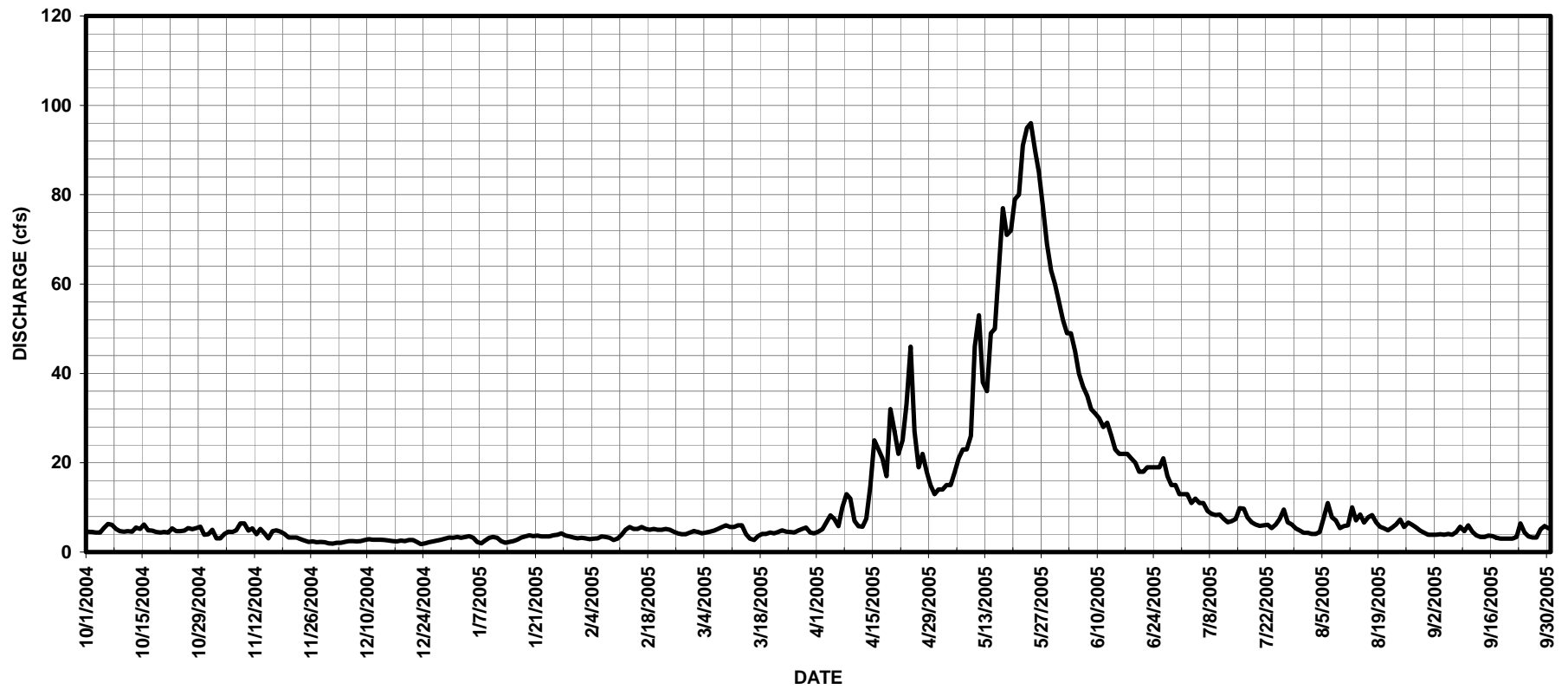
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	5	1.9	3.4	3.2	4.7	4.6	14	52	13	4.3	3.9
2	4.5	3.1	2.1	3.2	3.1	4.5	5.1	14	49	13	4.1	3.9
3	4.4	3.1	2.1	3.4	2.9	4.2	6.6	15	49	11	4.1	4
4	4.4	4.1	2.3	3.6	3	4.4	8.2	15	45	12	4.5	3.9
5	5.4	4.6	2.5	3.2	3.1	4.6	7.4	18	40	11	7.8	4.1
6	6.3	4.5	2.5	2.3	3.5	4.8	5.8	21	37	11	11	3.9
7	6.1	4.9	2.4	2	3.4	5.2	10	23	35	9.2	7.8	4.5
8	5.2	6.4	2.5	2.6	3.2	5.6	13	23	32	8.6	7.1	5.7
9	4.7	6.4	2.7	3.2	2.7	6	12	26	31	8.3	5.4	4.7
10	4.6	4.8	2.9	3.4	3	5.6	7	46	30	8.4	5.8	6
11	4.7	5.3	2.8	3.2	3.9	5.6	5.8	53	28	7.5	6	4.6
12	4.6	4	2.8	2.5	5	6	5.7	38	29	6.7	10	3.8
13	5.5	5.2	2.8	2.1	5.6	6	7.5	36	26	6.9	7.1	3.4
14	5.2	4.2	2.7	2.3	5.2	4	15	49	23	7.4	8.4	3.4
15	6.2	3.1	2.6	2.5	5.2	3	25	50	22	9.8	6.6	3.7
16	4.9	4.7	2.5	2.8	5.6	2.7	23	63	22	9.7	7.8	3.6
17	4.8	4.9	2.4	3.3	5.2	3.6	21	77	22	7.7	8.3	3.2
18	4.5	4.6	2.6	3.5	5	4.1	17	71	21	6.7	6.7	3
19	4.4	4.1	2.5	3.8	5.2	4.1	32	72	20	6.2	5.7	3
20	4.5	3.3	2.7	3.6	5	4.4	27	79	18	5.9	5.3	3
21	4.4	3.3	2.7	3.7	5	4.2	22	80	18	6	4.9	3
22	5.3	3.3	2.3	3.5	5.2	4.5	25	91	19	6.1	5.5	3.4
23	4.7	2.9	1.8	3.5	5	4.9	33	95	19	5.4	6.2	6.4
24	4.7	2.6	2	3.5	4.6	4.6	46	96	19	6.2	7.3	4.4
25	4.8	2.3	2.2	3.8	4.2	4.5	27	90	19	7.4	5.6	3.5
26	5.4	2.4	2.4	3.9	4	4.4	19	85	21	9.5	6.6	3.3
27	5.1	2.2	2.6	4.2	4	4.8	22	77	17	6.7	6.1	3.3
28	5.4	2.3	2.8	3.7	4.4	5.2	18	69	15	6.2	5.5	5.1
29	5.7	2.2	3	3.5	---	5.5	15	63	15	5.3	4.8	5.8
30	3.9	2	3.3	3.3	---	4.4	13	60	13	4.8	4.3	5.3
31	4	---	3.2	3.1	---	4.2	---	56	---	4.3	3.9	---
TOTAL	152.9	115.8	78.6	99.6	118.4	144.3	498.7	1665	806	247.9	194.5	122.8
MEAN	4.9	3.9	2.5	3.2	4.2	4.7	16.6	54	27	8	6.3	4.1
AC-FT	303	230	156	198	235	286	989	3300	1600	492	386	244
MAX	6.3	6.4	3.3	4.2	5.6	6	46	96	52	13	11	6.4
MIN	3.9	2	1.8	2	2.7	2.7	4.6	14	13	4.3	3.9	3
CAL YR	2004	TOTAL	4692.3	MEAN	12.8	MAX	102	MIN	1.0	AC-FT	9310	
WTR YR	2005	TOTAL	4244.5	MEAN	11.6	MAX	96	MIN	1.8	AC-FT	8420	

MAX DISCH: 109 CFS AT 03:15 ON May. 18, 2005 GH 3.17 FT. SHIFT -0.13 FT.
MAX GH: 3.17 FT. AT 03:15 ON May. 18, 2005

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

08231000 LA GARITA CREEK NEAR LA GARITA CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08235270 WIGHTMAN FORK BELOW CROPSY CREEK NEAR SUMMITVILLE, CO

LOCATION.--Lat. 37°25'45", long 106°35'03", in NW¼NW¼ sec. 29, T.37N., R.4 E., Rio Grande Co., Hydrologic Unit 13010002, on left bank about 200 ft. downstream from Cropsy Crek, and 0.25 mi east of Summitville.

DRAINAGE AREA AND PERIOD OF RECORD.--4.44 mi². July 1995 to current year (seasonal records only).

GAGE.--Shelter is 4x4x8 foot steel building. Sutron Accubar is used to register stream water levels. Satellite-monitored data collection platform (DCP) is used to store and transmit data. New solar panels installed during year. Elevation of gage is 11,120 ft. above sea level.

REMARKS.--Record is complete for period of operation, May 4 to September 30, 2005, except for May 4 when there was missing data. The orifice line was loose at the stream for part of May and June. Data from the staff gage was used to apply corrections to DCP data. Record fair, except for that period when orifice end was loose, which is fair to poor. Station maintained and record developed by private consultant, record reviewed by Div. III Hydrographic Staff.

RATING TABLE.--WFKCROCO04 USED FROM 04-MAY-2005 TO 22-JUN-2005
WFKCROCO05 USED FROM 22-JUN-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

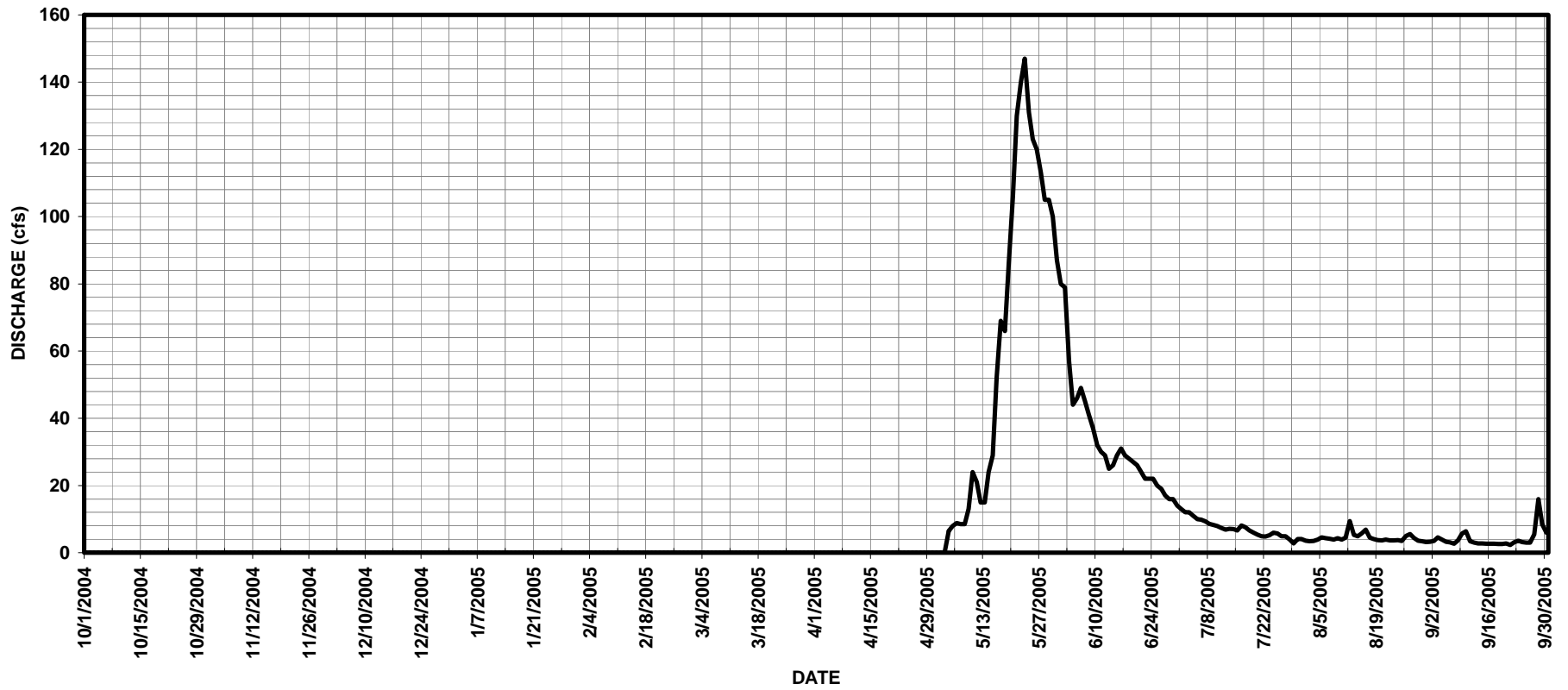
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-	-	-	-	-	-	-	-	80	13	3.6	3.3
2	-	-	-	-	-	-	-	-	79	12	3.4	3.5
3	-	-	-	-	-	-	-	-	57	12	3.5	4.6
4	-	-	-	-	-	-	-	6.5	44	11	3.9	3.9
5	-	-	-	-	-	-	-	7.9	46	10	4.6	3.3
6	-	-	-	-	-	-	-	8.8	49	9.8	4.3	3.1
7	-	-	-	-	-	-	-	8.5	45	9.3	4.2	2.7
8	-	-	-	-	-	-	-	8.5	41	8.6	3.9	3.7
9	-	-	-	-	-	-	-	13	37	8.3	4.3	5.7
10	-	-	-	-	-	-	-	24	32	7.9	3.9	6.4
11	-	-	-	-	-	-	-	21	30	7.4	4.5	3.4
12	-	-	-	-	-	-	-	15	29	6.9	9.4	3
13	-	-	-	-	-	-	-	15	25	7.1	5.3	2.8
14	-	-	-	-	-	-	-	24	26	7	4.9	2.8
15	-	-	-	-	-	-	-	29	29	6.6	5.8	2.7
16	-	-	-	-	-	-	-	52	31	8.1	6.9	2.7
17	-	-	-	-	-	-	-	69	29	7.6	4.5	2.7
18	-	-	-	-	-	-	-	66	28	6.6	4.1	2.6
19	-	-	-	-	-	-	-	86	27	6	3.8	2.6
20	-	-	-	-	-	-	-	106	26	5.4	3.7	2.8
21	-	-	-	-	-	-	-	130	24	4.9	3.9	2.3
22	-	-	-	-	-	-	-	140	22	4.8	3.7	3.1
23	-	-	-	-	-	-	-	147	22	5.2	3.7	3.6
24	-	-	-	-	-	-	-	131	22	6	3.8	3.2
25	-	-	-	-	-	-	-	123	20	5.7	3.5	3
26	-	-	-	-	-	-	-	120	19	4.9	5	3
27	-	-	-	-	-	-	-	113	17	4.9	5.6	5.5
28	-	-	-	-	-	-	-	105	16	3.9	4.4	16
29	-	-	-	-	-	-	-	105	16	2.8	3.6	8.4
30	-	-	-	-	-	-	-	100	14	4.1	3.4	6
31	-	---	-	-	---	-	---	87	---	4.1	3.2	---
TOTAL	-	-	-	-	-	-	-	1861.2	982	221.9	136.3	122.4
MEAN	-	-	-	-	-	-	-	60	33	7.2	4.4	4.1
AC-FT	-	-	-	-	-	-	-	3690	1950	440	270	243
MAX	-	-	-	-	-	-	-	147	80	13	9.4	16
MIN	-	-	-	-	-	-	-	-	14	2.8	3.2	2.3

MAY 4 - SEP 30, 2005 TOTAL 3323.8 MEAN 9.11 MAX 147 MIN 2.3 AC-FT 6590

MAX DISCH: 239 CFS AT 18:45 ON May. 21, 2005 GH 6.27 FT. SHIFT 0.05 FT.
MAX GH: 6.27 FT. AT 18:45 ON May. 21, 2005

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

08235270 WIGHTMAN FORK BELOW CROPSY CREEK NEAR SUMMITVILLE CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08235290 WIGHTMAN FORK AT MOUTH NEAR JASPER, CO

LOCATION.--Lat. 37°24'14", long 106°31'16", in SE¼SW¼ sec. 35, T.37 N., R.4 E., Rio Grande County, Hydrologic Unit 13010002, on right bank 25' downstream from bridge on Forest Development Road No. 250, about 300' upstream from confluence with Alamosa River, and 4.3 mi southwest of Jasper.

DRAINAGE AREA AND PERIOD OF RECORD.--16.1 mi². July 1995 to current year (seasonal record only).

GAGE.--Shelter is a 4 by 4 by 8 ft. steel building for this station and includes equipment for the station "Alamosa River above Wightman Fork". Equipment for this station includes a DCP (data collection platform) which collects gage-height data from a Sutron Accubar and water quality data from a Hydrolab. The DCP is satellite monitored.

REMARKS.--Record is complete for the period of operation, April 27 to September 30 in 2005 water year, except for April 27 when there was missing data. Record fair to good. Station maintained and record developed by private consultant, record reviewed by Div. III Hydrographic Staff.

RATING TABLE.--WFKMOUCO04 USED FROM 27-APR-2005 TO 17-JUN-2005
 WFKMOUCO05 USED FROM 17-JUN-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-	-	-	-	-	-	-	20	250	21	6.1	3.9
2	-	-	-	-	-	-	-	19	218	20	5.6	4.3
3	-	-	-	-	-	-	-	19	197	19	6	6.2
4	-	-	-	-	-	-	-	20	139	18	6.1	6.6
5	-	-	-	-	-	-	-	26	132	17	7.3	5.2
6	-	-	-	-	-	-	-	30	150	18	8.4	4.7
7	-	-	-	-	-	-	-	31	136	18	7	4.5
8	-	-	-	-	-	-	-	29	118	16	5.7	5.1
9	-	-	-	-	-	-	-	38	101	15	5.2	8.7
10	-	-	-	-	-	-	-	61	87	14	5.5	12
11	-	-	-	-	-	-	-	68	78	15	5.9	6.4
12	-	-	-	-	-	-	-	49	79	15	18	5.3
13	-	-	-	-	-	-	-	46	63	14	9.1	4.7
14	-	-	-	-	-	-	-	59	62	12	11	4.5
15	-	-	-	-	-	-	-	72	67	12	11	4.4
16	-	-	-	-	-	-	-	107	66	12	14	4.1
17	-	-	-	-	-	-	-	171	60	13	9.7	3.9
18	-	-	-	-	-	-	-	202	61	10	7.7	3.7
19	-	-	-	-	-	-	-	239	59	10	7.2	3.5
20	-	-	-	-	-	-	-	245	53	13	6.8	3.4
21	-	-	-	-	-	-	-	286	47	11	6.9	3.1
22	-	-	-	-	-	-	-	224	40	9.8	6.2	3.6
23	-	-	-	-	-	-	-	286	40	9.8	5.5	4
24	-	-	-	-	-	-	-	268	40	11	4.6	3.5
25	-	-	-	-	-	-	-	286	37	12	4.2	3.1
26	-	-	-	-	-	-	-	331	35	11	5.1	2.9
27	-	-	-	-	-	-	28	262	29	8.9	8.5	4
28	-	-	-	-	-	-	26	256	27	8.6	7.4	21
29	-	-	-	-	---	-	23	274	25	6.5	5.1	11
30	-	-	-	-	---	-	21	286	22	7.2	4.5	9.1
31	-	---	-	-	---	-	---	280	---	6.4	4	---
TOTAL	-	-	-	-	-	-	98	4590	2518	404.2	225.3	170.4
MEAN	-	-	-	-	-	-	3.27	148	84	13	7.3	5.7
AC-FT	-	-	-	-	-	-	194	9100	4990	802	447	338
MAX	-	-	-	-	-	-	28	331	250	21	18	21
MIN	-	-	-	-	-	-	-	19	22	6.4	4	2.9

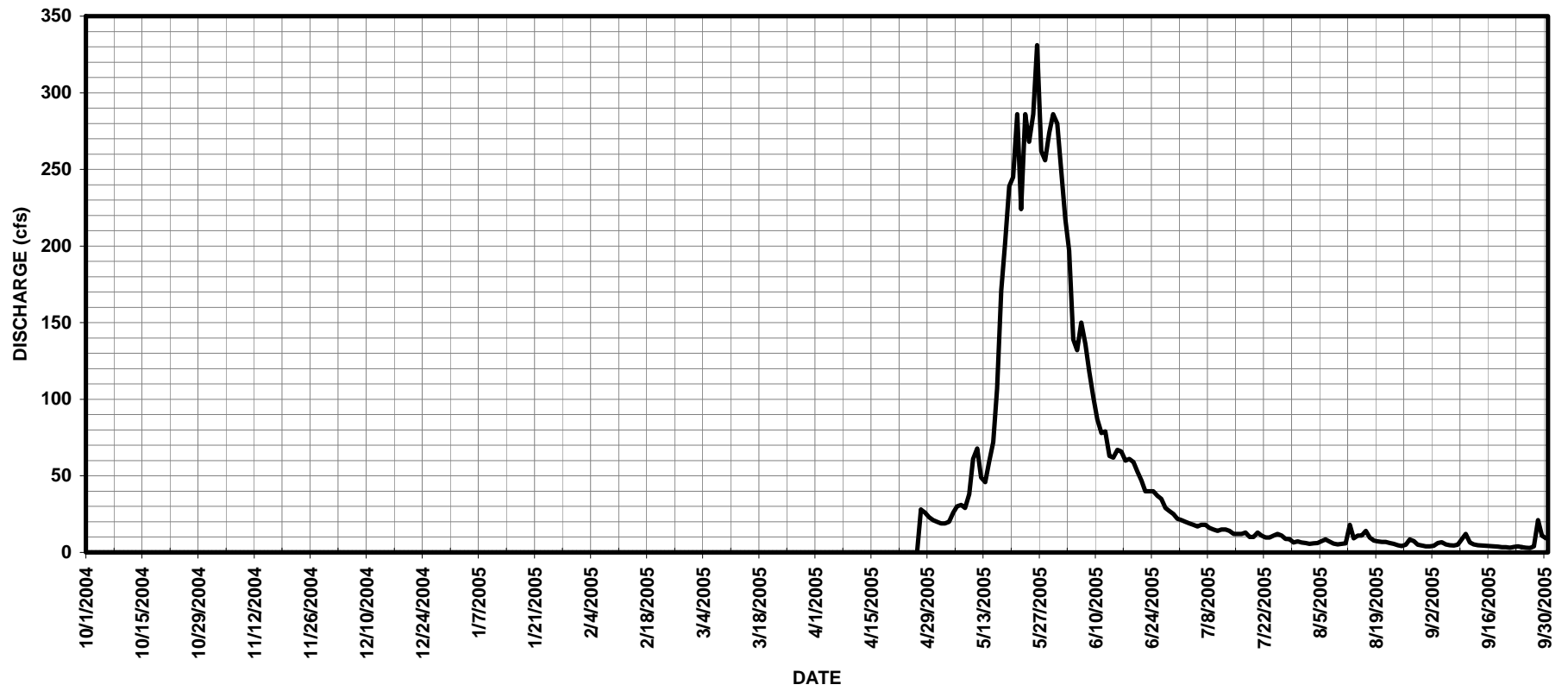
Apr. 27 - Sep. 30, 2005 TOTAL 8005.9 MEAN 51.0 MAX 331 MIN 2.9 AC-FT 15880

MAX DISCH: 460 CFS AT 19:00 ON May. 24, 2005 GH 5.15 FT. SHIFT 0.15 FT.

MAX GH: 5.15 FT. AT 19:00 ON May. 24, 2005

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

08235290 WIGHTMAN FORK AT MOUTH NEAR JASPER CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

ALAMOSA RIVER BELOW RANGER CREEK, CO

LOCATION.--Lat. 37°23'23", long. 106°22'41", Conejos County, on right bank, 30' above Silver Lakes Road Bridge, 0.4 miles below Ranger Creek and 4 miles above Terrace Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--

GAGE.--Station established in water year 2003. Shelter is 4x4x8 foot steel building equipped with Sutron Accubar to collect stream level data, and a Hydrolab to obtain water quality information. Data collection platform (DCP) used to store collected data and transmit to satellite. Outside staff gage installed as base gage.

REMARKS.--Record is complete and reliable for the period of operation, April 15 to September 30, 2005, except for April 15, June 15-22, August 29-31, Sep. 1-6, 2005 when there were missing data. The gage height was not representative of the flow during the high flow period of May 16 through June 14, 2005, due to no high flow measurements being made. These flows and the missing data days were estimated using the Alamosa River above Terrace Reservoir gage downstream. Record fair. Station maintained and record developed by private consultant, record reviewed by Div. III Hydrographic Staff.

RATING TABLE.--ALARANCO03 USED FROM 15-APR-2005 TO 10-JUL-2005
 ALARANCO04 USED FROM 10-JUL-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

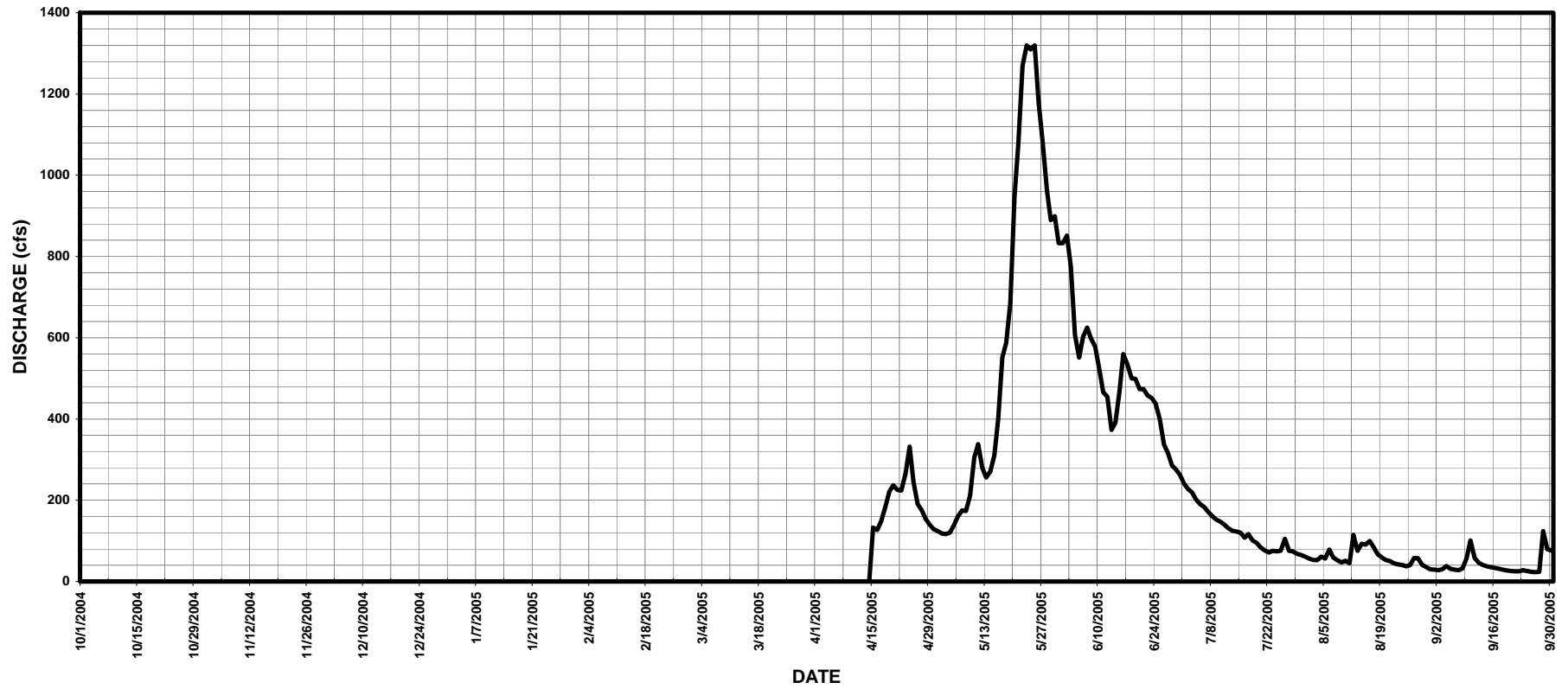
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-	-	-	-	-	-	-	124	833	241	56	29
2	-	-	-	-	-	-	-	118	852	228	53	28
3	-	-	-	-	-	-	-	117	775	219	52	30
4	-	-	-	-	-	-	-	120	607	202	61	38
5	-	-	-	-	-	-	-	138	551	191	56	31
6	-	-	-	-	-	-	-	160	602	183	79	29
7	-	-	-	-	-	-	-	175	625	172	59	28
8	-	-	-	-	-	-	-	174	598	161	52	32
9	-	-	-	-	-	-	-	212	578	152	47	57
10	-	-	-	-	-	-	-	305	522	147	51	101
11	-	-	-	-	-	-	-	338	466	140	45	58
12	-	-	-	-	-	-	-	280	455	131	115	46
13	-	-	-	-	-	-	-	256	373	125	75	41
14	-	-	-	-	-	-	-	271	391	123	93	37
15	-	-	-	-	-	-	132	310	466	120	91	35
16	-	-	-	-	-	-	127	400	560	108	100	33
17	-	-	-	-	-	-	148	552	534	117	84	31
18	-	-	-	-	-	-	183	588	500	101	67	29
19	-	-	-	-	-	-	222	687	499	95	59	27
20	-	-	-	-	-	-	237	948	474	84	53	26
21	-	-	-	-	-	-	225	1080	474	77	50	25
22	-	-	-	-	-	-	224	1270	458	71	45	25
23	-	-	-	-	-	-	265	1320	451	75	42	28
24	-	-	-	-	-	-	332	1310	438	74	41	26
25	-	-	-	-	-	-	245	1320	399	76	37	24
26	-	-	-	-	-	-	191	1180	337	105	40	23
27	-	-	-	-	-	-	175	1080	317	75	58	24
28	-	-	-	-	-	-	154	964	286	74	57	124
29	-	-	-	-	---	-	140	890	276	68	41	80
30	-	-	-	-	---	-	129	899	262	65	35	76
31	-	---	-	-	---	-	---	833	---	61	30	---
TOTAL	-	-	-	-	-	-	3129	18419	14959	3861	1824	1221
MEAN	-	-	-	-	-	-	104	594	499	125	59	41
AC-FT	-	-	-	-	-	-	6210	36530	29670	7660	3620	2420
MAX	-	-	-	-	-	-	332	1320	852	241	115	124
MIN	-	-	-	-	-	-	-	117	262	61	30	23

APRIL 15 - SEP. 30, 2005 TOTAL 43413 MEAN 119 MAX 1320 MIN 23 AC-FT 86110

MAX DISCH: 1600 CFS AT 01:15 ON May 24, 2005 (estimated)
 MAX GH: 5.15 FT. AT 01:15 ON May 24, 2005

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

ALAMOSA RIVER BELOW RANGER CREEK CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO

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

DRAINAGE AREA.--107 mi².

GAGE.--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. The gage was reset on Jul. 25, 2002 to deal with the problems of isolation during very low flows. Datum of gage is 8,600 ft., from topographic map.

REMARKS.--Record is complete and reliable except for November 29 - December 7, 2004 when the well was frozen, and December 8, 2004 through March 25, 2005 when the station was closed for the winter. Stage-discharge relation was affected by ice November 25-28, 2004 and April 1, 2005. Record is good except for the periods of ice-affected record and no gage height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--ALATERCO17 USED FROM 01-OCT-2004 TO 30-SEP-2005

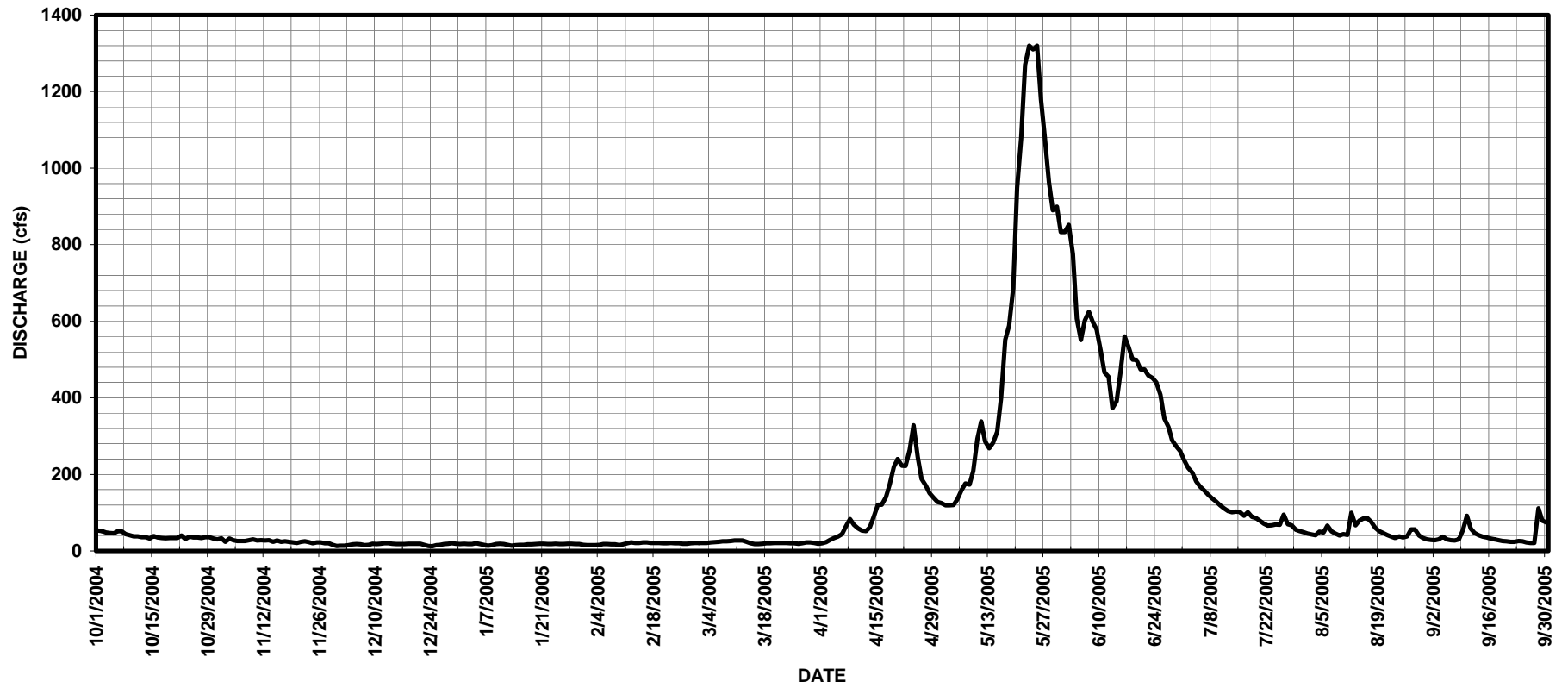
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	33	14	19	15	21	20	125	833	236	45	29
2	52	24	14	18	15	21	23	119	852	217	43	28
3	48	32	15	18	15	21	29	119	775	205	41	30
4	47	28	17	20	16	22	34	120	607	182	50	37
5	46	26	18	18	18	23	37	135	551	168	48	30
6	52	26	17	16	18	24	44	159	602	158	66	28
7	51	26	15	14	17	25	64	176	625	147	51	27
8	44	28	16	15	17	25	83	173	598	137	45	30
9	41	30	19	18	15	26	68	209	578	129	40	53
10	38	27	18	19	17	27	59	293	522	119	44	92
11	38	28	19	18	20	27	53	338	466	111	42	58
12	36	27	20	16	22	27	52	286	455	104	100	47
13	36	28	20	14	21	24	62	268	373	101	67	41
14	32	24	19	15	21	20	91	282	391	103	79	37
15	39	27	18	16	22	18	121	312	466	102	85	35
16	35	24	18	16	22	18	121	400	560	92	86	32
17	34	25	18	17	21	19	140	552	534	101	76	30
18	33	24	19	17	21	20	174	588	500	89	60	28
19	34	22	19	18	21	20	220	687	499	86	52	26
20	34	21	19	19	20	21	240	948	474	79	47	25
21	34	24	19	19	20	21	223	1080	474	71	42	24
22	40	25	16	18	21	21	222	1270	458	66	37	24
23	31	23	13	18	20	21	264	1320	452	67	34	26
24	37	20	12	19	20	20	328	1310	440	69	38	25
25	35	22	15	18	19	20	246	1320	408	68	35	22
26	35	22	16	18	19	19	188	1180	346	95	38	21
27	34	20	18	19	20	20	171	1080	324	70	56	21
28	36	20	19	19	21	22	151	964	289	67	56	111
29	36	16	20	18	---	22	139	890	273	55	40	79
30	32	13	19	18	---	21	128	899	261	52	34	74
31	30	---	18	16	---	19	---	833	---	49	30	---
TOTAL	1203	735	537	541	534	675	3795	18435	14986	3395	1607	1170
MEAN	39	25	17	18	19	22	127	595	500	110	52	39
AC-FT	2390	1460	1070	1070	1060	1340	7530	36570	29720	6730	3190	2320
MAX	53	33	20	20	22	27	328	1320	852	236	100	111
MIN	30	13	12	14	15	18	20	119	261	49	30	21
CAL YR 2004	TOTAL	35201	MEAN	96.2	MAX	685	MIN	10	AC-FT	69820		
WTR YR 2005	TOTAL	47613	MEAN	130	MAX	1320	MIN	12	AC-FT	94440		

MAX DISCH: 1600 CFS AT 01:45 ON May. 23, 2005 GH 3.88 FT. SHIFT 0 FT.
MAX GH: 3.88 FT. AT 01:45 ON May. 23, 2005

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

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO

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

DRAINAGE AREA.--116 mi².

GAGE.--Graphic water-stage recorder and Sutron satellite system in an approximately 3-ft square timber shelter and corrugated metal well. A new 6 ft. square concrete aggregate shelter and 3 ft. concrete well were installed March 24, 2005. Altitude of gage is 8,375 ft, from topographic map.

REMARKS.--Record is complete and reliable except for February 2-11, 2005 when the well was frozen, and March 21-24, 2005 when old gage was removed and new gage installed. Record is good except for the period of no gage height record, which is fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--ALABELCO12 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

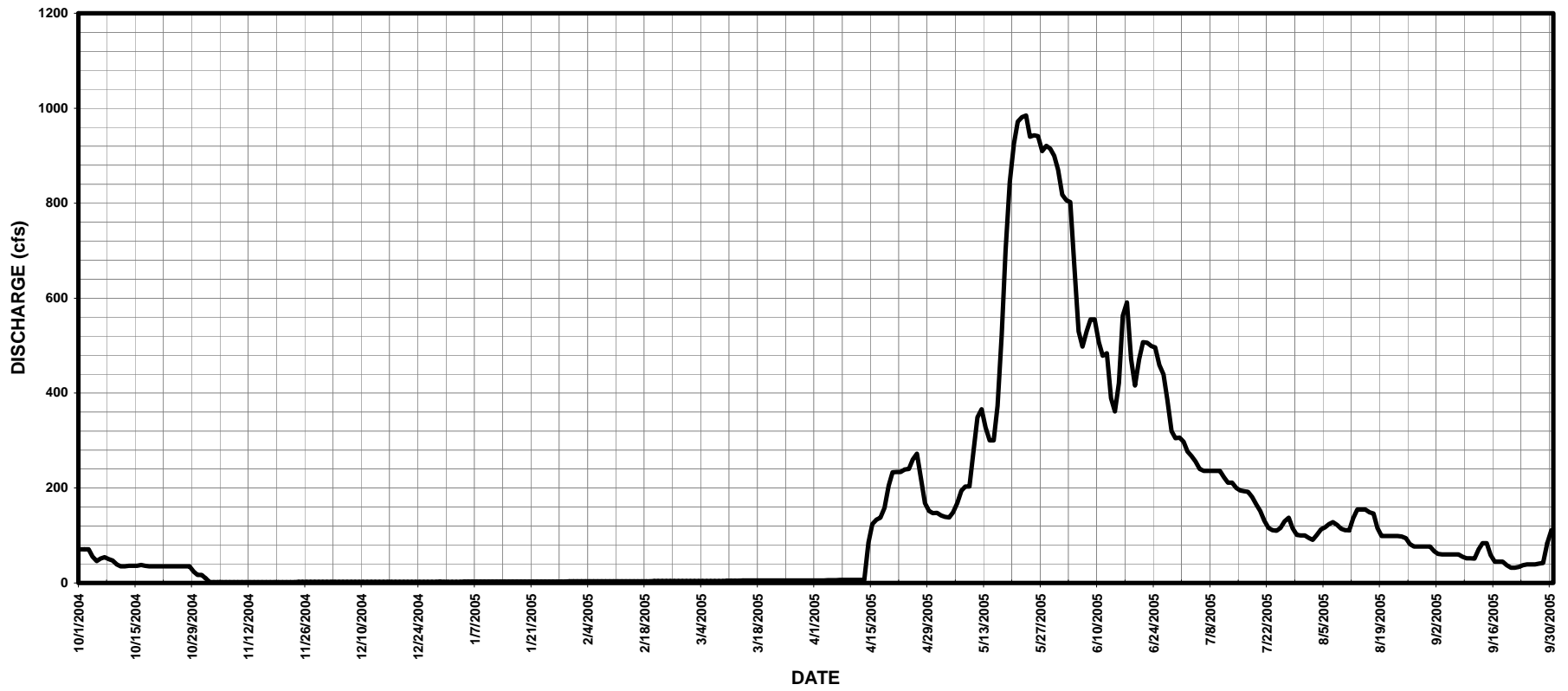
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	10	2.4	2.5	3.3	4.1	5.5	148	818	297	95	67
2	71	1.6	2.4	2.5	3.3	4.1	5.5	142	806	277	91	61
3	71	1.6	2.4	2.6	3.3	4.1	5.5	139	802	267	101	60
4	55	1.6	2.4	2.7	3.3	4.1	5.6	138	664	256	113	60
5	46	1.6	2.4	2.7	3.4	4.1	5.7	149	530	240	117	60
6	51	1.6	2.4	2.7	3.4	4.2	5.9	168	498	236	124	60
7	54	1.6	2.4	2.7	3.4	4.3	6.3	194	530	236	128	60
8	50	1.6	2.4	2.7	3.4	4.3	6.3	203	555	236	122	55
9	47	1.6	2.4	2.7	3.4	4.3	6.2	203	555	236	114	52
10	39	1.8	2.4	2.8	3.5	4.4	6.2	279	507	236	111	52
11	35	1.8	2.4	2.9	3.5	4.5	6.2	349	479	222	111	51
12	35	1.8	2.4	2.9	3.5	4.6	6.3	366	484	211	136	71
13	36	1.8	2.4	2.8	3.5	4.8	6.6	328	389	211	155	84
14	36	1.8	2.4	2.9	3.5	5	85	300	361	200	155	84
15	36	1.8	2.4	2.9	3.6	5	124	300	421	195	155	59
16	38	1.8	2.4	2.9	3.7	5	133	373	563	193	149	45
17	36	1.8	2.4	2.9	3.7	5	137	523	591	192	146	45
18	35	1.8	2.4	2.9	3.7	5	158	701	471	181	116	45
19	35	1.8	2.4	2.9	3.7	5	205	844	416	165	99	37
20	35	1.9	2.4	2.9	3.8	5	233	925	471	152	99	32
21	35	1.9	2.4	2.9	3.9	5	234	972	507	131	99	32
22	35	1.9	2.4	2.9	3.9	5	234	981	506	116	99	34
23	35	1.9	2.5	2.9	4	5	239	985	499	111	99	37
24	35	2.2	2.5	3	4.1	5	240	940	496	110	98	39
25	35	2.2	2.5	3.1	4.1	5	260	943	459	116	94	39
26	35	2.2	2.5	3.1	4.1	5	272	941	439	130	82	39
27	35	2.3	2.5	3.1	4.1	5	218	910	385	137	77	41
28	35	2.4	2.5	3.1	4.1	5	168	921	320	115	77	42
29	24	2.4	2.8	3.1	---	5.2	152	915	305	101	77	84
30	17	2.4	2.6	3.2	---	5.3	147	900	306	100	77	111
31	17	---	2.5	3.2	---	5.3	---	870	---	100	77	---
TOTAL	1250	64.5	75.7	89.1	102.2	146.7	3316.8	17050	15133	5706	3393	1638
MEAN	40.3	2.15	2.44	2.87	3.65	4.73	111	550	504	184	109	54.6
AC-FT	2480	128	150	177	203	291	6580	33820	30020	11320	6730	3250
MAX	71	10	2.8	3.2	4.1	5.3	272	985	818	297	155	111
MIN	17	1.6	2.4	2.5	3.3	4.1	5.5	138	305	100	77	32

CAL YR	2004	TOTAL	34240	MEAN	93.6	MAX	651	MIN	1.6	AC-FT	67920
WTR YR	2005	TOTAL	47965	MEAN	131	MAX	985	MIN	1.6	AC-FT	95140

MAX DISCH: 1010 CFS AT 16:45 ON May. 21, 2005 GH 4.79 FT. SHIFT 0.37 FT.
MAX GH: 4.79 FT. AT 16:45 ON May. 21, 2005

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

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

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

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

DRAINAGE AREA.--98 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry in 42" diameter CMP shelter and well. Altitude of gage is 8,130 ft from topographic map.

REMARKS.--Record is complete and reliable except for Dec. 8, 2004 through Mar. 4, 2005 when the station was closed for the winter; Nov. 29, 30, Dec. 1-7, 2004, March 5, 15-19, 2005 when the well was frozen; and June 16-23, 2005 when inlets were plugged. Stage-discharge relation was affected by ice Nov. 2-7, 24-28, 2004, March 6-14, 22, April 1, 2005. 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.--LAJCAPCO19TMP USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

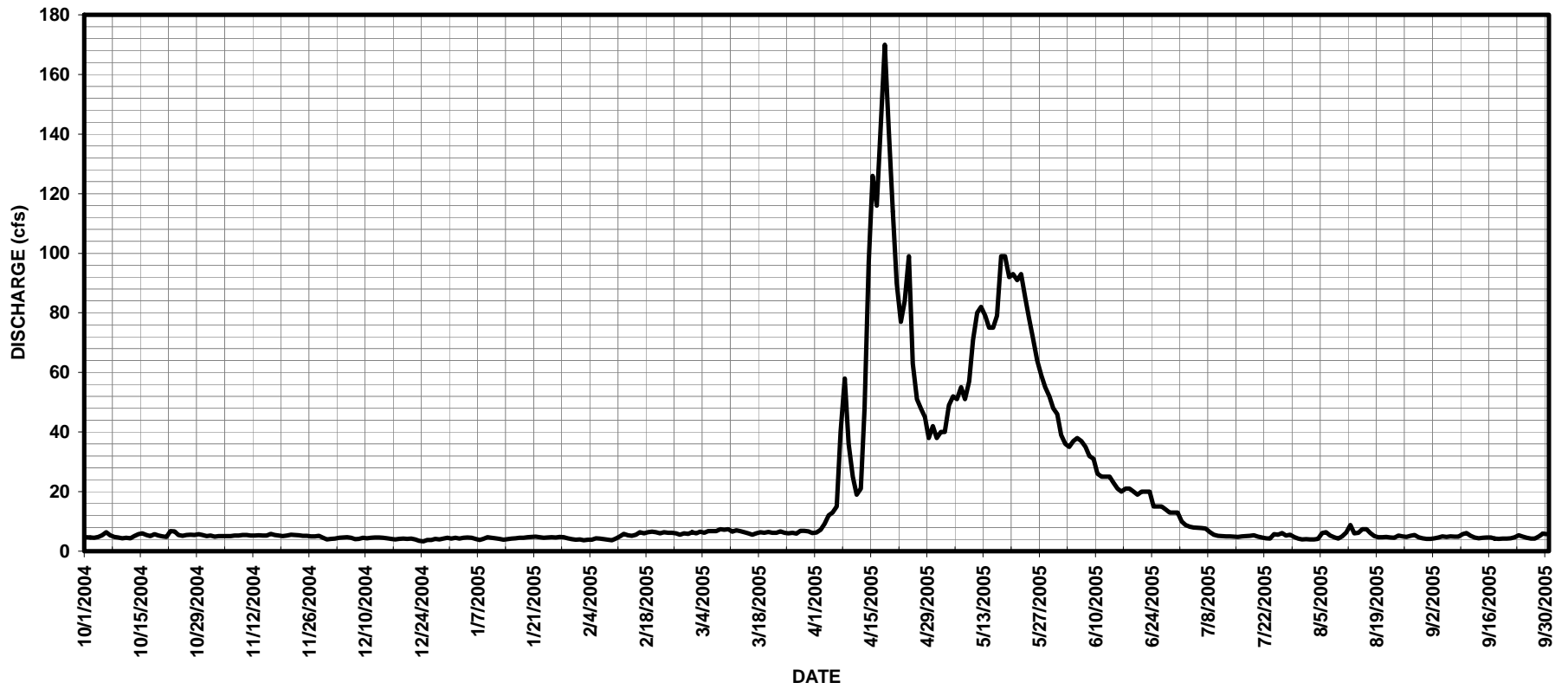
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	5.3	4.2	4.5	4	6.4	6.3	38	39	10	4.1	4.2
2	4.6	4.9	4.3	4.3	3.7	6	7.2	40	36	8.8	4	4.4
3	4.5	5.1	4.5	4.5	3.9	6.6	9.2	40	35	8.2	4	4.6
4	4.8	5.1	4.6	4.6	3.9	6.2	12	49	37	8	4.2	5
5	5.4	5.1	4.7	4.5	4.4	6.8	13	52	38	7.9	6.1	4.8
6	6.4	5.1	4.5	4.2	4.3	6.8	15	51	37	7.8	6.4	5
7	5.4	5.3	4.1	3.8	4.1	6.8	40	55	35	7.6	5.3	4.9
8	4.8	5.3	4.2	4.2	3.9	7.4	58	51	32	6.5	4.7	4.9
9	4.6	5.5	4.5	4.7	3.7	7.2	36	57	31	5.6	4.3	5.7
10	4.4	5.5	4.4	4.5	4.3	7.4	25	71	26	5.2	5	6.1
11	4.5	5.3	4.5	4.4	5	6.6	19	80	25	5.1	6.3	5.2
12	4.4	5.3	4.6	4.2	5.8	7	21	82	25	5	8.8	4.6
13	5.1	5.4	4.6	3.9	5.4	6.8	48	79	25	5	6	4.4
14	5.7	5.3	4.5	4.1	5.2	6.4	97	75	23	4.9	6.2	4.5
15	6	5.3	4.4	4.3	5.6	6	126	75	21	4.8	7.4	4.6
16	5.5	5.8	4.2	4.4	6.4	5.6	116	79	20	5	7.4	4.6
17	5.1	5.5	4	4.5	6	6	142	99	21	5.1	6.1	4.3
18	5.7	5.3	4.2	4.5	6.4	6.4	170	99	21	5.2	5.1	4.2
19	5.3	5.1	4.3	4.7	6.6	6.2	142	92	20	5.4	4.7	4.3
20	5	5.3	4.2	4.8	6.4	6.5	114	93	19	4.9	4.7	4.3
21	4.8	5.6	4.3	4.9	6	6.2	90	91	20	4.6	4.8	4.4
22	6.8	5.5	4	4.7	6.4	6.2	77	93	20	4.4	4.6	4.7
23	6.7	5.4	3.5	4.5	6.2	6.7	84	85	20	4.3	4.5	5.4
24	5.5	5.2	3.3	4.6	6.2	6.2	99	78	15	5.7	5.3	4.9
25	5.2	5.2	3.8	4.7	6	6	63	71	15	5.6	5	4.5
26	5.5	5	3.8	4.6	5.6	6.2	51	64	15	6.1	4.8	4.3
27	5.6	5	4.2	4.8	6	5.9	48	59	14	5.3	5.2	4.3
28	5.5	5.2	4	4.7	5.8	6.9	45	55	13	5.6	5.5	5
29	5.7	4.5	4.3	4.4	---	6.9	38	52	13	4.8	4.7	5.9
30	5.5	4	4.5	4.1	---	6.7	42	48	13	4.3	4.4	5.7
31	5.1	---	4.3	3.9	---	6.1	---	46	---	4	4.2	---
TOTAL	163.8	156.4	131.5	137.5	147.2	201.1	1853.7	2099	724	180.7	163.8	143.7
MEAN	5.3	5.2	4.2	4.4	5.3	6.5	61.8	68	24	5.8	5.3	4.8
AC-FT	325	310	261	273	292	399	3680	4160	1440	358	325	285
MAX	6.8	5.8	4.7	4.9	6.6	7.4	170	99	39	10	8.8	6.1
MIN	4.4	4	3.3	3.8	3.7	5.6	6.3	38	13	4	4	4.2

CAL YR	2004	TOTAL	4622.1	MEAN	12.6	MAX	92	MIN	3.3	AC-FT	9170
WTR YR	2005	TOTAL	6102.4	MEAN	16.7	MAX	170	MIN	3.3	AC-FT	12100

MAX DISCH: 295 CFS AT 03:15 ON Apr. 18, 2005 GH 2.84 FT. SHIFT 0 FT.
MAX GH: 2.84 FT. AT 03:15 ON Apr. 18, 2005

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

08238000 LA JARA CREEK AT GALLEGOS RANCH NEAR CAPULIN CO
WY2005 HYDROGRAPH



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 November 29, 2004, February 26,28, 2005 when the well was frozen; November 30, 2004 through February 24, 2005 when station was closed for the winter; and August 8, 9, 2005 when the station was isolated. Stage-discharge relation affected by ice November 16, 22 - 28, 2004, February 25, 27, March 1 - 6, 9, 15 - 17, 2005. Record is good except for periods of no gage-height, ice affected record, and periods when well was isolated, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORDSCCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

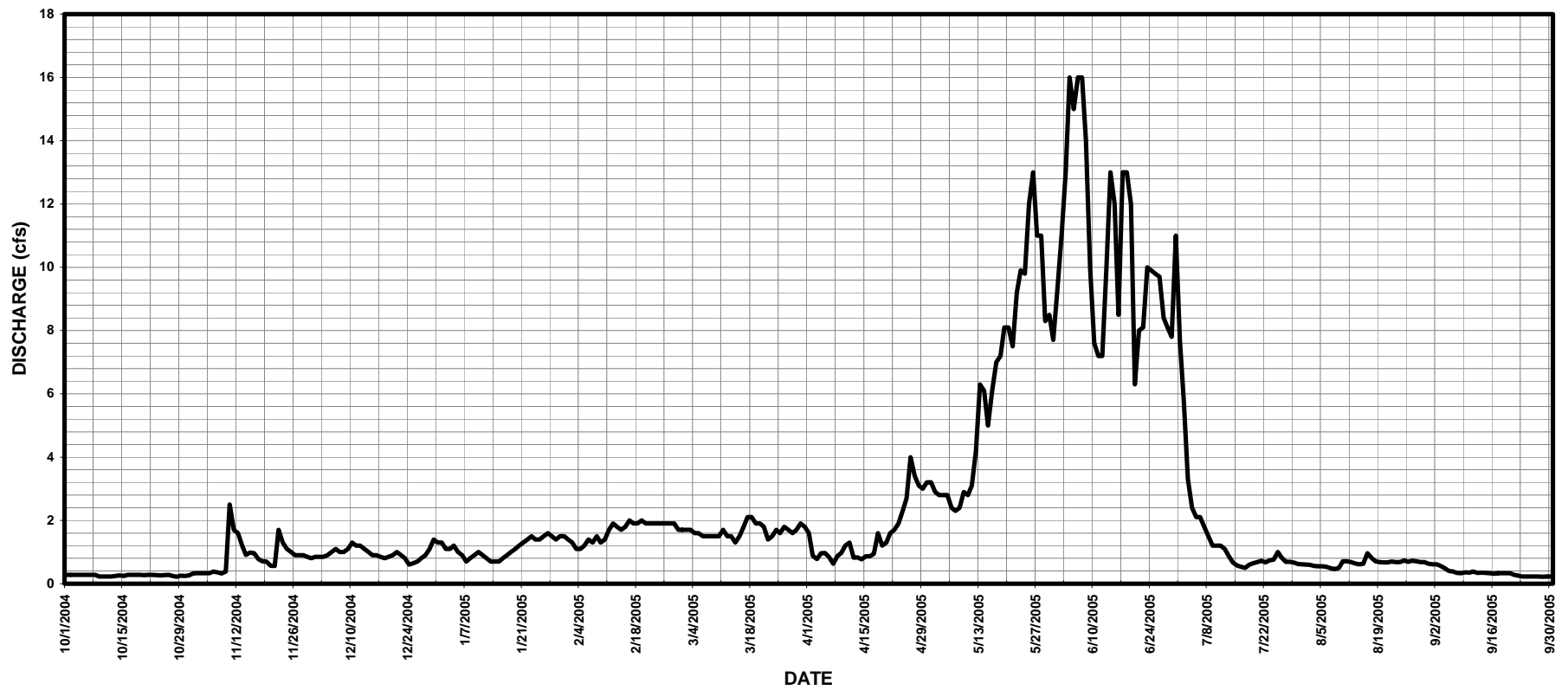
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	.32	.85	1.3	1.4	1.7	1.6	3.2	9.3	7.7	.6	.61
2	.28	.33	.85	1.1	1.3	1.7	.88	2.9	11	5.8	.59	.61
3	.28	.33	.85	1.1	1.1	1.7	.78	2.8	13	3.3	.56	.56
4	.28	.33	.9	1.2	1.1	1.6	.96	2.8	16	2.4	.55	.49
5	.28	.33	1	1	1.2	1.6	.97	2.8	15	2.1	.55	.4
6	.28	.38	1.1	.9	1.4	1.5	.84	2.4	16	2.1	.53	.38
7	.28	.36	1	.7	1.3	1.5	.63	2.3	16	1.8	.49	.34
8	.28	.32	1	.8	1.5	1.5	.87	2.4	14	1.5	.46	.33
9	.23	.38	1.1	.9	1.3	1.5	.97	2.9	10	1.2	.5	.36
10	.23	2.5	1.3	1	1.4	1.5	1.2	2.8	7.6	1.2	.71	.35
11	.23	1.7	1.2	.9	1.7	1.7	1.3	3.1	7.2	1.2	.71	.38
12	.23	1.6	1.2	.8	1.9	1.5	.82	4.2	7.2	1.1	.68	.34
13	.24	1.2	1.1	.7	1.8	1.5	.83	6.3	10	.86	.64	.35
14	.26	.91	1	.7	1.7	1.3	.77	6.1	13	.67	.61	.34
15	.24	.99	.9	.7	1.8	1.5	.86	5	12	.58	.63	.33
16	.28	.96	.9	.8	2	1.8	.86	6.1	8.5	.53	.96	.31
17	.28	.78	.85	.9	1.9	2.1	.94	7	13	.5	.81	.33
18	.28	.71	.8	1	1.9	2.1	1.6	7.2	13	.59	.71	.33
19	.28	.7	.85	1.1	2	1.9	1.2	8.1	12	.65	.68	.33
20	.27	.57	.9	1.2	1.9	1.9	1.3	8.1	6.3	.68	.67	.33
21	.28	.56	1	1.3	1.9	1.8	1.6	7.5	8	.72	.67	.28
22	.28	1.7	.9	1.4	1.9	1.4	1.7	9.2	8.1	.67	.7	.25
23	.27	1.3	.8	1.5	1.9	1.5	1.9	9.9	10	.73	.68	.23
24	.26	1.1	.6	1.4	1.9	1.7	2.3	9.8	9.9	.76	.68	.23
25	.27	1	.65	1.4	1.9	1.6	2.7	12	9.8	1	.73	.23
26	.28	.9	.7	1.5	1.9	1.8	4	13	9.7	.82	.69	.23
27	.24	.9	.8	1.6	1.9	1.7	3.4	11	8.4	.69	.72	.23
28	.22	.9	.9	1.5	1.7	1.6	3.1	11	8.1	.69	.71	.22
29	.25	.85	1.1	1.4	---	1.7	3	8.3	7.8	.66	.68	.23
30	.24	.8	1.4	1.5	---	1.9	3.2	8.5	11	.62	.68	.23
31	.26	---	1.3	1.5	---	1.8	---	7.7	---	.61	.63	---
TOTAL	8.14	25.71	29.8	34.8	46.6	51.6	47.08	196.4	320.9	44.43	20.21	10.16
MEAN	.26	.86	.96	1.12	1.7	1.7	1.57	6.3	10.7	1.43	.65	.34
AC-FT	16	51	59	69	92	102	93	390	637	88	40	20
MAX	.28	2.5	1.4	1.6	2	2.1	4	13	16	7.7	.96	.61
MIN	.22	.32	.6	.7	1.1	1.3	.63	2.3	6.3	.5	.46	.22

CAL YR	2004	TOTAL	585.26	MEAN	1.6	MAX	8.6	MIN	.11	AC-FT	1160
WTR YR	2005	TOTAL	835.83	MEAN	2.29	MAX	16	MIN	.22	AC-FT	1660

MAX DISCH: 19 CFS AT 00:30 ON Jun. 4, 2005 GH 1.32 FT. SHIFT 0.02 FT.
MAX GH: 1.32 FT. AT 00:30 ON Jun. 4, 2005

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

SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES CO
WY2005 HYDROGRAPH



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 and a Sutron satellite monitoring system in a 36 inch diameter CMP shelter and well at a six-foot Parshall Flume. Note: October 1, 2004 - Feb. 24, 2005, and Aug 8 - September 30, 2005, Parshall flume width modified to two foot in width with a 1 inch wood block in throat of flume in an attempt to keep the well from isolating and to get a more accurate measurement of low flows.

REMARKS.--Record is complete and reliable except for Oct. 5,6, 2004 when the well was isolated, Nov. 24 - 29 2004 when the well was frozen, and Nov. 30, 2004 - Feb. 24, 2005 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 28, 2004. There was no flow Oct. 1-4, 2004. Gage-height was not necessarily representative of flow Nov. 22, 2004 when the 2 ft. Parshall Flume modification was overflowing. 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.--STD02FTPF USED FROM 01-OCT-2004 TO 30-NOV-2004
 NORDLSCO03 USED FROM 24-FEB-2005 TO 08-AUG-2005
 STD02FTPF USED FROM 08-AUG-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

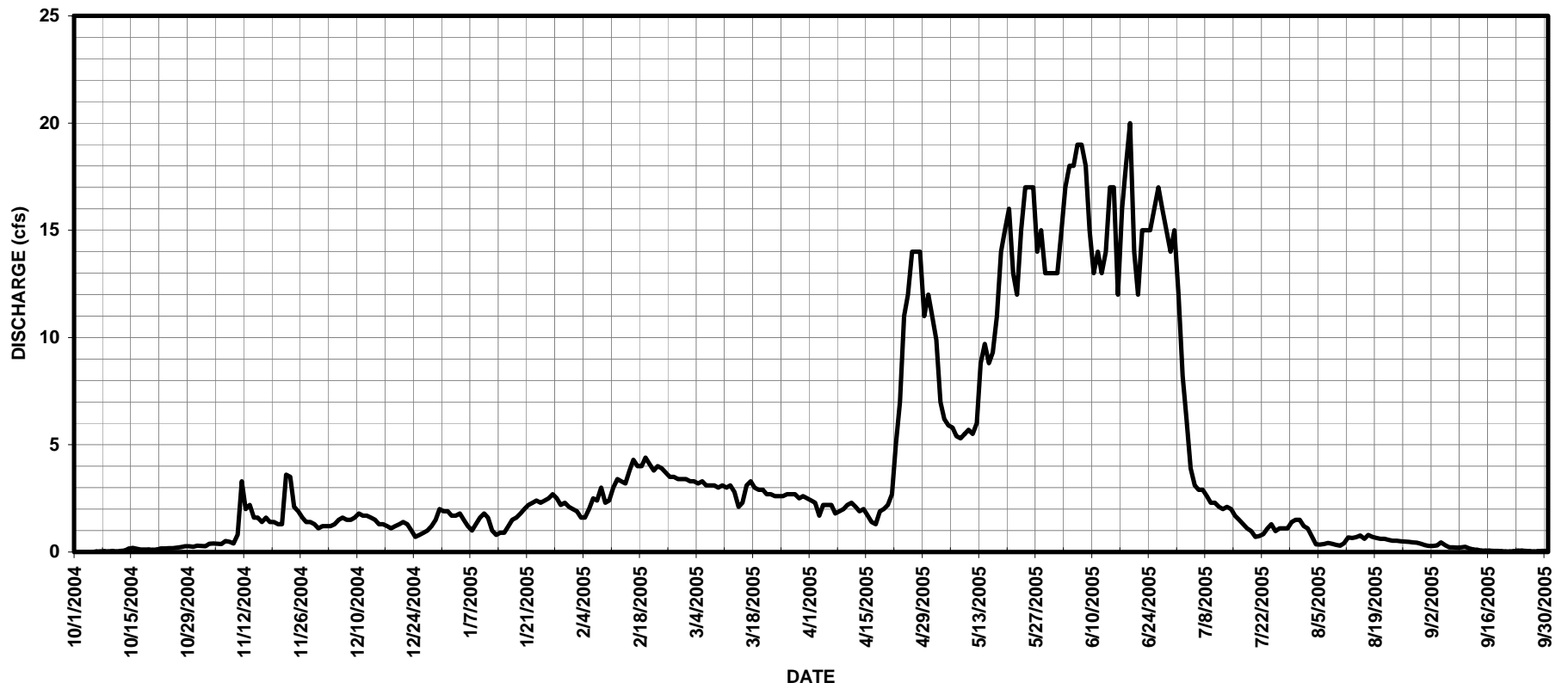
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.28	1.2	1.9	2	3.4	2.4	11	13	12	1.2	.28
2	0	.27	1.2	1.7	1.9	3.3	2.3	9.9	15	8.2	1.1	.28
3	0	.38	1.2	1.7	1.6	3.3	1.7	7	17	6.2	.73	.31
4	0	.4	1.3	1.8	1.6	3.2	2.2	6.2	18	3.9	.36	.45
5	0	.38	1.5	1.5	2	3.3	2.2	5.9	18	3.1	.35	.32
6	.03	.37	1.6	1.2	2.5	3.1	2.2	5.8	19	2.9	.37	.22
7	.03	.51	1.5	1	2.4	3.1	1.8	5.4	19	2.9	.42	.22
8	.04	.48	1.5	1.3	3	3.1	1.9	5.3	18	2.6	.38	.21
9	.03	.4	1.6	1.6	2.3	3	2	5.5	15	2.3	.33	.22
10	.05	.81	1.8	1.8	2.4	3.1	2.2	5.7	13	2.3	.29	.25
11	.03	3.3	1.7	1.6	3	3	2.3	5.5	14	2.1	.41	.17
12	.05	2	1.7	1	3.4	3.1	2.1	6	13	2	.68	.11
13	.07	2.2	1.6	.8	3.3	2.8	1.9	8.8	14	2.1	.66	.1
14	.16	1.6	1.5	.9	3.2	2.1	2	9.7	17	2	.69	.07
15	.19	1.6	1.3	.9	3.8	2.3	1.7	8.8	17	1.7	.77	.07
16	.16	1.4	1.3	1.2	4.3	3.1	1.4	9.3	12	1.5	.62	.07
17	.11	1.6	1.2	1.5	4	3.3	1.3	11	16	1.3	.79	.05
18	.11	1.4	1.1	1.6	4	3	1.9	14	18	1.1	.7	.05
19	.12	1.4	1.2	1.8	4.4	2.9	2	15	20	.98	.65	.04
20	.1	1.3	1.3	2	4.1	2.9	2.2	16	14	.7	.61	.03
21	.12	1.3	1.4	2.2	3.8	2.7	2.7	13	12	.74	.62	.03
22	.17	3.6	1.3	2.3	4	2.7	5	12	15	.84	.57	.04
23	.17	3.5	1	2.4	3.9	2.6	7	15	15	1.1	.53	.07
24	.18	2.1	.7	2.3	3.7	2.6	11	17	15	1.3	.52	.06
25	.18	1.9	.8	2.4	3.5	2.6	12	17	16	.98	.5	.05
26	.2	1.6	.9	2.5	3.5	2.7	14	17	17	1.1	.49	.04
27	.23	1.4	1	2.7	3.4	2.7	14	14	16	1.1	.48	.03
28	.27	1.4	1.2	2.5	3.4	2.7	14	15	15	1.1	.45	.04
29	.27	1.3	1.5	2.2	---	2.5	11	13	14	1.4	.44	.05
30	.25	1.1	2	2.3	---	2.6	12	13	15	1.5	.39	.05
31	.29	---	1.9	2.1	---	2.5	---	13	---	1.5	.32	---
TOTAL	3.61	41.28	42	54.7	88.4	89.3	142.4	330.8	470	74.54	17.42	3.98
MEAN	.12	1.38	1.35	1.76	3.2	2.9	4.8	10.7	16	2.4	.56	.13
AC-FT	7.2	82	83	108	175	177	282	656	932	148	35	7.9
MAX	.29	3.6	2	2.7	4.4	3.4	14	17	20	12	1.2	.45
MIN	0	.27	.7	.8	1.6	2.1	1.3	5.3	12	.7	.29	.03

CAL YR	2004	TOTAL	709.62	MEAN	1.94	MAX	12	MIN	0	AC-FT	1410
WTR YR	2005	TOTAL	1358.43	MEAN	3.72	MAX	20	MIN	0	AC-FT	2690

MAX DISCH: 20.7 CFS AT 01:15 ON June 19, 2005 GH 0.82 FT. SHIFT 0.09 FT. (six foot Parshall)
 MAX GH: 1.17 FT. AT 18:00 ON Nov. 22, 2004 (two foot Parshall)

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

NORTON DRAIN NEAR LA SAUSES CO
WY2005 HYDROGRAPH



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 Lasausés, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--5,740 mi²., approximately, includes 2,940 mi². in closed basin in northern part of San Luis Valley, Co. May 1936 to current year. Water quality data from 1993 to 1996.

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring equipment in a 7 ft. by 7 ft. exposed aggregate building with 4 ft. diameter concrete well. 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. 30, 2004 to Feb. 24, 2005 when the station was closed for the winter, and Aug. 29 to Sep. 1, 2005 when the inlets were covered with sand and plugged. Stage-discharge relation affected by ice Nov. 28, 29, 2004. 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.--RIOTRICO11 USED FROM 01-OCT-2004 TO 30-SEP-2005

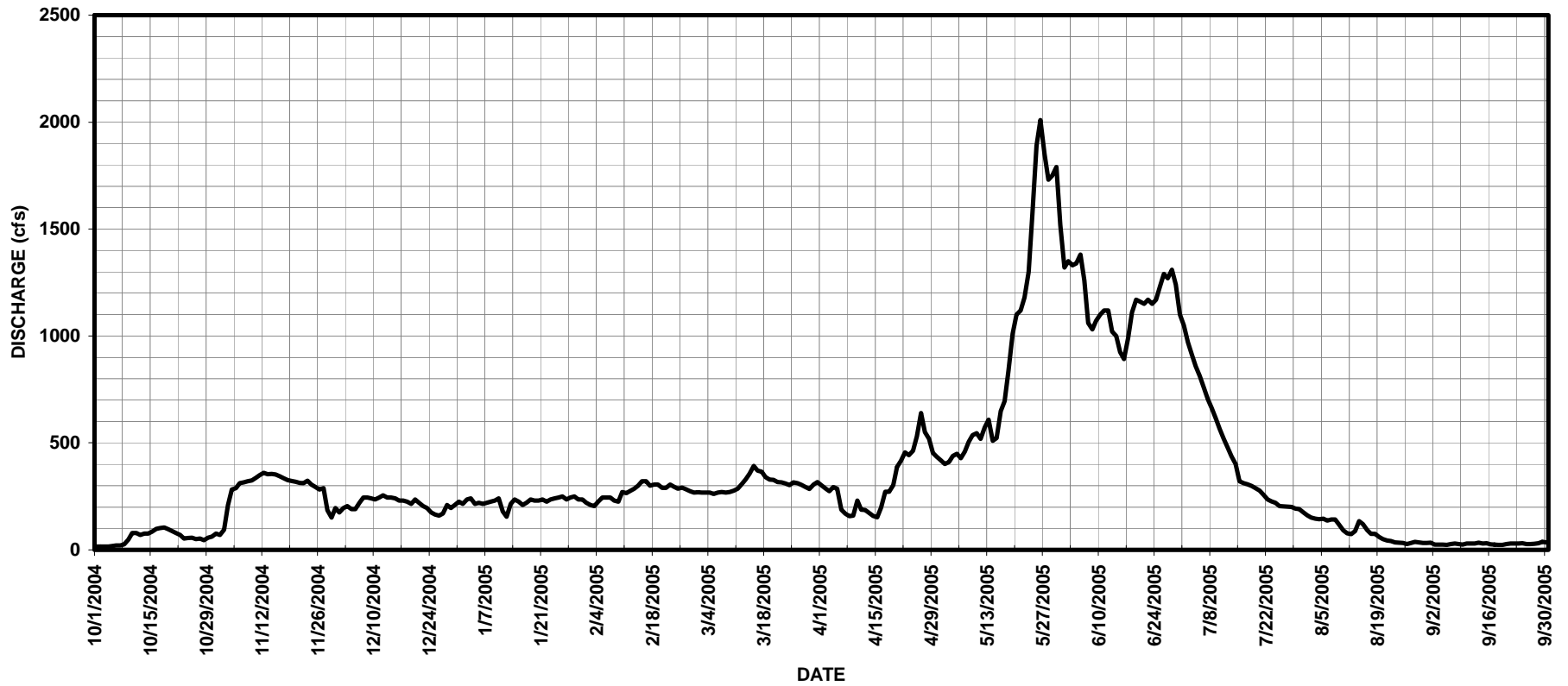
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	69	175	215	220	269	301	418	1320	1050	161	33
2	15	94	195	235	210	267	287	401	1350	970	151	25
3	15	209	205	240	205	267	274	411	1330	914	145	24
4	16	282	190	215	225	267	293	439	1340	858	143	25
5	18	288	190	220	245	261	286	449	1380	812	145	23
6	20	312	220	215	245	267	188	428	1260	760	136	27
7	20	315	245	220	245	270	170	459	1060	704	141	30
8	26	320	245	225	230	268	157	505	1030	663	141	27
9	47	324	240	230	225	270	160	536	1070	614	116	24
10	79	336	235	240	270	277	230	545	1100	565	91	30
11	79	350	245	180	265	286	188	518	1120	517	77	29
12	70	360	255	155	275	307	186	572	1120	479	73	30
13	76	354	245	215	285	330	173	608	1020	437	88	34
14	76	355	245	235	300	357	158	509	1000	402	134	30
15	85	353	240	225	320	393	152	522	925	320	120	31
16	98	344	230	210	320	371	198	649	892	311	93	26
17	102	334	230	220	300	365	272	695	991	306	74	25
18	104	326	225	235	305	340	272	837	1110	298	74	23
19	97	322	215	230	305	328	302	1010	1170	288	61	23
20	88	318	235	230	290	327	387	1100	1160	277	50	27
21	78	313	220	235	290	317	415	1120	1150	257	44	30
22	69	312	205	225	305	315	456	1180	1170	235	41	30
23	53	323	195	235	295	310	443	1300	1150	227	35	29
24	55	305	175	240	285	303	463	1570	1170	220	33	31
25	56	294	165	245	291	315	531	1890	1230	204	32	27
26	50	282	160	250	283	312	640	2010	1290	203	27	27
27	53	288	170	235	274	304	551	1850	1270	202	32	28
28	45	185	210	245	268	294	519	1730	1310	201	37	31
29	56	150	195	250	---	284	453	1750	1240	193	35	37
30	62	195	210	235	---	305	435	1790	1100	190	32	35
31	76	---	225	235	---	316	---	1520	---	175	32	---
TOTAL	1799	8612	6635	7020	7576	9462	9540	29321	34828	13852	2594	851
MEAN	58	287	214	226	271	305	318	946	1161	447	84	28
AC-FT	3570	17080	13160	13920	15030	18770	18920	58160	69080	27480	5150	1690
MAX	104	360	255	250	320	393	640	2010	1380	1050	161	37
MIN	15	69	160	155	205	261	152	401	892	175	27	23
CAL YR 2004	TOTAL	69117.2	MEAN	189	MAX	628	MIN	4.6	AC-FT	137100		
WTR YR 2005	TOTAL	132090	MEAN	362	MAX	2010	MIN	15	AC-FT	262000		

MAX DISCH: 2040 CFS AT 05:30 ON May. 26, 2005 GH 6.64 FT. SHIFT -0.43 FT.
MAX GH: 6.64 FT. AT 05:30 ON May. 26, 2005

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

08240000 RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK NEAR LASAUSES CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

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

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

DRAINAGE AREA.--45 mi².

GAGE.--Graphic water-stage recorder and a Sutron satellite monitoring system in a 3 ft. by 3 ft. timber shelter and well. Altitude of gage is 8,520 ft, from topographic map.

REMARKS.--Record is complete and reliable. Stage-discharge relation was affected by ice Nov. 27, 2004 - Feb. 5, 9 - 12, 25 - 28, Mar. 1 - 4, 14 - 17, 31, and April 1, 2, 2005. Stage was not representative of discharge May 20, 21, 2005 due to debris moving through gage pool and control reach. Record is good except for periods of ice affected record, which is poor. Record for days when stage was not representative of discharge should be considered fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TRITURCO13 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	6.6	7.8	6.6	5.8	7	7.4	21	214	53	17	9.9
2	8.8	6.2	7.8	6.6	5.4	7	8.2	20	201	50	16	9.8
3	8.6	8.2	8	6.6	5.4	7	9.1	19	195	47	16	12
4	8.6	9	8	6.6	5.4	7	9.4	18	185	45	17	13
5	10	9	8.8	6.4	6.4	7	9.7	19	170	43	18	10
6	10	8.7	8.4	5.6	7.1	7	9.7	22	158	43	18	10
7	9.6	8.4	8.4	5.4	7.5	7	11	30	151	41	17	12
8	9.2	8.6	8.4	5.6	6.8	7	13	32	146	38	15	14
9	9	8.6	8.4	5.6	6.4	7.4	12	36	141	36	14	14
10	8.6	8.7	8.4	5.8	6	7.4	11	51	134	34	14	12
11	8.4	8.7	8	5.6	6.2	7.5	13	65	127	33	16	11
12	8.3	8.4	7.6	5.4	6.6	8	12	67	127	32	20	10
13	8.4	8.6	7.4	5.2	7	8.1	12	65	113	32	16	9.9
14	8.1	7.5	7.4	5	7.1	8	15	61	104	30	18	9.7
15	9.1	8.4	7.8	4.9	7.2	7.5	18	60	105	30	15	9.9
16	8.9	8.4	7.6	5.4	7.1	7.5	19	65	101	33	15	9.6
17	9	8.4	7.2	5.4	7.1	7.8	21	88	96	28	14	8.9
18	9.1	8.2	7.4	5.8	7	8.2	24	97	94	27	13	8.7
19	8.8	8.2	7.6	5.6	7.1	8.2	31	99	91	25	12	8.7
20	8.5	8.1	7.8	5.6	7.2	7.6	37	115	89	25	12	8.5
21	8.3	8.3	7.2	6	7.1	7.4	39	180	87	24	12	8.3
22	8.5	8.1	6.6	6	7.2	8.5	38	217	84	23	11	9.1
23	8	7.9	6	6	7	7.4	42	247	79	22	11	13
24	8.1	7.9	5.2	6	7	7.2	46	276	76	23	11	9.7
25	8.2	8.3	5.6	6.4	7	7.4	41	288	74	23	11	9.1
26	8.2	8	6.2	6.2	7	7.2	34	299	76	22	11	8.9
27	8.2	7.6	6.4	6.6	7	7.5	31	294	69	21	11	9.1
28	8.2	7.4	6.8	6.4	7	7.8	27	289	63	20	11	12
29	8	7.2	7	6	---	7.9	24	270	58	19	10	10
30	7.1	7.4	6.8	6.4	---	7.7	22	252	55	19	9.5	10
31	7.5	---	7.4	6	---	7.6	---	234	---	17	9.1	---
TOTAL	265.9	243	229.4	182.7	188.1	232.8	646.5	3896	3463	958	430.6	310.8
MEAN	8.6	8.1	7.4	5.9	6.7	7.5	21.6	126	115	31	13.9	10.4
AC-FT	527	482	455	362	373	462	1280	7730	6870	1900	854	616
MAX	10	9	8.8	6.6	7.5	8.5	46	299	214	53	20	14
MIN	7.1	6.2	5.2	4.9	5.4	7	7.4	18	55	17	9.1	8.3

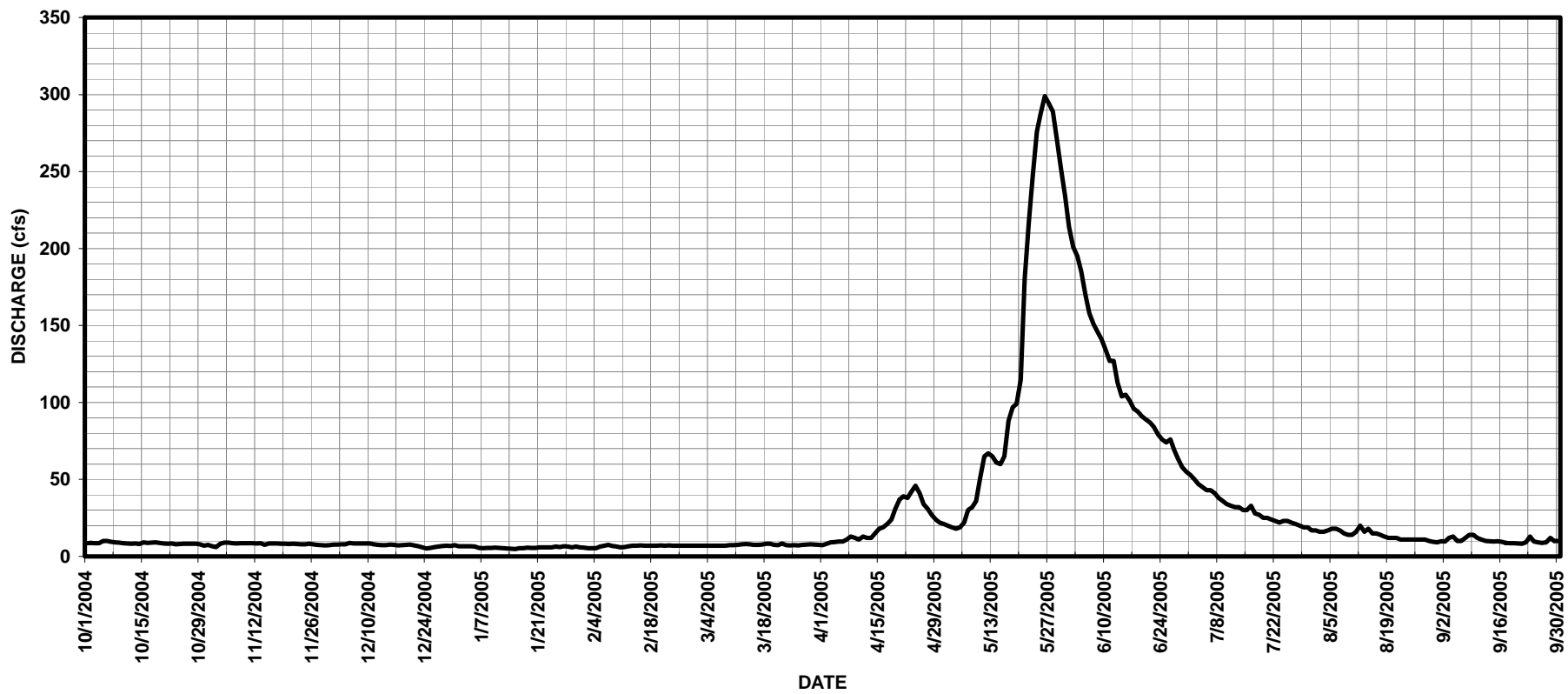
CAL YR	2004	TOTAL	6210.6	MEAN	17.0	MAX	89	MIN	4.2	AC-FT	12320
WTR YR	2005	TOTAL	11046.8	MEAN	30.3	MAX	299	MIN	4.9	AC-FT	21910

MAX DISCH: 311 CFS AT 07:00 ON May. 26, 2005 GH 3.41 FT. SHIFT -0.35 FT.

MAX GH: 3.41 FT. AT 07:00 ON May. 26, 2005

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

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH NEAR FORT GARLAND CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO

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

DRAINAGE AREA.--57 mi².

GAGE.--Graphic water-stage recorder and a Sutron Satellite system in a 4-ft. diameter corrugated metal shelter and well.

REMARKS.--Record is complete and reliable. Record is good. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TRIMTNC07 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

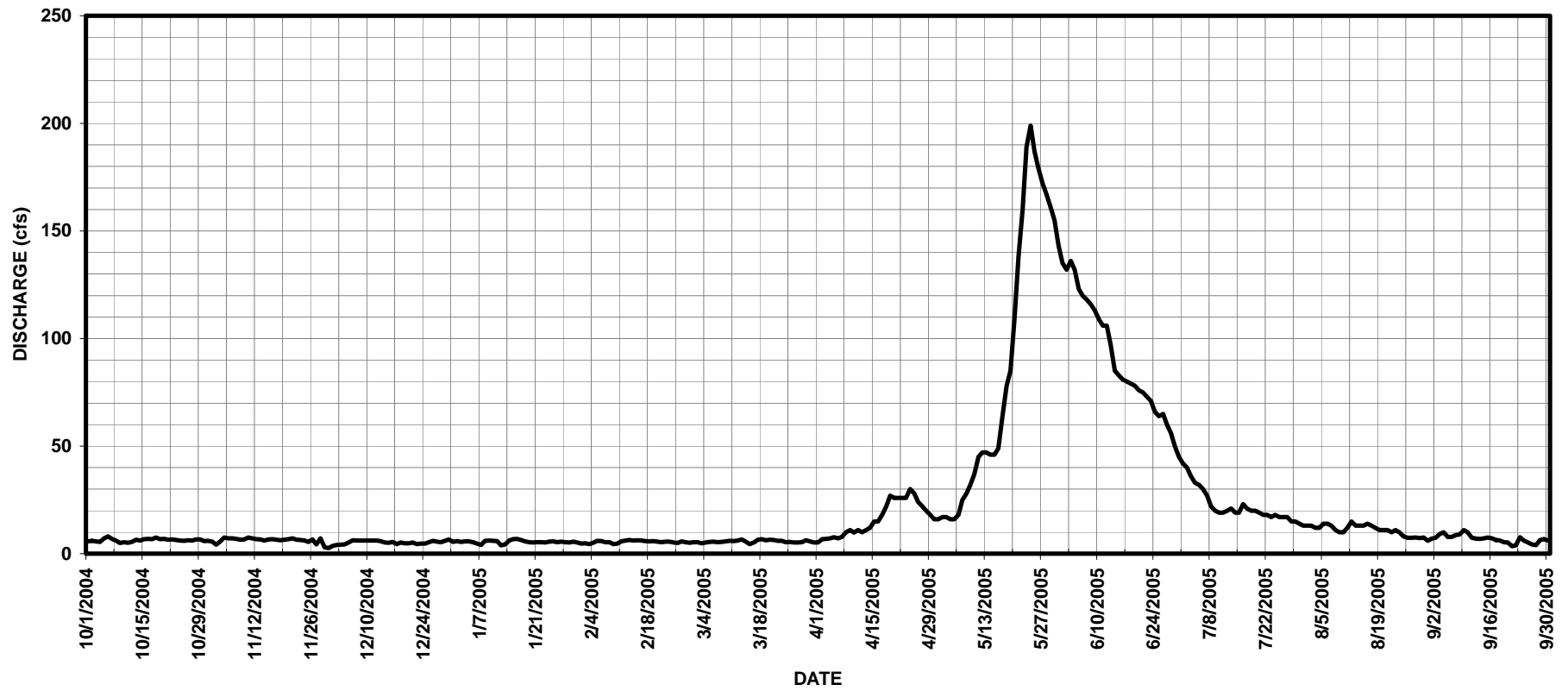
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	5.6	3.6	5.9	4.7	5.4	5.3	16	135	42	13	7
2	6	4.2	4.1	5.5	4.9	5.4	6.8	17	132	40	13	7.4
3	5.7	5.8	4.2	5.7	4.5	4.9	6.9	17	136	36	12	9.1
4	5.5	7.5	4.4	5.8	5.1	5.2	7.1	16	132	33	12	10
5	7.1	7.1	5.3	5.4	6	5.5	7.7	16	123	32	14	7.8
6	8	7.1	6.3	4.7	5.9	5.6	7.1	18	120	30	14	7.8
7	6.9	6.9	6.2	4.1	5.4	5.4	7.8	25	118	27	13	8.7
8	6.2	6.5	6.1	6	5.4	5.5	10	28	116	22	11	8.9
9	5	6.6	6.1	6.2	4.5	5.7	11	32	113	20	10	11
10	5.4	7.6	6.1	6	4.7	6	9.8	37	109	19	10	10
11	5.1	7.2	6.1	5.9	5.8	5.9	11	45	106	19	12	7.4
12	5.5	6.8	6.1	3.8	6.2	6.2	10	47	106	20	15	7
13	6.5	6.7	5.9	4.3	6.4	6.6	11	47	97	21	13	6.9
14	6.1	6.1	5.3	6.1	6.2	5.6	12	46	85	19	13	7.2
15	6.8	6.7	5.1	6.8	6.3	4.5	15	46	83	19	13	7.5
16	6.9	6.8	5.5	6.9	6.1	5.2	15	49	81	23	14	7.1
17	6.8	6.5	4.5	6.4	5.9	6.5	18	64	80	21	13	6.4
18	7.5	6.3	5.2	5.7	5.8	6.8	22	78	79	20	12	6.1
19	6.8	6.5	4.9	5.4	5.9	6.3	27	85	78	20	11	5.4
20	6.9	6.8	4.8	5.3	5.6	6.5	26	110	76	19	11	5.3
21	6.5	7.2	5.2	5.4	5.4	6.4	26	138	75	18	11	3.4
22	6.6	6.5	4.5	5.4	5.6	6	26	160	73	18	10	3.8
23	6.4	6.4	4.7	5.2	5.6	6	26	189	71	17	11	7.7
24	6.2	6.1	4.7	5.6	5.2	5.4	30	199	66	18	9.9	6.2
25	6	5.5	5.4	5.8	5	5.5	28	187	64	17	8	5.2
26	6.3	6.6	6	5.4	5.7	5.3	24	179	65	17	7.4	4.4
27	6.2	4.4	5.6	5.6	5.4	5.2	22	172	60	17	7.4	4
28	6.7	7.2	5.4	5.4	5.1	5.4	20	167	56	15	7.5	6.4
29	6.7	2.9	6	5.3	---	6.3	18	161	50	15	7.3	6.8
30	5.9	2.6	6.6	5.6	---	5.7	16	155	45	14	7.6	6.2
31	6	---	5.5	5.3	---	5.2	---	143	---	13	6	---
TOTAL	196	186.7	165.4	171.9	154.3	177.1	482.5	2689	2730	681	342.1	208.1
MEAN	6.3	6.2	5.3	5.6	5.5	5.7	16.1	87	91	22	11	6.9
AC-FT	389	370	328	341	306	351	957	5330	5410	1350	679	413
MAX	8	7.6	6.6	6.9	6.4	6.8	30	199	136	42	15	11
MIN	5	2.6	3.6	3.8	4.5	4.5	5.3	16	45	13	6	3.4
CAL YR 2004	TOTAL	4455.9	MEAN	12.2	MAX	62	MIN	2.6	AC-FT	8840		
WTR YR 2005	TOTAL	8184.1	MEAN	22.4	MAX	199	MIN	2.6	AC-FT	16230		

CAL YR 2004 TOTAL 4455.9 MEAN 12.2 MAX 62 MIN 2.6 AC-FT 8840
WTR YR 2005 TOTAL 8184.1 MEAN 22.4 MAX 199 MIN 2.6 AC-FT 16230

MAX DISCH: 222 CFS AT 03:00 ON May. 24, 2005 GH 2.34 FT. SHIFT 0.05 FT.
MAX GH: 2.34 FT. AT 03:00 ON May. 24, 2005

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

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR CO
WY2005 HYDROGRAPH



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 ice house road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

DRAINAGE AREA.--190 mi².

GAGE.--Graphic water-stage recorder with satellite monitoring system in a 4' diameter CMP shelter and well. Altitude of gage is 7,900 ft, from topographic map.

REMARKS.--Record is complete and reliable. Stage-discharge relation was affected by ice Nov. 2, 29, Dec. 9, 11-24, 28, 30, 31, 2004, Jan. 2, 5-8, 12, 14-26, 29-31, Feb. 1-6, 9-11, Mar. 15-18, 2005. 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.--SANFTGCO18 USED FROM 01-OCT-2004 TO 30-SEP-2005

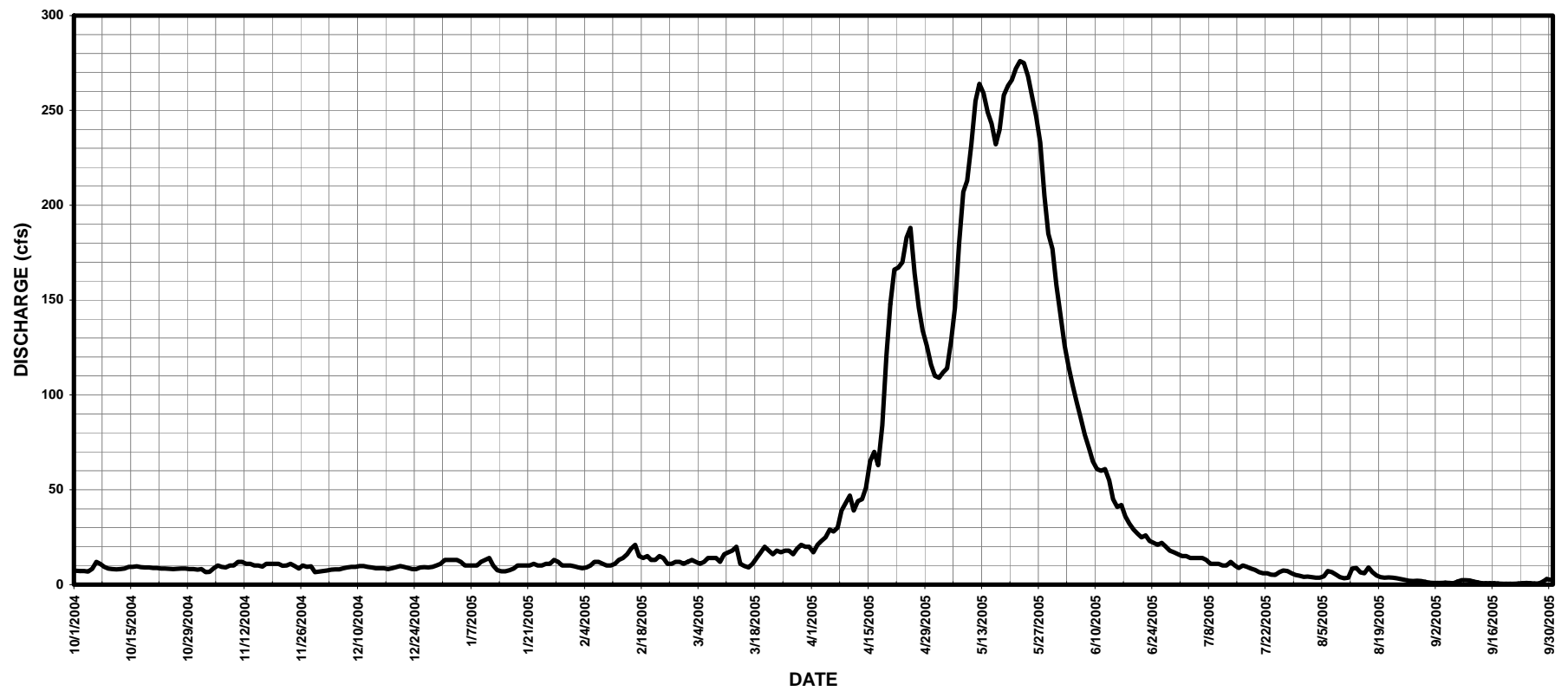
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	8.2	7.1	13	9.6	12	17	110	142	15	4.3	.81
2	7.2	6.6	7.5	13	9.0	13	21	109	126	15	3.9	.92
3	7.2	6.7	7.9	13	8.6	12	23	112	115	14	3.7	.89
4	6.8	8.6	8.0	12	9.0	11	25	114	105	14	3.7	1.0
5	8.3	10	8.0	10	10	12	29	129	96	14	4.4	.90
6	12	9.4	8.6	10	12	14	28	146	88	14	7.1	.70
7	11	9.0	9.1	10	12	14	30	180	79	13	6.6	1.6
8	9.4	10	9.4	10	11	14	39	207	72	11	5.3	2.3
9	8.4	10	9.4	12	10	12	43	213	65	11	3.9	2.4
10	8.2	12	9.8	13	10	16	47	232	61	11	3.4	2.2
11	8.0	12	9.8	14	11	17	39	255	60	10	3.7	1.6
12	8.1	11	9.4	10	13	18	44	264	61	10	8.4	1.1
13	8.4	11	9.0	7.6	14	20	45	259	55	12	8.7	.80
14	9.3	10	8.6	7.0	16	11	51	249	45	10	6.4	.69
15	9.4	10	8.6	7.0	19	9.7	65	243	41	8.8	6.0	.68
16	9.6	9.5	8.6	7.6	21	9.0	70	232	42	10	9.0	.73
17	9.2	11	8.2	8.4	15	11	63	240	36	9.3	6.5	.56
18	9.0	11	8.6	10	14	14	84	258	32	8.4	4.8	.49
19	9.0	11	9.2	10	15	17	121	263	29	7.7	4.0	.48
20	8.8	11	9.8	10	13	20	148	266	27	6.6	3.6	.49
21	8.7	9.9	9.4	10	13	18	166	272	25	6.0	3.8	.50
22	8.5	10	8.8	11	15	16	167	276	26	6.0	3.7	.59
23	8.5	11	8.2	10	14	18	170	275	23	5.3	3.3	.74
24	8.3	9.7	8.2	10	11	17	183	268	22	5.1	2.9	.89
25	8.2	8.5	9.0	11	11	18	188	257	21	6.5	2.5	.71
26	8.3	10	9.2	11	12	18	164	247	22	7.5	2.1	.61
27	8.5	9.4	9.1	13	12	16	146	233	20	7.2	1.9	.60
28	8.4	9.6	9.3	12	11	19	134	205	18	6.0	2.0	1.4
29	8.1	6.6	10	10	---	21	126	185	17	5.1	1.9	2.9
30	8.1	6.9	11	10	---	20	116	177	16	4.6	1.4	2.5
31	7.9	---	13	10	---	20	---	158	---	4.1	.96	---
TOTAL	266.1	289.6	279.8	325.6	351.2	477.7	2592	6634	1587	288.2	133.86	32.78
MEAN	8.58	9.65	9.03	10.5	12.5	15.4	86.4	214	52.9	9.30	4.32	1.09
AC-FT	528	574	555	646	697	948	5140	13160	3150	572	266	65
MAX	12	12	13	14	21	21	188	276	142	15	9.0	2.9
MIN	6.8	6.6	7.1	7.0	8.6	9.0	17	109	16	4.1	.96	.48
CAL YR 2004	TOTAL	7012.4	MEAN	19.2	MAX	158	MIN	2.1	AC-FT	13910		
WTR YR 2005	TOTAL	13257.84	MEAN	36.3	MAX	276	MIN	.48	AC-FT	26300		

MAX DISCH: 281 CFS AT 18:15 ON May. 22, 2005 GH 5.02 FT. SHIFT -0.88 FT.
MAX GH: 5.02 FT. AT 18:15 ON May. 22, 2005

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

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND CO
WY2005 HYDROGRAPH



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 mi². 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 and a Sutron satellite monitoring system in a 4-ft. diameter CMP shelter and well. Altitude of gage is 8,045 ft, from topographic map.

REMARKS.--Record is complete and reliable except for Dec. 14, 2004 through Mar. 10, 2005 when the station was closed for the winter, and November 29,30, December 1-13, 2004 and March 16-April 5, 2005 when the well was frozen. Stage-discharge relation was affected by ice Nov. 28, 2004 and Mar. 15, 2005. 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.--UTEFTGCO17 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

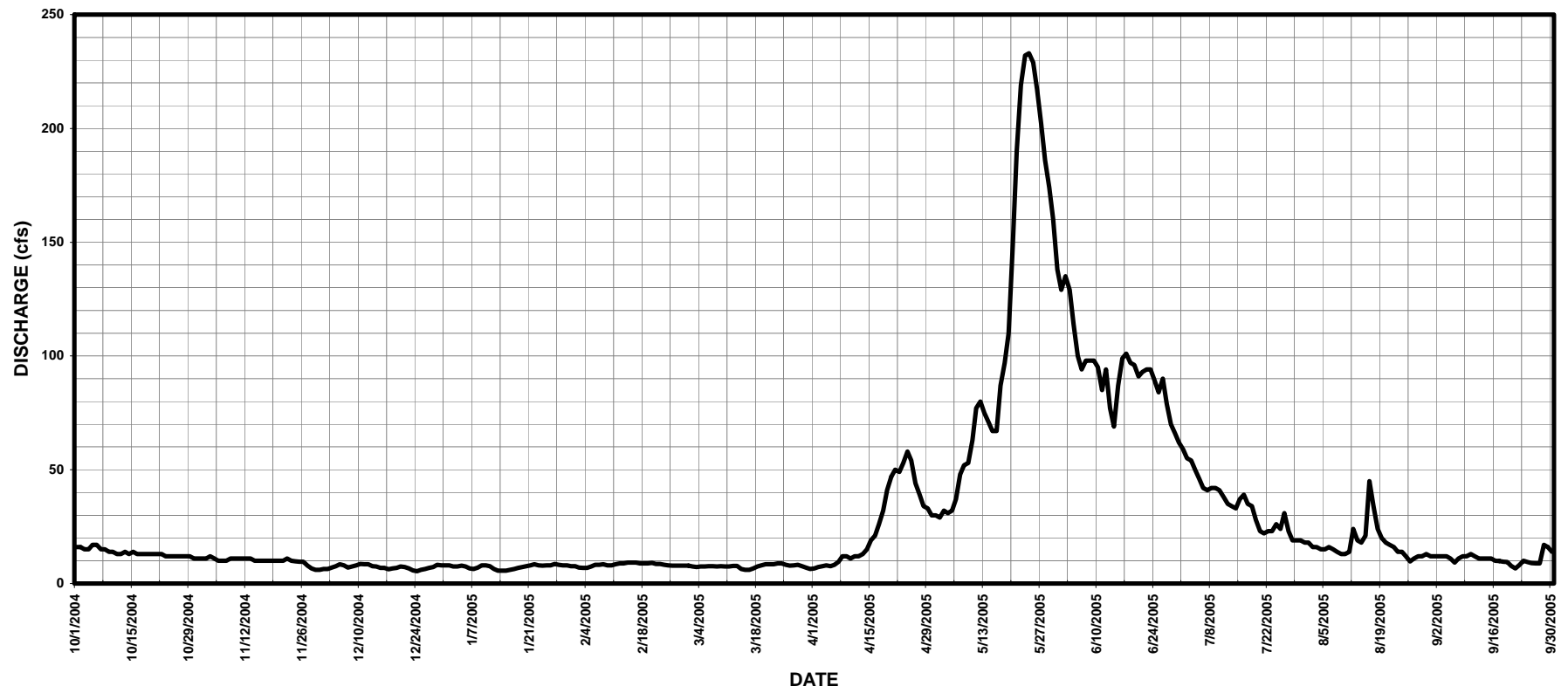
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	11	6.4	8	7.6	7.8	6.6	30	129	59	18	12
2	16	11	6.4	7.4	7	7.4	7.2	29	135	55	16	12
3	15	12	7	7.4	6.8	7.2	7.6	32	129	54	16	12
4	15	11	7.6	7.8	6.8	7.4	8	31	114	50	15	12
5	17	10	8.4	7.4	7.4	7.4	7.6	32	100	46	15	11
6	17	10	8	6.6	8.2	7.6	8.2	37	94	42	16	9.2
7	15	10	7	6.4	8.2	7.6	9.6	48	98	41	15	11
8	15	11	7.4	7	8.4	7.4	12	52	98	42	14	12
9	14	11	8	8	8	7.6	12	53	98	42	13	12
10	14	11	8.6	8	8	7.4	11	63	95	41	13	13
11	13	11	8.4	7.6	8.4	7.4	12	77	85	38	14	12
12	13	11	8.4	6.4	8.8	7.7	12	80	94	35	24	11
13	14	11	7.6	5.6	8.8	7.7	13	75	77	34	19	11
14	13	10	7.4	5.6	9.2	6.3	15	71	69	33	18	11
15	14	10	6.8	5.6	9.2	6	19	67	87	37	21	11
16	13	10	6.8	6	9.2	6	21	67	99	39	45	10
17	13	10	6.2	6.4	8.8	6.6	26	87	101	35	34	9.9
18	13	10	6.6	6.8	8.8	7.4	32	97	97	34	24	9.5
19	13	10	6.8	7.2	8.8	8	41	110	96	28	20	9.4
20	13	10	7.4	7.6	9	8.4	47	149	91	23	18	7.7
21	13	10	7.2	8	8.6	8.4	50	190	93	22	17	6.6
22	13	11	6.6	8.4	8.6	8.4	49	219	94	23	16	8.1
23	12	10	5.8	8	8.2	8.8	53	232	94	23	14	10
24	12	9.8	5.4	7.8	8	8.8	58	233	89	26	14	9.4
25	12	9.5	6	8	7.8	8.2	54	229	84	24	12	8.9
26	12	9.5	6.4	8	7.8	7.8	44	217	90	31	9.7	8.8
27	12	7.8	6.8	8.6	7.8	8	39	202	79	23	11	8.8
28	12	6.6	7.2	8.2	7.8	8.2	34	186	70	19	12	17
29	12	6	8.2	8	---	7.6	33	174	66	19	12	16
30	11	6	8	8	---	7	30	160	62	19	13	14
31	11	---	8	7.6	---	6.4	---	138	---	18	12	---
TOTAL	418	297.2	222.8	227.4	230	233.9	771.8	3467	2807	1055	530.7	326.3
MEAN	14	9.9	7.2	7.3	8.2	7.6	25.7	112	94	34	17.1	10.9
AC-FT	829	589	442	451	456	464	1530	6880	5570	2090	1050	647
MAX	17	12	8.6	8.6	9.2	8.8	58	233	135	59	45	17
MIN	11	6	5.4	5.6	6.8	6	6.6	29	62	18	9.7	6.6

CAL YR	2004	TOTAL	6821.2	MEAN	18.6	MAX	124	MIN	3.6	AC-FT	13530
WTR YR	2005	TOTAL	10587.1	MEAN	29	MAX	233	MIN	5.4	AC-FT	21000

MAX DISCH: 255 CFS AT 21:15 ON May. 23, 2005 GH 3.29 FT. SHIFT 0.03 FT.
MAX GH: 3.29 FT. AT 21:15 ON May. 23, 2005

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

08242500 UTE CREEK NEAR FORT GARLAND CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO

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

DRAINAGE AREA.--396 mi².

GAGE.--Graphic water-stage recorder 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. The shaft encoder float was in an oil cylinder and therefore was the only record used from Nov. 30, 2004 through Mar. 10, 2005 when remainder of well was frozen. Stage-discharge relation was affected by ice Nov. 29, and Dec. 22, 2004. Record is good except for periods of ice affected record, which are fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TRISMIC011 USED FROM 01-OCT-2004 TO 30-SEP-2005

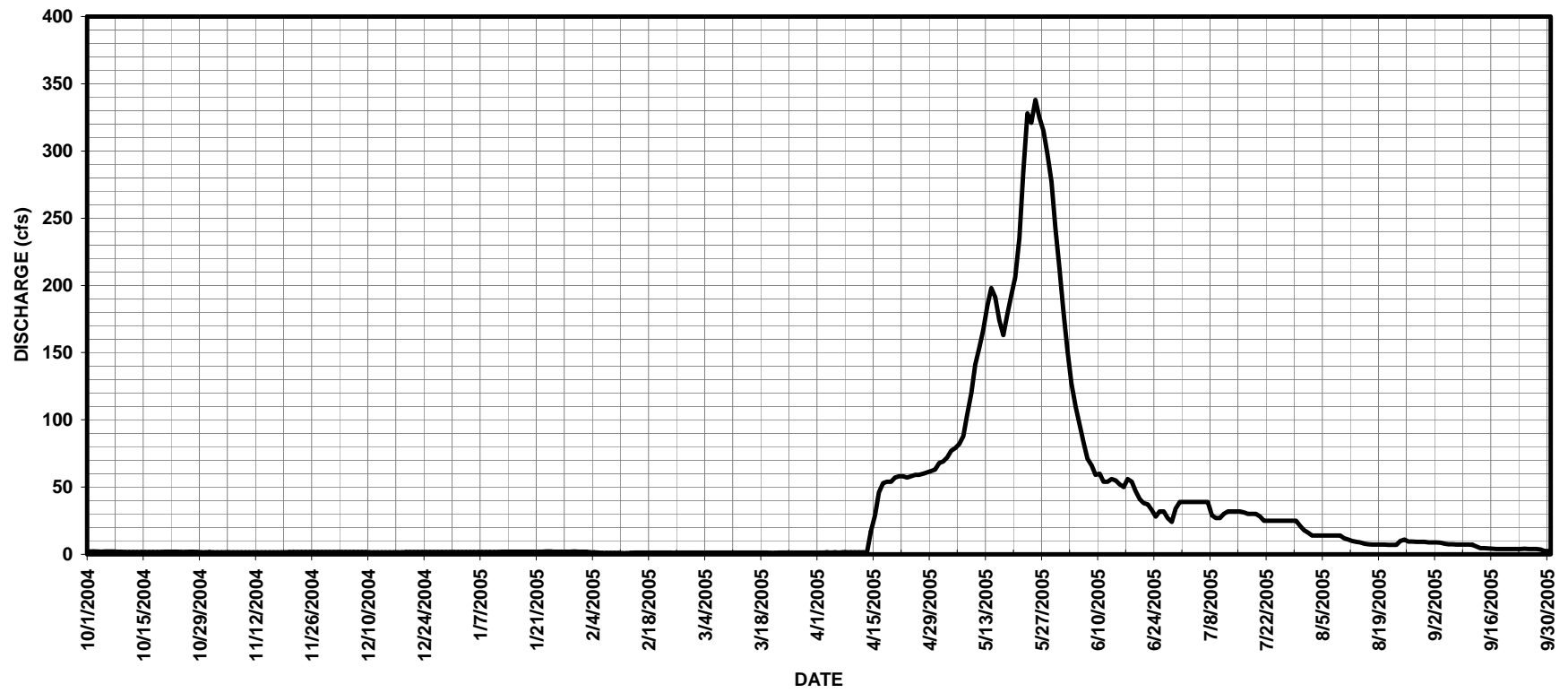
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	1.5	1.7	1.7	1.8	1.3	1.3	68	181	39	16	8.8
2	2.0	1.4	1.7	1.7	1.8	1.3	1.3	69	151	39	14	8.8
3	2.0	1.5	1.7	1.7	1.4	1.2	1.4	72	127	39	14	8.6
4	1.9	1.5	1.7	1.7	1.4	1.2	1.3	77	110	39	14	7.9
5	2.1	1.5	1.7	1.7	1.3	1.2	1.4	79	97	39	14	7.4
6	2.0	1.5	1.7	1.7	1.1	1.2	1.3	82	83	39	14	7.4
7	2.0	1.4	1.7	1.7	1.0	1.3	1.4	88	71	39	14	7.3
8	1.9	1.4	1.7	1.7	1.0	1.2	1.4	104	66	29	14	7.2
9	1.8	1.4	1.6	1.7	1.1	1.2	1.4	120	59	27	14	7.2
10	1.7	1.4	1.5	1.7	.98	1.3	1.4	141	60	27	12	7.2
11	1.7	1.4	1.5	1.7	.88	1.2	1.4	154	54	30	11	7.1
12	1.7	1.4	1.5	1.8	.89	1.2	1.4	167	54	32	9.9	5.7
13	1.7	1.4	1.5	1.8	1.1	1.2	1.4	185	56	32	9.2	4.6
14	1.6	1.4	1.5	1.8	1.3	1.3	1.7	198	55	32	8.9	4.6
15	1.6	1.4	1.5	1.8	1.3	1.3	2.9	191	52	32	7.9	4.4
16	1.7	1.4	1.5	1.8	1.2	1.3	4.6	174	50	31	7.4	4.1
17	1.7	1.4	1.5	1.8	1.2	1.3	5.3	163	56	30	7.3	4.0
18	1.7	1.4	1.5	1.8	1.2	1.2	5.4	178	54	30	7.3	4.0
19	1.7	1.4	1.6	1.8	1.3	1.2	5.4	193	47	30	7.2	4.0
20	1.8	1.6	1.6	1.8	1.2	1.1	5.7	206	41	28	7.2	4.0
21	1.8	1.7	1.6	1.8	1.3	1.1	5.8	235	38	25	6.9	4.0
22	1.8	1.7	1.6	1.9	1.3	1.2	5.8	284	37	25	6.9	4.0
23	1.8	1.7	1.7	2.0	1.2	1.3	5.7	328	33	25	6.9	4.0
24	1.7	1.7	1.7	2.0	1.1	1.3	5.8	321	28	25	9.8	4.1
25	1.7	1.7	1.7	1.9	1.2	1.3	5.9	338	32	25	11	4.0
26	1.8	1.7	1.7	1.8	1.2	1.3	5.9	325	32	25	9.5	3.9
27	1.8	1.7	1.7	1.9	1.2	1.3	6.0	315	27	25	9.4	3.9
28	1.7	1.6	1.7	1.9	1.2	1.3	6.1	298	24	25	9.2	3.5
29	1.5	1.6	1.7	1.9	---	1.3	6.2	277	34	25	9.2	2.5
30	1.5	1.7	1.7	2.0	---	1.3	6.3	243	39	21	9.2	2.5
31	1.6	---	1.7	1.9	---	1.3	---	212	---	18	8.9	---
TOTAL	55.0	45.5	50.4	55.9	34.15	38.7	922.8	5885	1848	927	320.2	160.7
MEAN	1.77	1.52	1.63	1.80	1.22	1.25	30.8	190	61.6	29.9	10.3	5.36
AC-FT	109	90	100	111	68	77	1830	11670	3670	1840	635	319
MAX	2.1	1.7	1.7	2.0	1.8	1.3	6.3	338	181	39	16	8.8
MIN	1.5	1.4	1.5	1.7	.88	1.1	1.3	68	24	18	6.9	2.5
CAL YR 2004	TOTAL	3447.42	MEAN	9.42	MAX	44	MIN	.88	AC-FT	6840		
WTR YR 2005	TOTAL	10343.35	MEAN	28.3	MAX	338	MIN	.88	AC-FT	20520		

MAX DISCH: 392 CFS AT 17:30 ON May. 25, 2005 GH 5.10 FT. SHIFT 0.24 FT.
MAX GH: 5.10 FT. AT 17:30 ON May. 25, 2005

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

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR NEAR BLANCA CO
WY2005 HYDROGRAPH



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 mi². 1937 - 1953 at site one mile downstream. May 1952 to current year at present site.

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring system in a timber shelter and concrete well. The control is a concrete weir with sloping sides. Datum of gage is 9,866.60 ft above National Geodetic Vertical Datum of 1929.

REMARKS.-- Record is complete and reliable except for November 10, 2004 through April 7, 2005 when the station was closed for the winter. Record is good except for period of no gage-height record, which is fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CONPLACO13 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

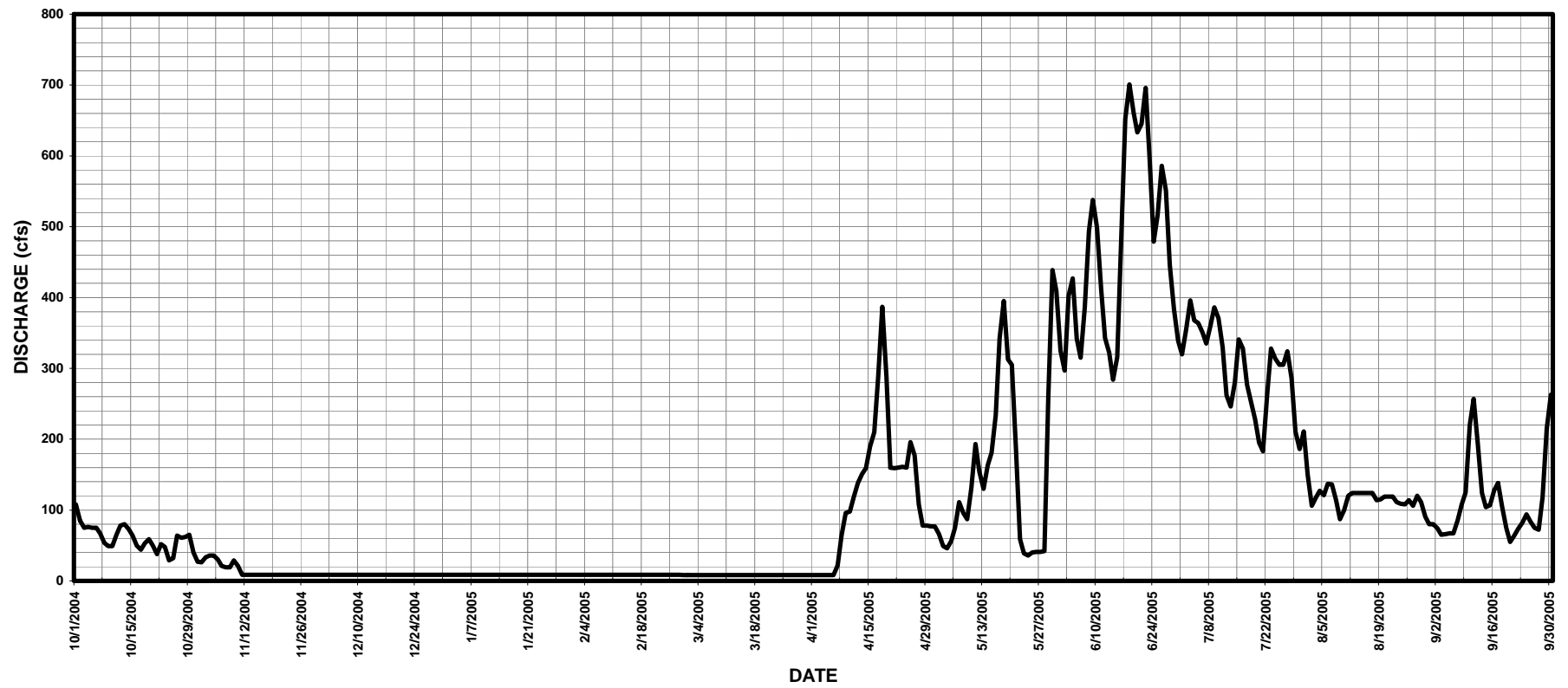
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	26	8.6	8.6	8.5	8.3	8.2	77	325	320	150	80
2	85	33	8.6	8.6	8.5	8.3	8.2	66	297	355	106	74
3	75	36	8.6	8.6	8.5	8.3	8.2	49	402	396	117	65
4	76	36	8.6	8.6	8.5	8.3	8.2	46	427	368	127	66
5	75	30	8.6	8.6	8.5	8.3	8.2	56	342	364	121	67
6	75	21	8.6	8.6	8.5	8.3	8.2	75	315	351	137	67
7	67	19	8.6	8.6	8.5	8.3	22	111	386	335	136	85
8	54	19	8.6	8.6	8.4	8.3	64	96	494	360	114	108
9	49	29	8.6	8.6	8.4	8.3	96	87	538	386	87	125
10	49	21	8.6	8.6	8.4	8.3	98	131	499	371	100	220
11	65	8.6	8.6	8.6	8.4	8.3	118	193	412	330	120	257
12	78	8.6	8.6	8.6	8.4	8.3	138	154	343	262	124	193
13	80	8.6	8.6	8.6	8.4	8.3	151	130	322	246	124	124
14	73	8.6	8.6	8.6	8.4	8.3	159	163	284	280	124	104
15	64	8.6	8.6	8.6	8.4	8.3	190	181	316	341	124	107
16	50	8.6	8.6	8.6	8.4	8.3	210	234	490	328	124	128
17	44	8.6	8.6	8.6	8.4	8.3	287	343	652	277	124	138
18	53	8.6	8.6	8.6	8.4	8.3	387	395	701	253	114	105
19	59	8.6	8.6	8.6	8.4	8.2	288	313	661	228	115	75
20	49	8.6	8.6	8.5	8.4	8.2	160	305	633	195	119	55
21	38	8.6	8.6	8.5	8.4	8.2	159	189	645	183	119	64
22	52	8.6	8.6	8.5	8.4	8.2	160	59	696	263	119	74
23	48	8.6	8.6	8.5	8.4	8.2	161	39	598	328	111	82
24	29	8.6	8.6	8.5	8.4	8.2	160	36	479	314	109	94
25	32	8.6	8.6	8.5	8.4	8.2	196	40	516	305	108	84
26	64	8.6	8.6	8.5	8.4	8.2	177	41	586	305	114	75
27	61	8.6	8.6	8.5	8.4	8.2	108	41	551	324	106	72
28	62	8.6	8.6	8.5	8.3	8.2	78	42	446	286	120	118
29	65	8.6	8.6	8.5	---	8.2	78	260	384	211	111	215
30	40	8.6	8.6	8.5	---	8.2	77	439	339	186	91	263
31	27	---	8.6	8.5	---	8.2	---	409	---	211	80	---
TOTAL	1846	442	266.6	265.4	235.8	256	3771.2	4800	14079	9262	3595	3384
MEAN	60	14.7	8.6	8.6	8.4	8.3	126	155	469	299	116	113
AC-FT	3660	877	529	526	468	508	7480	9520	27930	18370	7130	6710
MAX	108	36	8.6	8.6	8.5	8.3	387	439	701	396	150	263
MIN	27	8.6	8.6	8.5	8.3	8.2	8.2	36	284	183	80	55

CAL YR	2004	TOTAL	30690.6	MEAN	83.9	MAX	576	MIN	8.0	AC-FT	60870
WTR YR	2005	TOTAL	42203	MEAN	116	MAX	701	MIN	8.2	AC-FT	83710

MAX DISCH: 732 CFS AT 01:45 ON Jun. 23, 2005 GH 3.30 FT. SHIFT -0.05 FT.
MAX GH: 3.30 FT. AT 01:45 ON Jun. 23, 2005

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

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR CO
WY2005 HYDROGRAPH



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 mi². 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.--Sutron satellite monitoring system with thermistor and tipping-bucket rain gage in a 5 ft. diameter metal shelter and well. Gage is also equipped with a Graphic water-stage recorder. 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 November 29, 2004 through March 3, 2005, and March 10-18, 2005. Record is good except for the periods of ice-affected record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CONMOGCO12 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

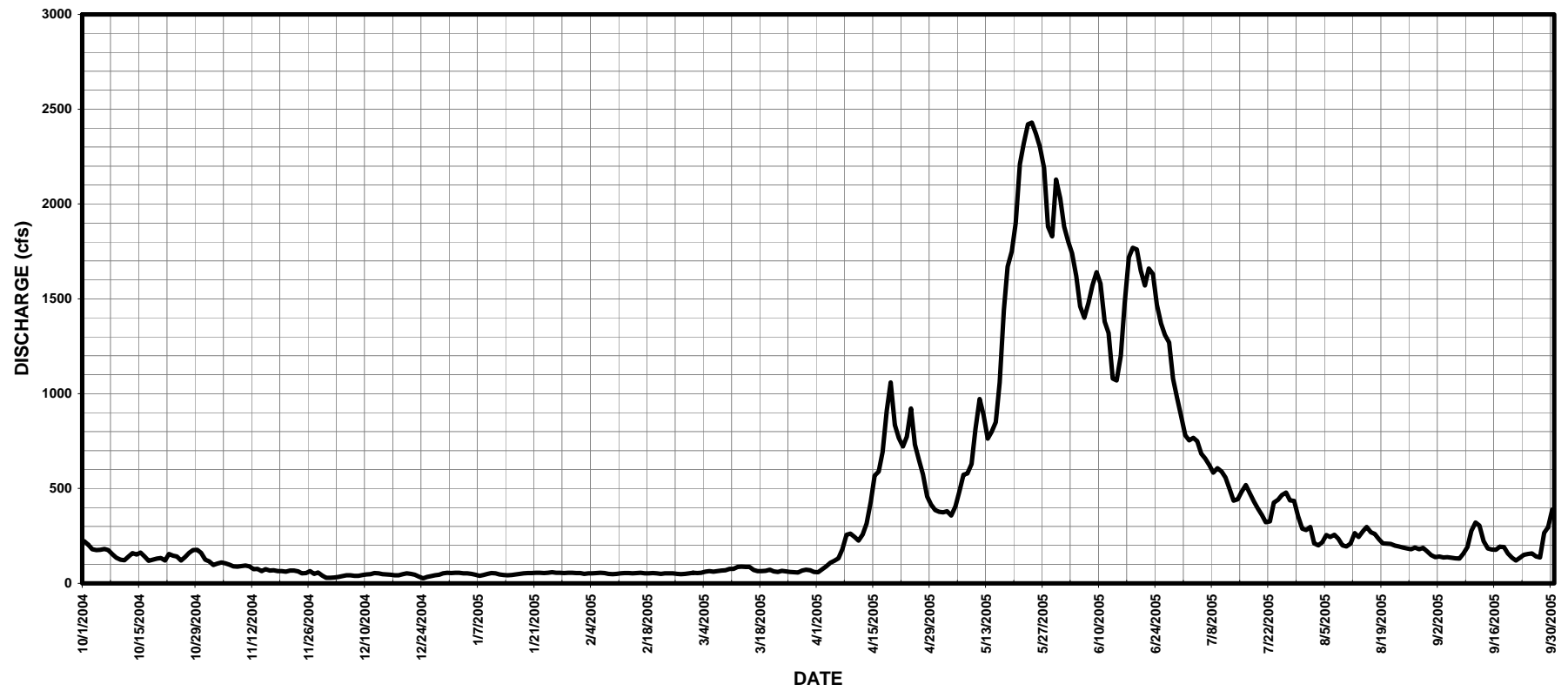
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	222	116	29	56	54	56	59	377	1880	780	297	138
2	204	97	31	56	50	54	74	374	1800	754	211	142
3	180	104	34	53	52	56	89	380	1740	767	201	136
4	176	110	38	52	52	61	109	357	1620	749	217	137
5	177	105	42	50	54	64	119	405	1460	683	254	134
6	181	98	43	45	56	62	132	483	1400	658	245	131
7	175	89	40	40	54	64	180	572	1480	624	256	130
8	154	88	40	44	50	67	256	579	1570	584	236	156
9	134	91	44	50	48	69	262	629	1640	607	201	192
10	125	93	47	54	50	76	245	814	1580	590	194	276
11	121	90	49	52	52	76	225	971	1380	558	210	320
12	142	75	54	47	54	86	257	889	1320	496	265	304
13	160	76	52	44	54	88	315	762	1080	436	244	223
14	152	65	49	42	52	86	430	799	1070	444	273	184
15	163	74	47	44	54	86	568	850	1200	483	297	178
16	140	68	45	47	56	70	590	1060	1480	518	270	177
17	119	69	42	50	52	64	692	1440	1720	475	260	193
18	124	65	43	52	52	64	912	1670	1770	432	233	191
19	130	64	48	54	54	66	1060	1750	1760	395	211	158
20	133	62	52	54	52	72	835	1900	1650	360	210	135
21	120	68	50	56	50	63	767	2210	1570	322	208	120
22	155	68	46	56	52	60	722	2320	1660	327	199	135
23	147	63	35	54	52	66	773	2420	1630	426	195	151
24	142	52	27	56	52	63	922	2430	1470	440	189	155
25	120	54	33	58	50	60	732	2370	1370	466	185	158
26	137	64	38	56	48	59	649	2300	1310	478	180	142
27	161	50	42	56	50	57	573	2190	1270	437	189	136
28	176	57	45	54	52	68	458	1880	1080	435	180	267
29	177	41	52	56	---	71	415	1830	974	354	187	295
30	161	29	56	56	---	69	386	2130	882	288	168	389
31	124	---	54	54	---	60	---	2030	---	281	150	---
TOTAL	4732	2245	1347	1598	1458	2083	13806	41171	43816	15647	6815	5583
MEAN	153	75	44	52	52	67	460	1328	1461	505	220	186
AC-FT	9390	4450	2670	3170	2890	4130	27380	81660	86910	31040	13520	11070
MAX	222	116	56	58	56	88	1060	2430	1880	780	297	389
MIN	119	29	27	40	48	54	59	357	882	281	150	120

CAL YR 2004 TOTAL 99298 MEAN 271 MAX 1670 MIN 27 AC-FT 197000
WTR YR 2005 TOTAL 140301 MEAN 384 MAX 2430 MIN 27 AC-FT 278300

MAX DISCH: 2640 CFS AT 06:30 ON May. 24, 2005 GH 5.85 FT. SHIFT -0.02 FT.
MAX GH: 5.85 FT. AT 06:30 ON May. 24, 2005

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

08246500 CONEJOS RIVER NEAR MOGOTE CO
WY2005 HYDROGRAPH



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.--Graphic water-stage recorder in metal pipe shelter and well. Sutron satellite monitoring system. Elevation of gage is 7,970 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for the periods December 1, 2004 through March 1, 2005 when the station was closed for the winter, and November 30, 2004 when floats were affected by ice in well. The stage-discharge relation was affected by ice November 23, 24, 27-29, 2004; and March 2-22, 2005. There was no flow October 1, 2, 2004; July 9 - August 8, September 1-8, 2005 (41 days). 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.--SANORTCO14 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

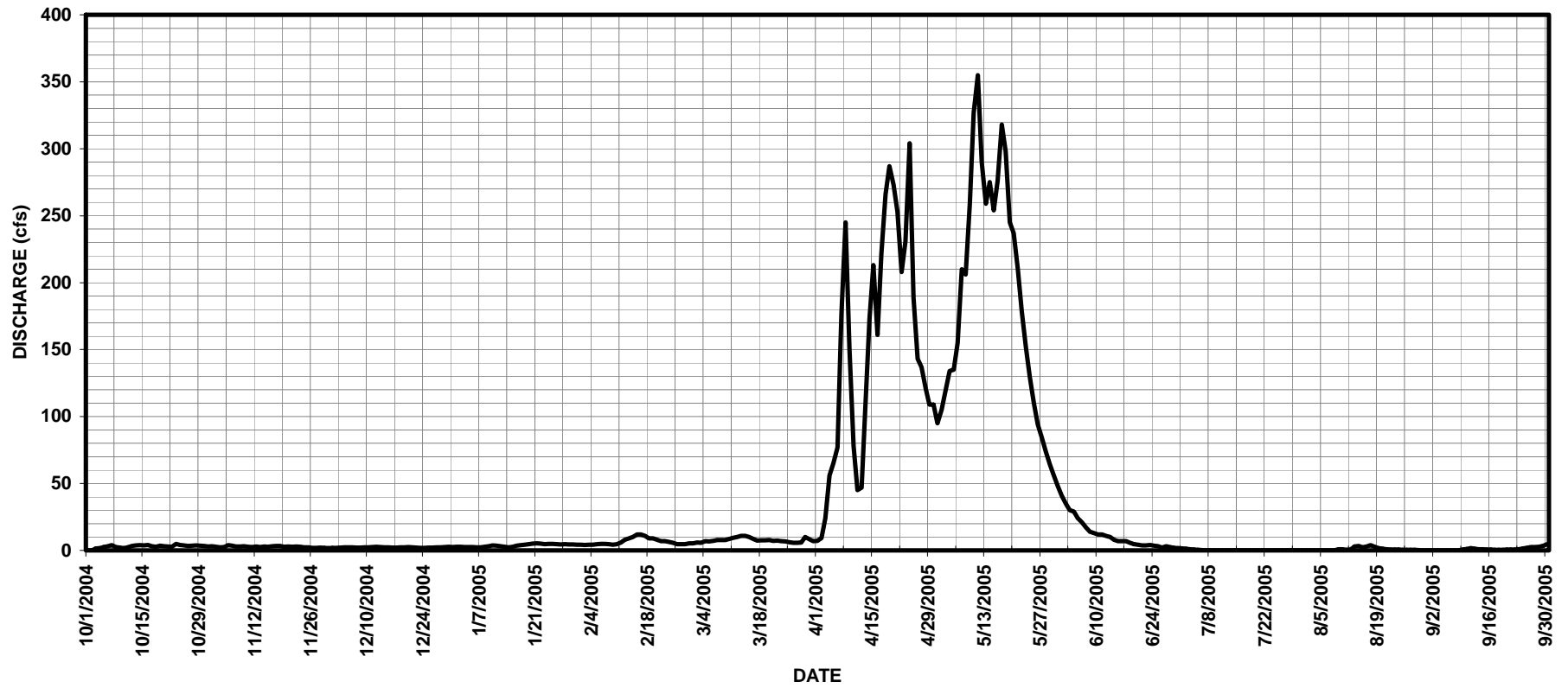
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	3	1.8	2.6	4.4	5.4	7.3	95	41	1.5	0	0
2	0	2.6	1.9	2.6	4.2	6	9.2	105	35	1.2	0	0
3	1.5	2.3	2	2.5	4.4	5.8	24	119	30	.9	0	0
4	1.7	2.5	2.2	2.5	4.4	7	56	134	29	.62	0	0
5	2.5	3.9	2.2	2.4	4.8	6.8	65	135	24	.35	0	0
6	3	3.6	2.2	2.3	5	7.2	77	155	21	.19	0	0
7	4	2.8	2.1	2.2	5	7.8	176	210	17	.1	0	0
8	2.4	2.9	2.1	2.6	4.8	7.8	245	206	14	.02	0	0
9	2	3.1	2.2	3	4.4	7.8	151	259	13	0	.83	.55
10	1.7	2.7	2.3	3.7	4.8	8.6	78	327	12	0	.77	1
11	2.3	2.5	2.4	3.5	6	9.4	45	355	12	0	.48	1.7
12	3.2	2.8	2.6	3	8	10	47	290	11	0	.52	1.2
13	3.8	2.5	2.4	2.7	9	11	107	259	10	0	2.9	.92
14	3.9	2.8	2.3	2.2	10	11	173	275	8.1	0	3.3	.76
15	3.7	2.6	2.2	2.7	12	10	213	254	6.9	0	2.2	.67
16	4.1	3	2.1	3.5	12	8.6	161	276	7.1	0	2.9	.65
17	3	3.3	2.1	4	11	7.4	222	318	7.1	0	3.9	.41
18	2.6	3.3	2.2	4.4	9	7.6	266	298	5.7	0	2.6	.43
19	3.4	2.6	2.3	4.8	9	7.6	287	245	4.8	0	1.7	.43
20	3.1	2.9	2.5	5.2	8	7.8	273	237	4.4	0	1.2	.52
21	2.8	2.6	2.3	5.4	7	7.2	253	210	3.8	0	.87	.61
22	2.7	2.9	2.1	5.2	7	7.4	208	179	3.7	0	.68	.54
23	5	2.6	1.9	4.7	6.4	7.1	231	152	4.1	0	.64	.92
24	4.1	2.2	1.8	5	5.8	6.7	304	130	3.6	0	.6	1.4
25	3.8	2.2	2	5	4.8	6.2	189	110	3	0	.51	1.9
26	3.2	1.9	2.1	4.8	4.8	5.8	143	94	2	0	.38	2.4
27	3.5	1.9	2.2	4.6	4.8	5.8	137	84	3	0	.51	2.5
28	3.7	2.1	2.3	4.8	5.4	6	121	74	2.5	0	.35	2.7
29	3.5	1.8	2.4	4.6	---	10	109	64	1.9	0	.2	3.3
30	3.3	1.6	2.6	4.5	---	8.5	109	56	1.6	0	.1	4.8
31	2.9	---	2.5	4.4	---	7.1	---	48	---	0	.03	---
TOTAL	90.4	79.5	68.3	115.4	186.2	238.4	4486.5	5753	342.3	4.88	28.17	30.31
MEAN	2.92	2.7	2.2	3.7	6.7	7.7	150	186	11.4	.16	.91	1.01
AC-FT	179	158	135	229	369	473	8900	11410	679	9.7	56	60
MAX	5	3.9	2.6	5.4	12	11	304	355	41	1.5	3.9	4.8
MIN	0	1.6	1.8	2.2	4.2	5.4	7.3	48	1.6	0	0	0

CAL YR	2004	TOTAL	6854.71	MEAN	18.7	MAX	187	MIN	0	AC-FT	13600
WTR YR	2005	TOTAL	11423.36	MEAN	31.3	MAX	355	MIN	0	AC-FT	22660

MAX DISCH: 464 CFS AT 23:00 ON Apr. 7, 2005 GH 4.33 FT. SHIFT 0 FT.
MAX GH: 4.33 FT. AT 23:00 ON Apr. 7, 2005

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

08247500 SAN ANTONIO RIVER AT ORTIZ CO
WY2005 HYDROGRAPH



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 mi². 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 December 1, 2004 through March 1, 2005 when the station was closed for the winter, and March 16-22, 2005 when the well was frozen. Stage-discharge relation affected by ice November 3, 4, 24-30, 2004, March 2-6, and 15, 2005. 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-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

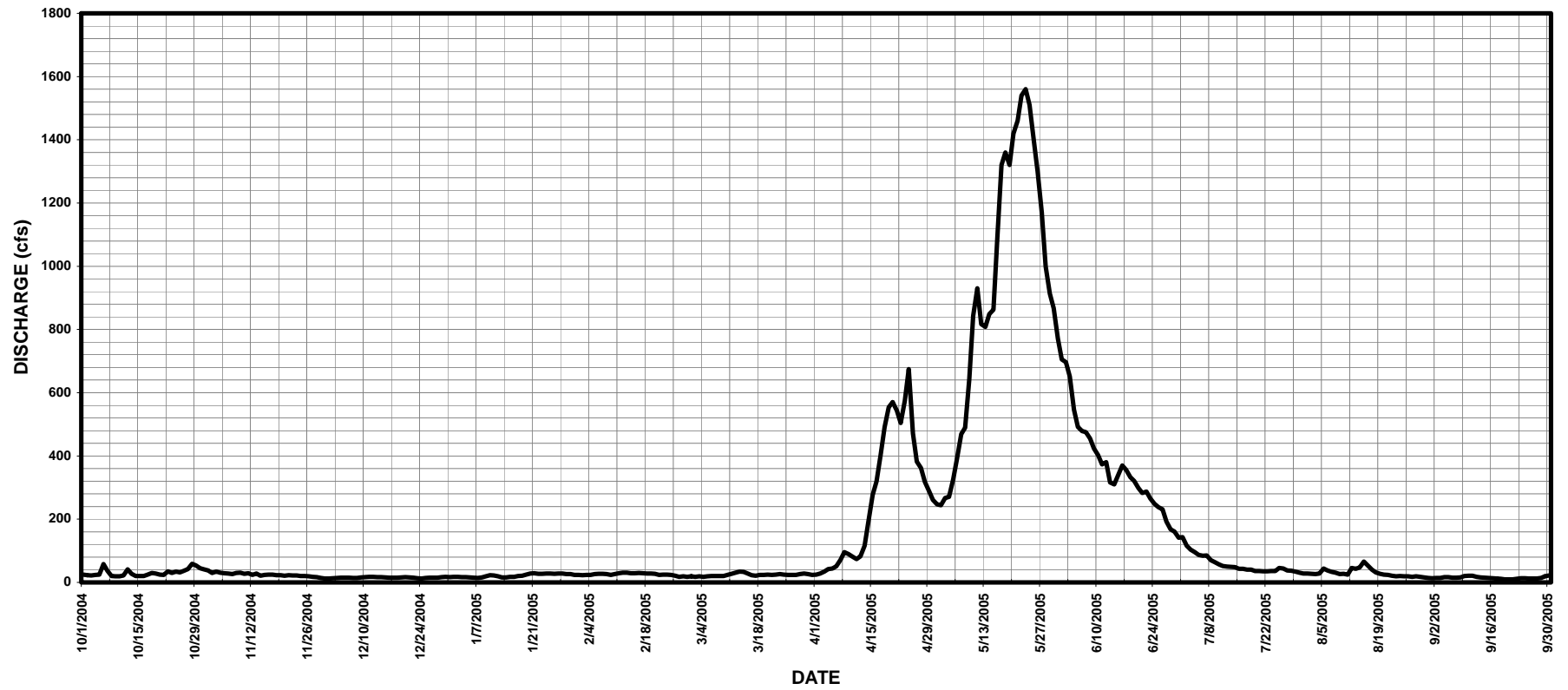
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	38	12	18	24	19	25	247	705	143	28	13
2	23	30	13	18	23	18	28	244	697	116	27	14
3	22	34	14	17	24	19	34	267	651	104	26	14
4	24	31	15	17	24	18	42	271	546	96	28	17
5	25	29	15	16	26	19	44	326	492	87	44	17
6	58	28	15	15	27	20	51	393	479	84	38	15
7	37	26	14	14	27	20	71	469	475	85	33	15
8	20	30	14	16	26	20	96	489	455	70	31	16
9	19	31	16	19	24	20	90	643	423	64	26	20
10	19	27	17	23	26	24	82	843	402	57	27	21
11	22	29	18	22	29	27	74	930	373	52	25	21
12	41	24	18	19	31	31	83	817	380	50	46	18
13	27	28	17	16	31	34	116	808	316	49	43	16
14	20	21	17	16	29	33	194	849	310	48	47	15
15	20	24	16	18	29	28	277	863	339	43	66	14
16	20	25	15	18	30	23	320	1090	370	43	54	13
17	25	25	15	20	29	21	405	1320	356	40	40	12
18	30	23	15	21	28	24	491	1360	333	40	32	11
19	28	23	16	25	28	24	554	1320	321	36	27	10
20	25	21	17	28	27	25	570	1420	299	36	25	10
21	24	23	16	29	24	24	544	1460	283	35	24	10
22	35	22	15	27	25	25	504	1540	287	35	21	11
23	30	22	13	27	25	26	575	1560	265	36	19	13
24	34	20	12	28	24	25	675	1510	249	36	20	13
25	32	20	14	28	21	24	472	1400	238	46	19	12
26	37	19	15	27	18	24	382	1300	231	44	19	12
27	42	18	15	28	19	24	362	1170	192	38	18	12
28	59	17	15	28	18	26	318	1000	168	37	19	14
29	54	14	17	26	---	28	289	914	161	34	18	19
30	45	12	18	26	---	26	261	867	141	31	16	22
31	41	---	17	24	---	24	---	771	---	28	14	---
TOTAL	963	734	476	674	716	743	8029	28461	10937	1743	920	440
MEAN	31	25	15	22	26	24	268	918	365	56	30	15
AC-FT	1910	1460	944	1340	1420	1470	15930	56450	21690	3460	1820	873
MAX	59	38	18	29	31	34	675	1560	705	143	66	22
MIN	19	12	12	14	18	18	25	244	141	28	14	10

CAL YR 2004 TOTAL 33510.7 MEAN 91.6 MAX 819 MIN 7.3 AC-FT 66470
WTR YR 2005 TOTAL 54836 MEAN 150 MAX 1560 MIN 10 AC-FT 108800

MAX DISCH: 1810 CFS AT 02:15 ON May. 22, 2005 GH 6.30 FT. SHIFT -0.11 FT.
MAX GH: 6.30 FT. AT 02:15 ON May. 22, 2005

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

08248000 LOS PINOS RIVER NEAR ORTIZ CO
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO

LOCATION.--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

DRAINAGE AREA.--348 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry in metal pipe shelter and well. Altitude of gage is 7,650 ft. from topographic map.

REMARKS.--Record is complete and reliable except for November 29, 2004 when the well was frozen, November 30, 2004 through February 24, 2005 when the station was closed for the winter, and March 15, 2005 when the chart recorder was not operating and the satellite data was incomplete. The stage-discharge relation was affected by ice March 14, 16, 17, 2005. There was no flow October 1-24, 2004, July 27 - August 6, August 22 - September 30, 2005. There was no flow for 75 days. Record is good except for periods of no gage height and ice effect, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANMANCO19A USED FROM 01-OCT-2004 TO 06-JUN-2005
 SANMANCO19B USED FROM 06-JUN-2005 TO 30-SEP-2005

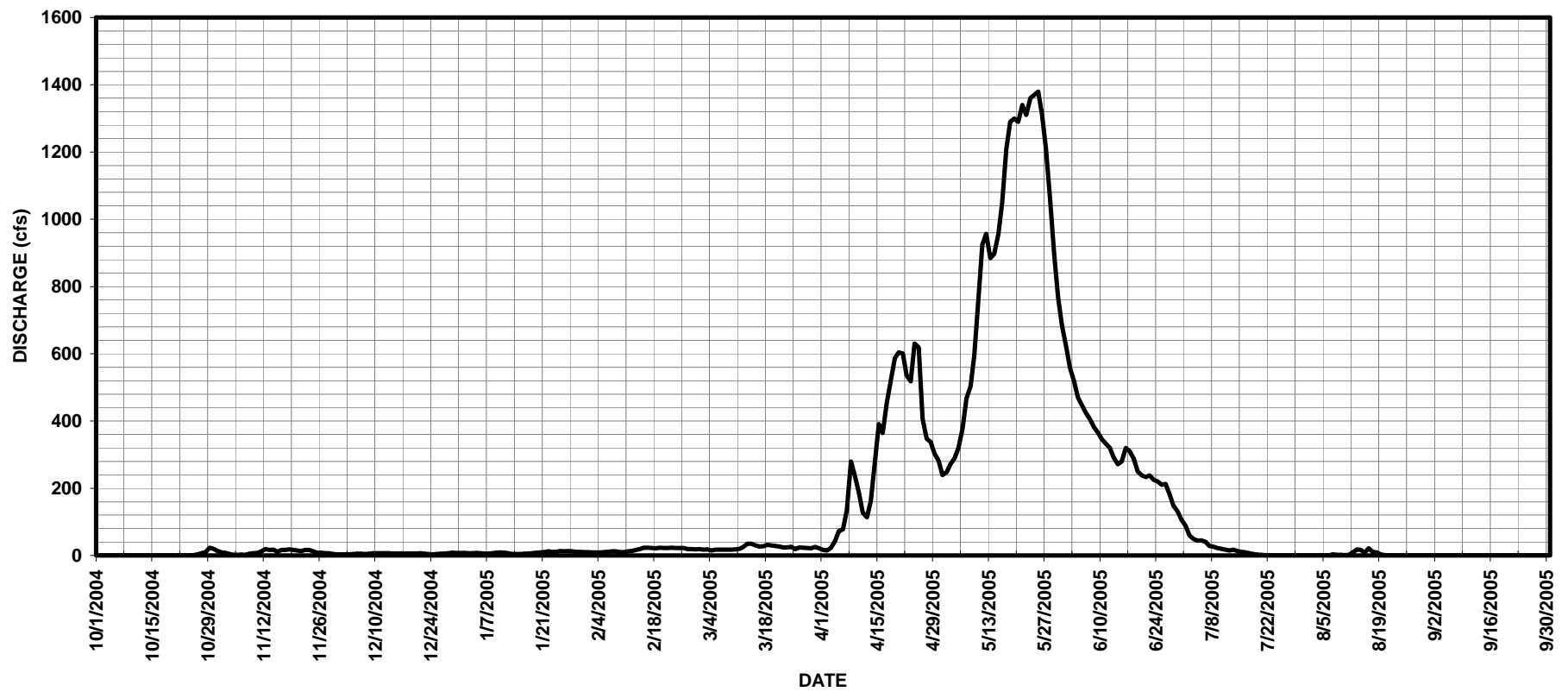
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	9.2	3.4	7.4	10	19	16	239	622	88	0	0
2	0	7.4	3.4	6.6	9	17	15	247	558	60	0	0
3	0	3.8	3.6	6.6	9	18	23	272	518	49	0	0
4	0	1.9	4	7.2	9	15	43	290	470	44	0	0
5	0	1.6	5	6.6	10	17	73	320	446	45	0	0
6	0	2.4	4.8	6	11	17	78	378	424	41	0	0
7	0	1.9	4.4	5.6	12	17	134	467	405	29	3	0
8	0	4.8	4.8	6.6	12	17	280	503	381	26	1.8	0
9	0	6.9	6.2	8.2	10	17	237	597	366	22	1.6	0
10	0	7.4	6.2	8.8	10	18	186	764	345	20	.84	0
11	0	12	6.8	8.2	12	20	127	925	333	17	1.3	0
12	0	19	6.8	6.4	13	25	114	957	320	15	8.8	0
13	0	16	6.4	4.4	16	35	163	885	291	17	18	0
14	0	17	6	4.4	19	35	281	897	272	13	16	0
15	0	11	6	4.4	23	30	391	955	280	11	8.4	0
16	0	16	6	5	23	27	364	1050	320	9.4	21	0
17	0	16	5.4	6	22	28	455	1210	310	6.6	11	0
18	0	18	5.6	6.8	21	32	519	1290	287	4.1	8.9	0
19	0	16	5.6	8	23	30	587	1300	250	2.4	2.9	0
20	0	15	6	9	22	29	604	1290	238	1.5	.43	0
21	0	13	6.4	10	22	27	601	1340	233	.88	.02	0
22	0	16	5.2	12	23	24	536	1310	238	.43	0	0
23	0	16	3.8	11	22	24	518	1360	225	.31	0	0
24	0	12	3.4	11	22	26	630	1370	220	.22	0	0
25	.7	7.8	4.4	13	22	19	619	1380	210	.08	0	0
26	3.4	8	5	12	19	24	407	1310	213	.03	0	0
27	6.2	6.3	5.8	13	19	23	347	1210	181	0	0	0
28	9.8	6.9	6.6	12	18	22	338	1060	148	0	0	0
29	23	4.4	7.8	11	---	21	304	904	131	0	0	0
30	20	3.4	7.4	11	---	25	282	768	106	0	0	0
31	13	---	7	10	---	21	---	684	---	0	0	---
TOTAL	76.1	297.1	169.2	258.2	463	719	9272	27532	9341	522.95	103.99	0
MEAN	2.45	9.9	5.5	8.3	16.5	23	309	888	311	16.9	3.35	0
AC-FT	151	589	336	512	918	1430	18390	54610	18530	1040	206	0
MAX	23	19	7.8	13	23	35	630	1380	622	88	21	0
MIN	0	1.6	3.4	4.4	9	15	15	239	106	0	0	0
CAL YR 2004	TOTAL	23210.74	MEAN	63.4	MAX	644	MIN	0	AC-FT	46040		
WTR YR 2005	TOTAL	48754.54	MEAN	134	MAX	1380	MIN	0	AC-FT	96700		

MAX DISCH: 1430 CFS AT 21:45 ON May. 23, 2005 GH 6.63 FT. SHIFT 0 FT.
 MAX GH: 6.63 FT. AT 21:45 ON May. 23, 2005

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

08248500 SAN ANTONIO RIVER AT MOUTH NEAR MANASSA CO
WY2005 HYDROGRAPH



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 LaSausés, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². 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. Stage-discharge relation affected by ice November 29 - December 9, December 22-29, 2004; and January 7, 12-24, 2005. There was no flow October 1-30, 2004, and September 19-22, 25-30, 2005. (40 days). Record good except for periods of ice affected record, which are fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORLASC014 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

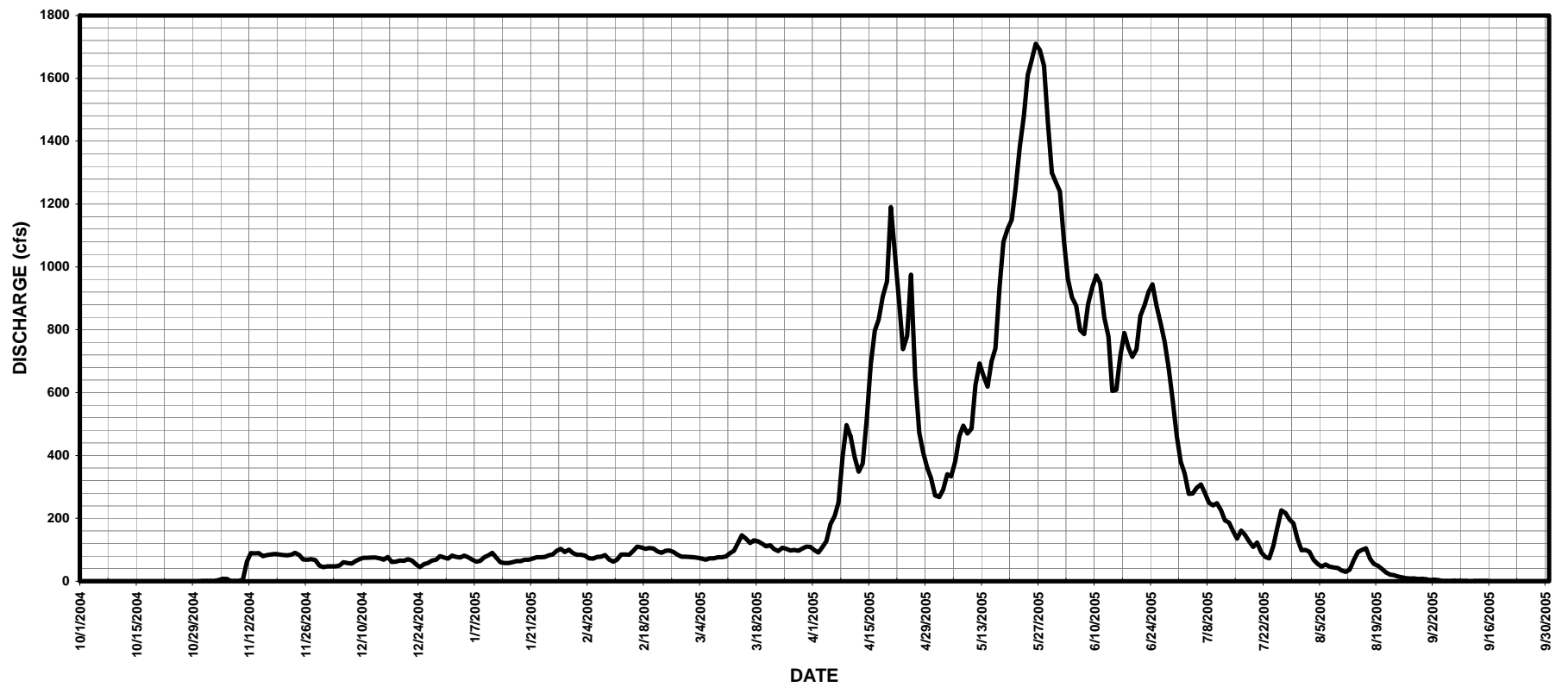
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	1.1	47	81	84	77	99	273	1240	380	100	3.1
2	0	.72	47	77	84	76	91	268	1080	343	94	5
3	0	.74	47	75	81	74	109	291	961	278	68	3.9
4	0	3.4	50	81	73	72	128	340	903	279	55	1
5	0	8.3	60	76	72	68	182	333	876	297	46	1
6	0	7.1	58	68	77	73	207	382	799	308	53	1
7	0	.87	56	62	78	73	251	462	786	282	46	1.5
8	0	.81	64	65	83	76	399	495	881	250	44	.47
9	0	.86	70	76	69	76	497	470	934	241	42	.52
10	0	4.2	74	82	62	79	459	485	973	248	34	.49
11	0	62	74	90	68	89	393	624	948	226	30	.19
12	0	89	75	74	85	97	348	693	839	193	37	.59
13	0	88	75	60	85	122	374	654	778	186	67	1.2
14	0	89	73	58	84	146	519	619	605	158	93	.88
15	0	80	68	58	97	136	688	700	609	136	100	.46
16	0	83	77	60	110	122	798	741	714	161	105	.34
17	0	85	61	64	108	130	833	937	790	148	72	.2
18	0	87	62	64	103	127	907	1080	743	127	55	.12
19	0	85	66	68	106	120	953	1120	714	109	49	0
20	0	83	65	68	104	111	1190	1150	737	123	39	0
21	0	82	70	72	95	115	1040	1250	844	92	28	0
22	0	84	66	76	90	102	899	1380	877	77	21	0
23	0	90	54	76	97	96	738	1480	921	73	19	.11
24	0	83	45	77	98	107	780	1610	945	113	15	.1
25	0	69	54	82	93	103	975	1660	875	169	12	0
26	0	68	58	85	84	98	652	1710	819	226	10	0
27	0	70	66	97	78	100	472	1690	763	217	9	0
28	0	67	68	103	78	97	410	1640	676	197	8.5	0
29	0	50	80	93	---	104	362	1460	577	184	7.4	0
30	0	45	75	101	---	110	328	1300	462	136	8	0
31	.96	---	72	89	---	109	---	1270	---	99	6.2	---
TOTAL	.96	1567.1	1977	2358	2426	3085	16081	28567	24669	6056	1373.1	22.17
MEAN	.03	52.2	64	76	87	100	536	922	822	195	44.3	.74
AC-FT	1.9	3110	3920	4680	4810	6120	31900	56660	48930	12010	2720	44
MAX	.96	90	80	103	110	146	1190	1710	1240	380	105	5
MIN	0	.72	45	58	62	68	91	268	462	73	6.2	0

CAL YR 2004 TOTAL 36246.6 MEAN 99 MAX 681 MIN 0 AC-FT 71900
WTR YR 2005 TOTAL 88182.33 MEAN 242 MAX 1710 MIN 0 AC-FT 174900

MAX DISCH: 1750 CFS AT 17:45 ON May. 26, 2005 GH 6.86 FT. SHIFT -0.03 FT.
MAX GH: 6.86 FT. AT 17:45 ON May. 26, 2005

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

08249000 CONEJOS RIVER NEAR LASAUSES CO, MAIN (NORTH) CHANNEL
WY2005 HYDROGRAPH



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 LaSauses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Water stage recorder since March 29, 1921 at various sites close to present location.

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring equipment in metal pipe shelter and well. 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 November 30, 2004 when the well was frozen, and December 1, 2004 through February 15, 2005 when the station was closed for the winter. There was no flow October 1 through November 12, 2004, and July 14 through September 30, 2005 (122 days). Record is good except for periods of no gage height record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SOULASCO07 USED FROM 01-OCT-2004 TO 30-SEP-2005

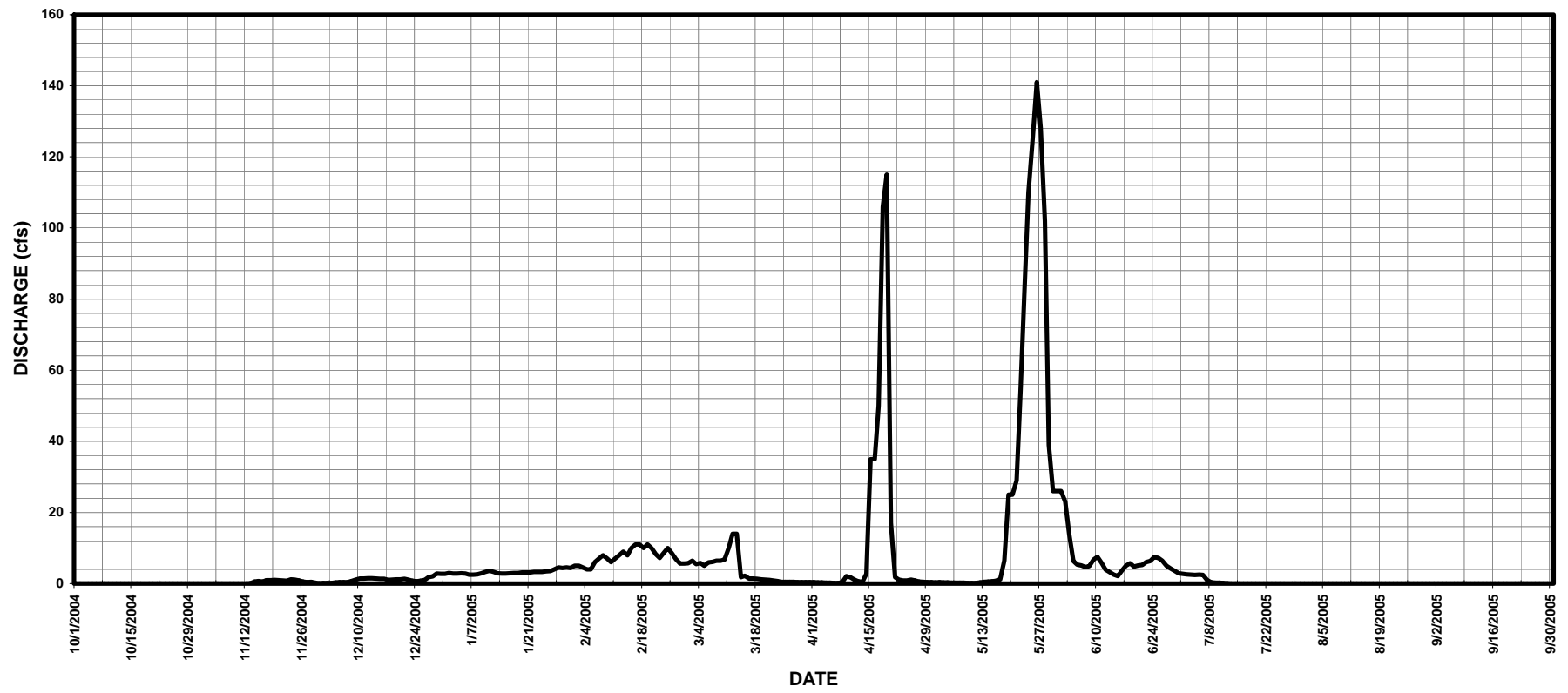
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	.12	3	5	5.7	.36	.35	26	2.7	0	0
2	0	0	.13	2.8	5	6.4	.34	.37	23	2.6	0	0
3	0	0	.17	2.8	4.5	5.5	.31	.32	14	2.5	0	0
4	0	0	.3	2.9	4	5.8	.26	.29	6.3	2.4	0	0
5	0	0	.4	2.8	4	5	.2	.26	5.3	2.5	0	0
6	0	0	.4	2.5	6	5.9	.17	.24	5.1	2.4	0	0
7	0	0	.4	2.5	7	6.1	.19	.21	4.6	1	0	0
8	0	0	.7	2.6	8	6.4	.29	.2	4.9	.41	0	0
9	0	0	1.1	2.9	7	6.4	.2	.19	6.7	.27	0	0
10	0	0	1.4	3.3	6	6.7	1.8	.18	7.5	.2	0	0
11	0	0	1.4	3.6	7	10	1.1	.19	5.8	.12	0	0
12	0	0	1.5	3.3	8	14	.65	.35	3.9	.06	0	0
13	0	.05	1.5	2.9	9	14	.44	.44	3.2	.03	0	0
14	0	.53	1.4	2.8	8	1.8	2.7	.52	2.5	0	0	0
15	0	.73	1.3	2.8	10	2.2	35	.62	2.1	0	0	0
16	0	.53	1.3	2.9	11	1.4	35	.81	3.7	0	0	0
17	0	.9	1	3	11	1.4	50	1.2	5	0	0	0
18	0	.9	1.1	3	10	1.3	106	6.5	5.7	0	0	0
19	0	1	1.2	3.1	11	1.2	115	25	4.8	0	0	0
20	0	.95	1.2	3.1	9.9	1.1	17	25	5.1	0	0	0
21	0	.89	1.3	3.1	8.3	1	1.8	29	5.2	0	0	0
22	0	.79	1.1	3.3	7.2	.89	1.1	54	6	0	0	0
23	0	1.2	.8	3.3	8.7	.67	.88	83	6.3	0	0	0
24	0	1.1	.6	3.3	10	.47	.87	110	7.4	0	0	0
25	0	.89	.8	3.4	8.5	.49	1.1	125	7.2	0	0	0
26	0	.52	1	3.5	6.9	.45	.85	141	6.4	0	0	0
27	0	.41	1.8	4	5.6	.43	.56	128	5	0	0	0
28	0	.5	2	4.5	5.6	.42	.46	102	4.2	0	0	0
29	0	.23	2.8	4.4	---	.4	.42	39	3.6	0	0	0
30	0	.1	2.7	4.5	---	.41	.38	26	2.9	0	0	0
31	0	---	2.7	4.4	---	.42	---	26	---	0	0	---
TOTAL	0	12.22	35.62	100.3	212.2	114.35	377.23	926.24	199.4	17.19	0	0
MEAN	0	.41	1.15	3.2	7.6	3.69	12.6	29.9	6.7	.55	0	0
AC-FT	0	24	71	199	421	227	748	1840	396	34	0	0
MAX	0	1.2	2.8	4.5	11	14	115	141	26	2.7	0	0
MIN	0	0	.12	2.5	4	.4	.17	.18	2.1	0	0	0
CAL YR 2004	TOTAL	962.18	MEAN	2.63	MAX	142	MIN	0	AC-FT	1910		
WTR YR 2005	TOTAL	1994.75	MEAN	5.47	MAX	141	MIN	0	AC-FT	3960		

MAX DISCH: 148 CFS AT 10:30 ON May. 26, 2005 GH 3.70 FT. SHIFT -0.77 FT.
MAX GH: 3.70 FT. AT 10:30 ON May. 26, 2005

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

08249000 CONEJOS RIVER NEAR LASAUSES CO, SECONDARY (SOUTH) CHANNEL
WY2005 HYDROGRAPH



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO (COMBINED)

LOCATION.--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, and SE¼NE¼ sec. 10 (two channels), T.35 N., R.11 E., Conejos County, Hydrologic Unit 13010005, on left bank of main channel 125 ft downstream from bridge on State Highway 158 and on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of 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.--Record 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 record represents mainly return flow. Rcord developed by Div. III Hydrographic Staff.

COMBINED CONEJOS RIVER (NORLASCO & SOULASCO)

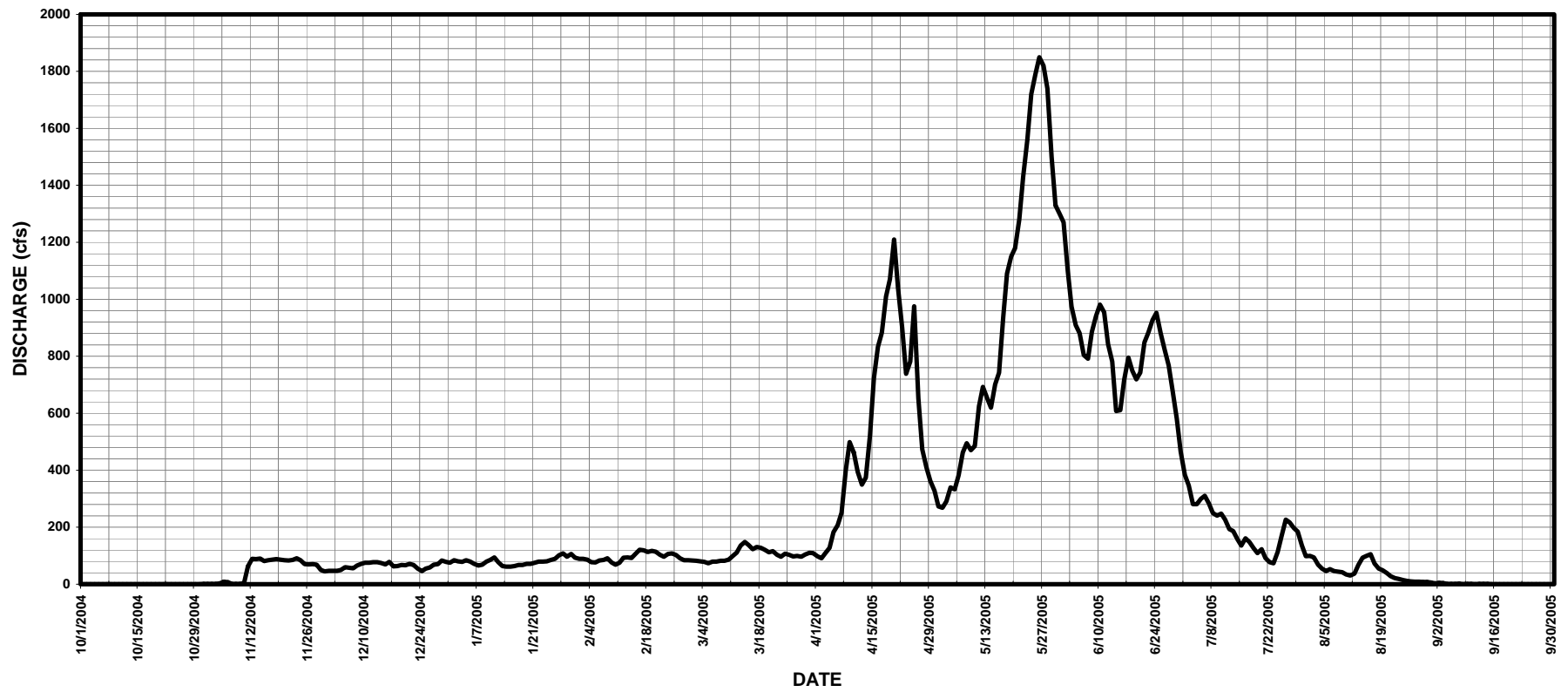
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	1.1	47	84	89	83	99	273	1270	383	100	3.1
2	0	.72	47	80	89	82	91	268	1100	346	94	5
3	0	.74	47	78	86	80	109	291	975	281	68	3.9
4	0	3.4	50	84	77	78	128	340	909	281	55	1
5	0	8.3	60	79	76	73	182	333	881	300	46	1
6	0	7.1	58	71	83	79	207	382	804	310	53	1
7	0	.87	56	65	85	79	251	462	791	283	46	1.5
8	0	.81	65	68	91	82	399	495	886	250	44	.47
9	0	.86	71	79	76	82	499	470	941	241	42	.52
10	0	4.2	75	85	68	86	461	485	981	248	34	.49
11	0	62	75	94	75	99	394	624	954	226	30	.19
12	0	89	77	77	93	111	349	693	843	193	37	.59
13	0	88	77	63	94	136	374	654	781	186	67	1.2
14	0	90	74	61	92	148	522	620	608	158	93	.88
15	0	81	69	61	107	138	723	701	611	136	100	.46
16	0	84	78	63	121	123	833	742	718	161	105	.34
17	0	86	62	67	119	131	883	938	795	148	72	.2
18	0	88	63	67	113	128	1010	1090	749	127	55	.12
19	0	86	67	71	117	121	1070	1150	719	109	49	0
20	0	84	66	71	114	112	1210	1180	742	123	39	0
21	0	83	71	75	103	116	1040	1280	849	92	28	0
22	0	85	67	79	97	103	900	1430	883	77	21	0
23	0	91	55	79	106	97	739	1560	927	73	19	.11
24	0	84	46	80	108	107	781	1720	952	113	15	.1
25	0	70	55	85	102	103	976	1790	882	169	12	0
26	0	69	59	89	91	98	653	1850	825	226	10	0
27	0	70	68	101	84	100	473	1820	768	217	9	0
28	0	68	70	108	84	97	410	1740	680	197	8.5	0
29	0	50	83	97	---	104	362	1500	581	184	7.4	0
30	0	45	78	106	---	110	328	1330	465	136	8	0
31	.96	---	75	93	---	109	---	1300	---	99	6.2	---
TOTAL	.96	1581.1	2011	2460	2640	3195	16456	29511	24870	6073	1373.1	22.17
MEAN	.03	52.7	65	79	94	103	549	952	829	196	44.3	.74
AC-FT	1.9	3140	3990	4880	5240	6340	32640	58540	49330	12050	2720	44
MAX	.96	91	83	108	121	148	1210	1850	1270	383	105	5
MIN	0	.72	46	61	68	73	91	268	465	73	6.2	0

CAL YR	2004	TOTAL	37204.6	MEAN	102	MAX	723	MIN	0	AC-FT	73800
WTR YR	2005	TOTAL	90193.33	MEAN	247	MAX	1850	MIN	0	AC-FT	178900

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

08249000 CONEJOS RIVER NEAR LASAUSES CO (COMBINED)
WY2005 HYDROGRAPH



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 mi². 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 a Sutron satellite monitoring system in a metal shelter and rock well. Altitude of gage is 8,000 ft from topographic map.

REMARKS.--Record is complete and reliable for the entire water year. Record is good for the entire water year. 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 record developed by Div. III Hydrographic Staff.

RATING TABLE.--CULSANCO06 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

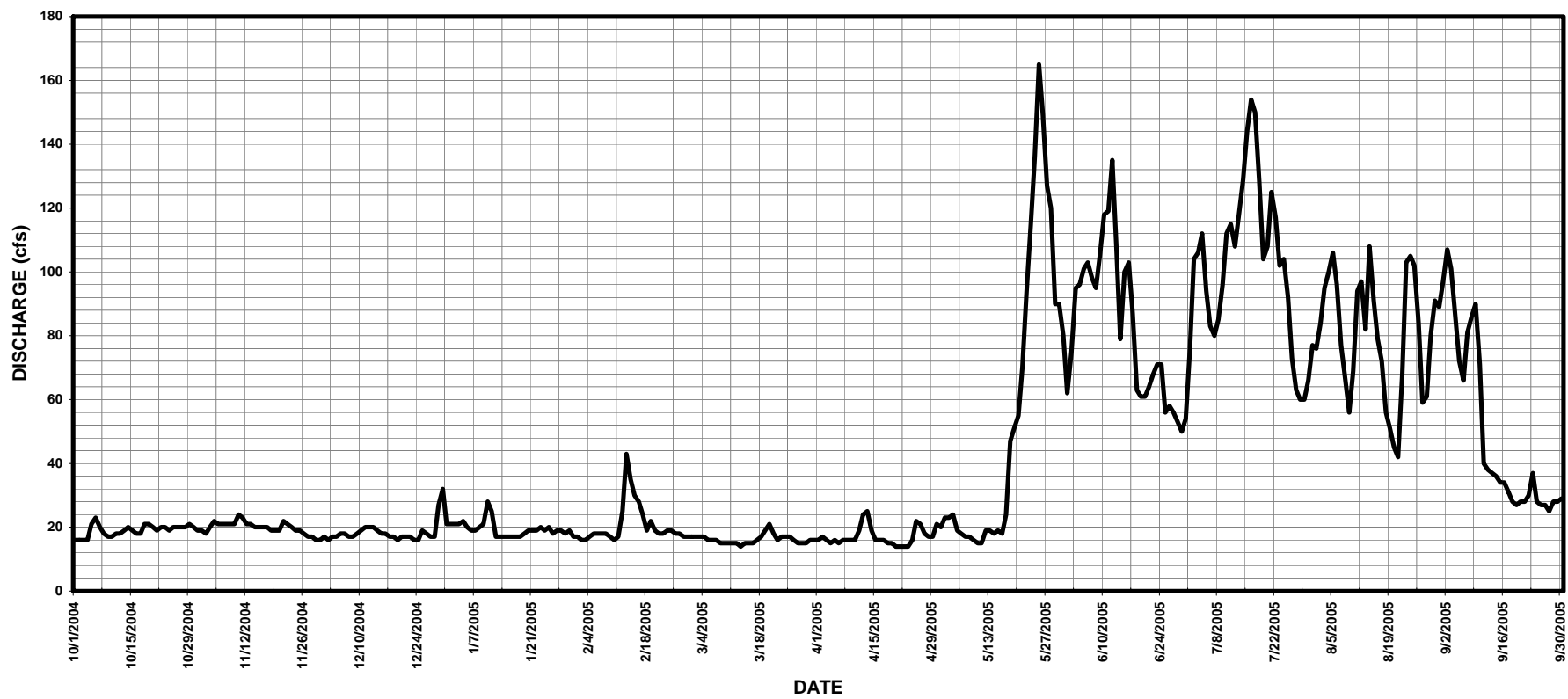
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	19	17	21	17	17	16	20	62	76	76	97
2	16	18	16	21	16	17	17	23	75	104	84	107
3	16	20	17	21	16	17	16	23	95	106	95	101
4	16	22	17	22	17	17	15	24	96	112	100	86
5	21	21	18	20	18	16	16	19	101	94	106	72
6	23	21	18	19	18	16	15	18	103	83	96	66
7	20	21	17	19	18	16	16	17	98	80	77	81
8	18	21	17	20	18	15	16	17	95	85	67	86
9	17	21	18	21	17	15	16	16	106	96	56	90
10	17	24	19	28	16	15	16	15	118	112	69	71
11	18	23	20	25	17	15	19	15	119	115	94	40
12	18	21	20	17	25	15	24	19	135	108	97	38
13	19	21	20	17	43	14	25	19	108	118	82	37
14	20	20	19	17	35	15	19	18	79	129	108	36
15	19	20	18	17	30	15	16	19	100	144	91	34
16	18	20	18	17	28	15	16	18	103	154	79	34
17	18	20	17	17	24	16	16	24	87	150	72	31
18	21	19	17	17	19	17	15	47	63	128	56	28
19	21	19	16	18	22	19	15	51	61	104	51	27
20	20	19	17	19	19	21	14	55	61	108	45	28
21	19	22	17	19	18	18	14	70	64	125	42	28
22	20	21	17	19	18	16	14	94	68	117	68	30
23	20	20	16	20	19	17	14	115	71	102	103	37
24	19	19	16	19	19	17	16	136	71	104	105	28
25	20	19	19	20	18	17	22	165	56	92	102	27
26	20	18	18	18	18	16	21	149	58	73	84	27
27	20	17	17	19	17	15	18	127	56	63	59	25
28	20	17	17	19	17	15	17	120	53	60	61	28
29	21	16	27	18	---	15	17	90	50	60	80	28
30	20	16	32	19	---	16	21	90	54	66	91	29
31	19	---	21	17	---	16	---	80	---	77	89	---
TOTAL	590	595	573	600	577	501	512	1713	2466	3145	2485	1477
MEAN	19	20	19	19	21	16	17	55	82	101	80	49
AC-FT	1170	1180	1140	1190	1140	994	1020	3400	4890	6240	4930	2930
MAX	23	24	32	28	43	21	25	165	135	154	108	107
MIN	16	16	16	17	16	14	14	15	50	60	42	25

CAL YR 2004 TOTAL 14404 MEAN 39.4 MAX 124 MIN 12 AC-FT 28570
WTR YR 2005 TOTAL 15234 MEAN 41.7 MAX 165 MIN 14 AC-FT 30220

MAX DISCH: 221 CFS AT 07:45 ON May. 25, 2005 GH 2.37 FT. SHIFT 0 FT.
MAX GH: 2.37 FT. AT 07:45 ON May. 25, 2005

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

08250000 CULEBRA CREEK AT SAN LUIS CO
WY2005 HYDROGRAPH



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 mi². approximately, includes 2,940 mi². 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.--Graphic water-stage recorder in a four foot square timber shelter and cobblestone well. Station contains a Stevens chart recorder, Sutron satellite monitoring equipment, and a water temperature sensor. Auxiliary outside slope gage. Datum of gage is 7,427.63 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable. The stage-discharge relation was affected by ice November 29, 2004 through February 14, 2005. Record is good except for periods of 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-2004 TO 30-SEP-2005

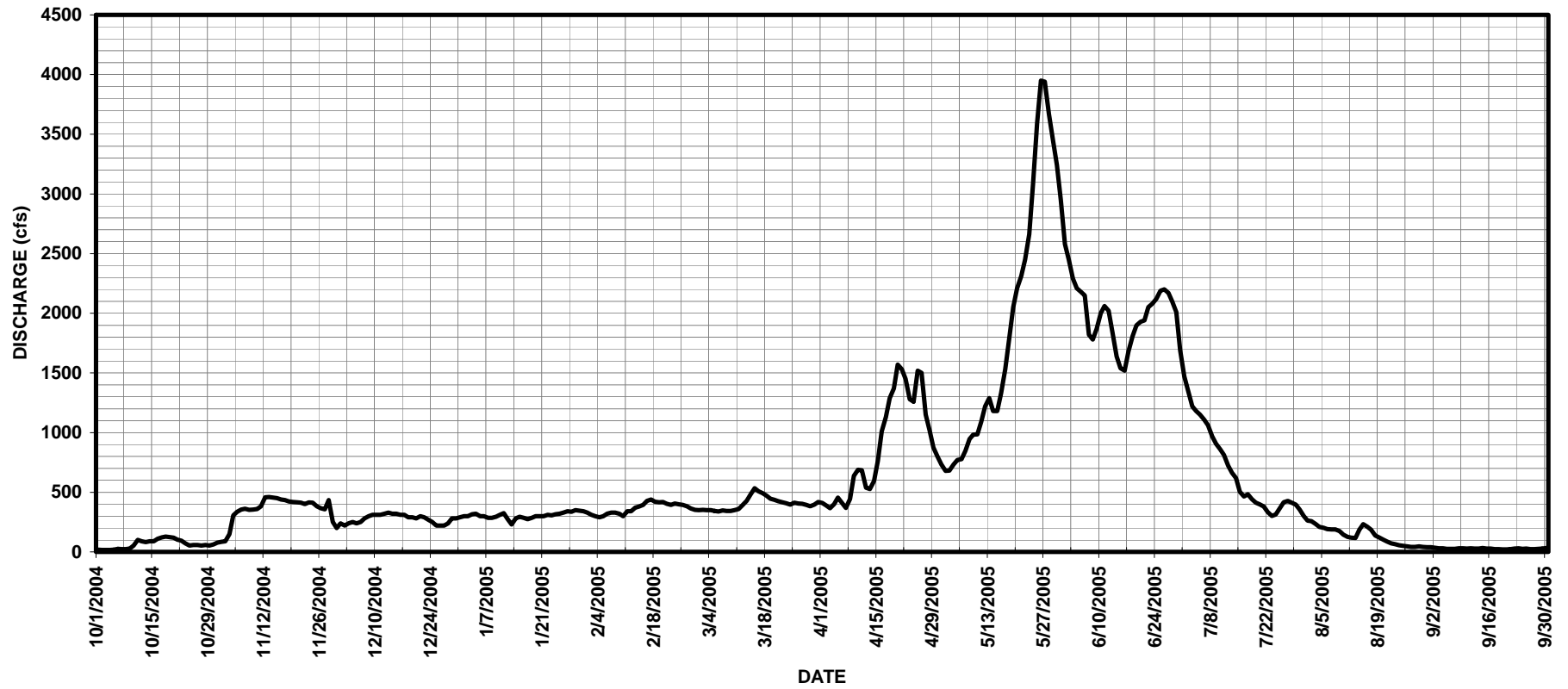
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	85	240	300	330	350	410	733	2580	1470	263	39
2	17	90	220	300	310	352	389	678	2450	1350	257	35
3	17	149	240	315	300	349	367	682	2290	1220	234	31
4	17	306	250	320	290	350	400	733	2210	1180	210	29
5	19	335	240	300	300	342	456	771	2180	1150	202	26
6	25	355	250	300	320	338	409	779	2150	1110	192	25
7	23	361	280	285	330	348	368	846	1820	1060	189	26
8	23	353	300	285	330	344	444	946	1780	970	188	29
9	27	354	310	295	320	344	638	983	1870	907	175	30
10	52	359	310	310	300	350	688	985	2000	860	145	28
11	101	382	310	325	340	359	684	1090	2060	813	126	29
12	89	457	320	275	340	391	538	1220	2020	722	119	28
13	84	460	330	230	370	429	526	1290	1840	664	118	27
14	89	456	320	280	380	481	594	1180	1640	620	186	32
15	90	452	320	295	394	535	765	1180	1540	504	233	28
16	111	439	310	285	428	508	1010	1330	1520	464	212	28
17	123	435	310	275	439	493	1130	1530	1680	483	186	24
18	129	424	290	285	421	473	1290	1780	1810	443	137	22
19	125	420	290	300	417	447	1370	2050	1900	413	121	21
20	120	416	280	300	420	438	1570	2210	1930	399	104	20
21	103	413	300	300	403	426	1530	2310	1940	380	87	23
22	94	401	290	310	393	417	1450	2450	2050	334	72	27
23	72	414	270	305	404	408	1280	2660	2080	301	64	29
24	53	411	250	315	399	397	1260	3090	2120	312	55	26
25	57	383	220	320	393	411	1520	3590	2190	365	51	27
26	57	366	220	330	383	406	1500	3950	2200	417	46	23
27	52	356	220	340	364	402	1150	3940	2170	428	41	24
28	58	434	240	335	353	394	1020	3670	2100	411	42	25
29	52	250	280	350	---	381	875	3460	2010	395	45	27
30	63	200	280	345	---	396	798	3240	1690	354	42	33
31	78	---	290	340	---	420	---	2950	---	302	39	---
TOTAL	2038	10716	8580	9450	10171	12479	26429	58306	59820	20801	4181	821
MEAN	66	357	277	305	363	403	881	1881	1994	671	135	27
AC-FT	4040	21260	17020	18740	20170	24750	52420	115600	118700	41260	8290	1630
MAX	129	460	330	350	439	535	1570	3950	2580	1470	263	39
MIN	17	85	220	230	290	338	367	678	1520	301	39	20
CAL YR 2004	TOTAL	109024.3	MEAN	298	MAX	1380	MIN	7.9	AC-FT	216200		
WTR YR 2005	TOTAL	223792	MEAN	613	MAX	3950	MIN	17	AC-FT	443900		

MAX DISCH: 4090 CFS AT 23:45 ON May. 26, 2005 GH 5.23 FT. SHIFT -0.27 FT.
MAX GH: 5.23 FT. AT 23:45 ON May. 26, 2005

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

08251500 RIO GRANDE NEAR LOBATOS CO
WY2005 HYDROGRAPH



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 Div. III Hydrographic Staff.

RATING TABLE.--TARBELCO01 USED FROM 01-OCT-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

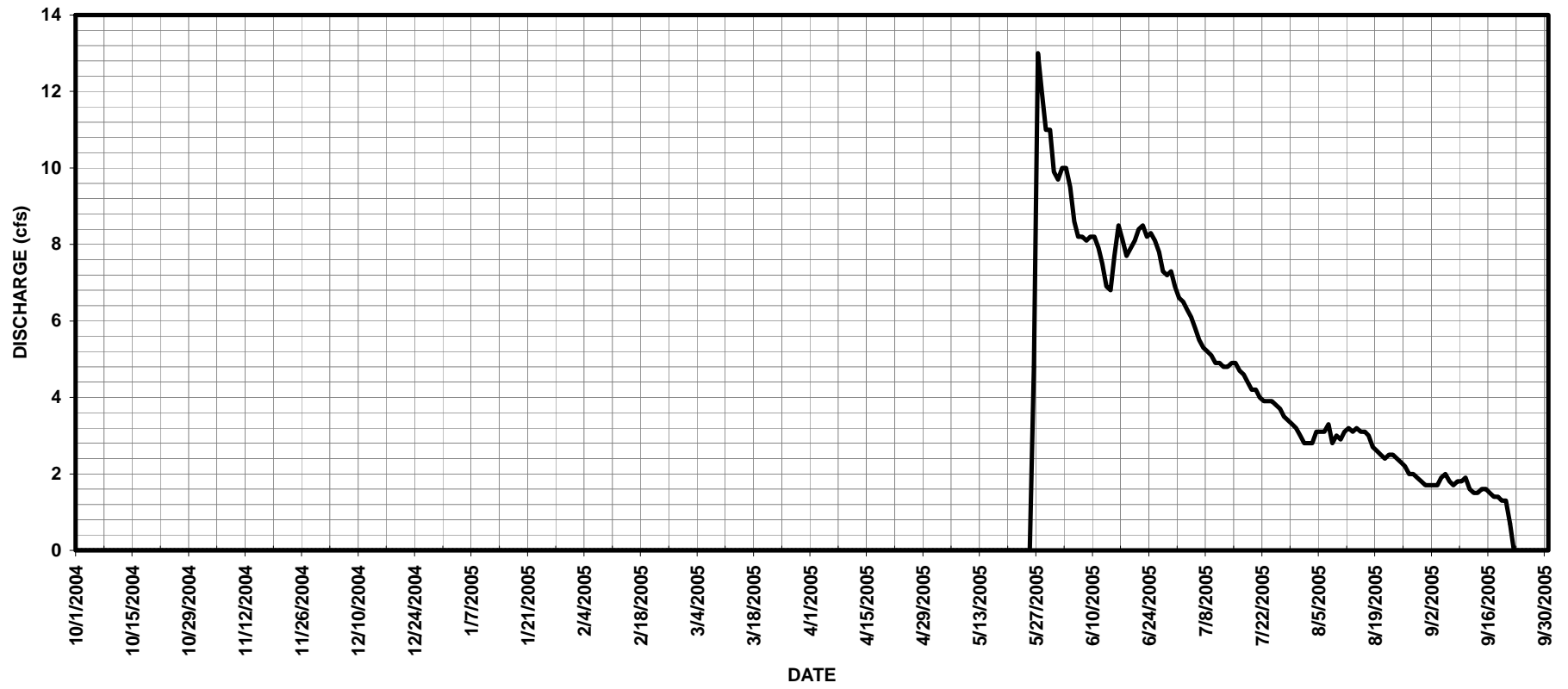
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	9.7	6.6	2.8	1.7
2	0	0	0	0	0	0	0	0	10	6.5	2.8	1.7
3	0	0	0	0	0	0	0	0	10	6.3	2.8	1.7
4	0	0	0	0	0	0	0	0	9.5	6.1	3.1	1.9
5	0	0	0	0	0	0	0	0	8.6	5.8	3.1	2
6	0	0	0	0	0	0	0	0	8.2	5.5	3.1	1.8
7	0	0	0	0	0	0	0	0	8.2	5.3	3.3	1.7
8	0	0	0	0	0	0	0	0	8.1	5.2	2.8	1.8
9	0	0	0	0	0	0	0	0	8.2	5.1	3	1.8
10	0	0	0	0	0	0	0	0	8.2	4.9	2.9	1.9
11	0	0	0	0	0	0	0	0	7.9	4.9	3.1	1.6
12	0	0	0	0	0	0	0	0	7.5	4.8	3.2	1.5
13	0	0	0	0	0	0	0	0	6.9	4.8	3.1	1.5
14	0	0	0	0	0	0	0	0	6.8	4.9	3.2	1.6
15	0	0	0	0	0	0	0	0	7.7	4.9	3.1	1.6
16	0	0	0	0	0	0	0	0	8.5	4.7	3.1	1.5
17	0	0	0	0	0	0	0	0	8.1	4.6	3	1.4
18	0	0	0	0	0	0	0	0	7.7	4.4	2.7	1.4
19	0	0	0	0	0	0	0	0	7.9	4.2	2.6	1.3
20	0	0	0	0	0	0	0	0	8.1	4.2	2.5	1.3
21	0	0	0	0	0	0	0	0	8.4	4	2.4	.7
22	0	0	0	0	0	0	0	0	8.5	3.9	2.5	0
23	0	0	0	0	0	0	0	0	8.2	3.9	2.5	0
24	0	0	0	0	0	0	0	0	8.3	3.9	2.4	0
25	0	0	0	0	0	0	0	0	8.1	3.8	2.3	0
26	0	0	0	0	0	0	0	4.8	7.8	3.7	2.2	0
27	0	0	0	0	0	0	0	13	7.3	3.5	2	0
28	0	0	0	0	0	0	0	12	7.2	3.4	2	0
29	0	0	0	0	---	0	0	11	7.3	3.3	1.9	0
30	0	0	0	0	---	0	0	11	6.9	3.2	1.8	0
31	0	---	0	0	---	0	---	9.9	---	3	1.7	---
TOTAL	0	0	0	0	0	0	0	61.7	243.8	143.3	83	33.4
MEAN	0	0	0	0	0	0	0	1.99	8.1	4.6	2.7	1.11
AC-FT	0	0	0	0	0	0	0	122	484	284	165	66
MAX	0	0	0	0	0	0	0	13	10	6.6	3.3	2
MIN	0	0	0	0	0	0	0	0	6.8	3	1.7	0

CAL YR	2004	TOTAL	349.4	MEAN	0.95	MAX	8.8	MIN	0	AC-FT	693
WTR YR	2005	TOTAL	565.2	MEAN	1.55	MAX	13	MIN	0	AC-FT	1120

MAX DISCH: 13 CFS AT 18:00 ON May. 26, 2005 GH 1.13 FT. SHIFT 0.05 FT.
MAX GH: 1.13 FT. AT 18:00 ON May. 26, 2005

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

09118200 TARBELL DITCH NEAR COCHETOPA PASS CO
WY2005 HYDROGRAPH



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 Div. III Hydrographic Staff.

RATING TABLE.--TABDITCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

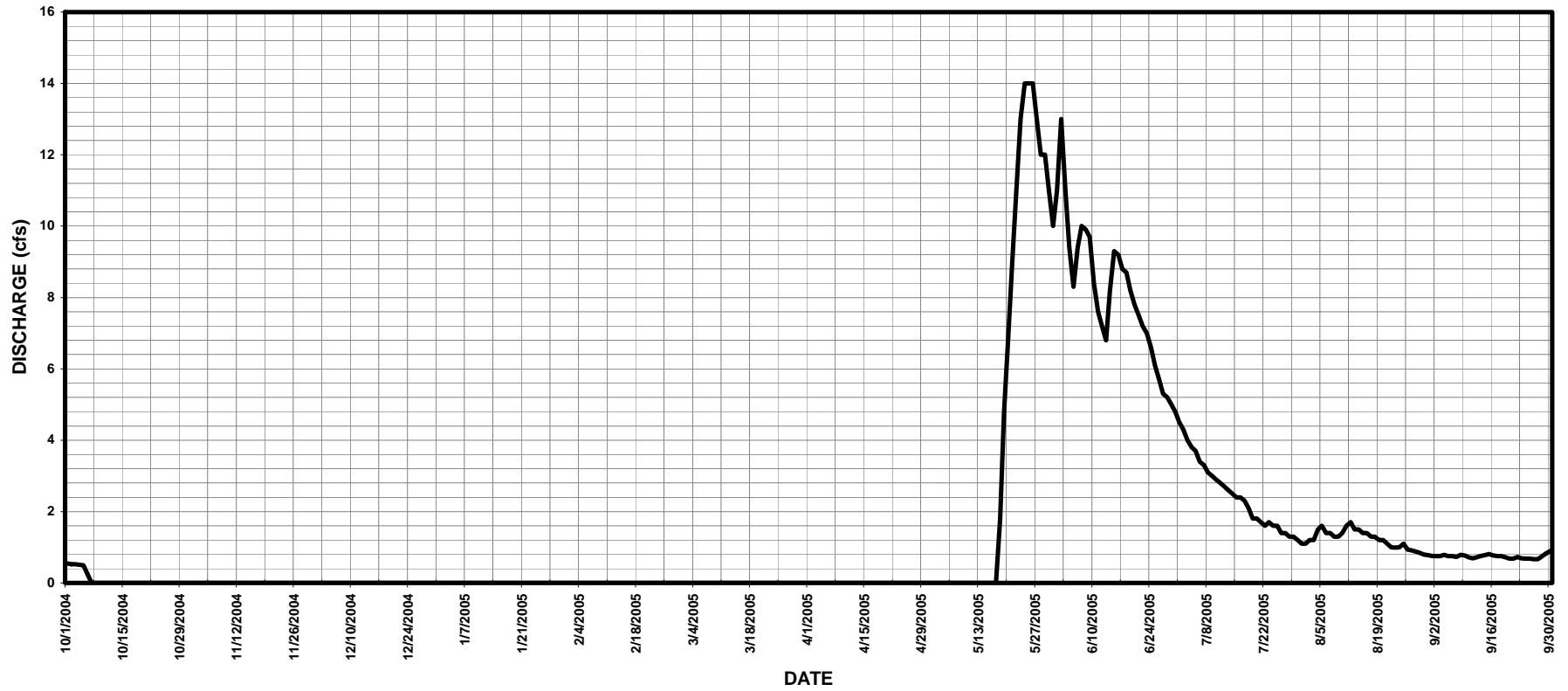
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.55	0	0	0	0	0	0	0	11	4.5	1.1	.76
2	.52	0	0	0	0	0	0	0	13	4.3	1.2	.75
3	.52	0	0	0	0	0	0	0	11	4	1.2	.75
4	.51	0	0	0	0	0	0	0	9.4	3.8	1.5	.79
5	.49	0	0	0	0	0	0	0	8.3	3.7	1.6	.75
6	.25	0	0	0	0	0	0	0	9.4	3.4	1.4	.75
7	0	0	0	0	0	0	0	0	10	3.3	1.4	.73
8	0	0	0	0	0	0	0	0	9.9	3.1	1.3	.79
9	0	0	0	0	0	0	0	0	9.7	3	1.3	.77
10	0	0	0	0	0	0	0	0	8.4	2.9	1.4	.72
11	0	0	0	0	0	0	0	0	7.6	2.8	1.6	.69
12	0	0	0	0	0	0	0	0	7.2	2.7	1.7	.72
13	0	0	0	0	0	0	0	0	6.8	2.6	1.5	.76
14	0	0	0	0	0	0	0	0	8.2	2.5	1.5	.78
15	0	0	0	0	0	0	0	0	9.3	2.4	1.4	.81
16	0	0	0	0	0	0	0	0	9.2	2.4	1.4	.77
17	0	0	0	0	0	0	0	0	8.8	2.3	1.3	.75
18	0	0	0	0	0	0	0	1.8	8.7	2.1	1.3	.75
19	0	0	0	0	0	0	0	4.8	8.2	1.8	1.2	.72
20	0	0	0	0	0	0	0	6.9	7.8	1.8	1.2	.68
21	0	0	0	0	0	0	0	9.1	7.5	1.7	1.1	.68
22	0	0	0	0	0	0	0	11	7.2	1.6	1	.73
23	0	0	0	0	0	0	0	13	7	1.7	.99	.69
24	0	0	0	0	0	0	0	14	6.6	1.6	1	.68
25	0	0	0	0	0	0	0	14	6.1	1.6	1.1	.68
26	0	0	0	0	0	0	0	14	5.7	1.4	.94	.66
27	0	0	0	0	0	0	0	13	5.3	1.4	.91	.66
28	0	0	0	0	0	0	0	12	5.2	1.3	.88	.74
29	0	0	0	0	---	0	0	12	5	1.3	.84	.83
30	0	0	0	0	---	0	0	11	4.8	1.2	.8	.9
31	0	---	0	0	---	0	---	10	---	1.1	.78	---
TOTAL	2.84	0	0	0	0	0	0	146.6	242.3	75.3	37.84	22.24
MEAN	.09	0	0	0	0	0	0	4.73	8.08	2.43	1.22	.74
AC-FT	5.6	0	0	0	0	0	0	291	481	149	75	44
MAX	.55	0	0	0	0	0	0	14	13	4.5	1.7	.9
MIN	0	0	0	0	0	0	0	0	4.8	1.1	.78	.66

CAL YR 2004 TOTAL 330.83 MEAN 0.90 MAX 10 MIN 0 AC-FT 656
WTR YR 2005 TOTAL 527.12 MEAN 1.44 MAX 14 MIN 0 AC-FT 1050

MAX DISCH: 15.6 CFS AT 18:30 ON Jun. 2, 2005 GH 1.10 FT. SHIFT 0.08 FT.
MAX GH: 1.10 FT. AT 18:30 ON Jun. 2, 2005

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

09121000 TABOR DITCH AT SPRING CREEK PASS CO
WY2005 HYDROGRAPH



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 Div. III Hydrographic Staff.

RATING TABLE.--TREDITCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

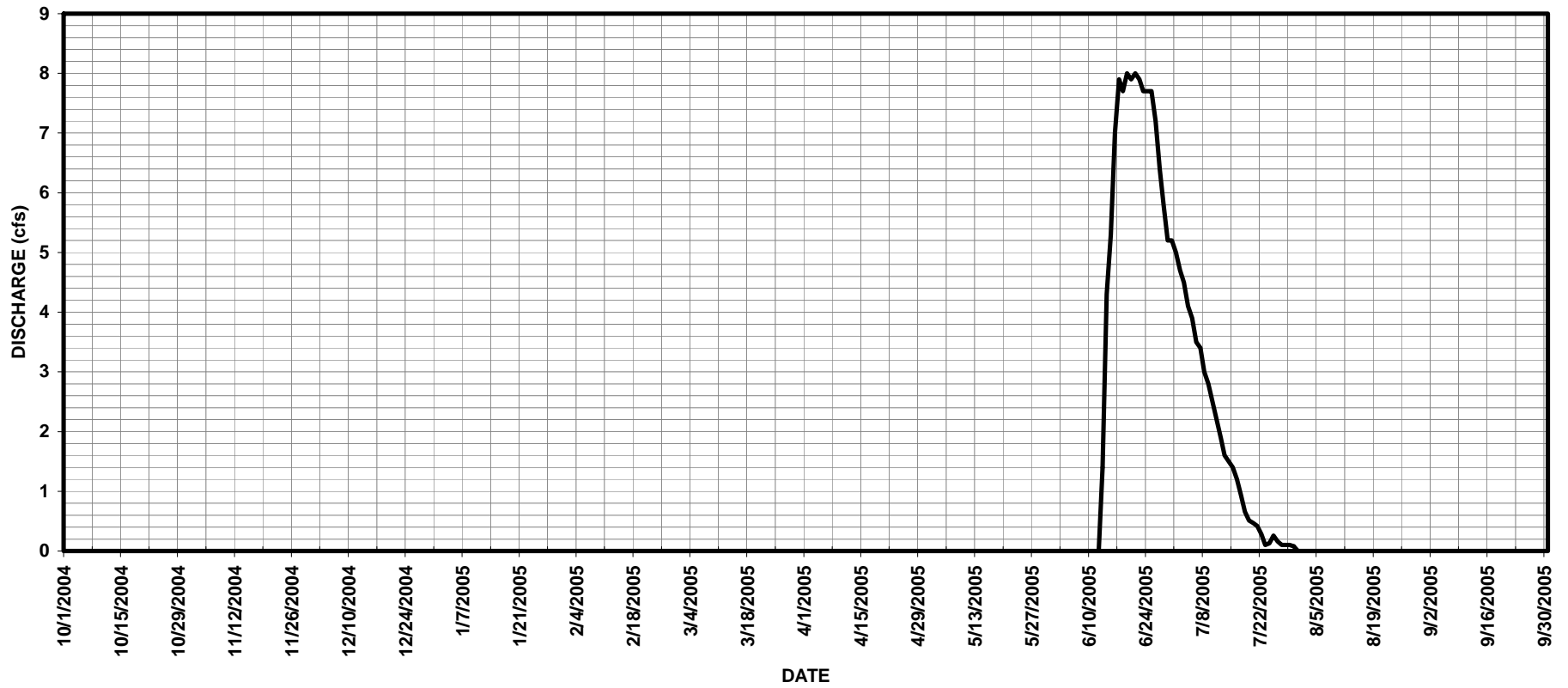
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	5	0	0
2	0	0	0	0	0	0	0	0	0	4.7	0	0
3	0	0	0	0	0	0	0	0	0	4.5	0	0
4	0	0	0	0	0	0	0	0	0	4.1	0	0
5	0	0	0	0	0	0	0	0	0	3.9	0	0
6	0	0	0	0	0	0	0	0	0	3.5	0	0
7	0	0	0	0	0	0	0	0	0	3.4	0	0
8	0	0	0	0	0	0	0	0	0	3	0	0
9	0	0	0	0	0	0	0	0	0	2.8	0	0
10	0	0	0	0	0	0	0	0	0	2.5	0	0
11	0	0	0	0	0	0	0	0	0	2.2	0	0
12	0	0	0	0	0	0	0	0	0	1.9	0	0
13	0	0	0	0	0	0	0	0	1.4	1.6	0	0
14	0	0	0	0	0	0	0	0	4.3	1.5	0	0
15	0	0	0	0	0	0	0	0	5.3	1.4	0	0
16	0	0	0	0	0	0	0	0	7	1.2	0	0
17	0	0	0	0	0	0	0	0	7.9	.93	0	0
18	0	0	0	0	0	0	0	0	7.7	.66	0	0
19	0	0	0	0	0	0	0	0	8	.51	0	0
20	0	0	0	0	0	0	0	0	7.9	.47	0	0
21	0	0	0	0	0	0	0	0	8	.42	0	0
22	0	0	0	0	0	0	0	0	7.9	.28	0	0
23	0	0	0	0	0	0	0	0	7.7	.1	0	0
24	0	0	0	0	0	0	0	0	7.7	.13	0	0
25	0	0	0	0	0	0	0	0	7.7	.26	0	0
26	0	0	0	0	0	0	0	0	7.2	.16	0	0
27	0	0	0	0	0	0	0	0	6.4	.1	0	0
28	0	0	0	0	0	0	0	0	5.8	.1	0	0
29	0	0	0	0	---	0	0	0	5.2	.1	0	0
30	0	0	0	0	---	0	0	0	5.2	.08	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	118.3	51.5	0	0
MEAN	0	0	0	0	0	0	0	0	3.94	1.66	0	0
AC-FT	0	0	0	0	0	0	0	0	235	102	0	0
MAX	0	0	0	0	0	0	0	0	8	5	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2004	TOTAL	107.91	MEAN	.29	MAX	7.4	MIN	0	AC-FT	214
WTR YR	2005	TOTAL	169.8	MEAN	.47	MAX	8	MIN	0	AC-FT	337

MAX DISCH: 9.14 CFS AT 15:45 ON Jun. 18, 2005 GH 1.05 FT. SHIFT 0.04 FT.
MAX GH: 1.05 FT. AT 15:45 ON Jun. 18, 2005

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

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS CO
WY2005 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DLFDT1C002 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

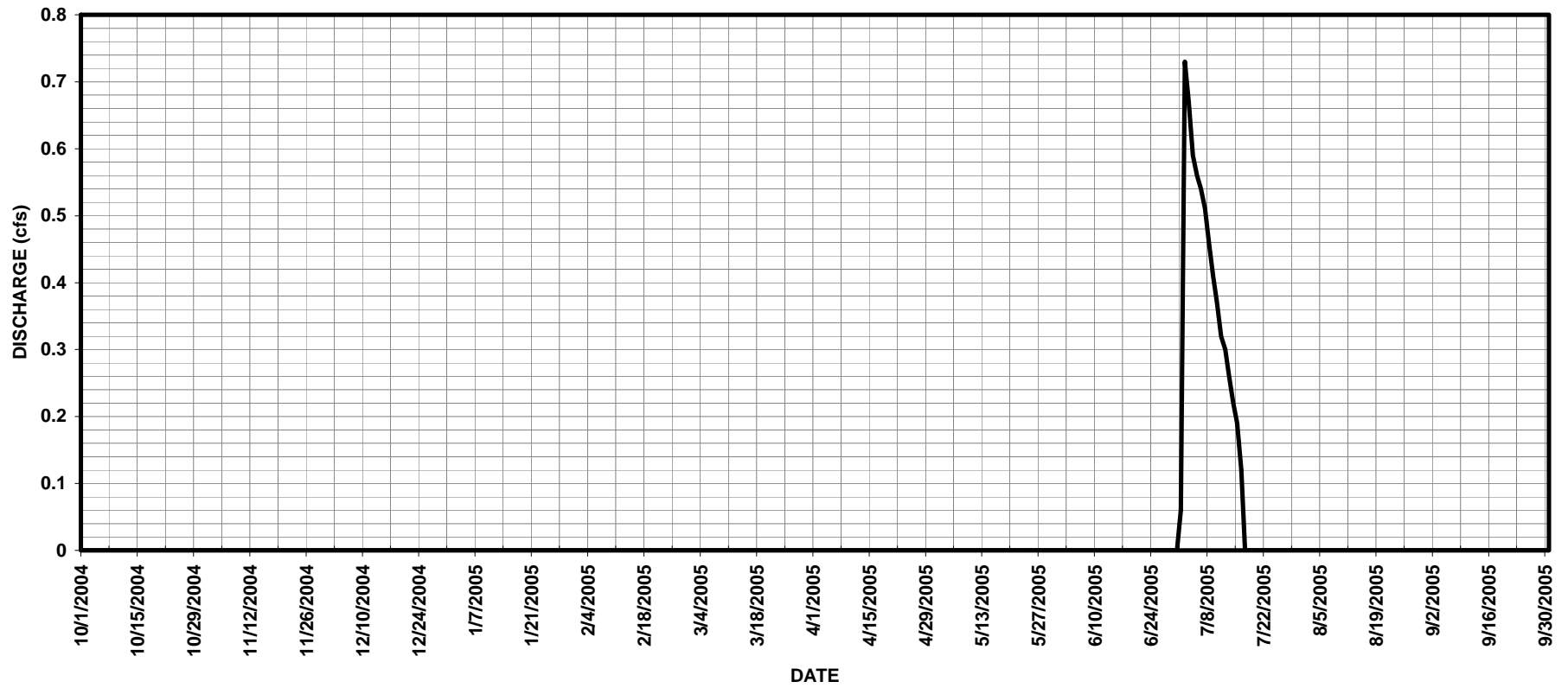
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	.06	0	0
2	0	0	0	0	0	0	0	0	0	.73	0	0
3	0	0	0	0	0	0	0	0	0	.67	0	0
4	0	0	0	0	0	0	0	0	0	.59	0	0
5	0	0	0	0	0	0	0	0	0	.56	0	0
6	0	0	0	0	0	0	0	0	0	.54	0	0
7	0	0	0	0	0	0	0	0	0	.51	0	0
8	0	0	0	0	0	0	0	0	0	.46	0	0
9	0	0	0	0	0	0	0	0	0	.41	0	0
10	0	0	0	0	0	0	0	0	0	.37	0	0
11	0	0	0	0	0	0	0	0	0	.32	0	0
12	0	0	0	0	0	0	0	0	0	.3	0	0
13	0	0	0	0	0	0	0	0	0	.26	0	0
14	0	0	0	0	0	0	0	0	0	.22	0	0
15	0	0	0	0	0	0	0	0	0	.19	0	0
16	0	0	0	0	0	0	0	0	0	.12	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	6.31	0	0
MEAN	0	0	0	0	0	0	0	0	0	.2	0	0
AC-FT	0	0	0	0	0	0	0	0	0	13	0	0
MAX	0	0	0	0	0	0	0	0	0	.73	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2004	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2005	TOTAL	6.31	MEAN	.017	MAX	.73	MIN	0	AC-FT	13

MAX DISCH: 0.90 CFS AT 15:45 ON Jul. 2, 2005 GH 0.48 FT. SHIFT -0.03 FT.
MAX GH: 0.48 FT. AT 15:45 ON Jul. 2, 2005

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

09347000 DON LA FONT DITCH NO. 1 AT PIEDRA PASS CO
WY2005 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH N0.2 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 Div. III Hydrographic Staff.

RATING TABLE.--DLFDT2C002 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

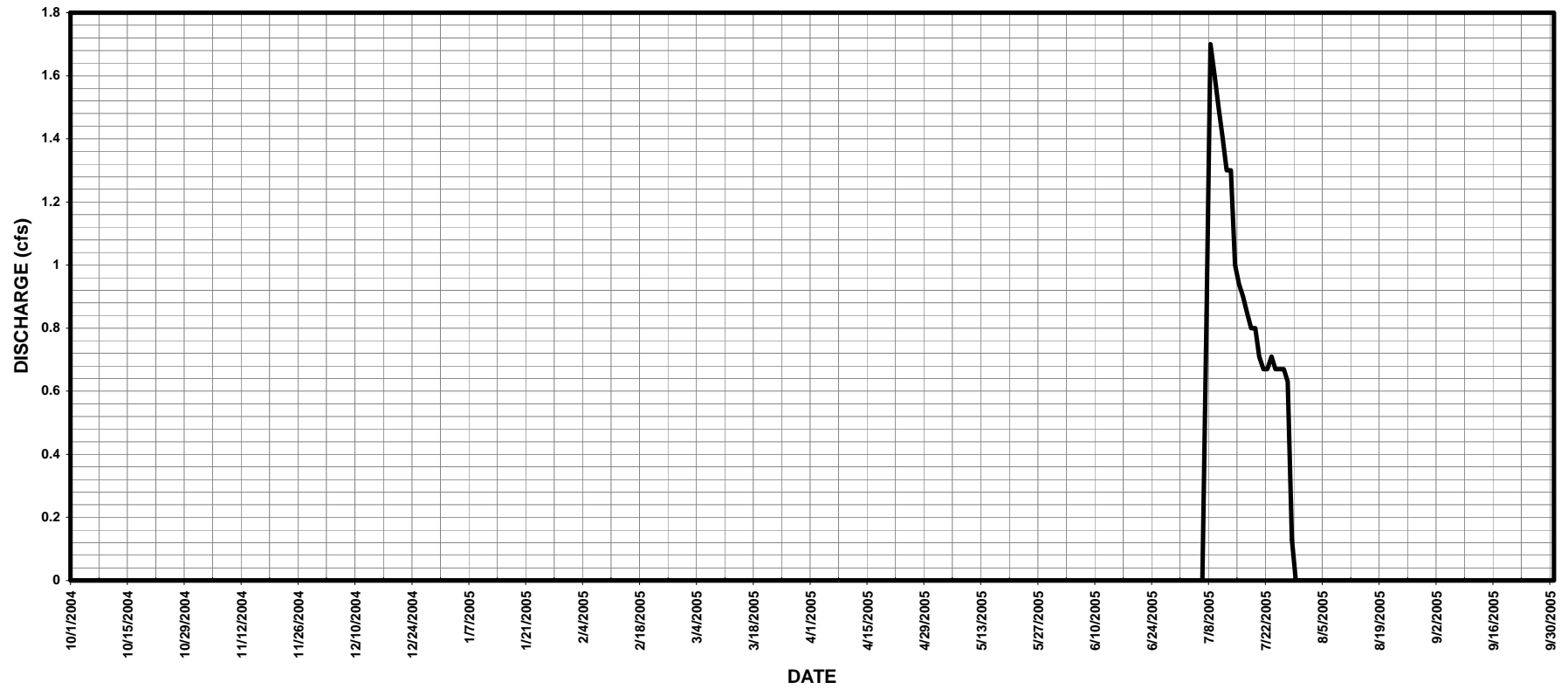
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	.84	0	0
8	0	0	0	0	0	0	0	0	0	1.7	0	0
9	0	0	0	0	0	0	0	0	0	1.6	0	0
10	0	0	0	0	0	0	0	0	0	1.5	0	0
11	0	0	0	0	0	0	0	0	0	1.4	0	0
12	0	0	0	0	0	0	0	0	0	1.3	0	0
13	0	0	0	0	0	0	0	0	0	1.3	0	0
14	0	0	0	0	0	0	0	0	0	1	0	0
15	0	0	0	0	0	0	0	0	0	.94	0	0
16	0	0	0	0	0	0	0	0	0	.9	0	0
17	0	0	0	0	0	0	0	0	0	.85	0	0
18	0	0	0	0	0	0	0	0	0	.8	0	0
19	0	0	0	0	0	0	0	0	0	.8	0	0
20	0	0	0	0	0	0	0	0	0	.71	0	0
21	0	0	0	0	0	0	0	0	0	.67	0	0
22	0	0	0	0	0	0	0	0	0	.67	0	0
23	0	0	0	0	0	0	0	0	0	.71	0	0
24	0	0	0	0	0	0	0	0	0	.67	0	0
25	0	0	0	0	0	0	0	0	0	.67	0	0
26	0	0	0	0	0	0	0	0	0	.67	0	0
27	0	0	0	0	0	0	0	0	0	.63	0	0
28	0	0	0	0	0	0	0	0	0	.13	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	20.46	0	0
MEAN	0	0	0	0	0	0	0	0	0	.66	0	0
AC-FT	0	0	0	0	0	0	0	0	0	41	0	0
MAX	0	0	0	0	0	0	0	0	0	1.7	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2004	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2005	TOTAL	20.46	MEAN	.056	MAX	1.7	MIN	0	AC-FT	41

MAX DISCH: 1.88 CFS AT 17:00 ON Jul. 7, 2005 GH 0.45 FT. SHIFT 0.02 FT.
MAX GH: 0.45 FT. AT 17:00 ON Jul. 7, 2005

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

09347000 DON LA FONT DITCH NO. 2 AT PIEDRA PASS CO
WY2005 HYDROGRAPH



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.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

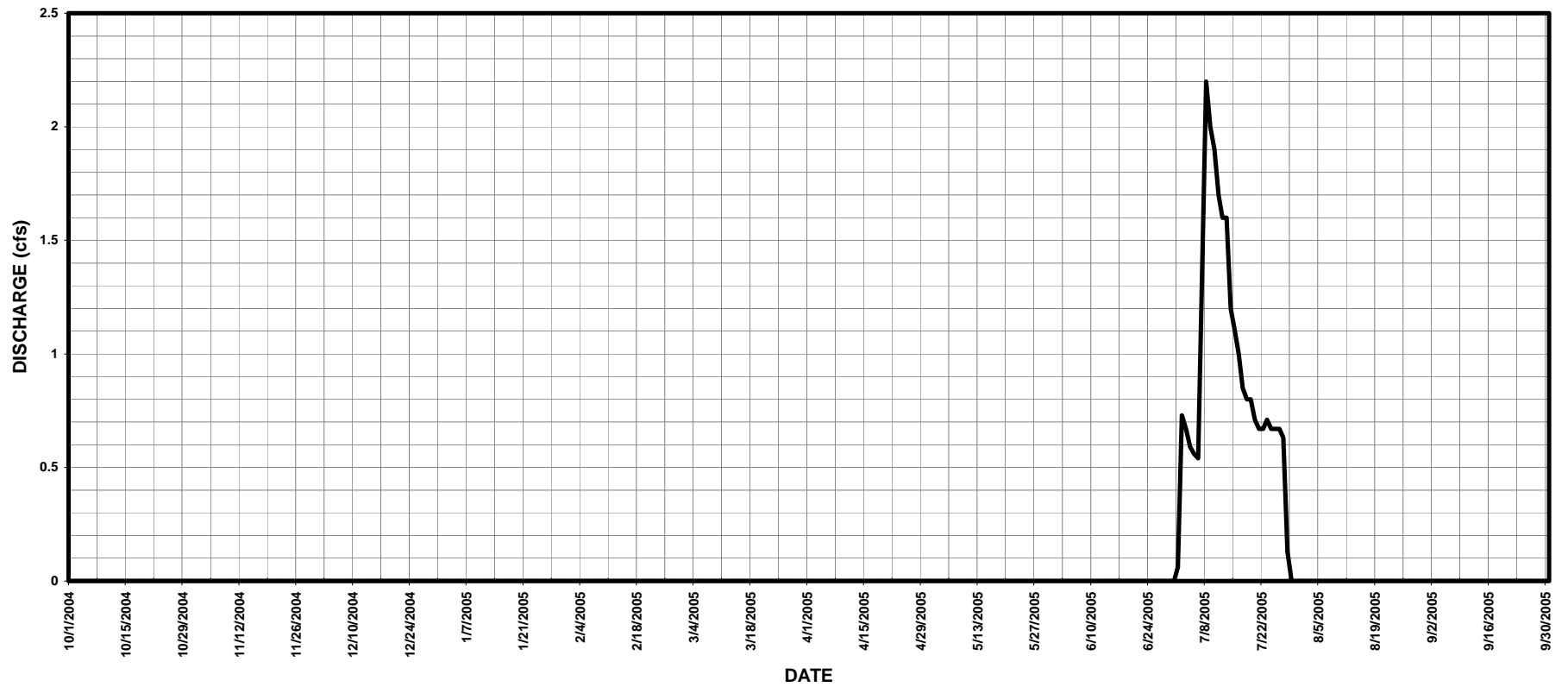
RATING TABLE.--DON LA FONT DITCH COMBINED (DITCH NO. 1 & 2)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
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	.06	0	0
2	0	0	0	0	0	0	0	0	0	.73	0	0
3	0	0	0	0	0	0	0	0	0	.67	0	0
4	0	0	0	0	0	0	0	0	0	.59	0	0
5	0	0	0	0	0	0	0	0	0	.56	0	0
6	0	0	0	0	0	0	0	0	0	.54	0	0
7	0	0	0	0	0	0	0	0	0	1.4	0	0
8	0	0	0	0	0	0	0	0	0	2.2	0	0
9	0	0	0	0	0	0	0	0	0	.2	0	0
10	0	0	0	0	0	0	0	0	0	1.9	0	0
11	0	0	0	0	0	0	0	0	0	1.7	0	0
12	0	0	0	0	0	0	0	0	0	1.6	0	0
13	0	0	0	0	0	0	0	0	0	1.6	0	0
14	0	0	0	0	0	0	0	0	0	1.2	0	0
15	0	0	0	0	0	0	0	0	0	1.1	0	0
16	0	0	0	0	0	0	0	0	0	.1	0	0
17	0	0	0	0	0	0	0	0	0	.85	0	0
18	0	0	0	0	0	0	0	0	0	.8	0	0
19	0	0	0	0	0	0	0	0	0	.8	0	0
20	0	0	0	0	0	0	0	0	0	.71	0	0
21	0	0	0	0	0	0	0	0	0	.67	0	0
22	0	0	0	0	0	0	0	0	0	.67	0	0
23	0	0	0	0	0	0	0	0	0	.71	0	0
24	0	0	0	0	0	0	0	0	0	.67	0	0
25	0	0	0	0	0	0	0	0	0	.67	0	0
26	0	0	0	0	0	0	0	0	0	.67	0	0
27	0	0	0	0	0	0	0	0	0	.63	0	0
28	0	0	0	0	0	0	0	0	0	.13	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	26.83	0	0
MEAN	0	0	0	0	0	0	0	0	0	.87	0	0
AC-FT	0	0	0	0	0	0	0	0	0	53	0	0
MAX	0	0	0	0	0	0	0	0	0	2.2	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR 2004	TOTAL		0	MEAN		0	MAX		0	AC-FT		0
WTR YR 2005	TOTAL		26.83	MEAN		.074	MAX		2.2	MIN		0
										AC-FT		53

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

09347000 DON LA FONT DITCH, COMBINED, AT PIEDRA PASS CO
WY2005 HYDROGRAPH



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 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

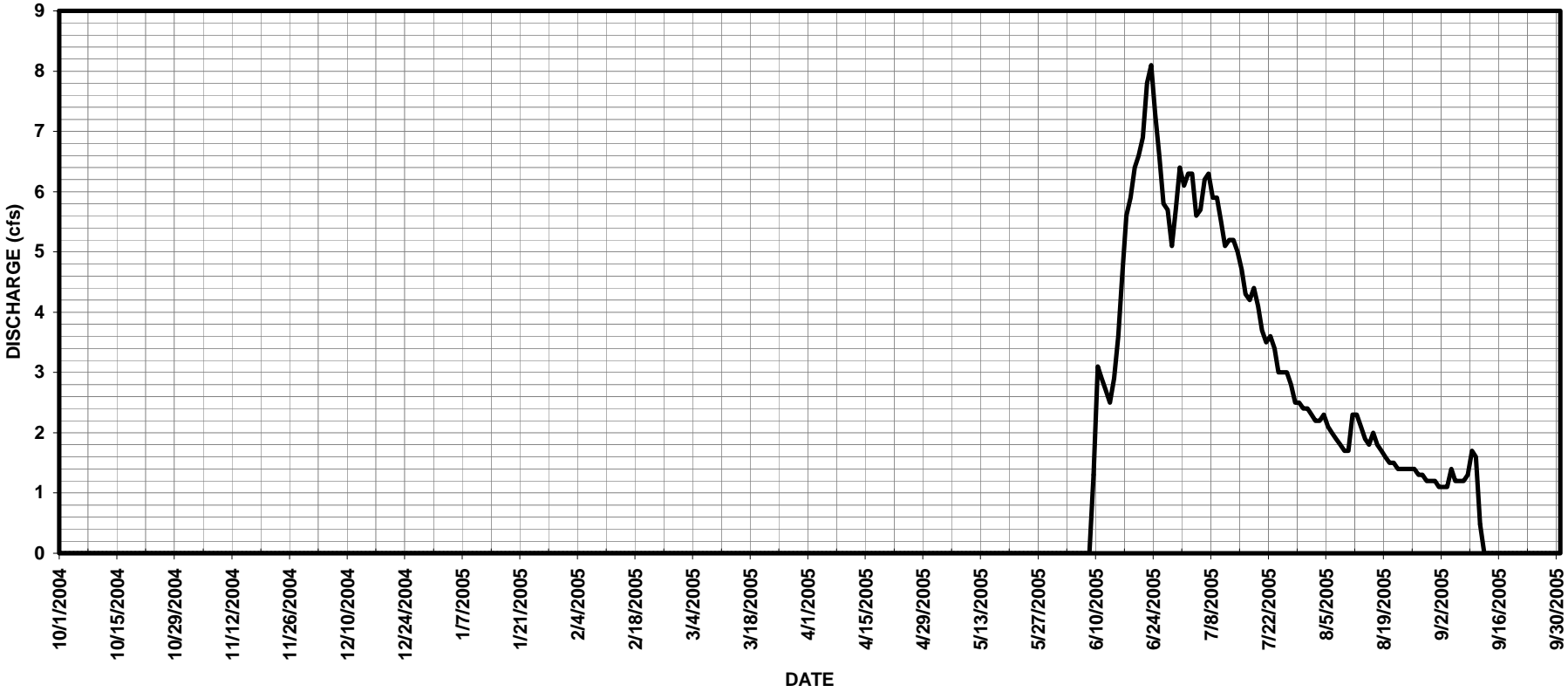
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	6.1	2.3	1.1
2	0	0	0	0	0	0	0	0	0	6.3	2.2	1.1
3	0	0	0	0	0	0	0	0	0	6.3	2.2	1.1
4	0	0	0	0	0	0	0	0	0	5.6	2.3	1.4
5	0	0	0	0	0	0	0	0	0	5.7	2.1	1.2
6	0	0	0	0	0	0	0	0	0	6.2	2	1.2
7	0	0	0	0	0	0	0	0	0	6.3	1.9	1.2
8	0	0	0	0	0	0	0	0	0	5.9	1.8	1.3
9	0	0	0	0	0	0	0	0	1.3	5.9	1.7	1.7
10	0	0	0	0	0	0	0	0	3.1	5.5	1.7	1.6
11	0	0	0	0	0	0	0	0	2.9	5.1	2.3	.48
12	0	0	0	0	0	0	0	0	2.7	5.2	2.3	0
13	0	0	0	0	0	0	0	0	2.5	5.2	2.1	0
14	0	0	0	0	0	0	0	0	2.9	5	1.9	0
15	0	0	0	0	0	0	0	0	3.6	4.7	1.8	0
16	0	0	0	0	0	0	0	0	4.6	4.3	2	0
17	0	0	0	0	0	0	0	0	5.6	4.2	1.8	0
18	0	0	0	0	0	0	0	0	5.9	4.4	1.7	0
19	0	0	0	0	0	0	0	0	6.4	4.1	1.6	0
20	0	0	0	0	0	0	0	0	6.6	3.7	1.5	0
21	0	0	0	0	0	0	0	0	6.9	3.5	1.5	0
22	0	0	0	0	0	0	0	0	7.8	3.6	1.4	0
23	0	0	0	0	0	0	0	0	8.1	3.4	1.4	0
24	0	0	0	0	0	0	0	0	7.3	3	1.4	0
25	0	0	0	0	0	0	0	0	6.6	3	1.4	0
26	0	0	0	0	0	0	0	0	5.8	3	1.4	0
27	0	0	0	0	0	0	0	0	5.7	2.8	1.3	0
28	0	0	0	0	0	0	0	0	5.1	2.5	1.3	0
29	0	0	0	0	---	0	0	0	5.7	2.5	1.2	0
30	0	0	0	0	---	0	0	0	6.4	2.4	1.2	0
31	0	---	0	0	---	0	---	0	---	2.4	1.2	---
TOTAL	0	0	0	0	0	0	0	0	113.5	137.8	53.9	13.38
MEAN	0	0	0	0	0	0	0	0	3.78	4.45	1.74	.45
AC-FT	0	0	0	0	0	0	0	0	225	273	107	27
MAX	0	0	0	0	0	0	0	0	8.1	6.3	2.3	1.7
MIN	0	0	0	0	0	0	0	0	0	2.4	1.2	0
CAL YR 2004	TOTAL	200.3	MEAN	0.55	MAX	5.1	MIN	0	AC-FT	397		
WTR YR 2005	TOTAL	318.58	MEAN	0.87	MAX	8.1	MIN	0	AC-FT	632		

MAX DISCH: 9.54 CFS AT 20:45 ON Jun. 22, 2005 GH 1.03 FT. SHIFT 0.09 FT.

MAX GH: 1.03 FT. AT 20:45 ON Jun. 22, 2005

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

0934800 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS CO
WY2005 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE 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 Div. III Hydrographic Staff.

RATING TABLE.--PRWDITCO04 USED FROM 01-OCT-2004 TO 30-SEP-2005

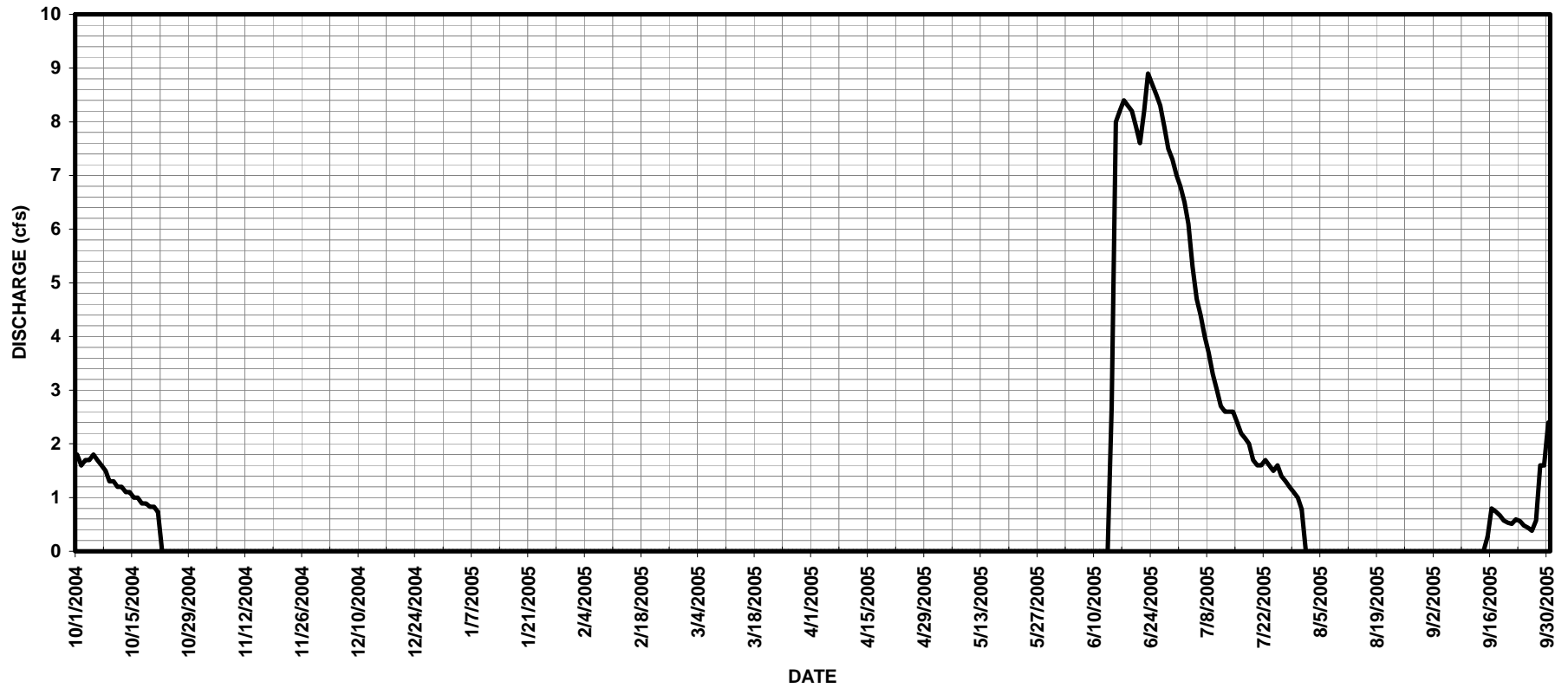
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	0	0	0	0	0	0	0	0	6.8	0	0
2	1.6	0	0	0	0	0	0	0	0	6.5	0	0
3	1.7	0	0	0	0	0	0	0	0	6.1	0	0
4	1.7	0	0	0	0	0	0	0	0	5.3	0	0
5	1.8	0	0	0	0	0	0	0	0	4.7	0	0
6	1.7	0	0	0	0	0	0	0	0	4.4	0	0
7	1.6	0	0	0	0	0	0	0	0	4	0	0
8	1.5	0	0	0	0	0	0	0	0	3.7	0	0
9	1.3	0	0	0	0	0	0	0	0	3.3	0	0
10	1.3	0	0	0	0	0	0	0	0	3	0	0
11	1.2	0	0	0	0	0	0	0	0	2.7	0	0
12	1.2	0	0	0	0	0	0	0	0	2.6	0	0
13	1.1	0	0	0	0	0	0	0	0	2.6	0	0
14	1.1	0	0	0	0	0	0	0	2.7	2.6	0	0
15	1	0	0	0	0	0	0	0	8	2.4	0	.28
16	1	0	0	0	0	0	0	0	8.2	2.2	0	.8
17	.89	0	0	0	0	0	0	0	8.4	2.1	0	.74
18	.89	0	0	0	0	0	0	0	8.3	2	0	.67
19	.83	0	0	0	0	0	0	0	8.2	1.7	0	.57
20	.83	0	0	0	0	0	0	0	7.9	1.6	0	.53
21	.73	0	0	0	0	0	0	0	7.6	1.6	0	.51
22	0	0	0	0	0	0	0	0	8.2	1.7	0	.59
23	0	0	0	0	0	0	0	0	8.9	1.6	0	.56
24	0	0	0	0	0	0	0	0	8.7	1.5	0	.48
25	0	0	0	0	0	0	0	0	8.5	1.6	0	.44
26	0	0	0	0	0	0	0	0	8.3	1.4	0	.38
27	0	0	0	0	0	0	0	0	7.9	1.3	0	.57
28	0	0	0	0	0	0	0	0	7.5	1.2	0	1.6
29	0	0	0	0	---	0	0	0	7.3	1.1	0	1.6
30	0	0	0	0	---	0	0	0	7	1	0	2.4
31	0	---	0	0	---	0	---	0	---	.78	0	---
TOTAL	26.77	0	0	0	0	0	0	0	131.6	85.08	0	12.72
MEAN	.86	0	0	0	0	0	0	0	4.39	2.74	0	.42
AC-FT	53	0	0	0	0	0	0	0	261	169	0	25
MAX	1.8	0	0	0	0	0	0	0	8.9	6.8	0	2.4
MIN	0	0	0	0	0	0	0	0	0	.78	0	0
CAL YR 2004	TOTAL	120.77	MEAN	.33	MAX	5.6	MIN	0	AC-FT	240		
WTR YR 2005	TOTAL	256.17	MEAN	.7	MAX	8.9	MIN	0	AC-FT	508		

MAX DISCH: 9.13 CFS AT 03:00 ON Jun. 23, 2005 GH 0.88 FT. SHIFT -0.04 FT.
MAX GH: 1.01 FT. AT 01:15 ON Sep. 30, 2005

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

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS CO
WY2005 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

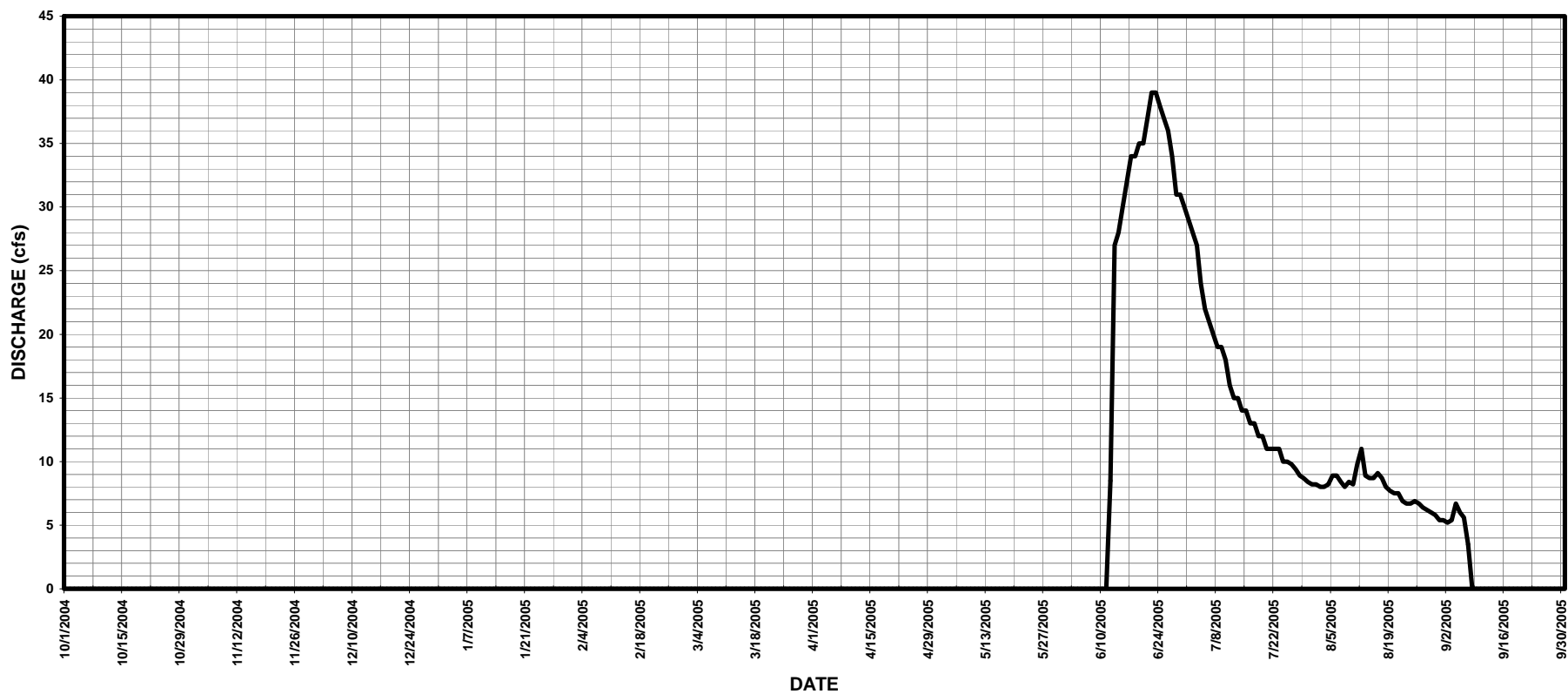
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	29	8.2	5.4
2	0	0	0	0	0	0	0	0	0	28	8	5.2
3	0	0	0	0	0	0	0	0	0	27	8	5.4
4	0	0	0	0	0	0	0	0	0	24	8.2	6.7
5	0	0	0	0	0	0	0	0	0	22	8.9	6
6	0	0	0	0	0	0	0	0	0	21	8.9	5.6
7	0	0	0	0	0	0	0	0	0	20	8.4	3.5
8	0	0	0	0	0	0	0	0	0	19	8	0
9	0	0	0	0	0	0	0	0	0	19	8.4	0
10	0	0	0	0	0	0	0	0	0	18	8.2	0
11	0	0	0	0	0	0	0	0	0	16	9.8	0
12	0	0	0	0	0	0	0	0	8.5	15	11	0
13	0	0	0	0	0	0	0	0	27	15	8.9	0
14	0	0	0	0	0	0	0	0	28	14	8.7	0
15	0	0	0	0	0	0	0	0	30	14	8.7	0
16	0	0	0	0	0	0	0	0	32	13	9.1	0
17	0	0	0	0	0	0	0	0	34	13	8.7	0
18	0	0	0	0	0	0	0	0	34	12	8	0
19	0	0	0	0	0	0	0	0	35	12	7.7	0
20	0	0	0	0	0	0	0	0	35	11	7.5	0
21	0	0	0	0	0	0	0	0	37	11	7.5	0
22	0	0	0	0	0	0	0	0	39	11	6.9	0
23	0	0	0	0	0	0	0	0	39	11	6.7	0
24	0	0	0	0	0	0	0	0	38	10	6.7	0
25	0	0	0	0	0	0	0	0	37	10	6.9	0
26	0	0	0	0	0	0	0	0	36	9.8	6.7	0
27	0	0	0	0	0	0	0	0	34	9.4	6.4	0
28	0	0	0	0	0	0	0	0	31	8.9	6.2	0
29	0	0	0	0	---	0	0	0	31	8.7	6	0
30	0	0	0	0	---	0	0	0	30	8.4	5.8	0
31	0	---	0	0	---	0	---	0	---	8.2	5.4	---
TOTAL	0	0	0	0	0	0	0	0	615.5	468.4	242.5	37.8
MEAN	0	0	0	0	0	0	0	0	20.5	15.1	7.8	1.26
AC-FT	0	0	0	0	0	0	0	0	1220	929	481	75
MAX	0	0	0	0	0	0	0	0	39	29	11	6.7
MIN	0	0	0	0	0	0	0	0	0	8.2	5.4	0

CAL YR 2004 TOTAL 284.6 MEAN 0.78 MAX 18 MIN 0 AC-FT 565
WTR YR 2005 TOTAL 1364.2 MEAN 3.74 MAX 39 MIN 0 AC-FT 2710

MAX DISCH: 39.3 CFS AT 15:00 ON Jun. 22, 2005 GH 1.56 FT. SHIFT -0.03 FT.
MAX GH: 1.56 FT. AT 15:00 ON Jun. 22, 2005

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

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS CO
WY2005 HYDROGRAPH



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.--Satellite (Sutron 8200 DCP) and strip chart recorder (Stevens A35) in a culvert type shelter. The recorder and shaft encoder operate from floats and are set to an inside drop tape. A Sutron Accububble has operated since Nov 4, 2002 with a new gravel pack installed at the bank. A common float is used with an oil cylinder during the winter. A new Sutron 8210 High Data Rate DCP was installed July 29, 2005.

REMARKS.--The record is complete, good, and reliable, except for the periods when the stage-discharge relationship was affected by ice for three periods, and when the flow exceeded 1500 cfs, which are rated poor. The ice periods were from Nov 28, 2004 through Jan. 21, 2005; Feb. 1, 2005 through Feb. 12, 2005 and Mar. 15 through 20, 2005. These periods were estimated comparing the strip chart, and using measurements 320 and 321 during the ice period and correlating the content of Paonia Reservoir and the outflow. These periods of record are considered poor. Temperature data were used for the lowest temperature days, and were obtained from the DCP. Station maintained by Steven W. Tuck and Gerald M. Thrush and record developed by Gerald M. Thrush.

RATING TABLE.--MUDAPRC007 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

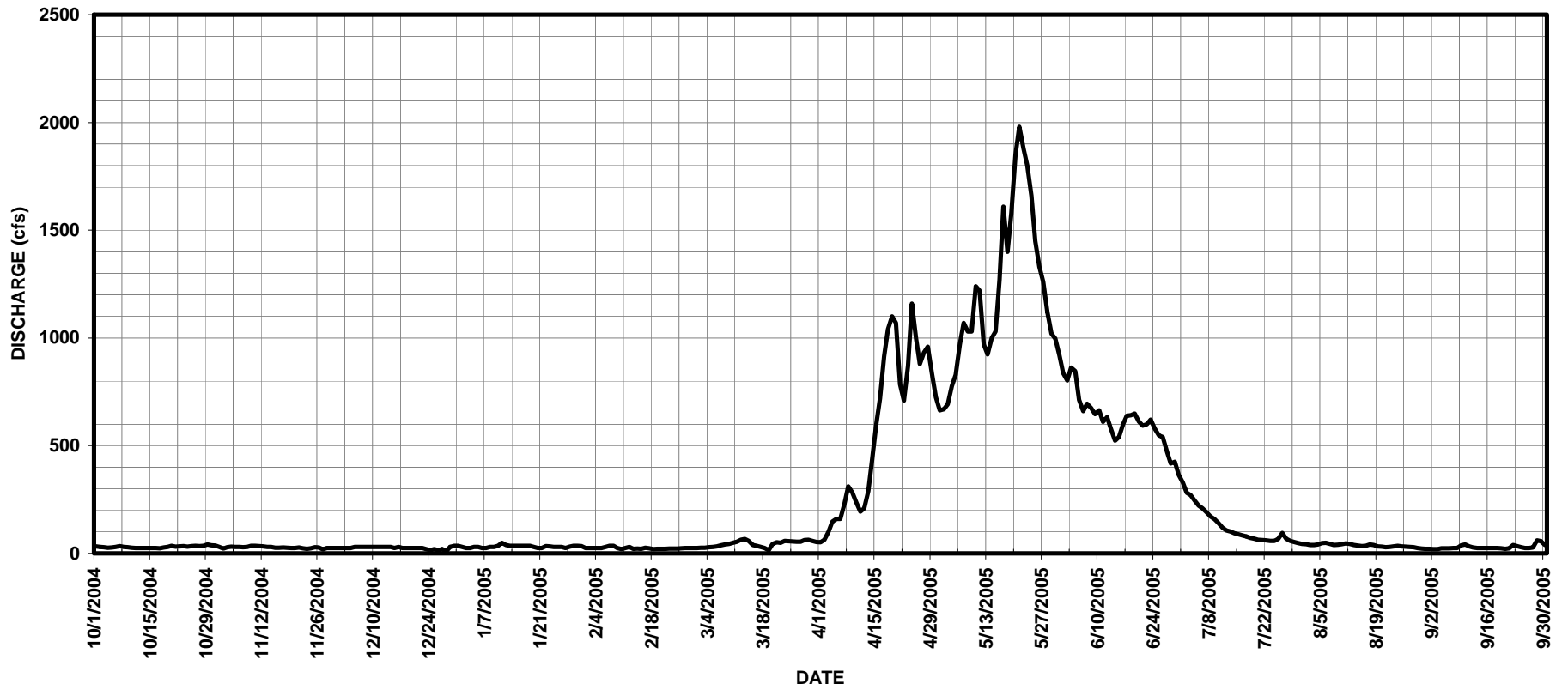
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	31	25	30	25	26	52	664	837	329	43	21
2	30	23	25	25	25	27	64	670	803	282	40	20
3	29	29	25	25	25	27	100	692	862	271	40	20
4	27	32	25	30	25	29	147	778	846	247	42	24
5	28	31	30	30	25	30	160	830	713	222	48	24
6	31	30	30	25	30	33	160	970	661	209	49	24
7	34	29	30	25	35	38	230	1070	695	190	44	25
8	31	31	30	30	35	42	311	1030	675	171	39	25
9	29	36	30	30	25	45	282	1030	646	159	41	38
10	27	36	30	35	20	50	238	1240	664	141	43	42
11	26	34	30	50	25	54	194	1220	611	119	47	33
12	26	33	30	40	30	63	209	971	633	107	45	28
13	26	30	30	35	22	67	289	923	578	101	39	26
14	26	31	30	35	23	59	432	1000	523	94	37	26
15	26	27	25	35	21	40	596	1030	540	89	34	26
16	25	27	30	35	27	35	719	1270	600	84	36	26
17	24	28	25	35	24	30	915	1610	639	79	42	25
18	28	27	25	35	20	25	1040	1400	641	73	39	25
19	31	25	25	30	22	15	1100	1580	649	68	33	24
20	35	25	25	25	22	45	1070	1850	612	64	32	22
21	32	28	25	25	22	52	785	1980	593	62	29	24
22	33	24	25	34	23	50	709	1880	599	61	30	39
23	34	22	20	33	23	59	870	1800	621	59	33	34
24	32	24	15	30	23	57	1160	1660	579	59	35	29
25	34	29	20	30	24	56	1000	1450	548	67	33	26
26	36	28	15	31	25	54	879	1330	540	95	32	25
27	34	19	20	26	26	55	933	1260	474	68	30	28
28	35	25	10	32	26	62	959	1120	418	58	29	61
29	42	25	30	36	---	63	835	1020	425	53	25	57
30	38	25	35	36	---	58	724	997	365	48	23	40
31	37	---	35	34	---	53	---	919	---	45	22	---
TOTAL	959	844	805	987	698	1399	17162	37244	18590	3774	1134	887
MEAN	30.9	28.1	26.0	31.8	24.9	45.1	572	1201	620	122	36.6	29.6
AC-FT	1900	1670	1600	1960	1380	2770	34040	73870	36870	7490	2250	1760
MAX	42	36	35	50	35	67	1160	1980	862	329	49	61
MIN	24	19	10	25	20	15	52	664	365	45	22	20

CAL YR	2004	TOTAL	28519.16	MEAN	77.9	MAX	523	MIN	0.56	AC-FT	56570
WTR YR	2005	TOTAL	84483	MEAN	231	MAX	1980	MIN	10	AC-FT	167600

MAX DISCH: 2650 CFS AT 21:45 ON May. 21, 2005 GH 8.73 FT. SHIFT 0.37 FT.
MAX GH: 8.73 FT. AT 21:45 ON May. 21, 2005

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

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR CO
WY2005 HYDROGRAPH



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.--Shaft encoder and high data rate satellite DCP (Sutron SatLink) and strip chart recorder (Stevens A 35) in a culvert type shelter. The recorder and shaft encoder are on separate floats and set to an inside drop tape. The DCP is in an outside NEMA box. The DCP electronic data log is the primary record.

REMARKS.--The primary record is the electronic data from the Sutron SatLink electronic data logger (EDL). The EDL record complete, good and reliable. Rating table MUDBPRC09 was developed and put into use this water year. The new rating curve has improved the record of the stage/discharge relation. There needs to be more high water measurements to establish and confirm the upper end of the rating. The record is good. Station maintained by Steven W. Tuck and Gerald M. Thrush and record developed by Gerald M. Thrush.

RATING TABLE.--MUDBPRC09 USED FROM 01-OCT-2004 TO 30-SEP-2005

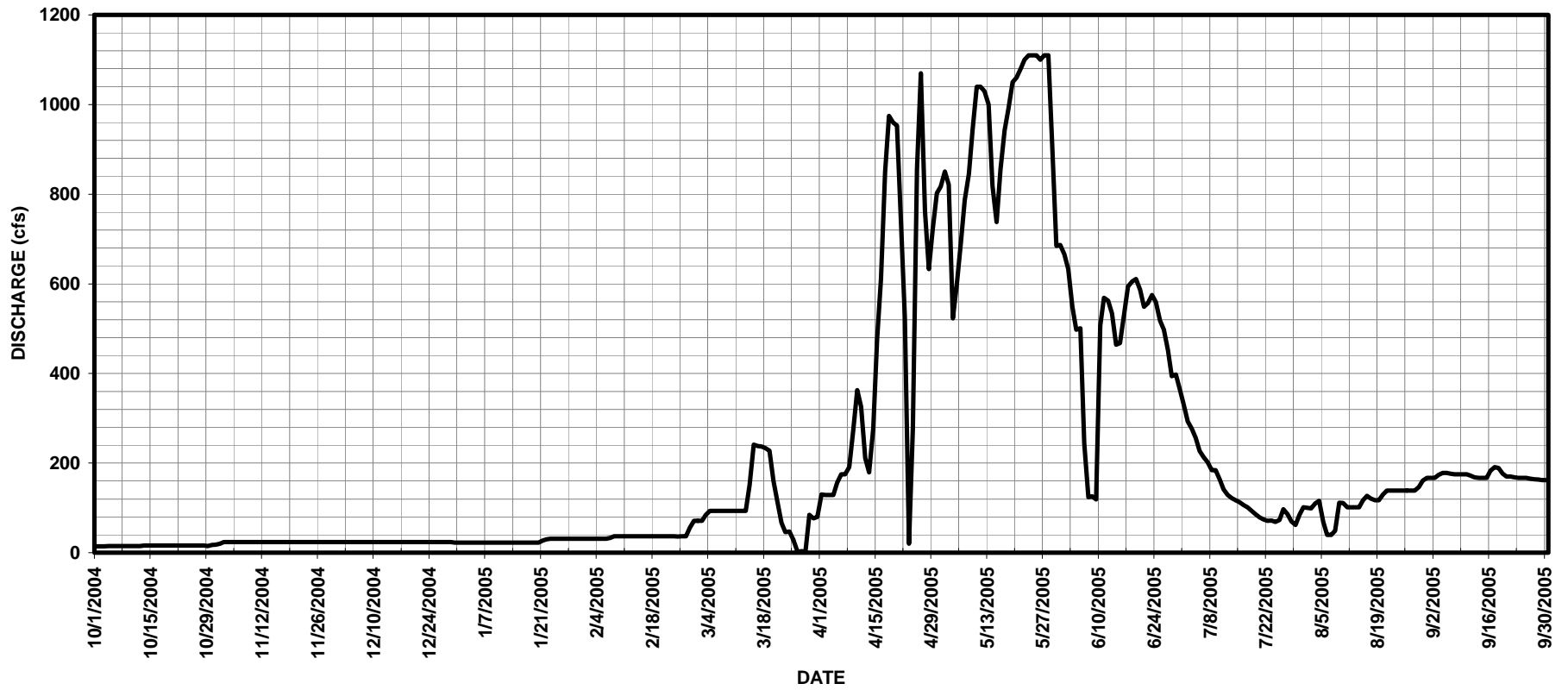
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	20	24	23	31	71	130	817	666	329	100	167
2	14	24	24	23	31	71	129	851	633	293	99	167
3	14	24	24	23	31	84	129	821	549	276	110	174
4	15	24	24	23	31	93	129	523	498	256	116	178
5	15	24	24	23	31	93	156	597	501	227	69	178
6	15	24	24	23	31	93	175	692	244	213	40	176
7	15	24	24	23	33	93	175	787	124	202	40	175
8	15	24	24	23	37	93	191	845	126	184	49	175
9	15	24	24	23	37	93	270	944	119	184	112	175
10	15	24	24	23	37	93	363	1040	507	163	111	175
11	15	24	24	23	37	93	326	1040	569	141	101	172
12	15	24	24	23	37	93	211	1030	562	129	101	168
13	16	24	24	23	37	93	179	1000	534	122	101	167
14	16	24	24	23	37	151	277	819	464	117	101	167
15	16	24	24	23	37	241	477	738	468	113	117	167
16	16	24	24	23	37	238	611	855	532	106	127	183
17	16	24	24	23	37	237	850	943	594	101	121	191
18	16	24	24	23	37	233	975	991	605	93	117	189
19	16	24	24	23	37	228	960	1050	611	86	117	177
20	16	24	24	23	37	160	953	1060	587	79	130	170
21	16	24	24	27	37	115	730	1080	549	74	139	170
22	16	24	24	30	37	67	525	1100	557	71	139	168
23	16	24	24	31	37	46	20	1110	575	72	139	167
24	16	24	24	31	36	47	276	1110	559	69	139	167
25	16	24	24	31	37	29	856	1110	518	73	139	167
26	16	24	24	31	37	2.7	1070	1100	498	97	139	165
27	16	24	24	31	56	2.8	762	1110	451	86	139	164
28	16	24	24	31	71	3.1	633	1110	394	70	139	163
29	15	24	24	31	---	84	722	908	398	62	147	162
30	17	24	23	31	---	77	802	685	365	84	161	162
31	18	---	23	31	---	80	---	687	---	101	167	---
TOTAL	483	716	742	796	1048	3197.6	14062	28553	14357	4273	3566	5146
MEAN	16	24	24	26	37	103	469	921	479	138	115	172
AC-FT	958	1420	1470	1580	2080	6340	27890	56630	28480	8480	7070	10210
MAX	18	24	24	31	71	241	1070	1110	666	329	167	191
MIN	14	20	23	23	31	2.7	20	523	119	62	40	162
CAL YR 2004	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0		
WTR YR 2005	TOTAL	76939.6	MEAN	211	MAX	1110	MIN	2.7	AC-FT	152600		

MAX DISCH: 1130 CFS AT 11:45 ON May. 24, 2005 GH 6.61 FT. SHIFT 0 FT.
MAX GH: 6.61 FT. AT 11:45 ON May. 24, 2005

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

09131500 MUDDY CREEK BELOW PAONIA RESERVOIR CO
WY2005 HYDROGRAPH



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.--Shaft encoder and satellite-monitored DCP (Sutron 8200 DCP) and strip chart recorder (Stevens A35) in a culvert type shelter. The recorder and shaft encoder operate from floats and are set to an inside drop tape. A high data rate Sutron 8210 DCP was installed October 5, 2004

REMARKS.--Record is complete, good, and reliable, except a period when the inlet was partially plugged and the stilling well was affected by very slow response to gate changes. This period ran from about Mar. 16, 2005 to Apr 29, 2005 when the well was pumped and the inlet cleared, and is rated fair. The normal operating period of the canal was from Oct. 01, 2004 to Oct. 25, 2004 and from Mar. 28, 2005 through Sep. 30, 2005. The intervening period, from Oct.26, 2004 to Mar. 27, 2005 consisted of seepage from the Gunnison Tunnel. This winter shut down period is a normal operational occurrence. This year there were nine occurrences of increased flow during this time. These were periods when the Gunnison Tunnel was turned on to fill Fairview Reservoir and the AB Lateral head gate was left open. There were nine days of zero flow during the winter period. The increased flows were seen Nov. 22 & 23; Dec. 7 & 8, 21 & 22 in 2004. The AB and C Drop aka the AB Lateral Canal is part of the Gunnison Tunnel complex. The South Canal is the other part. The two structures are combined to account for the total diversion through the Gunnison Tunnel. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--ABCLATCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

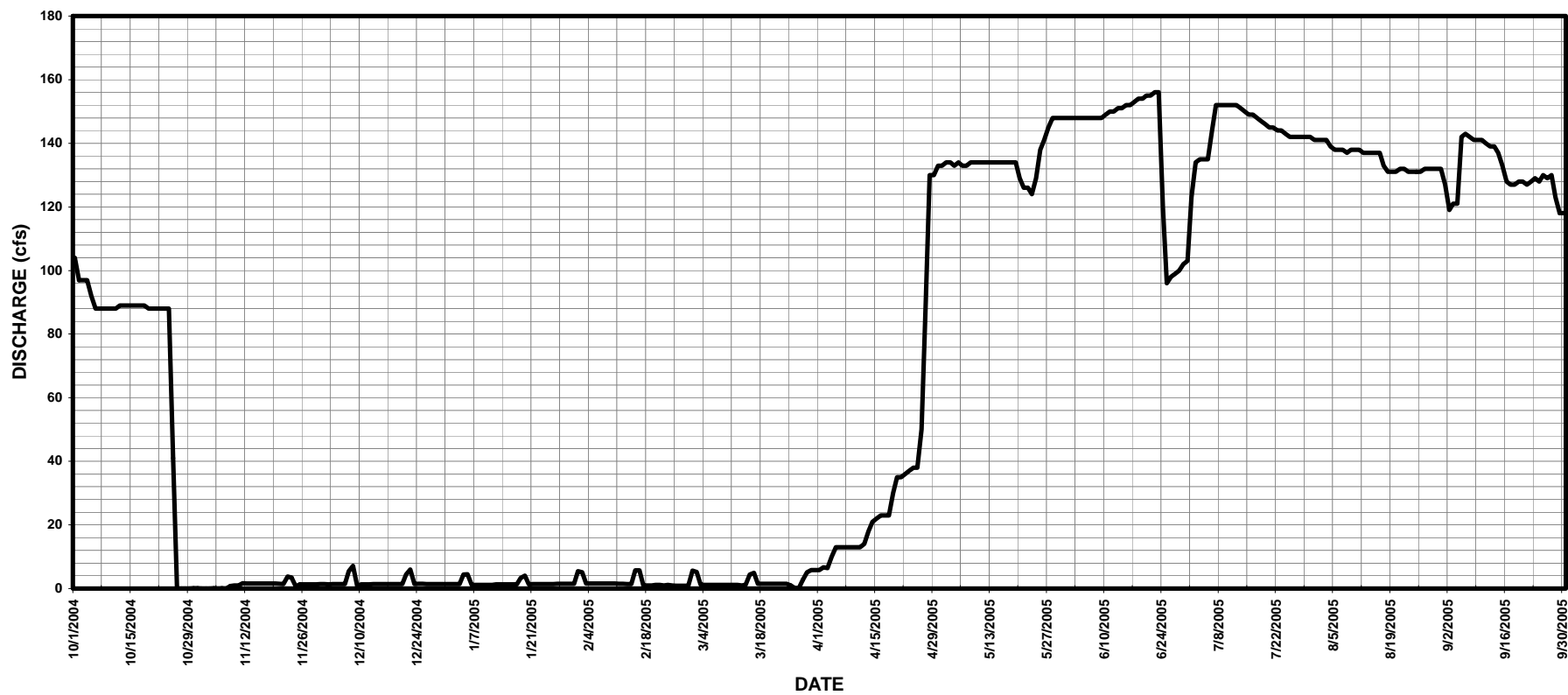
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	0	1.4	1.4	5.4	5.6	5.8	133	148	123	141	127
2	97	0	1.3	1.4	5.1	5.2	6.7	134	148	134	141	119
3	97	0	1.4	1.4	1.6	1.2	6.4	134	148	135	141	121
4	97	.13	1.4	4.4	1.6	1.1	10	133	148	135	139	121
5	92	0	1.4	4.5	1.6	1.1	13	134	148	135	138	142
6	88	.05	1.4	1.1	1.6	1.1	13	133	148	144	138	143
7	88	0	5.4	1.1	1.6	1.1	13	133	148	152	138	142
8	88	.8	7.1	1.1	1.6	1.1	13	134	148	152	137	141
9	88	.96	.82	1.1	1.6	1.1	13	134	148	152	138	141
10	88	.98	1.3	1.1	1.6	1.1	13	134	149	152	138	141
11	88	1.7	1.3	1.1	1.5	1.1	13	134	150	152	138	140
12	89	1.6	1.3	1.3	1.5	1.1	14	134	150	152	137	139
13	89	1.6	1.4	1.3	1.4	1	18	134	151	151	137	139
14	89	1.6	1.4	1.3	1.4	1.1	21	134	151	150	137	137
15	89	1.6	1.4	1.3	5.7	4.4	22	134	152	149	137	133
16	89	1.6	1.4	1.3	5.7	4.9	23	134	152	149	137	128
17	89	1.6	1.4	1.3	1	1.5	23	134	153	148	133	127
18	89	1.6	1.4	3.3	1	1.5	23	134	154	147	131	127
19	88	1.6	1.4	4	1	1.5	30	134	154	146	131	128
20	88	1.5	1.4	1.3	1.1	1.5	35	129	155	145	131	128
21	88	1.4	4.4	1.4	1.1	1.5	35	126	155	145	132	127
22	88	3.8	6	1.4	1	1.5	36	126	156	144	132	128
23	88	3.4	1.4	1.4	1.1	1.5	37	124	156	144	131	129
24	88	.71	1.5	1.4	.99	1.5	38	129	120	143	131	128
25	41	1.3	1.5	1.4	.92	1	38	138	96	142	131	130
26	0	1.3	1.4	1.4	.92	.2	50	141	98	142	131	129
27	0	1.3	1.4	1.5	.92	.2	90	145	99	142	132	130
28	0	1.3	1.4	1.5	.92	2.7	130	148	100	142	132	123
29	0	1.3	1.4	1.5	---	5.1	130	148	102	142	132	118
30	.05	1.4	1.4	1.5	---	5.8	133	148	103	142	132	118
31	.08	---	1.4	1.5	---	5.8	---	148	---	141	132	---
TOTAL	2207.13	36.13	59.92	52	52.47	66.1	1045.9	4192	4188	4472	4186	3924
MEAN	71.2	1.2	1.93	1.68	1.87	2.13	34.9	135	140	144	135	131
AC-FT	4380	72	119	103	104	131	2070	8310	8310	8870	8300	7780
MAX	104	3.8	7.1	4.5	5.7	5.8	133	148	156	152	141	143
MIN	0	0	.82	1.1	.92	.2	5.8	124	96	123	131	118
CAL YR 2004	TOTAL	23027.58	MEAN	62.9	MAX	133	MIN	0	AC-FT	45680		
WTR YR 2005	TOTAL	24481.65	MEAN	67.1	MAX	156	MIN	0	AC-FT	48560		

MAX DISCH: 158 CFS AT 16:15 ON Jun. 23, 2005 GH 3.18 FT. SHIFT 0.15 FT.
MAX GH: 3.31 FT. AT 13:30 ON Jul. 7, 2005

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

ABC LATERAL NEAR MONTROSE CO
WY2005 HYDROGRAPH



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.--Shaft encoder connected via buried telephone cable to the satellite-monitored DCP at the AB Lateral shelter house and a strip chart recorder (Stevens A35). The recorder and shaft encoder operate from a common float and are set to an inside drop tape. Stops have been installed since Oct. 31, 2000. A high data rate Sutron 8210 DCP was installed at the AB Lateral October 5, 2004.

REMARKS.--The DCP record is complete, reliable, and good during the normal operating season, except when the float was stuck from Jun. 24, 2005 to Jun. 27, 2005 which is fair. The strip chart was used on two occasions when there were problems with the DCP record. The first time was when the DCP was upgraded to a high data rate Sutron 8210. The new set up failed to operate on part of Oct. 5 and 6, 2004. The second was from Sep. 2 to 6, 2005 when a change in set up caused the DCP recording to shut off. Chart data were used without loss of accuracy during these periods. The normal operating period was from Oct. 1 to Oct.25, 2004 and from Mar. 28 to Sep 30, 2005. The early shut down, before the end of November, was because storage in Taylor Park Reservoir was being conserved and exchange water in Ridgway Reservoir was used. The intervening winter period reflected use on 10 occasions to fill Fairview Reservoir. These periods were Nov 8, 9; 22, 23; Dec. 7-9; 21-24, 2004; Jan. 4-5; 18-19; Feb. 1-2; 15-17; Mar. 1-2; 15-17, 2005. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--SOUCANCO15 USED FROM 01-OCT-2004 TO 30-SEP-2005

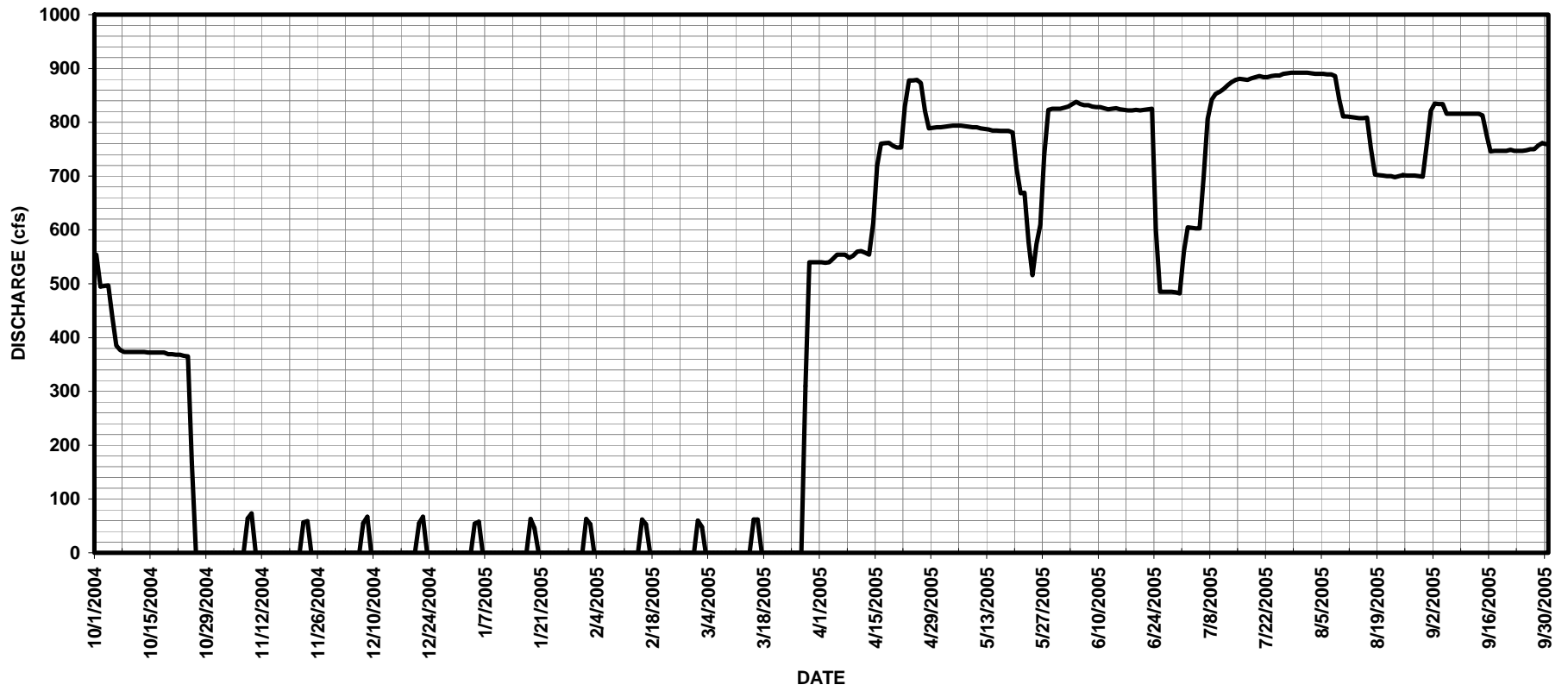
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	554	.00	.00	.00	63	60	540	791	827	560	892	821
2	495	.00	.00	.00	53	48	539	792	829	605	891	835
3	496	.00	.00	.00	.00	.00	540	793	834	604	890	834
4	497	.00	.00	54	.00	.00	547	794	838	603	890	834
5	440	.00	.00	58	.00	.00	554	794	834	603	890	816
6	385	.00	.00	.00	.00	.00	554	794	832	701	889	816
7	377	.00	55	.00	.00	.00	554	793	832	806	889	816
8	373	64	67	.00	.00	.00	548	792	829	842	886	816
9	373	73	.00	.00	.00	.00	552	791	828	853	842	816
10	373	.00	.00	.00	.00	.00	560	791	828	857	811	816
11	373	.00	.00	.00	.00	.00	561	789	826	862	811	816
12	373	.00	.00	.00	.00	.00	558	788	824	869	810	816
13	373	.00	.00	.00	.00	.00	554	787	825	875	809	816
14	372	.00	.00	.00	.00	.00	613	785	826	879	808	813
15	372	.00	.00	.00	62	62	719	785	824	881	808	776
16	372	.00	.00	.00	53	62	760	784	823	880	809	746
17	372	.00	.00	.00	.00	.00	761	784	822	879	752	747
18	372	.00	.00	63	.00	.00	762	784	822	882	703	747
19	369	.00	.00	46	.00	.00	756	781	823	884	702	747
20	369	.00	.00	.00	.00	.00	753	715	822	886	701	747
21	368	.00	55	.00	.00	.00	753	668	823	884	700	749
22	368	57	67	.00	.00	.00	829	669	824	884	700	747
23	366	59	.00	.00	.00	.00	878	576	825	886	698	747
24	365	.00	.00	.00	.00	.00	878	516	600e	887	700	747
25	168	.00	.00	.00	.00	.00	879	574	485e	887	702	748
26	.00	.00	.00	.00	.00	.00	873	610	485e	890	701	750
27	.00	.00	.00	.00	.00	.00	821	739	485e	891	701	750
28	.00	.00	.00	.00	.00	310	789	823	485	892	701	757
29	.00	.00	.00	.00	---	540	790	825	484	892	700	761
30	.00	.00	.00	.00	---	540	791	825	482	892	699	759
31	.00	---	.00	.00	---	540	---	825	---	892	760	---
TOTAL	9715.00	253.00	244.00	221.00	231.00	2162.00	20566	23357	22526	25588	24245	23506
MEAN	313	8.43	7.87	7.13	8.25	69.7	686	753	751	825	782	784
AC-FT	19270	502	484	438	458	4290	40790	46330	44680	50750	48090	46620
MAX	554	73	67	63	63	540	879	825	838	892	892	835
MIN	.00	.00	.00	.00	.00	.00	539	516	482	560	698	746
CAL YR 2004	TOTAL	154420.87	MEAN	422	MAX	928	MIN	.00	AC-FT	306300		
WTR YR 2005	TOTAL	152614.00	MEAN	418	MAX	892	MIN	.00	AC-FT	302700		

MAX DISCH: 898 CFS AT 09:45 ON Aug. 1, 2005 GH 3.45 FT. SHIFT -0.47 FT.
MAX GH: 3.54 FT. AT 17:15 ON Sep. 1, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

SOUTH CANAL NEAR MONTROSE CO
WY2005 HYDROGRAPH



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. The shelter is a 48 inch culvert with a Stevens A35 recorder and a Sutron 8200 DCP. These, are both activated by separate floats in the stilling well. The recorder and SE are set to an inside drop tape. A Sutron SatLink Logger 2 and a new SDI-12 shaft encoder were installed July 28, 2005.

REMARKS.--The primary record is the electronic data from the Sutron 8200, and the SatLink Logger. The DCP (8200) was set to measure every five minutes. The new SatLink Logger is not able to achieve that schedule. The transmitted satellite data were used after the new DCP was installed. This record proves to be complete, reliable, and good, except when the stage-discharge relationship was affected by ice from Nov. 30 to Dec. 4, 2004 and Feb. 2-5, 2005. These periods were estimated and are considered poor. Station maintained by Steven W. Tuck and Gerald M. Thrush and record developed by Gerald M. Thrush.

RATING TABLE.--UNCOLACO7 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

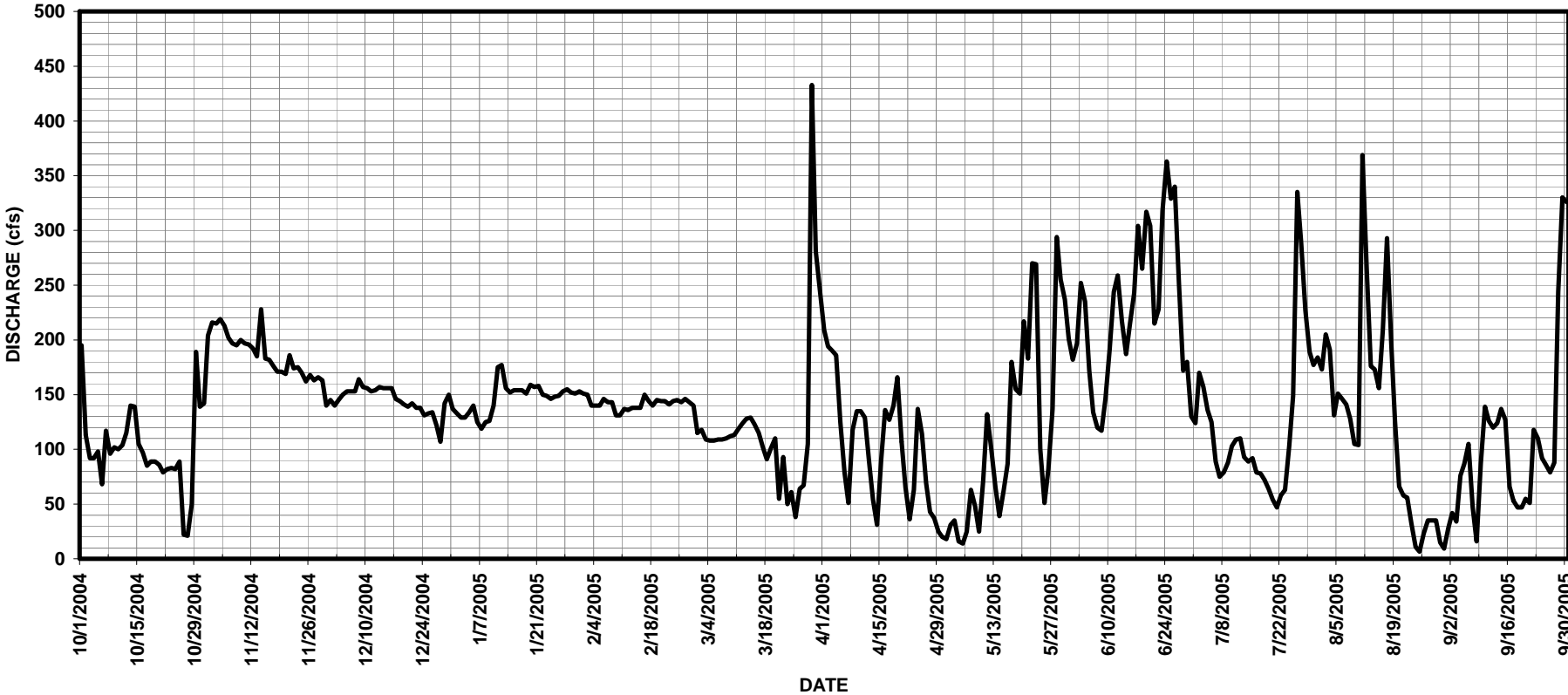
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	204	145	133	151	115	209	18	182	124	173	28
2	113	216	140	129	150	118	194	31	197	170	205	42
3	92	215	145	129	140	109	190	35	252	157	191	34
4	92	219	150	134	140	108	186	16	235	136	131	76
5	98	213	153	140	140	108	125	14	172	125	151	87
6	68	202	153	125	146	109	79	25	134	89	146	105
7	117	197	153	119	143	109	51	63	120	75	141	47
8	96	195	164	125	143	110	118	48	117	79	128	16
9	102	200	157	126	131	112	135	25	146	88	105	87
10	100	197	156	140	131	113	135	72	191	103	104	139
11	104	196	153	175	137	119	129	132	244	109	369	126
12	115	192	154	177	136	124	89	100	259	110	266	120
13	140	185	157	156	138	128	54	65	217	93	176	124
14	139	228	156	152	138	129	31	39	187	89	173	137
15	105	183	156	154	138	123	91	62	215	92	156	127
16	97	182	156	154	150	115	136	87	243	79	209	66
17	85	176	146	154	144	102	127	180	304	78	293	53
18	89	171	144	151	140	91	140	155	265	72	198	47
19	89	171	141	159	145	101	166	151	317	64	126	47
20	86	169	139	157	144	110	107	217	304	54	66	55
21	79	186	142	158	144	55	65	183	215	47	58	51
22	82	174	138	150	141	93	36	270	228	58	56	118
23	83	175	138	149	144	50	63	269	318	63	32	110
24	82	170	131	146	145	61	137	100	363	103	11	92
25	89	162	133	148	143	38	114	51	329	149	6.7	86
26	22	168	134	149	146	64	69	82	340	335	23	79
27	21	163	122	153	143	67	43	137	251	288	35	88
28	50	166	107	155	140	105	37	294	172	227	35	244
29	189	163	142	152	---	433	25	255	180	189	35	330
30	139	140	150	151	---	281	20	237	130	177	15	326
31	142	---	137	153	---	245	---	201	---	184	9.4	---
TOTAL	3100	5578	4492	4553	3971	3745	3101	3614	6827	3806	3823.1	3087
MEAN	100	186	145	147	142	121	103	117	228	123	123	103
AC-FT	6150	11060	8910	9030	7880	7430	6150	7170	13540	7550	7580	6120
MAX	195	228	164	177	151	433	209	294	363	335	369	330
MIN	21	140	107	119	131	38	20	14	117	47	6.7	16

CAL YR	2004	TOTAL	39305.6	MEAN	107	MAX	488	MIN	1.5	AC-FT	77960
WTR YR	2005	TOTAL	49697.1	MEAN	136	MAX	433	MIN	6.7	AC-FT	98570

MAX DISCH: 857 CFS AT 05:45 ON Aug. 11, 2005 GH 4.52 FT. SHIFT 0.02 FT.
MAX GH: 4.52 FT. AT 05:45 ON Aug. 11, 2005

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

UNCOMPAHGRE RIVER NEAR OLATHE CO
WY2005 HYDROGRAPH



GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, CO

LOCATION.--Lat 39°01'49", long 108°33'51", in NW¼SW¼NW¼ Sec 35, T1S, R1W, Mesa County, on the right bank of canal 650 ft. below the Redlands diversion dam until Oct. 25, 2004. Beginning Apr. 1, 2005, Lat 39°02'52.93", long 108°34'33.16", in the NE¼ NW¼NE¼ Sec 27, T1S, R1W on the right bank just downstream of and attached to an old bridge.

GAGE.--Until October 25, 2004, satellite (Sutron 8210 DCP) and strip chart (Stevens A35) recorder. Floats operated from a 4 foot diameter CMP well in an 8 ft. by 10 ft. steel shed on a concrete pad. The shaft encoder and recorder are set to an inside drop tape. There is also an Acoustic Doppler Current Meter (ADVM) on a temporary cooperative agreement / study with the USGS. Beginning Apr. 1, 2005, satellite (Sutron 8210 DCP) and a Sutron accububble set to an outside staff gage. The same USGS ADVM was installed.

REMARKS.--Record is complete and reliable except when the station was closed and from the Apr. 1-4, 2005 when there were problems with data decoding. The canal shut down Oct. 18, 2004 for construction of a fish screen structure involved with the Colorado River Fish Recovery program. There is no gage height record during the shut down period from Oct. 18, 2004 to Apr. 1, 2005. There were, however, several direct observations of no flow during this time. The record is fair except when the canal has been documented to be shut down and when the canal came back on until the decoding sequence was corrected. The Redlands Canal was shut down completely from Oct. 19, 2004 through March 31, 2005, and that portion of the record is rated excellent. The period when the recording was turned off and then the decoding was out of sequence was from Apr. 1, 2005 through Apr. 4, 2005, and is rated poor. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--RLCGRJCO04 USED FROM 01-OCT-2004 TO 18-OCT-2004
RLCGRJCO07 USED FROM 01-APR-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

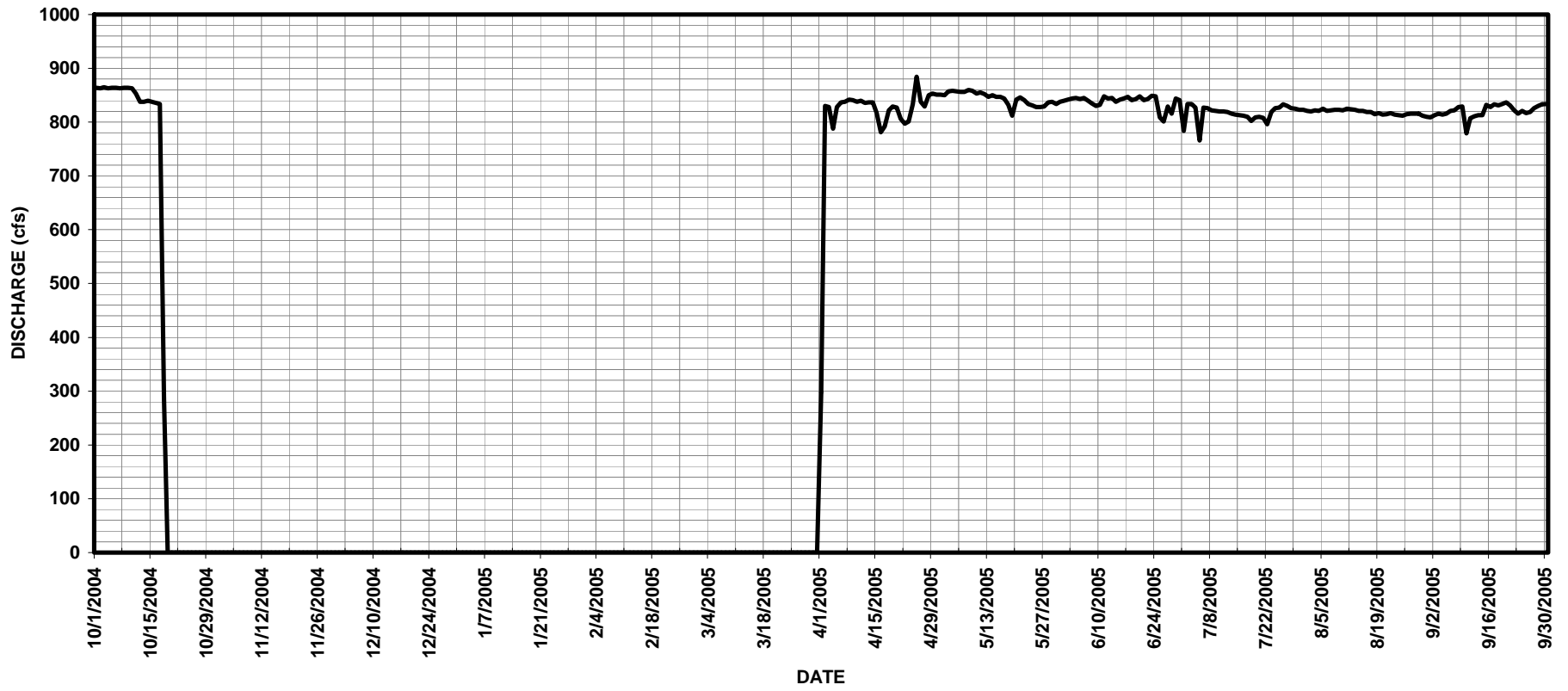
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	864	0	0	0	0	0	298	851	840	784	821	809
2	863	0	0	0	0	0	830	850	842	834	820	813
3	865	0	0	0	0	0	828	857	844	834	822	816
4	863	0	0	0	0	0	788	858	845	827	821	814
5	864	0	0	0	0	0	828	857	843	766	825	816
6	864	0	0	0	0	0	837	856	845	827	821	821
7	863	0	0	0	0	0	838	856	840	826	822	822
8	864	0	0	0	0	0	842	860	835	822	823	828
9	864	0	0	0	0	0	841	858	830	821	823	829
10	863	0	0	0	0	0	838	853	832	820	822	779
11	853	0	0	0	0	0	840	855	848	820	825	807
12	838	0	0	0	0	0	836	852	844	819	824	811
13	838	0	0	0	0	0	837	847	845	816	823	813
14	840	0	0	0	0	0	837	850	838	814	821	813
15	838	0	0	0	0	0	817	847	842	813	821	832
16	836	0	0	0	0	0	781	847	844	812	819	828
17	834	0	0	0	0	0	792	844	847	810	819	833
18	287	0	0	0	0	0	822	832	841	802	815	831
19	0	0	0	0	0	0	829	812	843	809	817	834
20	0	0	0	0	0	0	827	842	848	810	814	837
21	0	0	0	0	0	0	806	846	841	808	815	831
22	0	0	0	0	0	0	797	841	843	796	817	822
23	0	0	0	0	0	0	801	834	849	819	814	816
24	0	0	0	0	0	0	833	831	848	826	813	821
25	0	0	0	0	0	0	884	828	809	827	812	817
26	0	0	0	0	0	0	838	828	801	833	815	819
27	0	0	0	0	0	0	829	829	829	830	816	826
28	0	0	0	0	0	0	850	837	816	826	816	830
29	0	0	0	0	---	0	853	838	844	825	816	833
30	0	0	0	0	---	0	851	834	841	823	812	834
31	0	---	0	0	---	0	---	838	---	823	810	---
TOTAL	14801	0	0	0	0	0	24328	26168	25157	25322	25374	24635
MEAN	477	0	0	0	0	0	811	844	839	817	819	821
AC-FT	29360	0	0	0	0	0	48250	51900	49900	50230	50330	48860
MAX	865	0	0	0	0	0	884	860	849	834	825	837
MIN	0	0	0	0	0	0	298	812	801	766	810	779

CAL YR	2004	TOTAL	218021	MEAN	596	MAX	876	MIN	0	AC-FT	432400
WTR YR	2005	TOTAL	165785	MEAN	454	MAX	884	MIN	0	AC-FT	328800

MAX DISCH: 938 CFS AT 18:30 ON Apr. 22, 2005 GH 7.53 FT. SHIFT -0.01 FT.

MAX GH: 7.53 FT. AT 18:30 ON Apr. 22, 2005

REDLANDS CANAL NEAR GRAND JUNCTION CO
WY2005 HYDROGRAPH



GUNNISON RIVER BASIN

GUNNISON RIVER BELOW REDLANDS DIVERSION DAM NEAR GRAND JUNCTION, CO

LOCATION.--Lat 39°02'17", long 108°34'13", in SW¼SW¼ sec 26, T.1 S., R.1 W., Mesa County, on the right bank of the Gunnison River just up stream of the Department of Energy Compound, about 1.6 miles above the mouth and the Colorado River, and about 0.78 miles below the Redlands Canal Diversion Dam.

GAGE.--Sutron SatLink Logger high data rate DCP controlling a Sutron accububble in a 48-inch diameter CMP shelter on a concrete pad. There is no back up strip chart. There is an outside cantilever gage.

REMARKS.--The primary record is the electronic data from the Sutron SatLink Logger. This record proves to be complete and reliable. The record is rated good, except during periods when the stage-discharge relationship was affected by ice, and those periods when the discharge is greater than 4000 cfs, which are rated poor. The ice periods were Dec. 1-7, 22-31, 2004; Jan. 11-13, 2005. Flows during ice effect were estimated using a hydrograph and temperature data. The high flow periods, when flows were above 4000 cfs were Apr. 16, 2005 - Jun. 6, 2005, Jun. 11-13, 17-20 and 24, 2005. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--GUNREDCO04 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

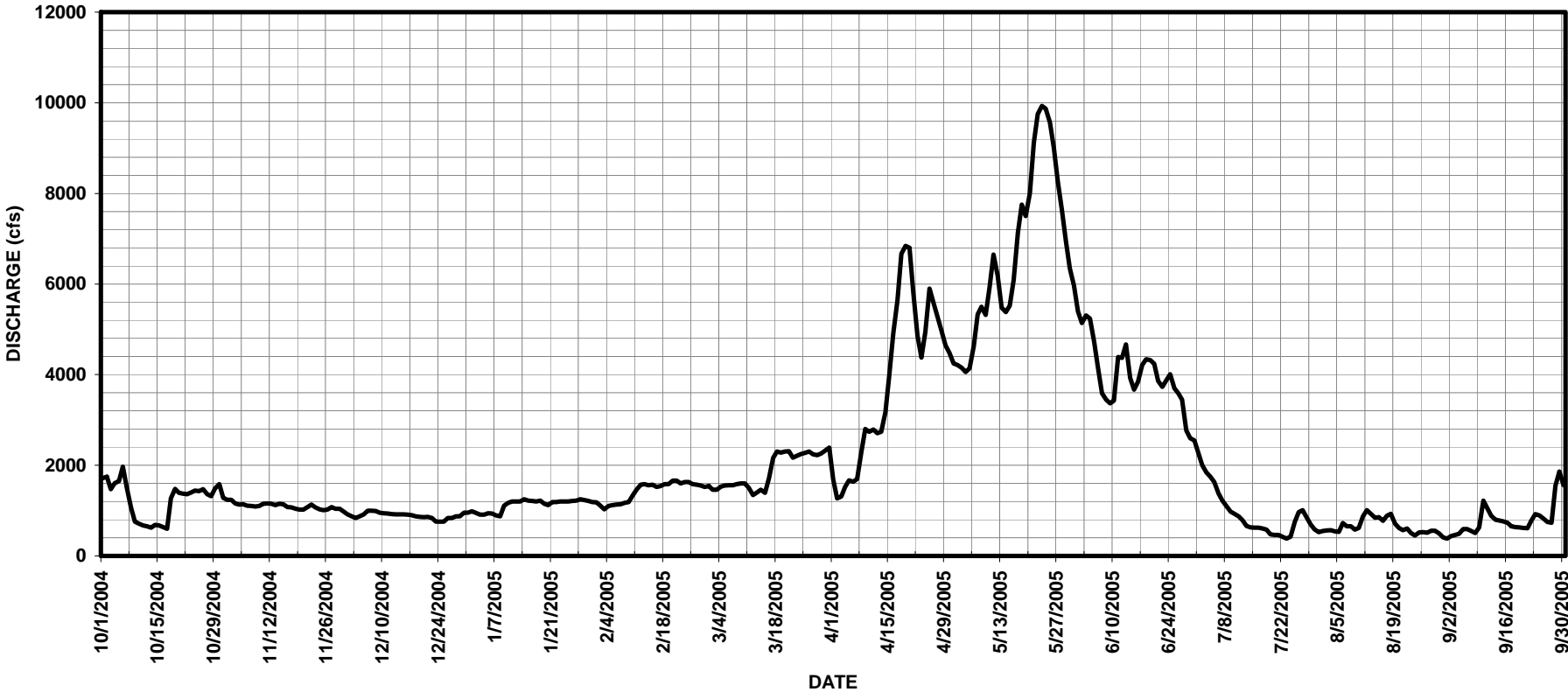
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1720	1240	915	988	1180	1540	1690	4250	5400	2270	550	384
2	1750	1240	875	946	1110	1460	1270	4210	5140	2000	562	437
3	1470	1160	835	910	1030	1460	1310	4150	5310	1840	565	463
4	1610	1130	875	911	1100	1530	1520	4060	5240	1750	541	489
5	1650	1140	915	943	1120	1550	1670	4140	4720	1630	531	592
6	1970	1110	995	934	1130	1560	1640	4630	4140	1380	724	593
7	1510	1100	995	895	1140	1560	1700	5330	3590	1220	653	549
8	1070	1090	994	877	1170	1580	2290	5500	3450	1100	651	507
9	756	1100	957	1110	1190	1600	2800	5320	3370	980	576	626
10	715	1150	945	1170	1330	1600	2740	5930	3430	929	618	1220
11	670	1160	935	1200	1460	1500	2790	6650	4390	875	872	1050
12	653	1150	922	1200	1570	1340	2710	6180	4370	786	1010	886
13	623	1120	917	1200	1580	1400	2740	5480	4670	658	931	802
14	681	1150	919	1250	1560	1460	3170	5380	3930	627	842	781
15	674	1140	917	1220	1570	1390	4000	5520	3670	620	853	763
16	635	1080	909	1210	1520	1710	4910	6090	3840	619	777	730
17	595	1070	902	1200	1540	2160	5640	7130	4210	605	887	653
18	1270	1040	874	1220	1580	2300	6670	7750	4340	578	927	636
19	1480	1020	865	1150	1580	2280	6840	7500	4320	473	712	630
20	1390	1020	857	1120	1660	2300	6800	8010	4240	461	615	614
21	1370	1080	863	1190	1660	2310	5820	9120	3860	460	564	609
22	1360	1130	835	1190	1600	2170	4860	9750	3730	417	605	780
23	1400	1070	755	1200	1630	2210	4380	9930	3870	380	506	921
24	1440	1030	755	1200	1630	2250	4940	9870	4010	425	447	895
25	1430	1010	755	1200	1580	2270	5900	9570	3700	751	515	828
26	1470	1020	835	1210	1570	2300	5590	9010	3590	969	525	754
27	1360	1080	835	1220	1550	2240	5290	8270	3450	1010	512	733
28	1320	1040	875	1250	1520	2220	4960	7620	2770	845	556	1550
29	1490	1040	875	1230	---	2260	4650	6950	2600	689	555	1860
30	1580	977	955	1210	---	2320	4480	6350	2550	582	490	1560
31	1280	---	955	1190	---	2390	---	5960	---	525	409	---
TOTAL	38392	32887	27611	34944	39860	58220	115770	205610	119900	28454	20081	23895
MEAN	1238	1096	891	1127	1424	1878	3859	6633	3997	918	648	797
AC-FT	76150	65230	54770	69310	79060	115500	229600	407800	237800	56440	39830	47400
MAX	1970	1240	995	1250	1660	2390	6840	9930	5400	2270	1010	1860
MIN	595	977	755	877	1030	1340	1270	4060	2550	380	409	384

CAL YR	2004	TOTAL	272531	MEAN	745	MAX	2730	MIN	78.0	AC-FT	540600
WTR YR	2005	TOTAL	745624	MEAN	2043	MAX	9930	MIN	380	AC-FT	1479000

MAX DISCH: 10500 CFS AT 16:45 ON May. 22, 2005 GH 9.37 FT. SHIFT -0.06 FT.
MAX GH: 9.37 FT. AT 16:45 ON May. 22, 2005

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

GUNNISON RIVER BELOW REDLANDS DIVERSION DAM NEAR GRAND JUNCTION CO
WY2005 HYDROGRAPH



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.--N/A.

GAGE.--Graphic water-stage recorder and satellite telemetry system (Sutron HDR 8210 DCP and shaft encoder) in exposed aggregate building. Well inside building has two intake pipes with flush risers outside. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite data and chart record is used for backup. AC power was installed in station in early June 2004. Equipment shelf rebuilt June 24, 2004. 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 the intake pipes were partially clogged: November 9 - 19, 2004; June 11 - 13, and June 25 - 27, 2005; and the following period when branches caused backwater affect on the control: May 1 - 3, 2005. Upstream transmountain diversions occur through the Continental-Hoosier Tunnel and Boreas Pass Ditch. Record is good except for periods of intake pipe clogging and control backwater, when record is fair. Station maintained by Scott Hummer and George Wear. Record developed by George Wear.

RATING TABLE.--BLUNINCO07 USED FROM 01-OCT-2004 TO 29-OCT-2004
BLUNINCO08 USED FROM 29-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

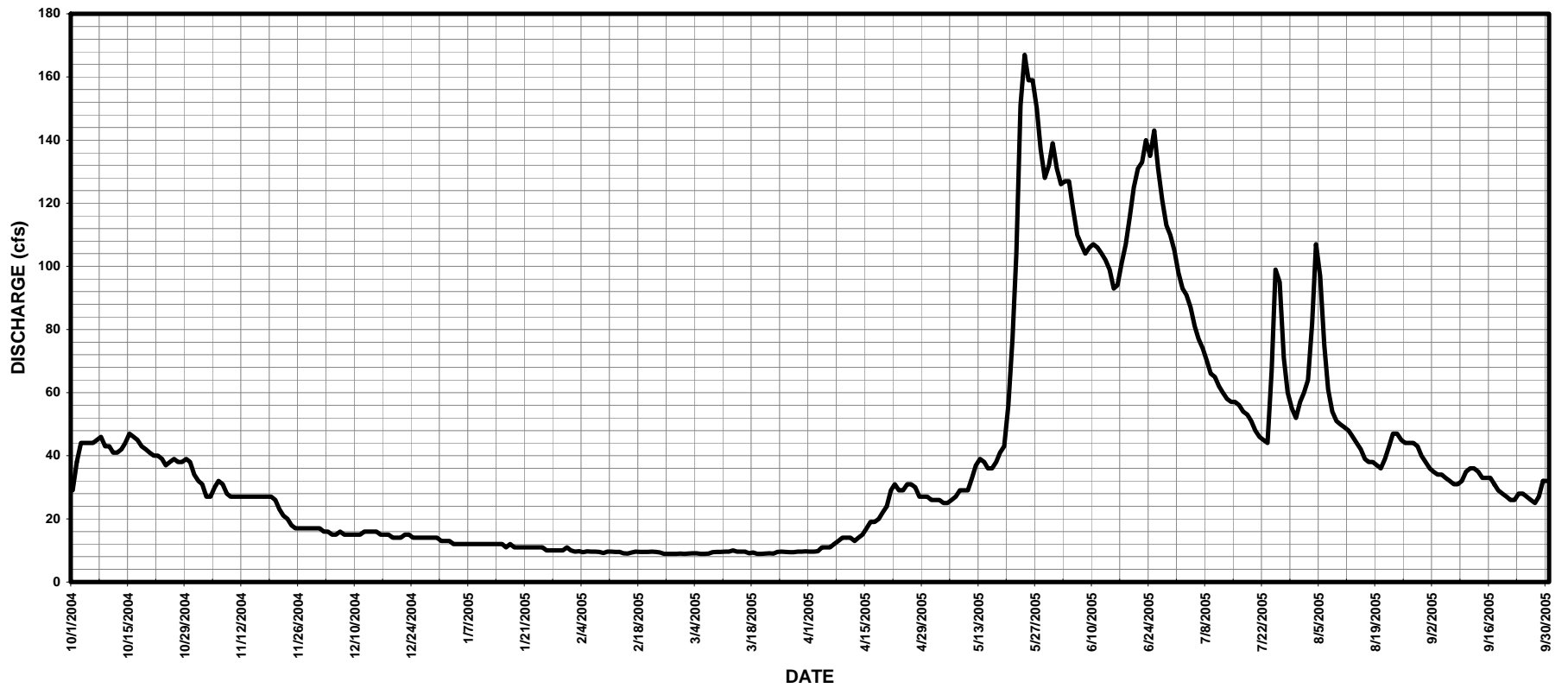
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	32	17	13	10	8.9	9.6	26	131	98	60	36
2	38	31	16	13	9.6	9	9.6	26	126	93	64	35
3	44	27	16	12	9.8	9.1	9.8	26	127	91	82	34
4	44	27	15	12	9.4	9.1	11	25	127	87	107	34
5	44	30	15	12	9.7	8.9	11	25	118	81	97	33
6	44	32	16	12	9.6	8.9	11	26	110	77	75	32
7	45	31	15	12	9.6	9	12	27	107	74	61	31
8	46	28	15	12	9.5	9.4	13	29	104	70	54	31
9	43	27	15	12	9.2	9.5	14	29	106	66	51	32
10	43	27	15	12	9.6	9.5	14	29	107	65	50	35
11	41	27	15	12	9.6	9.6	14	33	106	62	49	36
12	41	27	16	12	9.5	9.6	13	37	104	60	48	36
13	42	27	16	12	9.5	10	14	39	102	58	46	35
14	44	27	16	12	9.1	9.6	15	38	99	57	44	33
15	47	27	16	12	9	9.6	17	36	93	57	42	33
16	46	27	15	11	9.3	9.6	19	36	94	56	39	33
17	45	27	15	12	9.6	9.1	19	38	101	54	38	31
18	43	27	15	11	9.5	9.3	20	41	107	53	38	29
19	42	27	14	11	9.5	8.9	22	43	116	51	37	28
20	41	26	14	11	9.5	8.9	24	56	125	48	36	27
21	40	23	14	11	9.6	9	29	77	131	46	39	26
22	40	21	15	11	9.5	9.1	31	104	133	45	43	26
23	39	20	15	11	9.3	9	29	151	140	44	47	28
24	37	18	14	11	8.9	9.5	29	167	135	67	47	28
25	38	17	14	11	8.9	9.6	31	159	143	99	45	27
26	39	17	14	10	8.9	9.5	31	159	131	95	44	26
27	38	17	14	10	8.9	9.4	30	150	121	71	44	25
28	38	17	14	10	9	9.4	27	137	113	60	44	27
29	39	17	14	10	---	9.6	27	128	110	55	43	32
30	38	17	14	10	---	9.6	27	132	105	52	40	32
31	34	---	13	11	---	9.7	---	139	---	57	38	---
TOTAL	1272	745	462	354	263.1	288.9	583	2168	3472	2049	1592	931
MEAN	41	25	15	11	9.4	9.3	19.4	70	116	66	51	31
AC-FT	2520	1480	916	702	522	573	1160	4300	6890	4060	3160	1850
MAX	47	32	17	13	10	10	31	167	143	99	107	36
MIN	29	17	13	10	8.9	8.9	9.6	25	93	44	36	25

CAL YR	2004	TOTAL	9790	MEAN	26.7	MAX	92	MIN	8.9	AC-FT	19420
WTR YR	2005	TOTAL	14180	MEAN	38.8	MAX	167	MIN	8.9	AC-FT	28130

MAX DISCH: 173 CFS AT 05:30 ON May. 24, 2005 GH 1.50 FT. SHIFT 0 FT.
MAX GH: 1.50 FT. AT 05:30 ON May. 24, 2005

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

BLUE RIVER AT HIGHWAY 9 BRIDGE BELOW BRECKENRIDGE CO
WY2005 HYDROGRAPH



ROARING FORK RIVER BASIN

ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

LOCATION.--Lat 39°13'30", long 106°51'20", 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.--Graphic water-stage recorder and Sutron 8004 satellite telemetry system in exposed aggregate building over stilling well. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite data and chart record is used for backup. Control is a rock and cobble riffle (low flows) and boulders (high flows). Elevation of gage is 7560 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following days when the stage-discharge relationship was affected by ice: November 30, December 1-8, 22-28, 2004; and January 12-17, 2005. Upstream transmountain diversions occur through Twin Lakes Tunnel and through Hunter Tunnel. Record is good except for periods of ice-affected record, which is fair. Station maintained and record developed by George Wear.

RATING TABLE.--ROABMCCO03 USED FROM 01-OCT-2004 TO 15-OCT-2004
ROABMCCO04 USED FROM 15-OCT-2004 TO 30-SEP-2005

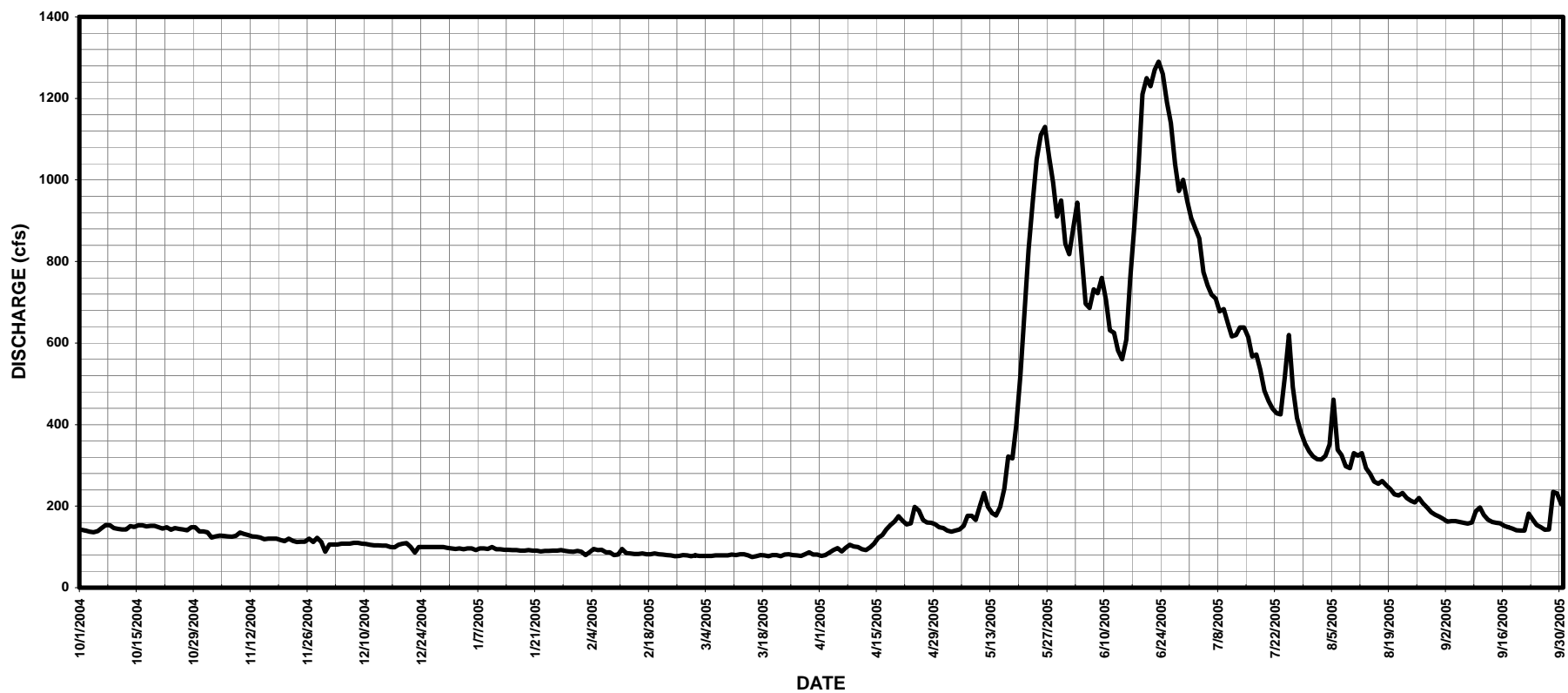
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	136	106	95	88	79	78	146	818	907	315	169
2	140	123	106	96	80	78	80	140	884	881	314	162
3	137	126	106	94	87	78	86	137	944	857	323	163
4	136	128	108	96	95	78	92	140	819	774	351	163
5	139	127	108	96	92	78	97	143	696	741	461	161
6	146	126	108	92	93	79	89	152	686	719	338	159
7	154	125	110	96	87	79	98	176	732	709	325	157
8	153	127	110	96	87	79	105	176	722	678	298	160
9	146	135	108	95	80	79	101	166	760	683	293	187
10	144	132	107	100	81	81	100	200	706	648	330	197
11	143	129	105	94	95	80	94	232	631	616	324	178
12	143	126	104	94	85	82	92	198	625	620	330	167
13	151	125	104	93	84	82	99	183	582	638	293	161
14	149	123	103	93	83	79	108	177	560	638	279	159
15	153	119	103	92	83	75	122	198	608	614	260	158
16	153	120	100	92	84	77	129	243	758	567	255	152
17	150	120	99	91	82	80	143	322	888	572	262	148
18	152	120	105	91	82	79	154	317	1020	535	251	145
19	152	117	108	92	84	77	162	400	1210	483	241	141
20	148	114	109	91	82	80	175	524	1250	458	229	140
21	145	120	100	91	81	80	164	682	1230	439	226	140
22	148	115	86	89	80	77	155	829	1270	428	232	182
23	142	112	100	90	79	81	158	947	1290	425	220	167
24	146	113	100	90	77	82	198	1050	1260	515	213	154
25	144	113	100	91	78	80	189	1110	1190	620	209	148
26	143	120	100	91	80	79	166	1130	1140	492	220	142
27	141	112	100	92	79	78	160	1060	1040	416	207	143
28	148	122	100	90	77	82	159	994	973	381	197	235
29	148	112	100	89	---	87	156	910	1000	353	185	231
30	138	88	98	88	---	81	148	950	948	334	179	205
31	138	---	96	90	---	81	---	844	---	322	174	---
TOTAL	4512	3625	3197	2870	2345	2467	3857	14876	27240	18063	8334	4974
MEAN	146	121	103	93	84	80	129	480	908	583	269	166
AC-FT	8950	7190	6340	5690	4650	4890	7650	29510	54030	35830	16530	9870
MAX	154	136	110	100	95	87	198	1130	1290	907	461	235
MIN	136	88	86	88	77	75	78	137	560	322	174	140
CAL YR 2004	TOTAL	78597	MEAN	215	MAX	1150	MIN	73	AC-FT	155900		
WTR YR 2005	TOTAL	96360	MEAN	264	MAX	1290	MIN	75	AC-FT	191100		

MAX DISCH: 1490 CFS AT 00:00 ON Jun. 23, 2005 GH 4.9 FT. SHIFT -0.02 FT.
MAX GH: 4.9 FT. AT 00:00 ON Jun. 23, 2005

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

ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN CO
WY2005 HYDROGRAPH



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO

LOCATION.--Lat 39°14'42", long 106°31'50", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, CO.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in a 3 ft square doghouse style metal shelter on 24" diameter corrugated metal well. Recorder connected to USBR shaft encoder inside well; encoder is hard-wired to Mormon control house for satellite transmission. Recorder and encoder are referenced to inside drop tape. Encoder data used as primary source, with recorder used as backup. Control is a 9.8-ft. wide sharp-crested concrete weir 20 ft. below gage. Elevation of gage is 9,945 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following period: Oct 30, 2004-Apr 8, 2005, when well was frozen. Chart data used Oct 1-20, 2004; Apr 9-20, 25-29, Jun 21-30, Jul 1-31, Aug 1-31, and Sep 1-30, 2005. Record is good except for period of no gage height record (frozen well), which is poor. Gaging station operated and discharge record computed by George Wear.

RATING TABLE.--FRYIVLCO08 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

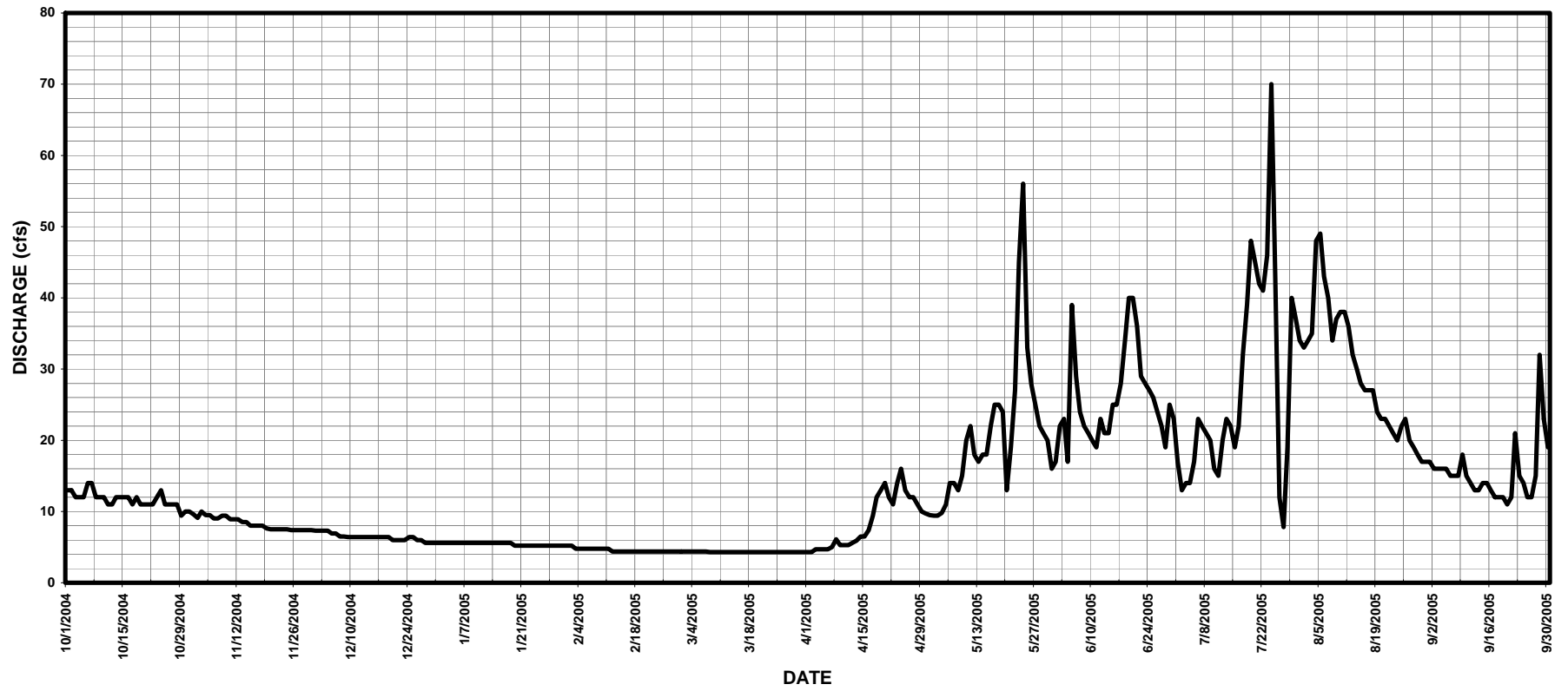
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	9.6	7.3	5.6	5.2	4.4	4.3	9.5	17	17	33	17
2	13	9.1	7.3	5.6	5.2	4.4	4.3	9.4	22	13	34	16
3	12	10	7.3	5.6	4.8	4.4	4.7	9.4	23	14	35	16
4	12	9.5	7.3	5.6	4.8	4.4	4.7	9.8	17	14	48	16
5	12	9.5	6.9	5.6	4.8	4.4	4.7	11	39	17	49	16
6	14	9.0	6.9	5.6	4.8	4.4	4.7	14	29	23	43	15
7	14	9.0	6.5	5.6	4.8	4.4	5.0	14	24	22	40	15
8	12	9.4	6.5	5.6	4.8	4.3	6.1	13	22	21	34	15
9	12	9.4	6.4	5.6	4.8	4.3	5.3	15	21	20	37	18
10	12	8.9	6.4	5.6	4.8	4.3	5.3	20	20	16	38	15
11	11	8.9	6.4	5.6	4.8	4.3	5.3	22	19	15	38	14
12	11	8.9	6.4	5.6	4.4	4.3	5.6	18	23	20	36	13
13	12	8.5	6.4	5.6	4.4	4.3	5.9	17	21	23	32	13
14	12	8.5	6.4	5.6	4.4	4.3	6.5	18	21	22	30	14
15	12	8.0	6.4	5.6	4.4	4.3	6.5	18	25	19	28	14
16	12	8.0	6.4	5.6	4.4	4.3	7.4	22	25	22	27	13
17	11	8.0	6.4	5.6	4.4	4.3	9.4	25	28	32	27	12
18	12	8.0	6.4	5.6	4.4	4.3	12	25	34	39	27	12
19	11	7.6	6.4	5.2	4.4	4.3	13	24	40	48	24	12
20	11	7.5	6.0	5.2	4.4	4.3	14	13	40	45	23	11
21	11	7.5	6.0	5.2	4.4	4.3	12	19	36	42	23	12
22	11	7.5	6.0	5.2	4.4	4.3	11	27	29	41	22	21
23	12	7.5	6.0	5.2	4.4	4.3	14	45	28	46	21	15
24	13	7.5	6.4	5.2	4.4	4.3	16	56	27	70	20	14
25	11	7.4	6.4	5.2	4.4	4.3	13	33	26	43	22	12
26	11	7.4	6.0	5.2	4.4	4.3	12	28	24	12	23	12
27	11	7.4	6.0	5.2	4.4	4.3	12	25	22	7.8	20	15
28	11	7.4	5.6	5.2	4.4	4.3	11	22	19	19	19	32
29	9.4	7.4	5.6	5.2	---	4.3	10	21	25	40	18	23
30	10	7.4	5.6	5.2	---	4.3	9.7	20	23	37	17	19
31	10	---	5.6	5.2	---	4.3	---	16	---	34	17	---
TOTAL	361.4	249.7	197.6	168.4	128.4	134.0	255.4	639.1	769	853.8	905	462
MEAN	11.7	8.32	6.37	5.43	4.59	4.32	8.51	20.6	25.6	27.5	29.2	15.4
AC-FT	717	495	392	334	255	266	507	1270	1530	1690	1800	916
MAX	14	10	7.3	5.6	5.2	4.4	16	56	40	70	49	32
MIN	9.4	7.4	5.6	5.2	4.4	4.3	4.3	9.4	17	7.8	17	11

CAL YR	2004	TOTAL	5711.3	MEAN	15.6	MAX	79	MIN	5.6	AC-FT	11330
WTR YR	2005	TOTAL	5123.8	MEAN	14	MAX	70	MIN	4.3	AC-FT	10160

MAX DISCH: 142 CFS AT 22:00 ON July 24, 2005 GH 2.63 FT. SHIFT 0 FT.
MAX GH: 2.63 FT. AT 22:00 ON July 24, 2005

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

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE CO
WY2005 HYDROGRAPH



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, CO.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder in a 3 ft square doghouse style metal shelter on 24" diameter corrugated metal well. Recorder referenced to inside drop tape. Shaft encoder chain-driven off of recorder wheel, has no readout on site, is not adjustable on site, and is hard-wired to DCP (w/GOES radio) located at Mormon Control House. Satellite monitoring equipment owned and maintained by USBR. Control is a 120° v-notch weir (low flows) 30 ft below the gage and 8 ft culvert (high flows) 35 feet below the gage. Elevation of gage is 9,980 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following days: April 16-26, 2005, when ice on the control affected the stage-discharge relationship; August 16-19, 2005, when an obstruction in the control affected the stage-discharge relationship; September 16-19, 2005, when the recorder float was sitting on sand in bottom of well; and, October 29-November 9, 2004 and November 21, 2004-April 15, 2005, when the well was frozen. Record is fair except for periods of no gage height data when the well was frozen, which are estimated and considered poor. Upstream transmountain diversions occur through Boustead Tunnel and Busk-Ivanhoe Tunnel. Station operated and record developed by George Wear.

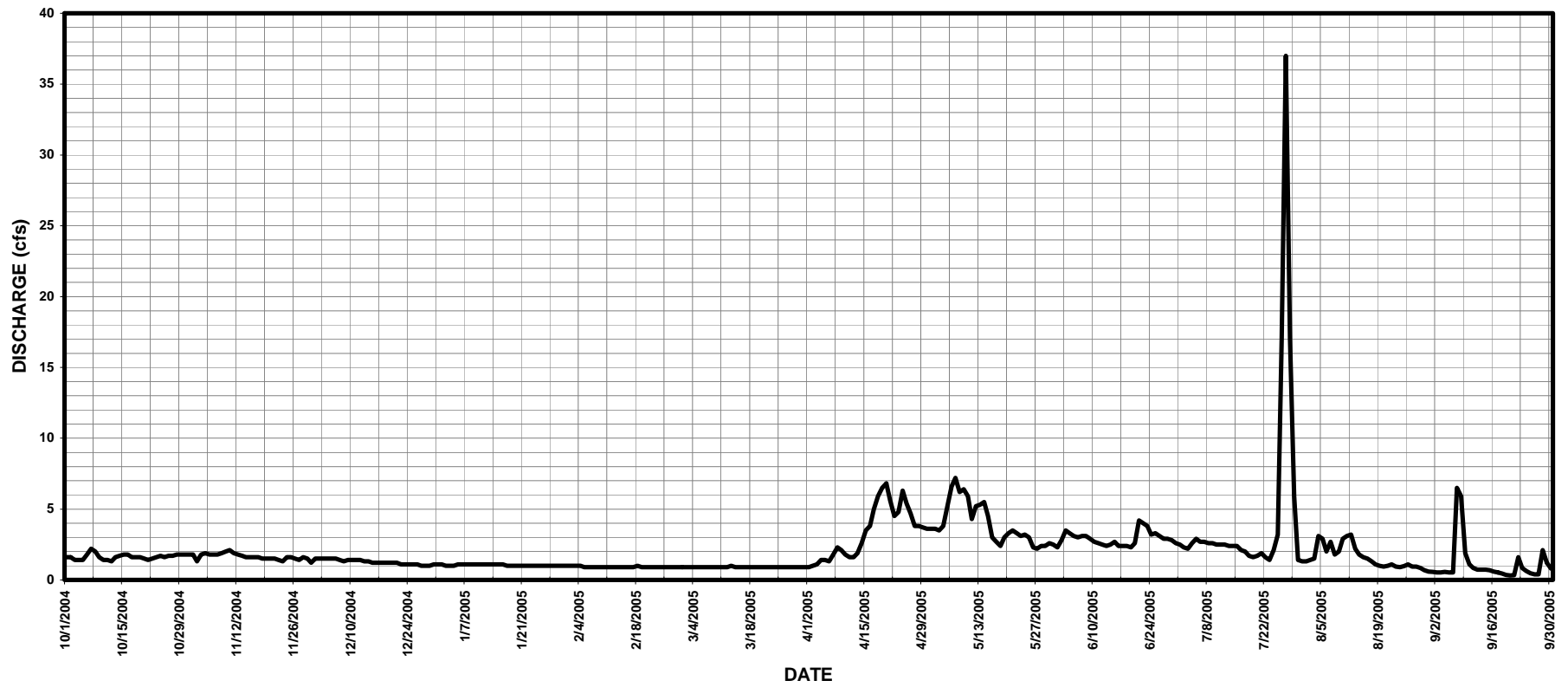
RATING TABLE.--IVCRNACO04 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.8	1.5	1.1	1.0	.90	.90	3.6	2.3	2.5	1.3	.56
2	1.6	1.3	1.5	1.0	1.0	.90	1.0	3.6	2.8	2.3	1.4	.53
3	1.4	1.8	1.5	1.0	1.0	.90	1.1	3.5	3.5	2.2	1.5	.53
4	1.4	1.9	1.5	1.0	1.0	.90	1.4	3.8	3.3	2.6	3.1	.56
5	1.4	1.8	1.5	1.1	.90	.90	1.4	5.2	3.1	2.9	2.9	.53
6	1.8	1.8	1.5	1.1	.90	.90	1.3	6.6	3.0	2.7	2.0	.53
7	2.2	1.8	1.4	1.1	.90	.90	1.8	7.2	3.1	2.7	2.7	6.5
8	2.0	1.9	1.3	1.1	.90	.90	2.3	6.2	3.1	2.6	1.8	5.9
9	1.6	2.0	1.4	1.1	.90	.90	2.1	6.4	2.9	2.6	2.0	1.9
10	1.4	2.1	1.4	1.1	.90	.90	1.8	5.9	2.7	2.5	2.9	1.1
11	1.4	1.9	1.4	1.1	.90	.90	1.6	4.3	2.6	2.5	3.1	.84
12	1.3	1.8	1.4	1.1	.90	.90	1.6	5.2	2.5	2.5	3.2	.73
13	1.6	1.7	1.3	1.1	.90	1.0	1.9	5.3	2.4	2.4	2.2	.73
14	1.7	1.6	1.3	1.1	.90	.90	2.6	5.5	2.5	2.4	1.8	.73
15	1.8	1.6	1.2	1.1	.90	.90	3.5	4.5	2.7	2.4	1.6	.69
16	1.8	1.6	1.2	1.1	.90	.90	3.8	3.0	2.4	2.1	1.5	.59
17	1.6	1.6	1.2	1.0	.90	.90	5.0	2.7	2.4	2.0	1.3	.53
18	1.6	1.5	1.2	1.0	1.0	.90	5.9	2.4	2.4	1.7	1.1	.44
19	1.6	1.5	1.2	1.0	.90	.90	6.5	3.0	2.3	1.6	1.0	.36
20	1.5	1.5	1.2	1.0	.90	.90	6.8	3.3	2.6	1.7	.93	.31
21	1.4	1.5	1.2	1.0	.90	.90	5.6	3.5	4.2	1.9	1.0	.34
22	1.5	1.4	1.1	1.0	.90	.90	4.5	3.3	4.0	1.6	1.1	1.6
23	1.6	1.3	1.1	1.0	.90	.90	4.8	3.1	3.8	1.4	.93	.84
24	1.7	1.6	1.1	1.0	.90	.90	6.3	3.2	3.2	2.1	.89	.62
25	1.6	1.6	1.1	1.0	.90	.90	5.4	3.0	3.3	3.2	.97	.47
26	1.7	1.5	1.1	1.0	.90	.90	4.7	2.3	3.1	1.7	1.1	.39
27	1.7	1.4	1.0	1.0	.90	.90	3.8	2.2	2.9	3.7	.93	.39
28	1.8	1.6	1.0	1.0	.90	.90	3.8	2.4	2.9	1.7	.93	2.1
29	1.8	1.5	1.0	1.0	---	.90	3.7	2.4	2.8	5.9	.84	1.2
30	1.8	1.2	1.1	1.0	---	.90	3.6	2.6	2.6	1.4	.69	.80
31	1.8	---	1.1	1.0	---	.90	---	2.5	---	1.3	.59	---
TOTAL	50.7	49.1	39.0	32.3	25.70	28.00	100.50	121.7	87.4	136.7	49.30	33.34
MEAN	1.64	1.64	1.26	1.04	.92	.90	3.35	3.93	2.91	4.41	1.59	1.11
AC-FT	101	97	77	64	51	56	199	241	173	271	98	66
MAX	2.2	2.1	1.5	1.1	1.0	1.0	6.8	7.2	4.2	3.7	3.2	6.5
MIN	1.3	1.2	1.0	1.0	.90	.90	.90	2.2	2.3	1.3	.59	.31
CAL YR	2004	TOTAL	770.59	MEAN	2.11	MAX	16	MIN	.32	AC-FT	1530	
WTR YR	2005	TOTAL	753.74	MEAN	2.07	MAX	37	MIN	.31	AC-FT	1500	

MAX DISCH: 41.8 CFS AT 17:00 ON Jul. 26, 2005 GH 2.02 FT. SHIFT 0.01 FT.
MAX GH: 2.02 FT. AT 17:00 ON Jul. 26, 2005

09077610 IVANHOE CREEK NEAR NAST CO
WY2005 HYDROGRAPH



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION NEAR NORRIE, CO

LOCATION.--Lat 39°14'20", long 106°35'24", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, CO.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4-in diameter steel pipe well. Recorder referenced to drop tape from RP on downstream side of recorder box. USBR has shaft encoder connected with belt to the recorder wheel which is hard-wired to a DCP in the USBR Chapman Control House for satellite transmission. SE data were available for record development Oct. 20 to Aug 2. SE data were used as primary record; chart data were used as backup. Control is a 6.2-ft. wide concrete weir. Elevation of gage is 9,990 ft from topographic map.

REMARKS.--The float, counter weight or USBR shaft encoder caused the gage height record to "step" for most of the year. Basically the small float and counter weight is not adequate to provide an accurate gage-height record. The chart was used Oct. 1-25, 2004 and Aug 3-Sept 30, 2005. USBR shaft encoder data were used May 9-Aug 2, 2005. No record Oct. 26, 2004-May 8, 2005, when well was froze or gage height record was unverifiable. Gage height record was reconstructed for parts of day, May 21-28, June 2, 3, 9, 12, 14, 19-21, July 5-9, 13, 24 and July 24, 2005, when stepping occurred or pen flat lined. Record is poor. Station operated by George Wear and record developed by George Wear and Ed Wilson.

RATING TABLE.--FRYSFU008 USED FROM 01-OCT-2004 TO 19-OCT-2004
FRYSFU009 USED FROM 20-OCT-2004 TO 30-SEP-2005

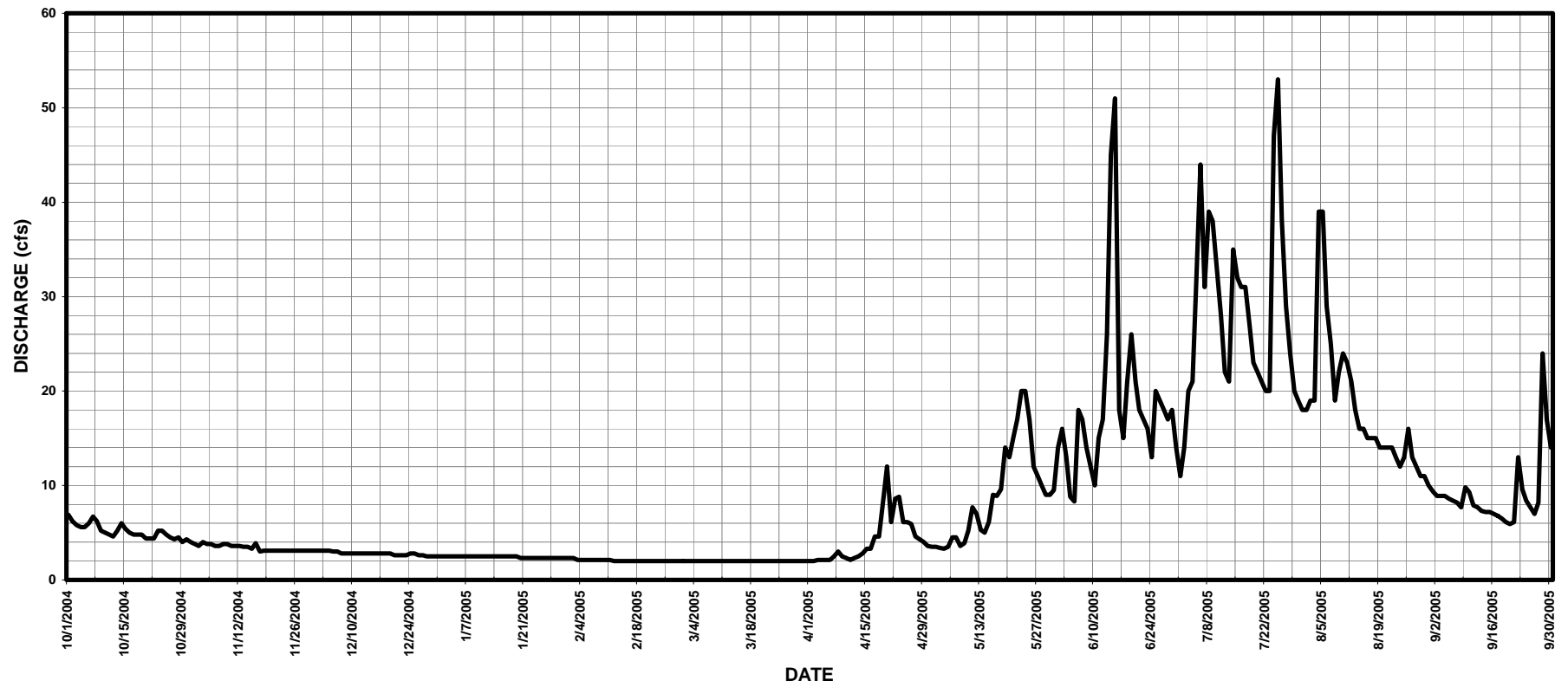
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	3.8	3.1	2.5	2.3	2	2	3.5	14	11	18	9.4
2	6.2	3.6	3.1	2.5	2.3	2	2	3.5	16	14	19	8.9
3	5.8	4	3.1	2.5	2.1	2	2.1	3.4	13	20	19	8.9
4	5.6	3.8	3.1	2.5	2.1	2	2.1	3.3	8.8	21	39	8.9
5	5.6	3.8	3	2.5	2.1	2	2.1	3.5	8.3	32	39	8.6
6	6	3.6	3	2.5	2.1	2	2.1	4.5	18	44	29	8.4
7	6.7	3.6	2.8	2.5	2.1	2	2.5	4.5	17	31	25	8.2
8	6.2	3.8	2.8	2.5	2.1	2	3	3.6	14	39	19	7.7
9	5.2	3.8	2.8	2.5	2.1	2	2.5	3.9	12	38	22	9.8
10	5	3.6	2.8	2.5	2.1	2	2.3	5.2	10	33	24	9.3
11	4.8	3.6	2.8	2.5	2.1	2	2.1	7.7	15	28	23	7.9
12	4.6	3.6	2.8	2.5	2	2	2.3	7	17	22	21	7.7
13	5.2	3.5	2.8	2.5	2	2	2.5	5.3	26	21	18	7.3
14	6	3.5	2.8	2.5	2	2	2.8	5	45	35	16	7.2
15	5.4	3.3	2.8	2.5	2	2	3.3	6.1	51	32	16	7.2
16	5	3.9	2.8	2.5	2	2	3.3	9	18	31	15	7
17	4.8	3	2.8	2.5	2	2	4.6	8.9	15	31	15	6.8
18	4.8	3.1	2.8	2.5	2	2	4.6	9.6	21	27	15	6.5
19	4.8	3.1	2.8	2.5	2	2	8.1	14	26	23	14	6.1
20	4.4	3.1	2.6	2.3	2	2	12	13	21	22	14	5.9
21	4.4	3.1	2.6	2.3	2	2	6.1	15	18	21	14	6.1
22	4.4	3.1	2.6	2.3	2	2	8.6	17	17	20	14	13
23	5.2	3.1	2.6	2.3	2	2	8.8	20	16	20	13	9.6
24	5.2	3.1	2.8	2.3	2	2	6.1	20	13	47	12	8.4
25	4.8	3.1	2.8	2.3	2	2	6.1	17	20	53	13	7.7
26	4.5	3.1	2.6	2.3	2	2	5.9	12	19	38	16	7
27	4.3	3.1	2.6	2.3	2	2	4.6	11	18	29	13	8.2
28	4.5	3.1	2.5	2.3	2	2	4.3	10	17	24	12	24
29	4	3.1	2.5	2.3	---	2	4	9	18	20	11	17
30	4.3	3.1	2.5	2.3	---	2	3.6	9	14	19	11	14
31	4	---	2.5	2.3	---	2	---	9.5	---	18	10	---
TOTAL	158.6	102.1	86	75.1	57.5	62	126.4	274	556.1	864	559	272.7
MEAN	5.1	3.4	2.8	2.4	2.1	2	4.2	8.8	18.5	28	18	9.1
AC-FT	315	203	171	149	114	123	251	543	1100	1710	1110	541
MAX	6.9	4	3.1	2.5	2.3	2	12	20	51	53	39	24
MIN	4	3	2.5	2.3	2	2	2	3.3	8.3	11	10	5.9
CAL YR	2004	TOTAL	2985.4	MEAN	8.16	MAX	54	MIN	2.5	AC-FT	5920	
WTR YR	2005	TOTAL	3193.5	MEAN	8.75	MAX	53	MIN	2.0	AC-FT	6330	

MAX DISCH: 141 CFS AT 20:30 ON Jul. 24, 2005 GH 4.56 FT. SHIFT 0 FT.
MAX GH: 4.56 FT. AT 20:30 ON Jul. 24, 2005

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

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION NEAR NORRIE CO
WY2005 HYDROGRAPH



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO

LOCATION.--Lat 39°15'51", long 106°37'54", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, CO.

DRAINAGE AREA.--5.99 mi².

GAGE.--Graphic water-stage recorder in a 3 ft square metal doghouse style shelter on a 5 ft deep, 24-in diameter corrugated metal well. Record referenced to inside drop tape. USBR has shaft encoder connected with belt to the recorder wheel, which is hard-wired to Chapman Control House; these data were available for record development. Control is a 120° v-notch sharp-crested weir (low flows) and channel (high flows). Elevation of gage is 9,982.76 ft.

REMARKS.--Record is complete and reliable. Chart gage heights were used Oct 1-27, Dec. 11-23, 25-28, 2004; and Apr 22-30, May 1-10, Aug 3-Sept 30, 2005; and the shaft encoder data were used for all other periods. Record is good. Station operated by George Wear and record developed by George Wear and Ed Wilson.

RATING TABLE.--CHAGULCO06 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

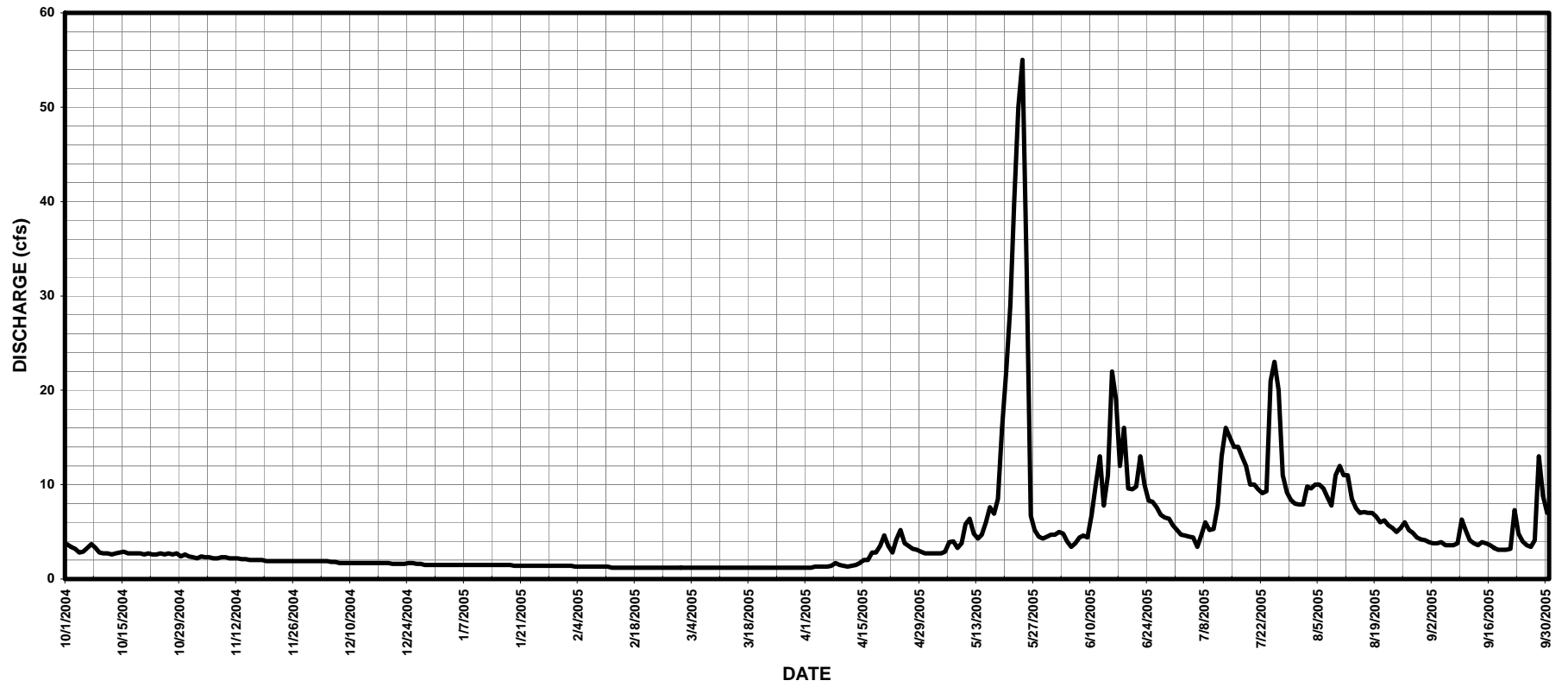
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	2.3	1.9	1.5	1.4	1.2	1.2	2.7	4.7	5.2	7.9	3.9
2	3.4	2.2	1.9	1.5	1.4	1.2	1.2	2.7	5	4.7	9.8	3.8
3	3.2	2.4	1.9	1.5	1.3	1.2	1.3	2.7	4.8	4.6	9.6	3.8
4	2.8	2.3	1.9	1.5	1.3	1.2	1.3	2.7	4	4.5	10	3.9
5	2.9	2.3	1.8	1.5	1.3	1.2	1.3	2.9	3.4	4.4	10	3.6
6	3.3	2.2	1.8	1.5	1.3	1.2	1.3	3.9	3.8	3.4	9.6	3.6
7	3.7	2.2	1.7	1.5	1.3	1.2	1.4	4	4.4	4.7	8.7	3.6
8	3.3	2.3	1.7	1.5	1.3	1.2	1.7	3.3	4.6	6	7.8	3.8
9	2.8	2.3	1.7	1.5	1.3	1.2	1.5	3.8	4.4	5.2	11	6.3
10	2.7	2.2	1.7	1.5	1.3	1.2	1.4	5.8	6.8	5.3	12	5.2
11	2.7	2.2	1.7	1.5	1.3	1.2	1.3	6.4	10	7.8	11	4.1
12	2.6	2.2	1.7	1.5	1.2	1.2	1.4	4.8	13	13	11	3.8
13	2.7	2.1	1.7	1.5	1.2	1.2	1.5	4.3	7.8	16	8.5	3.6
14	2.8	2.1	1.7	1.5	1.2	1.2	1.7	4.7	11	15	7.5	3.9
15	2.9	2	1.7	1.5	1.2	1.2	2	6	22	14	7	3.8
16	2.7	2	1.7	1.5	1.2	1.2	2	7.6	19	14	7.1	3.6
17	2.7	2	1.7	1.5	1.2	1.2	2.8	6.9	12	13	7	3.3
18	2.7	2	1.7	1.5	1.2	1.2	2.8	8.5	16	12	7	3.1
19	2.7	1.9	1.7	1.4	1.2	1.2	3.5	16	9.6	10	6.6	3.1
20	2.6	1.9	1.6	1.4	1.2	1.2	4.6	22	9.5	10	6	3.1
21	2.7	1.9	1.6	1.4	1.2	1.2	3.5	29	9.8	9.5	6.2	3.2
22	2.6	1.9	1.6	1.4	1.2	1.2	2.8	40	13	9.1	5.7	7.3
23	2.6	1.9	1.6	1.4	1.2	1.2	4.2	50	10	9.3	5.4	4.8
24	2.7	1.9	1.7	1.4	1.2	1.2	5.2	55	8.3	21	5	4
25	2.6	1.9	1.7	1.4	1.2	1.2	3.8	33	8.2	23	5.4	3.6
26	2.7	1.9	1.6	1.4	1.2	1.2	3.5	6.7	7.6	20	6	3.4
27	2.6	1.9	1.6	1.4	1.2	1.2	3.2	5.2	6.8	11	5.2	4.1
28	2.7	1.9	1.5	1.4	1.2	1.2	3.1	4.5	6.5	9.2	4.9	13
29	2.4	1.9	1.5	1.4	---	1.2	2.9	4.3	6.4	8.4	4.4	8.8
30	2.6	1.9	1.5	1.4	---	1.2	2.7	4.5	5.7	8	4.2	7
31	2.4	---	1.5	1.4	---	1.2	---	4.7	---	7.9	4.1	---
TOTAL	87.5	62.1	52.3	45.2	34.9	37.2	72.1	358.6	258.1	309.2	231.6	136.1
MEAN	2.8	2.1	1.7	1.5	1.3	1.2	2.4	11.6	8.6	10	7.5	4.5
AC-FT	174	123	104	90	69	74	143	711	512	613	459	270
MAX	3.7	2.4	1.9	1.5	1.4	1.2	5.2	55	22	23	12	13
MIN	2.4	1.9	1.5	1.4	1.2	1.2	1.2	2.7	3.4	3.4	4.1	3.1

CAL YR	2004	TOTAL	1472.7	MEAN	4.03	MAX	40	MIN	1.4	AC-FT	2930
WTR YR	2005	TOTAL	1684.9	MEAN	4.62	MAX	55	MIN	1.2	AC-FT	3340

MAX DISCH: 112 CFS AT 21:45 ON May. 24, 2005 GH 3.82 FT. SHIFT 0 FT.
MAX GH: 3.82 FT. AT 21:45 ON May. 24, 2005

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

09077945 CHAPMAN GULCH NEAR NAST CO
WY2005 HYDROGRAPH



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank, 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, CO.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in a 42" diameter corrugated metal well. A Synergetics DCP w/satellite monitoring and a shaft encoder is operated by the US National Weather Service. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite record with chart used as backup. Control is natural channel at low flows and boulders at high flows. Elevation of gage is 8,330 ft from topographic map.

REMARKS.--Satellite record is complete and reliable except November 2, 2004 - April 26, 2005 when the well was frozen. Gage heights were used from the graphic recorder April 27-29, 2005. Record is good, except for the period of no gage height record, when the well was frozen, which is estimated and considered poor. Natural flow of stream is affected by transmountain diversions through Boustead Tunnel. Station operated and record developed by George Wear.

RATING TABLE.--FRYNFNC010 USED FROM 01-OCT-2004 TO 30-SEP-2005

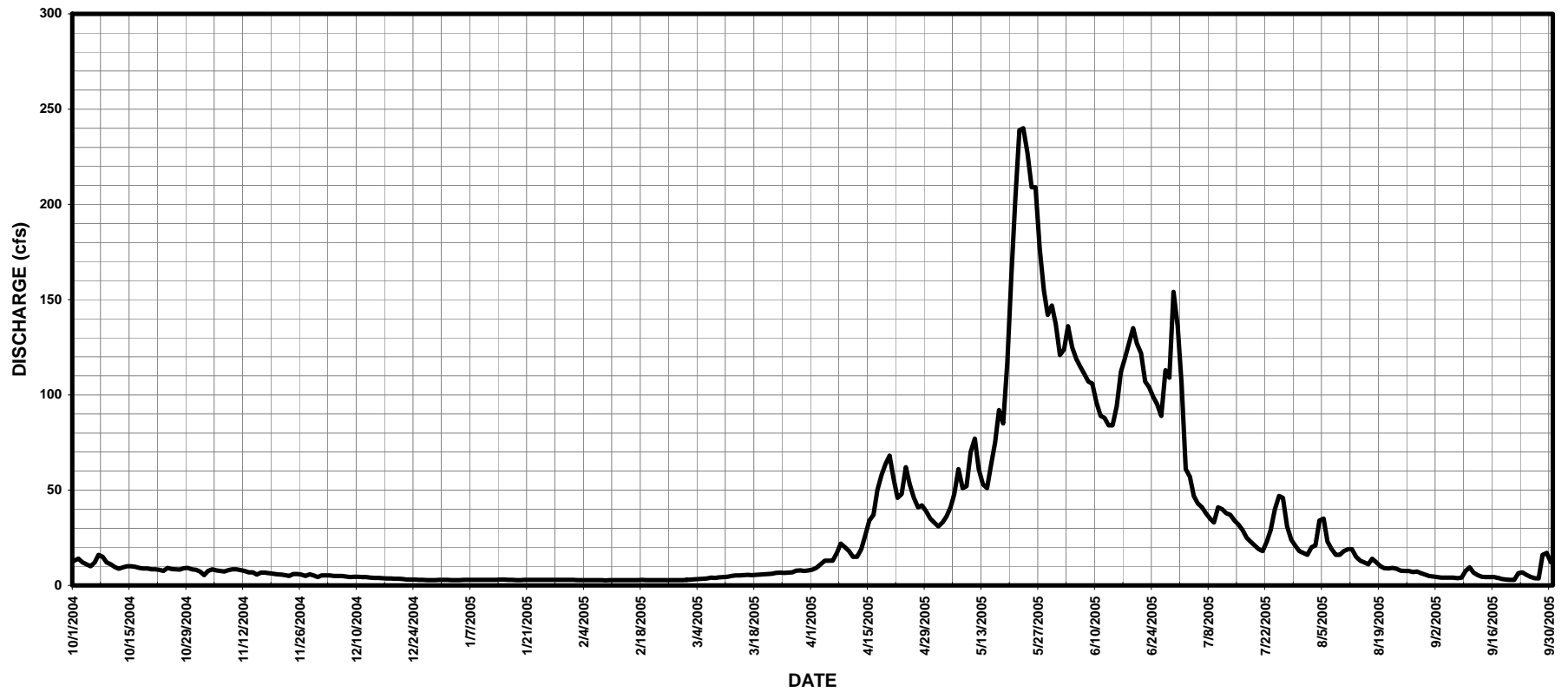
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	7.2	5.2	2.9	2.9	2.9	8.3	33	121	106	16	4.7
2	14	5.4	5.3	2.8	2.8	3.1	9.3	31	124	61	20	4.4
3	12	7.5	5.3	2.8	2.8	3.2	11	33	136	57	21	4.1
4	11	8.5	5.0	2.8	2.8	3.3	13	36	125	47	34	4.1
5	10	7.9	5.0	2.9	2.8	3.5	13	41	119	43	35	4.1
6	12	7.6	4.9	2.9	2.8	3.6	13	48	115	41	23	4.0
7	16	7.3	4.6	2.9	2.8	4.0	17	61	111	38	19	3.8
8	15	8.0	4.4	2.9	2.8	3.9	22	51	107	35	16	4.0
9	12	8.4	4.5	2.9	2.6	4.2	20	52	106	33	16	7.6
10	11	8.4	4.5	2.9	2.8	4.4	18	70	96	41	18	9.4
11	9.6	8.0	4.4	2.9	2.8	4.5	15	77	89	40	19	6.7
12	8.7	7.5	4.4	2.9	2.8	4.9	15	61	88	38	19	5.4
13	9.4	6.9	4.1	2.9	2.8	5.3	19	53	84	37	15	4.5
14	10	6.8	3.9	3.1	2.8	5.2	26	51	84	34	13	4.4
15	10	5.6	3.9	3.1	2.8	5.4	34	63	94	32	12	4.4
16	9.8	6.7	3.8	2.9	2.8	5.5	37	75	112	29	11	4.3
17	9.1	6.7	3.6	2.9	2.8	5.4	50	92	119	25	14	3.9
18	8.9	6.4	3.6	2.8	2.9	5.5	58	85	127	23	12	3.4
19	8.9	6.1	3.5	2.8	2.8	5.7	64	117	135	21	10	3.1
20	8.5	5.8	3.5	2.9	2.8	5.8	68	161	127	19	9.0	2.9
21	8.4	5.7	3.4	2.9	2.8	6.0	56	202	122	18	8.8	2.9
22	8.2	5.4	3.0	2.9	2.8	6.1	46	239	107	23	9.2	6.4
23	7.5	4.9	3.0	2.9	2.8	6.6	48	240	104	29	8.7	6.9
24	9.1	6.0	3.0	2.9	2.8	6.7	62	227	99	40	7.7	5.5
25	8.6	5.9	2.9	2.9	2.8	6.6	53	209	95	47	7.6	4.5
26	8.4	5.7	2.9	2.9	2.8	6.7	46	209	89	46	7.6	3.8
27	8.3	5.0	2.8	2.9	2.8	6.8	41	177	113	31	7.0	3.6
28	9.0	5.8	2.8	2.9	2.8	7.7	42	155	109	24	7.3	16
29	9.1	5.3	2.8	2.9	---	7.8	39	142	154	21	6.4	17
30	8.5	4.4	2.9	2.9	---	7.6	35	147	136	18	5.6	12
31	8.1	---	2.9	2.9	---	7.8	---	137	---	17	5.0	---
TOTAL	312.1	196.8	119.8	89.8	78.4	165.7	998.6	3375	3347	1114	432.9	171.8
MEAN	10.1	6.56	3.86	2.90	2.80	5.35	33.3	109	112	35.9	14.0	5.73
AC-FT	619	390	238	178	156	329	1980	6690	6640	2210	859	341
MAX	16	8.5	5.3	3.1	2.9	7.8	68	240	154	106	35	17
MIN	7.5	4.4	2.8	2.8	2.6	2.9	8.3	31	84	17	5.0	2.9
CAL YR 2004	TOTAL	9146	MEAN	25.0	MAX	173	MIN	2.2	AC-FT	18140		
WTR YR 2005	TOTAL	10402	MEAN	28.5	MAX	240	MIN	2.6	AC-FT	20630		

MAX DISCH: 326 CFS AT 22:30 ON May. 22, 2005 GH 4.44 FT. SHIFT 0 FT.
MAX GH: 4.44 FT. AT 22:30 ON May. 22, 2005

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

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE CO
WY2005 HYDROGRAPH



ROARING FORK RIVER BASIN

09078600 FRYINGPAN RIVER NEAR THOMASVILLE, CO

LOCATION.--Lat 39°20'41", long 106°40'23", in NW¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on right bank 400 ft upstream from private bridge, 400 ft downstream from mouth of North Fork Fryingpan River, 1.6 mi southeast of Thomasville, CO, and 1.7 mi northwest of Norrie, CO.

DRAINAGE AREA.--134 mi².

GAGE.--Graphic water-stage recorder in standard 42" diameter corrugated metal well with Sutron SatLink high data rate DCP satellite equipment. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite data and chart record is used for backup. Control is a 100-ft. wide concrete dam 10 ft. below gage. Elevation of gage is 8,210 ft from topographic map.

REMARKS.--Satellite data are complete and reliable for the year except for the period: May 10-16, 2005. Gage heights for this period were obtained from the backup chart recorder with no loss in accuracy. Record is good, with the exception of May 20-31 (dates with flows above 300 cfs), which are fair. Transmountain diversions above station occurred through Boustead Tunnel and Busk-Ivanhoe Tunnel. Station operated and record developed by George Wear.

RATING TABLE.--FRYTHOCO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

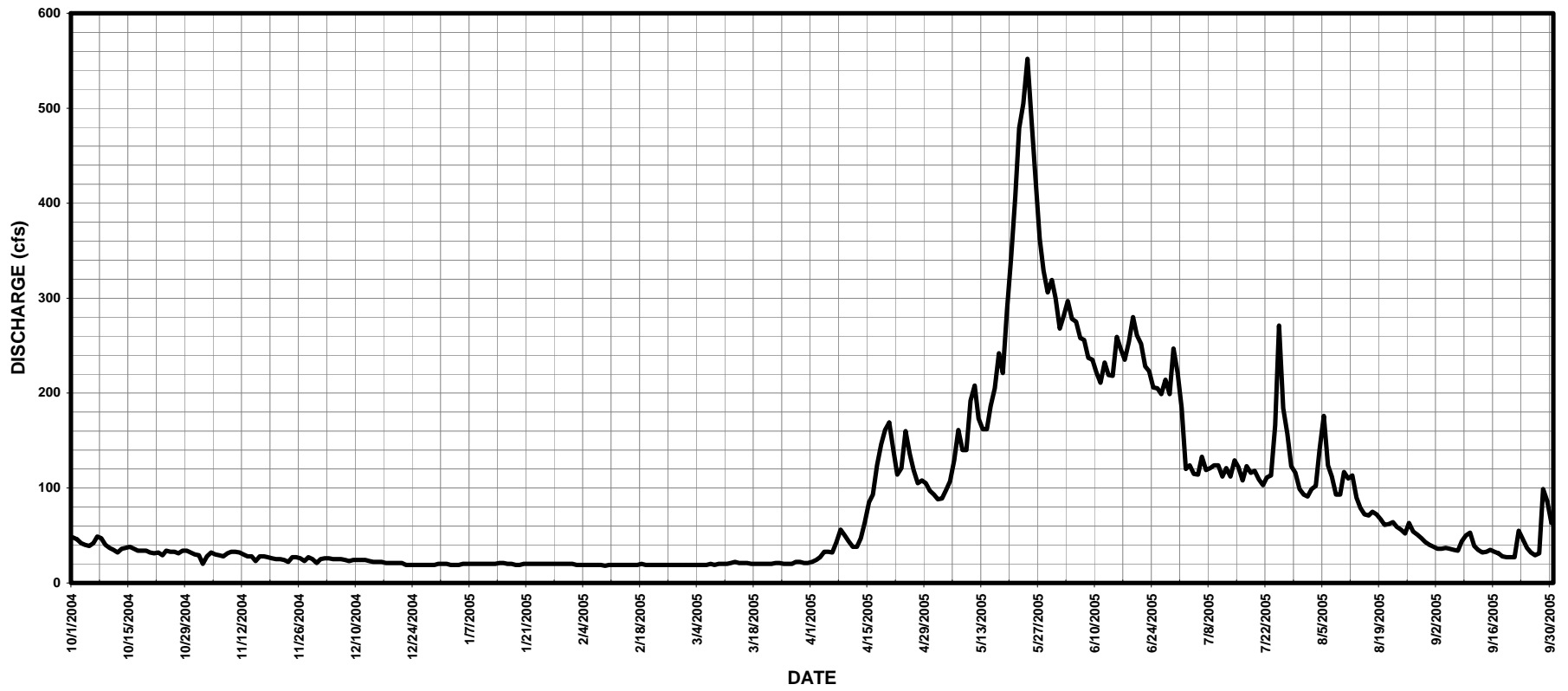
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	29	25	20	20	19	22	93	268	184	91	38
2	46	20	26	19	19	19	24	88	282	120	99	36
3	42	28	26	19	19	19	27	89	297	124	102	36
4	40	32	25	19	19	19	33	98	278	115	141	37
5	39	30	25	20	19	19	33	107	275	114	176	36
6	42	29	25	20	19	19	32	129	258	133	124	35
7	49	28	24	20	19	20	43	161	256	119	112	34
8	47	31	23	20	19	19	56	140	237	121	93	44
9	40	33	24	20	18	20	50	140	235	124	93	50
10	37	33	24	20	19	20	44	192	222	124	117	53
11	35	32	24	20	19	20	38	208	211	112	110	39
12	32	30	24	20	19	21	38	173	232	121	113	35
13	36	28	23	20	19	22	47	162	219	112	90	32
14	37	28	22	21	19	21	64	162	218	129	79	33
15	38	23	22	21	19	21	85	186	259	122	72	35
16	36	28	22	20	19	21	93	205	247	108	71	33
17	34	28	21	20	19	20	124	242	235	123	75	31
18	34	27	21	19	20	20	146	221	254	116	72	28
19	34	26	21	19	19	20	161	287	280	118	67	27
20	32	25	21	20	19	20	169	343	261	109	61	27
21	31	25	21	20	19	20	140	407	252	103	62	27
22	32	24	19	20	19	20	114	479	228	111	64	55
23	29	22	19	20	19	21	121	505	223	113	59	46
24	34	27	19	20	19	21	160	552	206	166	56	37
25	33	27	19	20	19	20	136	490	205	271	52	32
26	33	26	19	20	19	20	119	426	199	184	63	29
27	31	23	19	20	19	20	105	363	214	157	54	31
28	34	27	19	20	19	22	108	329	199	123	51	99
29	34	25	19	20	---	22	105	306	247	116	47	86
30	32	21	20	20	---	21	97	319	221	99	43	63
31	30	---	20	20	---	21	---	300	---	93	40	---
TOTAL	1131	815	681	617	533	627	2534	7902	7218	3984	2549	1224
MEAN	37	27	22	20	19	20	85	255	241	129	82	41
AC-FT	2240	1620	1350	1220	1060	1240	5030	15670	14320	7900	5060	2430
MAX	49	33	26	21	20	22	169	552	297	271	176	99
MIN	29	20	19	19	18	19	22	88	199	93	40	27

CAL YR	2004	TOTAL	26587	MEAN	72.6	MAX	322	MIN	16	AC-FT	52740
WTR YR	2005	TOTAL	29815	MEAN	81.7	MAX	552	MIN	18	AC-FT	59140

MAX DISCH: 735 CFS AT 00:45 ON May. 24, 2005 GH 3.59 FT. SHIFT 0.07 FT.
MAX GH: 3.59 FT. AT 00:45 ON May. 24, 2005

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

0907860 FRYINGPAN RIVER NEAR THOMASVILLE CO
WY2005 HYDROGRAPH



ROARING FORK RIVER BASIN

09080100 FRYINGPAN RIVER AT MEREDITH, CO

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, CO, 0.1 mi downstream from Waterbury Creek, 0.7 mi downstream from Jakeman Gulch.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in standard 42" diameter corrugated metal well. Station is outfitted with DCP satellite equipment. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite data and chart record is used for backup. Control is natural channel (rock and cobble) at low flows and channel with channel banks at high flows. Elevation of gage is 7,780 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: November 24-26, 2004, when the control was ice affected and November 27, 2004 through April 27, 2005 when gage well was frozen. Record is good except for periods of missing record, which is considered poor. Transmountain diversions above station occurred through Boustead Tunnel and Busk - Ivanhoe Tunnel. Station maintained by George Wear and record developed by Steve Pope.

RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-2004 TO 30-SEP-2005

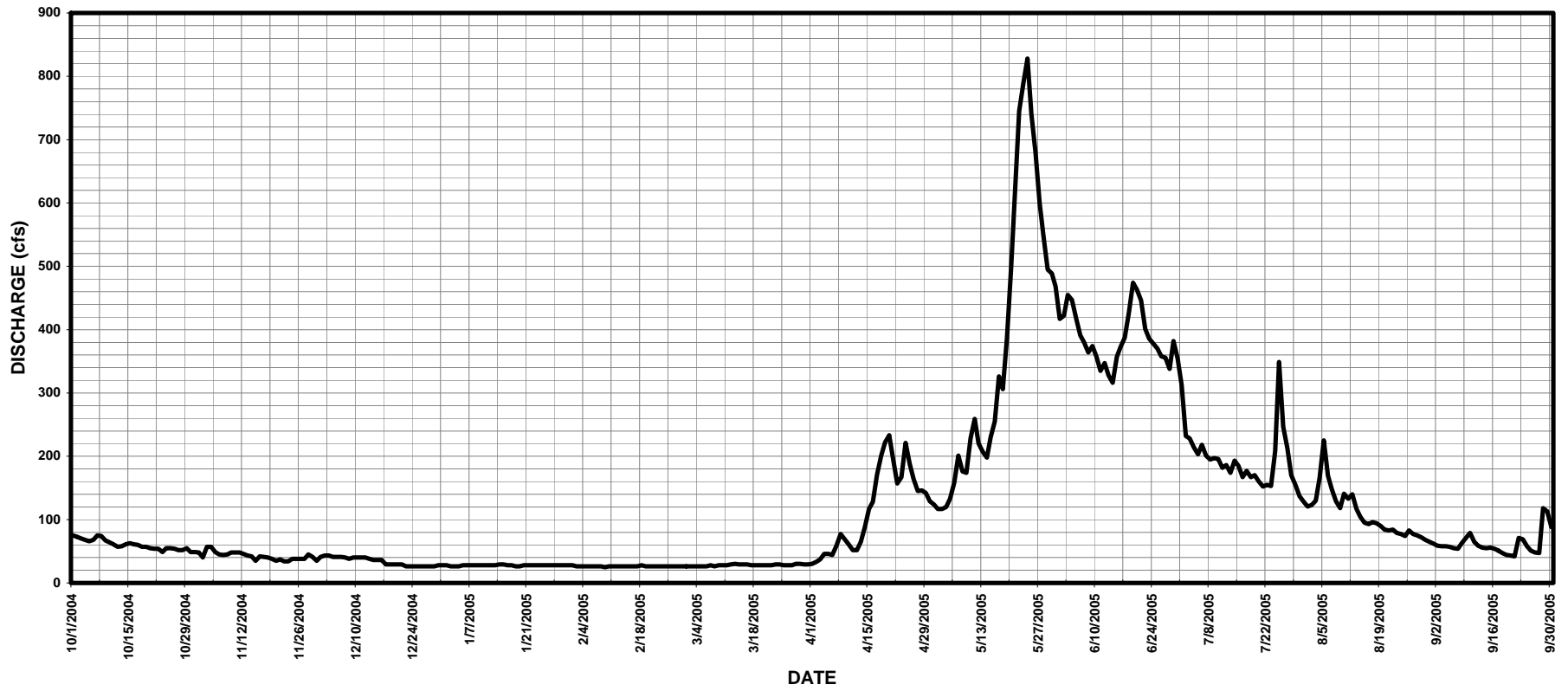
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	48	41	28	28	26	30	124	417	312	121	62
2	73	40	43	26	26	26	33	117	422	232	123	59
3	70	57	43	26	26	26	37	117	455	228	130	58
4	68	57	41	26	26	26	46	120	447	214	166	58
5	66	49	41	28	26	26	46	133	418	203	225	57
6	68	45	41	28	26	26	44	158	391	218	169	55
7	75	44	40	28	26	28	59	201	380	201	148	54
8	74	45	38	28	26	26	77	176	364	195	129	63
9	67	48	40	28	25	28	69	174	374	197	118	71
10	64	48	40	28	26	28	61	228	358	196	141	79
11	61	48	40	28	26	28	52	259	335	182	133	65
12	57	46	40	28	26	29	52	220	347	186	140	59
13	58	43	38	28	26	30	65	207	328	174	117	56
14	61	42	36	29	26	29	88	198	316	193	104	55
15	63	35	36	29	26	29	117	230	357	185	95	56
16	61	42	36	28	26	29	128	255	373	167	93	54
17	60	41	29	28	26	28	171	326	387	177	96	51
18	57	40	29	26	28	28	201	306	427	167	94	47
19	57	38	29	26	26	28	222	387	474	170	90	44
20	55	35	29	28	26	28	233	498	463	160	84	43
21	54	37	29	28	26	28	193	626	446	152	83	42
22	54	34	26	28	26	28	157	745	401	155	84	71
23	49	34	26	28	26	29	167	789	386	153	79	69
24	55	38	26	28	26	29	221	828	378	208	77	58
25	55	38	26	28	26	28	188	741	370	349	74	51
26	54	38	26	28	26	28	164	680	358	247	83	48
27	52	38	26	28	26	28	145	599	356	213	77	47
28	52	45	26	28	26	30	146	547	338	170	75	118
29	55	41	26	28	---	30	142	495	382	155	72	113
30	49	35	28	28	---	29	129	489	354	137	68	88
31	49	---	28	28	---	29	---	468	---	128	65	---
TOTAL	1868	1269	1043	860	731	868	3483	11441	11602	6024	3353	1851
MEAN	60	42	34	28	26	28	116	369	387	194	108	62
AC-FT	3710	2520	2070	1710	1450	1720	6910	22690	23010	11950	6650	3670
MAX	75	57	43	29	28	30	233	828	474	349	225	118
MIN	49	34	26	26	25	26	30	117	316	128	65	42
CAL YR 2004	TOTAL	37456	MEAN	102	MAX	398	MIN	22	AC-FT	74290		
WTR YR 2005	TOTAL	44393	MEAN	122	MAX	828	MIN	25	AC-FT	88050		

MAX DISCH: 1000 CFS AT 02:00 ON May. 24, 2005 GH 4.17 FT. SHIFT 0 FT.
MAX GH: 4.17 FT. AT 02:00 ON May. 24, 2005

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

09080100 FRYINGPAN RIVER AT MEREDITH CO
WY2005 HYDROGRAPH



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, 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 Fryingpan River and 4.6 mi west of Meredith, CO.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder in a 3 ft. square metal doghouse style shelter on a 5 ft. deep, 24 inch diameter corrugated metal well. Shaft encoder was upgraded this year to an adjustable gage height model; it is hard-wired to a satellite-monitored DCP located in control house at top of Ruedi Reservoir Dam. USBR operates and maintains the DCP and shaft encoder. Recorder and encoder are referenced to inside drop tape. Primary record is satellite data and chart record is used for backup. Control is v-notch, sharp crested weir. Elevation of gage is 7,494.50 ft.

REMARKS.--Record is complete and reliable, except for periods when there was beaver activity in the control: Oct. 6-25, 28-31, and Nov. 1-5, 2004; and when the well was frozen: Dec. 29-31, 2004; Jan. 1-31, and Feb. 1-27, 2005. Record is fair because of beaver activity in the control and well icing. There are no diversions above the station. Station maintained and record developed by George Wear.

RATING TABLE.--RFCMERC001 USED FROM 1-OCT-2004 TO 11-NOV-2004
RFCMERC002 USED FROM 11-NOV-2004 TO 30-SEP-2005

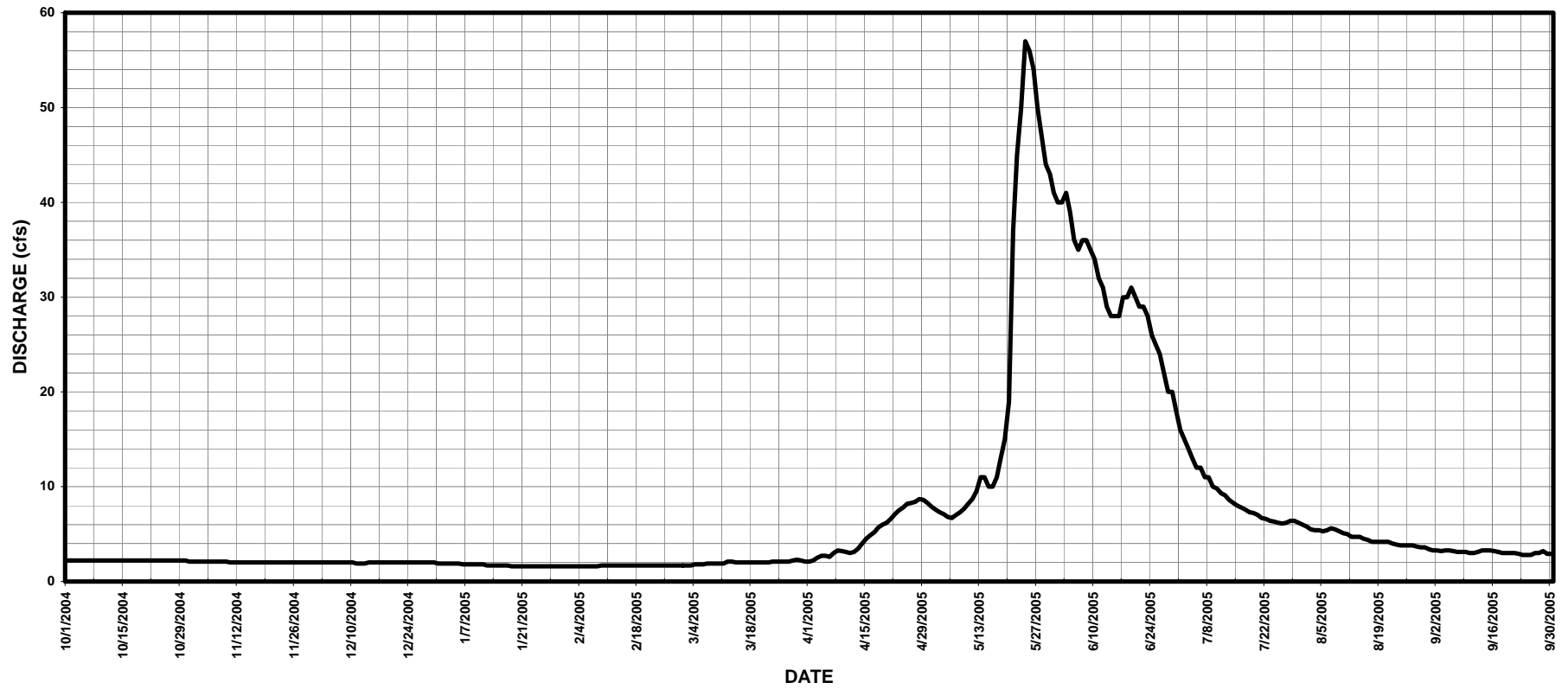
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	2.1	2	1.9	1.6	1.7	2.1	7.9	40	16	5.8	3.3
2	2.2	2.1	2	1.9	1.6	1.7	2.2	7.6	40	15	5.5	3.3
3	2.2	2.1	2	1.9	1.6	1.7	2.5	7.3	41	14	5.4	3.2
4	2.2	2.1	2	1.9	1.6	1.8	2.7	7.1	39	13	5.4	3.3
5	2.2	2.1	2	1.9	1.6	1.8	2.7	6.8	36	12	5.3	3.3
6	2.2	2.1	2	1.8	1.6	1.8	2.6	6.7	35	12	5.4	3.2
7	2.2	2.1	2	1.8	1.6	1.9	3	7	36	11	5.6	3.1
8	2.2	2.1	2	1.8	1.6	1.9	3.3	7.3	36	11	5.5	3.1
9	2.2	2.1	2	1.8	1.7	1.9	3.2	7.7	35	10	5.3	3.1
10	2.2	2	2	1.8	1.7	1.9	3.1	8.2	34	9.8	5.1	3
11	2.2	2	1.9	1.8	1.7	1.9	3	8.7	32	9.3	5	3
12	2.2	2	1.9	1.7	1.7	2.1	3.1	9.5	31	9.1	4.7	3.1
13	2.2	2	1.9	1.7	1.7	2.1	3.5	11	29	8.6	4.7	3.3
14	2.2	2	2	1.7	1.7	2	4	11	28	8.3	4.7	3.3
15	2.2	2	2	1.7	1.7	2	4.5	10	28	8	4.5	3.3
16	2.2	2	2	1.7	1.7	2	4.9	10	28	7.8	4.4	3.2
17	2.2	2	2	1.7	1.7	2	5.2	11	30	7.6	4.2	3.1
18	2.2	2	2	1.6	1.7	2	5.7	13	30	7.3	4.2	3
19	2.2	2	2	1.6	1.7	2	6	15	31	7.2	4.2	3
20	2.2	2	2	1.6	1.7	2	6.2	19	30	7	4.2	3
21	2.2	2	2	1.6	1.7	2	6.6	37	29	6.7	4.2	3
22	2.2	2	2	1.6	1.7	2	7.1	45	29	6.6	4	2.9
23	2.2	2	2	1.6	1.7	2.1	7.5	50	28	6.4	3.9	2.8
24	2.2	2	2	1.6	1.7	2.1	7.8	57	26	6.3	3.8	2.8
25	2.2	2	2	1.6	1.7	2.1	8.2	56	25	6.2	3.8	2.8
26	2.2	2	2	1.6	1.7	2.1	8.3	54	24	6.1	3.8	3
27	2.2	2	2	1.6	1.7	2.1	8.4	50	22	6.2	3.8	3
28	2.2	2	2	1.6	1.7	2.2	8.7	47	20	6.4	3.7	3.2
29	2.2	2	2	1.6	---	2.3	8.6	44	20	6.4	3.6	2.9
30	2.2	2	2	1.6	---	2.2	8.3	43	18	6.2	3.6	2.9
31	2.1	---	1.9	1.6	---	2.1	---	41	---	6	3.4	---
TOTAL	68.1	60.9	61.6	52.9	46.8	61.5	153	715.8	910	273.5	140.7	92.5
MEAN	2.2	2	2	1.7	1.7	2	5.1	23.1	30	8.8	4.5	3.1
AC-FT	135	121	122	105	93	122	303	1420	1800	542	279	183
MAX	2.2	2.1	2	1.9	1.7	2.3	8.7	57	41	16	5.8	3.3
MIN	2.1	2	1.9	1.6	1.6	1.7	2.1	6.7	18	6	3.4	2.8
CAL YR 2004	TOTAL	1659.9	MEAN	4.54	MAX	22	MIN	1.3	AC-FT	3290		
WTR YR 2005	TOTAL	2637.3	MEAN	7.23	MAX	57	MIN	1.6	AC-FT	5230		

MAX DISCH: 61.6 CFS AT 23:00 ON May. 24, 2005 GH 1.43 FT. SHIFT 0 FT.
MAX GH: 1.43 FT. AT 23:00 ON May. 24, 2005

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

09080300 ROCKY FORK CREEK NEAR MEREDITH CO
WY2005 HYDROGRAPH



YAMPA RIVER BASIN

YAMPA RIVER ABOVE LAKE CATAMOUNT, CO

LOCATION.-- Lat. 40°20'27", long. 106°48'29", (Blacktail Mountain, Colorado Quadrangle), SE1/4 of the SE1/4 in Section 33, T5N, R84W of the Sixth Principal Meridian in Routt County, at County Road 18C bridge.

DRAINAGE AREA.--361 sq mi (from topographic maps).

PERIOD OF RECORD.--State Engineer maintained station. Staff gage installed at current site and datum. Spot records from staff gage kept from April 1989 to October 2003 with some years with record dating back to 1978. Continuous hydrographic records kept from October 2003 to present.

GAGE.--High data rate Sutron Satlink logger with satellite telemetry and shaft encoder housed in a 42-inch diameter corrugated metal pipe shelter and stilling well. Stilling well equipped with two 1.5-inch intakes connected to risers. Shaft encoder referenced to inside staff gage (0.00 to 6.66 feet) located on the inside wall of the well. Approximate elevation of gage is 6880 ft (from topographic map).

REMARKS.--Primary record is 15-minute data from the Satlink logger. Continuous gage height records were kept from October 1, 2004 to September 30, 2005. The record is complete and reliable, except for the following days: November 29 through December 5; December 23 through 27, 2004; and February 11 and 28, 2005, due to possible ice-affect. The record is good except for the periods November 29 through December 5; December 23 through 27, 2004; and February 11 and 28, 2005, which were estimated and are considered fair. The period of good record covers the time occurrence of the peak discharge. Station maintained and record developed by Erin Light.

RATING TABLE.--YAMABVC011 USED FROM 01-OCT-2004 TO 19-OCT-2004
YAMABVC010 USED FROM 19-OCT-2004 TO 30-SEP-2005

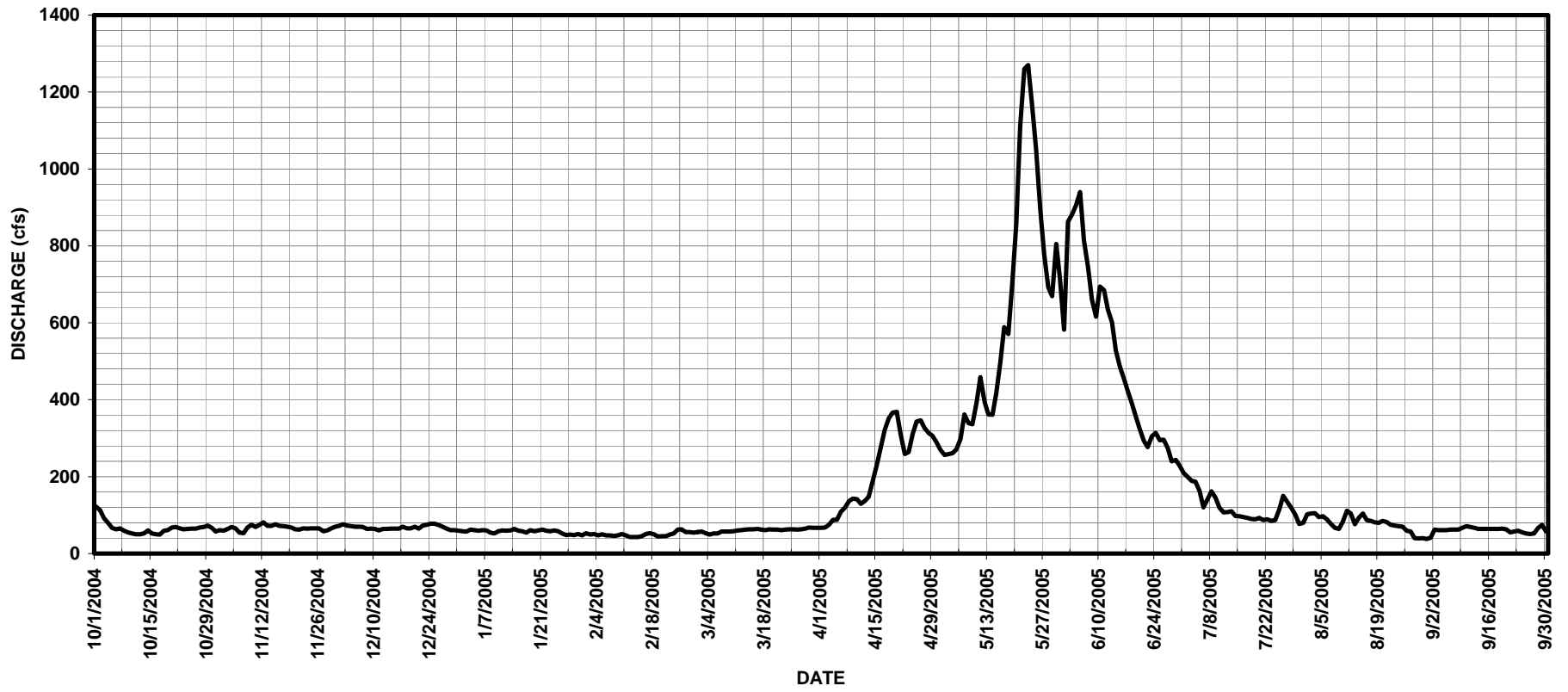
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	61	72	58	53	56	67	270	582	209	102	41
2	112	59	76	57	49	57	68	256	863	200	104	62
3	92	64	73	62	51	53	75	258	882	189	105	61
4	80	69	71	61	47	49	88	261	905	187	95	61
5	67	66	70	59	50	52	88	271	940	163	97	61
6	63	54	70	61	47	52	109	298	814	120	89	62
7	66	53	69	60	47	57	119	362	744	141	77	62
8	59	68	64	54	46	57	136	339	661	162	67	62
9	55	75	65	52	47	57	143	336	616	145	64	67
10	52	69	64	58	51	58	141	392	694	119	83	71
11	50	75	60	60	47	60	129	459	685	107	111	69
12	50	81	64	59	43	61	137	395	634	108	104	67
13	52	72	64	60	43	62	148	362	601	110	76	64
14	60	72	65	64	43	63	190	361	527	98	93	64
15	52	76	65	59	45	63	229	416	485	97	104	64
16	50	72	65	58	51	64	277	497	457	95	87	64
17	49	71	70	54	53	62	321	589	422	93	85	64
18	59	70	66	61	50	61	352	571	392	90	81	64
19	61	68	66	58	44	63	367	699	356	89	80	65
20	68	63	70	60	45	62	368	859	324	93	85	63
21	69	62	65	62	45	62	310	1110	293	87	82	55
22	66	66	73	59	49	61	259	1260	277	89	75	57
23	63	65	75	58	52	62	264	1270	305	85	73	59
24	64	66	78	60	62	63	312	1160	314	87	71	55
25	65	66	78	58	63	63	343	1050	295	115	70	52
26	65	66	74	52	56	62	346	895	296	150	59	51
27	68	58	70	48	56	63	326	779	274	134	57	52
28	69	60	65	49	54	65	313	692	240	119	40	67
29	73	66	61	48	---	68	306	669	243	101	39	74
30	67	70	61	51	---	67	289	805	228	77	40	57
31	57	---	59	47	---	67	---	714	---	80	38	---
TOTAL	2045	2003	2108	1767	1389	1872	6620	18655	15349	3739	2433	1837
MEAN	66	67	68	57	50	60	221	602	512	121	79	61
AC-FT	4060	3970	4180	3500	2760	3710	13130	37000	30440	7420	4830	3640
MAX	122	81	78	64	63	68	368	1270	940	209	111	74
MIN	49	53	59	47	43	49	67	256	228	77	38	41

CAL YR 2004 TOTAL 41754 MEAN 114 MAX 659 MIN 31 AC-FT 82800
WTR YR 2005 TOTAL 59817 MEAN 164 MAX 1270 MIN 38 AC-FT 118600

MAX DISCH: 1470 CFS AT 23:00 ON May. 22, 2005 GH 4.56 FT. SHIFT 0 FT.
MAX GH: 4.56 FT. AT 23:00 ON May. 22, 2005

YAMPA RIVER ABOVE LAKE CATAMOUNT CO
WY2005 HYDROGRAPH



YAMPA RIVER BASIN

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 SW1/4 of the NW1/4, in Section 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 and Sutron 8200A data collection platform (DCP) with shaft encoder housed in a 6-ft X 42-inch corrugated metal shelter on a 6-ft X 42-inch metal well. Control is a concrete weir across stream. Approximate elevation of gage is 7,050 ft (from topographic map).

REMARKS.--Primary record is 15-minute data from the DCP with chart backup. Record was not kept during the winter period: November 8, 2004-April 15, 2005. The record is complete, reliable and good except for the following days: November 2, due to possible ice-affect; and September 24-27 and 30, 2005, when the shaft encoder float was hung up on flushing valves and the chart recorder clock was stopped, which are considered fair; and May 16-June 27 and June 29, 2005, which are considered poor due to lack of definition of the high water rating. The latter period covers the time occurrence of the peak discharge, which is also considered poor. Station maintained and record developed by Erin Light.

RATING TABLE.--WLTNCKCO08 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

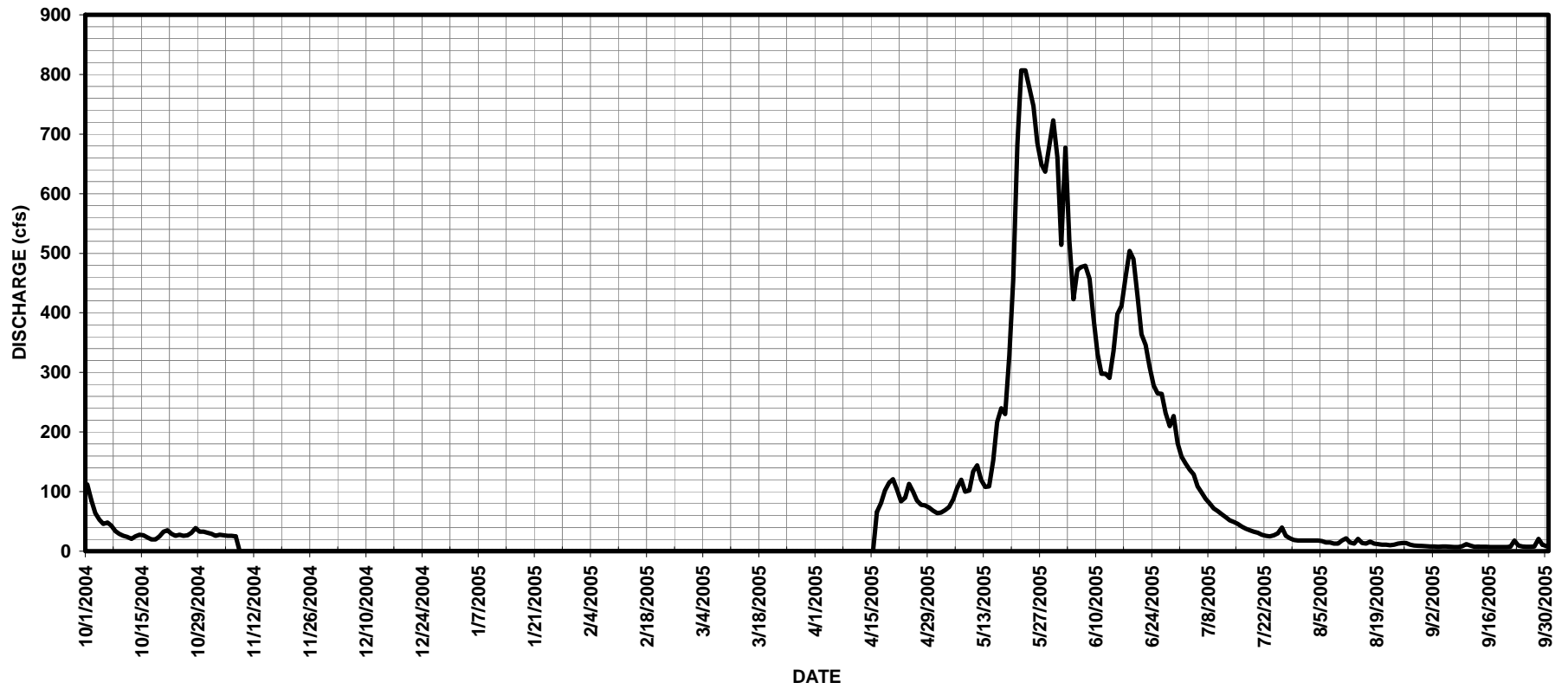
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	29	-	-	-	-	-	64	514	159	18	7.9
2	85	26	-	-	-	-	-	65	677	147	18	7.9
3	64	28	-	-	-	-	-	69	522	137	18	7.5
4	53	27	-	-	-	-	-	74	423	129	18	7.9
5	46	26	-	-	-	-	-	87	472	109	17	7.9
6	48	26	-	-	-	-	-	106	477	98	15	7.5
7	43	25	-	-	-	-	-	120	479	88	15	6.8
8	34	-	-	-	-	-	-	100	457	80	13	6.8
9	29	-	-	-	-	-	-	102	393	72	13	8.3
10	26	-	-	-	-	-	-	134	331	67	18	12
11	24	-	-	-	-	-	-	144	298	62	22	9.6
12	21	-	-	-	-	-	-	120	298	57	15	7.5
13	25	-	-	-	-	-	-	108	291	52	13	7.5
14	28	-	-	-	-	-	-	109	336	49	21	7.5
15	27	-	-	-	-	-	-	153	398	46	14	7.5
16	23	-	-	-	-	-	66	217	412	41	13	6.9
17	20	-	-	-	-	-	81	240	458	38	16	6.8
18	20	-	-	-	-	-	102	230	504	35	13	6.8
19	25	-	-	-	-	-	115	329	490	33	12	6.8
20	33	-	-	-	-	-	121	455	427	31	11	6.8
21	35	-	-	-	-	-	103	682	364	28	11	7.3
22	29	-	-	-	-	-	84	807	346	26	10	18
23	26	-	-	-	-	-	90	807	310	25	11	9.6
24	28	-	-	-	-	-	113	778	278	27	13	7.9
25	26	-	-	-	-	-	100	747	265	30	14	7.2
26	27	-	-	-	-	-	85	685	264	40	14	7.2
27	31	-	-	-	-	-	78	649	232	26	11	7.9
28	39	-	-	-	-	-	77	637	210	22	9.6	21
29	33	-	-	-	---	-	73	681	227	19	9.2	11
30	33	-	-	-	---	-	68	723	181	18	8.7	8.3
31	31	---	-	-	---	-	---	661	---	18	8.3	---
TOTAL	1124	187	-	-	-	-	1356	10883	11334	1809	432.8	259.6
MEAN	36.3	26.7	-	-	-	-	90.4	351	378	58.4	14.0	8.7
AC-FT	2230	371	-	-	-	-	2690	21590	22480	3590	858	515
MAX	112	29	-	-	-	-	121	807	677	159	22	21
MIN	20	-	-	-	-	-	-	64	181	18	8.3	6.8

CAL YR	2004	TOTAL	22087.1	MEAN	96.9	MAX	552	MIN	7.2	AC-FT	43810	(PARTIAL YEAR RECORD)
WTR YR	2005	TOTAL	27385.4	MEAN	133	MAX	807	MIN	6.8	AC-FT	54320	(PARTIAL YEAR RECORD)

MAX DISCH: 1010 CFS AT 18:30 ON May. 22, 2005 GH 2.49 FT. SHIFT 0.01 FT.

MAX GH: 2.49 FT. AT 18:30 ON May. 22, 2005

09238500 WALTON CREEK NEAR STEAMBOAT SPRINGS CO
WY2005 HYDROGRAPH



NORTH PLATTE RIVER BASIN

06616500 MICHIGAN RIVER NEAR MEADOW CREEK RESERVOIR

LOCATION.--Lat. 40°36'48", Long. 106°05'05", (Gould, Colorado Quadrangle, 1955), SE1/4 of the SE1/4 in Section 36 T8N, R78W in Jackson County. Under bridge on County Road 30 about 700 feet upstream of its confluence with Peterson Creek.

DRAINAGE AREA.--Approximately 99 sq. mi.

PERIOD OF RECORD.--Formerly known as the Michigan River near Gould station and was relocated due to removal of bridge location. Station has been in operation at present location since 1997.

GAGE.--Sutron 8200A data collection platform with shaft encoder and satellite monitoring equipment. Stilling well is located at right bridge abutment, with an outside staff gage ranging from of 0.00 to 6.66 feet located just to the left of the well. Approximate elevation gage is 8500 ft (from topographic map).

REMARKS.--Primary record is hourly data from the data collection platform. Continuous gage height records were kept from October 1 to November 14, 2004 and April 5 to September 30, 2005. Record was not kept during the winter period: November 15, 2004 through April 4, 2005. The record is complete and reliable except for the following days: October 31-November 8, November 11-14, 2004; and April 6-9, 2005 due to possible ice-affect; and July 19-29, 2005, due to equipment malfunction. The record is good, except for the periods October 31-November 8, November 11-14, 2004; April 6-9, and July 19-29, 2005, which are considered fair. Station maintained and record developed by Erin Light.

RATING TABLE.--MICMERC006 USED FROM 01-OCT-2004 TO 30-SEP-2005

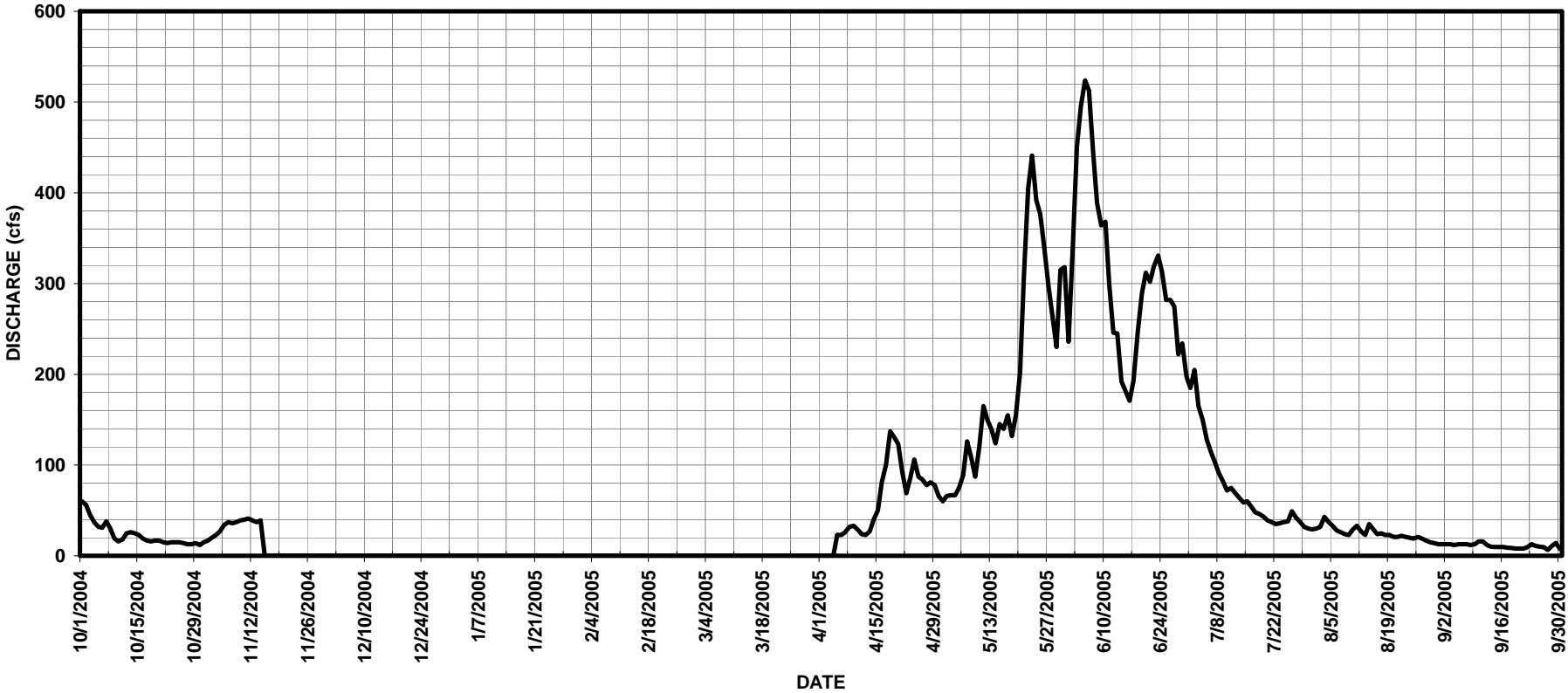
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	17	-	-	-	-	-	60	236	185	30	13
2	56	20	-	-	-	-	-	66	339	205	32	13
3	45	23	-	-	-	-	-	67	451	165	43	13
4	37	27	-	-	-	-	-	67	495	150	37	12
5	32	34	-	-	-	-	23	75	524	128	33	13
6	31	37	-	-	-	-	23	89	513	115	28	13
7	38	36	-	-	-	-	26	126	445	103	26	13
8	30	37	-	-	-	-	32	108	389	91	24	12
9	19	39	-	-	-	-	33	87	364	82	23	13
10	16	40	-	-	-	-	29	120	368	72	29	16
11	18	41	-	-	-	-	24	165	298	75	33	16
12	25	39	-	-	-	-	23	150	246	69	27	12
13	26	37	-	-	-	-	27	139	245	64	23	10
14	25	39	-	-	-	-	40	124	192	59	35	9.7
15	23	-	-	-	-	-	50	145	182	60	29	9.8
16	19	-	-	-	-	-	81	140	171	54	24	9.8
17	17	-	-	-	-	-	100	155	193	48	25	9
18	16	-	-	-	-	-	137	132	246	46	23	8.5
19	17	-	-	-	-	-	131	155	289	43	23	8
20	17	-	-	-	-	-	123	202	312	39	21	8
21	15	-	-	-	-	-	93	310	302	37	21	8
22	14	-	-	-	-	-	69	405	319	35	22	9.4
23	15	-	-	-	-	-	85	441	331	36	21	13
24	15	-	-	-	-	-	106	392	313	37	20	11
25	15	-	-	-	-	-	87	377	282	38	19	10
26	14	-	-	-	-	-	84	340	282	49	21	9.5
27	13	-	-	-	-	-	78	298	275	42	19	6.5
28	13	-	-	-	-	-	81	265	222	37	17	11
29	14	-	-	-	---	-	78	230	234	32	15	14
30	12	-	-	-	---	-	66	315	198	30	14	7.4
31	15	---	-	-	---	-	---	318	---	29	13	---
TOTAL	722	466	-	-	-	-	1729	6063	9256	2255	770	331.6
MEAN	23.3	33.3	-	-	-	-	66.5	196	309	72.7	24.8	11.1
AC-FT	1430	924	-	-	-	-	3430	12030	18360	4470	1530	658
MAX	60	41	-	-	-	-	137	441	524	205	43	16
MIN	12	-	-	-	-	-	-	60	171	29	13	6.5

CAL YR 2004 TOTAL 9439.2 MEAN 39.3 MAX 190 MIN - AC-FT 18720 (PARTIAL YEAR RECORD)
WTR YR 2005 TOTAL 21592.6 MEAN 96.4 MAX 524 MIN 0 AC-FT 42830 (PARTIAL YEAR RECORD)

MAX DISCH: 593 CFS AT 02:00 ON Jun. 6, 2005 GH 3.62 FT. SHIFT 0 FT.
MAX GH: 3.62 FT. AT 02:00 ON Jun. 6, 2005

06616500 MICHIGAN RIVER NEAR MEADOW CREEK RESERVOIR CO
WY2005 HYDROGRAPH



NORTH PLATTE RIVER BASIN

06617100 MICHIGAN RIVER NEAR WALDEN, CO

LOCATION.--Oct 1-6, 2004, Lat. 40°44'29", Long. 106°16'38", (Walden, Colorado Quadrangle, 1955), NE1/4 of the NE1/4 in Section 21 T9N, R79W in Jackson County. Station was moved downstream approximately one-quarter of a mile to a location just upstream of the Highway 125 bridge Oct 7-12, 2005, on Jackson County property at Town of Walden Water Facility.

DRAINAGE AREA.--Approximately 182 sq. mi.

PERIOD OF RECORD.--Originally established by the USGS at a location believed to be just upstream of the present location in May 1904. Records kept by the USGS from May 1904 to October 1905 and May 1923 to October 1947. Re-established by the State Engineer's Office in May 2002. Records kept by the Town of Walden from 1916 to present.

GAGE.--Oct 1-6, 2004: Sutron shaft encoder and high data rate 8210 data collection platform (DCP) with satellite telemetry housed in a structure mounted on top of a 24-inch diameter corrugated metal pipe stilling well with two two-inch diameter inlet pipes. Two outside staff gages, with a range of 0.00 to 3.33 feet, were located on the left bank downstream of the well approximately 10 meters and 1 meter. Beginning Oct 12, 2004: Current equipment is the same as that at the previous location. An outside staff, with a range of 0.00 to 3.33 feet, located immediately downstream of the stilling well was used as reference gage height up to May 25, 2005. Drop tape used as reference gage height beginning May 25, 2005.

REMARKS.--Primary record is 15-minute data from the DCP. The station was closed during the winter period: Nov. 11, 2004-Apr. 20, 2005. The record is complete, reliable, and good, except for the following days: Oct. 7-12, 2004, due to relocation of gage, and Nov. 2-5, 2004, due to possible ice-affect, which are considered fair; and June 3-8, 2005, which is considered poor due to lack of definition of the high water rating. The period of poor record covers the time occurrence of the peak discharge, which is also considered poor. Station maintained and record developed by Erin Light.

RATING TABLE.--MICWLDCO10 USED FROM 01-OCT-2004 TO 07-OCT-2004
 MICWLDCO11 USED FROM 12-OCT-2004 TO 20-JUN-2005
 MICWLDCO12 USED FROM 20-JUN-2005 TO 30-SEP-2005

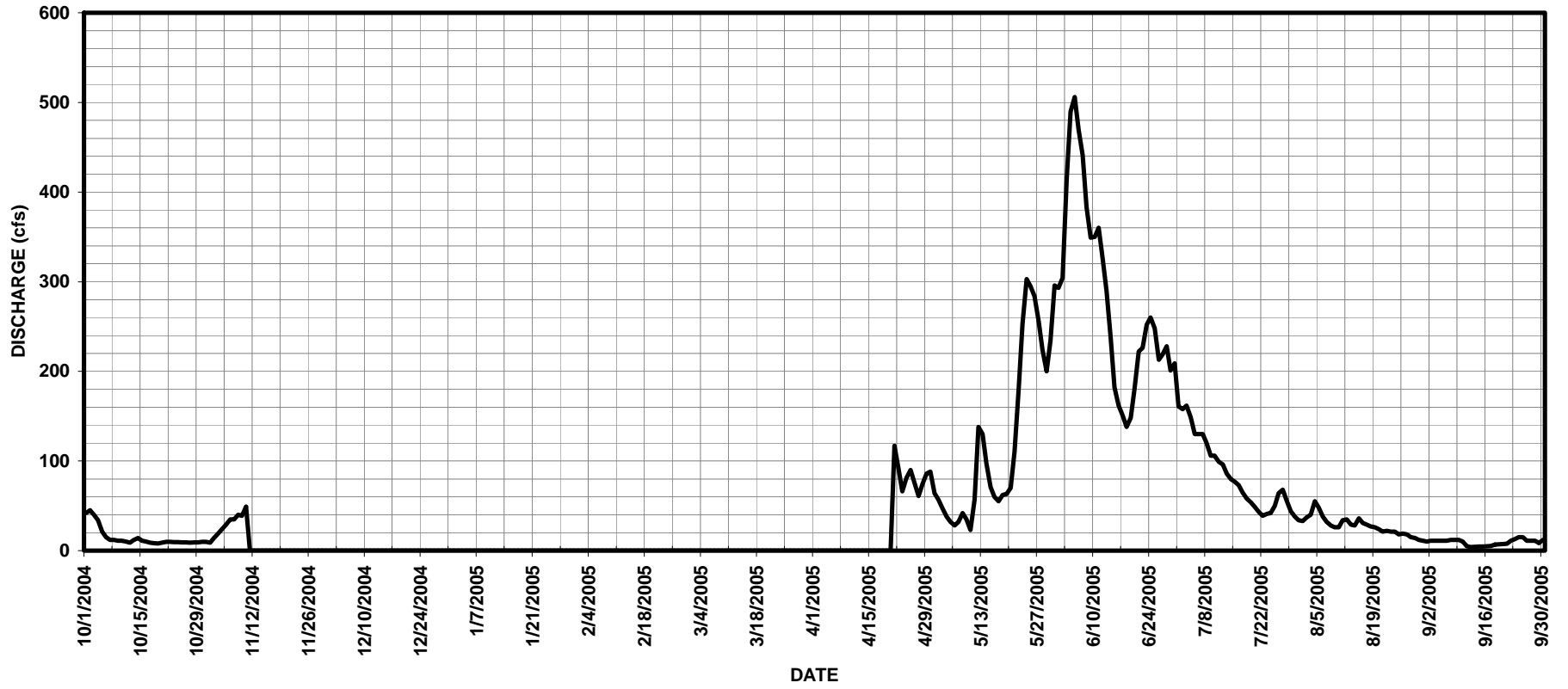
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	8.9	-	-	-	-	-	64	293	161	33	10
2	45	14	-	-	-	-	-	57	304	158	37	11
3	40	19	-	-	-	-	-	47	415	162	40	11
4	34	24	-	-	-	-	-	38	490	149	55	11
5	21	29	-	-	-	-	-	32	506	130	48	11
6	15	35	-	-	-	-	-	28	470	130	38	11
7	12	35	-	-	-	-	-	32	441	130	32	12
8	12	40	-	-	-	-	-	42	383	120	28	12
9	11	39	-	-	-	-	-	35	349	106	26	12
10	11	49	-	-	-	-	-	23	350	106	26	10
11	10	-	-	-	-	-	-	57	360	99	34	5
12	9	-	-	-	-	-	-	138	326	96	35	3.9
13	12	-	-	-	-	-	-	130	290	86	29	4.3
14	14	-	-	-	-	-	-	97	238	80	28	4.5
15	11	-	-	-	-	-	-	71	182	77	36	4.6
16	10	-	-	-	-	-	-	60	162	73	31	5
17	9	-	-	-	-	-	-	55	151	65	29	5.2
18	8.4	-	-	-	-	-	-	62	138	58	27	6.7
19	8.1	-	-	-	-	-	-	63	148	54	26	7.1
20	8.9	-	-	-	-	-	-	70	180	49	24	7.3
21	9.9	-	-	-	-	-	117	110	220	43	21	7.8
22	9.8	-	-	-	-	-	91	180	224	39	22	11
23	9.4	-	-	-	-	-	66	253	249	41	21	13
24	9.4	-	-	-	-	-	81	303	258	42	21	15
25	9.3	-	-	-	-	-	90	295	246	50	18	15
26	9.1	-	-	-	-	-	76	284	210	64	19	11
27	9	-	-	-	-	-	61	256	217	68	18	11
28	9.1	-	-	-	-	-	74	224	225	55	15	11
29	9.3	-	-	-	---	-	86	200	199	44	14	8.5
30	9.7	-	-	-	---	-	88	234	209	38	12	12
31	9.9	---	-	-	---	-	---	296	---	34	11	---
TOTAL	447.3	292.9	-	-	-	-	830	3836	8455	2607	854	279.9
MEAN	14.4	29.3	-	-	-	-	83.0	124	282	84.1	27.5	9.33
AC-FT	887	581	-	-	-	-	1650	7610	16770	5170	1690	555
MAX	45	49	-	-	-	-	117	303	506	162	55	15
MIN	8.1	-	-	-	-	-	-	23	138	34	11	3.9

CAL YR 2004 TOTAL 8648.5 MEAN 37.4 MAX 157 MIN - AC-FT 17150 (PARTIAL YEAR RECORD)
 WTR YR 2005 TOTAL 17602.1 MEAN 86.2 MAX 506 MIN - AC-FT 34910 (PARTIAL YEAR RECORD)

MAX DISCH: 549 CFS AT 23:15 ON Jun. 4, 2005 GH 4.77 FT. SHIFT 0.15 FT.
 MAX GH: 4.77 FT. AT 23:15 ON Jun. 4, 2005

06617100 MICHIGAN RIVER NEAR WALDEN CO
WY2005 HYDROGRAPH



NORTH PLATTE RIVER BASIN

06617500 ILLINOIS RIVER NEAR RAND, CO

LOCATION.--Lat. 40°27'45", Long. 106°10'30", (Rand Quadrangle, 1956), in SW1/4 of the NE1/4 of Section 29, T6N, R78W in Jackson County, on right upstream bridge abutment on Jackson County Road 27.

DRAINAGE AREA.--Approximately 70.6 sq. mi. (from topographic maps).

PERIOD OF RECORD.--Established by the State Engineer's Office. Formerly published as Illinois Creek near Rand (1931-1940) at similar location. Hydrographic measurements taken in 1981 and 1985, but no records were kept. Records kept from 1987 to present. Records published in 1995 and 2002 through the present.

GAGE.--Shaft encoder housed in a metal box on top of 12-inch diameter well with 1-inch diameter pipe protruding from well into the water. The well is located upstream of right bridge abutment with outside staff located just to the left on abutment. Shaft encoder is connected to a Sutron 8200A data collection platform (DCP) with satellite telemetry located several meters back from the channel bank in a grey housing box. Approximate elevation of gage is 8550 feet.

REMARKS.--Primary record is hourly data from the DCP. Continuous gage height records were kept from Oct 1-Nov 14, 2004 and Apr 13-Sept 30, 2005. Record was not kept during the winter period: Nov 15, 2004-Apr 12, 2005. The record is complete, reliable, and good, except for the following days: Nov 2, 4, 11, 13, and 14, 2004, and Apr 13-16, 2005, due to possible ice-affect; and May 24, and June 29-July 8, 2005, due to equipment malfunction, which are considered fair; and August 20-September 7, 2005, due to equipment malfunction, which are considered poor. Station maintained and record developed by Erin Light.

RATING TABLE.--ILLRANCO03 USED FROM 01-OCT-2004 TO 14-NOV-2004
ILLRANCO04 USED FROM 13-APR-2005 TO 30-SEP-2005

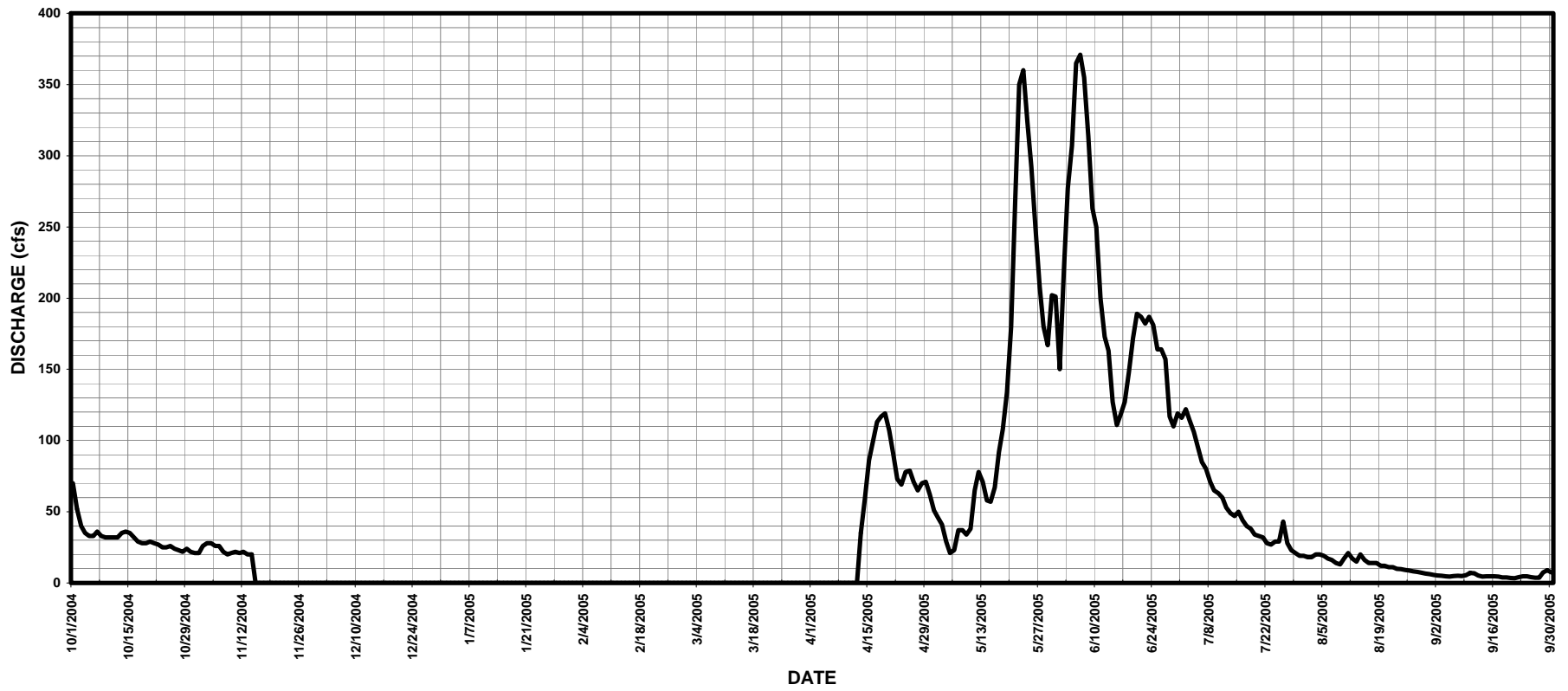
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	21	-	-	-	-	-	51	150	116	18	5.6
2	52	26	-	-	-	-	-	46	220	122	18	5.3
3	40	28	-	-	-	-	-	41	277	114	20	5
4	35	28	-	-	-	-	-	29	307	106	20	4.7
5	33	26	-	-	-	-	-	21	365	95	19	4.5
6	33	26	-	-	-	-	-	23	371	85	17	4.9
7	36	22	-	-	-	-	-	37	355	80	16	5
8	33	20	-	-	-	-	-	37	314	71	14	4.8
9	32	21	-	-	-	-	-	34	263	65	13	5.4
10	32	22	-	-	-	-	-	38	250	63	17	7
11	32	21	-	-	-	-	-	65	200	60	21	6.7
12	32	22	-	-	-	-	-	78	173	53	17	5.3
13	35	20	-	-	-	-	35	71	163	49	15	4.5
14	36	20	-	-	-	-	59	58	127	47	20	4.6
15	35	-	-	-	-	-	86	57	111	50	16	4.7
16	32	-	-	-	-	-	99	67	118	44	14	4.7
17	29	-	-	-	-	-	113	92	127	40	14	4.4
18	28	-	-	-	-	-	117	108	148	38	14	3.8
19	28	-	-	-	-	-	119	134	172	34	12	3.8
20	29	-	-	-	-	-	107	180	189	33	12	3.4
21	28	-	-	-	-	-	90	270	187	32	11	3.3
22	27	-	-	-	-	-	73	350	182	28	11	4
23	25	-	-	-	-	-	69	360	187	27	9.9	4.6
24	25	-	-	-	-	-	78	323	181	29	9.6	4.6
25	26	-	-	-	-	-	79	292	164	29	9.2	4.1
26	24	-	-	-	-	-	71	249	164	43	8.8	3.7
27	23	-	-	-	-	-	65	208	157	28	8.1	3.7
28	22	-	-	-	-	-	70	180	117	23	7.7	7.3
29	24	-	-	-	---	-	71	167	110	21	7.2	9
30	22	-	-	-	---	-	62	202	119	19	6.6	7.3
31	21	---	-	-	---	-	---	201	---	19	6.3	---
TOTAL	979	323	-	-	-	-	1463	4069	5968	1663	422.4	149.7
MEAN	31.6	23.1	-	-	-	-	81.3	131	199	53.6	13.6	5.0
AC-FT	1940	641	-	-	-	-	2900	8070	11840	3300	838	297
MAX	70	28	-	-	-	-	119	360	371	122	21	9
MIN	21	-	-	-	-	-	-	21	110	19	6.3	3.3

CAL YR 2004 TOTAL 6848 MEAN 28.9 MAX 84 MIN - AC-FT 13582 (PARTIAL YEAR RECORD)
WTR YR 2005 TOTAL 15037.1 MEAN 69.6 MAX 371 MIN - AC-FT 29830 (PARTIAL YEAR RECORD)

MAX DISCH: 423 CFS AT 01:00 ON Jun. 6, 2005 GH 3.6 FT. SHIFT 0 FT.
MAX GH: 3.6 FT. AT 01:00 ON Jun. 6, 2005

06617500 ILLINOIS RIVER NEAR RAND CO
WY2005 HYDROGRAPH



YAMPA RIVER BASIN

09249750 WILLIAMS FORK AT MOUTH NEAR HAMILTON, CO

LOCATION.--Lat. 40°26'14", long. 107°38'50", in SE1/4 of the NW1/4 of Section 31, T6N, R91W, Moffat County, Hydrologic Unit 14050001, on left bank at coal mine service road crossing, 2,300 ft upstream from confluence with Yampa River, 6.1 mi north-northeast of Hamilton, and 8 mi south-southwest of Craig, CO.

DRAINAGE AREA.--419 sq mi.

PERIOD OF RECORD.--Gage established and operated by USGS February 1,1984 to September 30, 2001. Gage re-established by State Engineer's Office April 26, 2005.

GAGE.--High data rate Sutron SatLink Logger with satellite telemetry and Sutron Accubar powered by a solar recharged 12-volt battery housed in a 6-foot square shelter over a 4-foot culvert well (no longer in use). Outside gage is a wire weight gage mounted on the upstream side of the bridge almost directly above the orifice. Approximate elevation of gage is 6170 ft (from topographic map).

REMARKS.--Primary record is 15-minute data from the data logger. Continuous gage height records were kept from April 27, when the gage was re-established through September 30, 2005. The record is complete, reliable, and good, except for the following days: July 15-August 5, and September 2-26, 2005, which are considered fair due to clogging of the orifice. Station maintained and record developed by Erin Light.

RATING TABLE.--WMFKMHCO07 USED FROM 26-APR-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

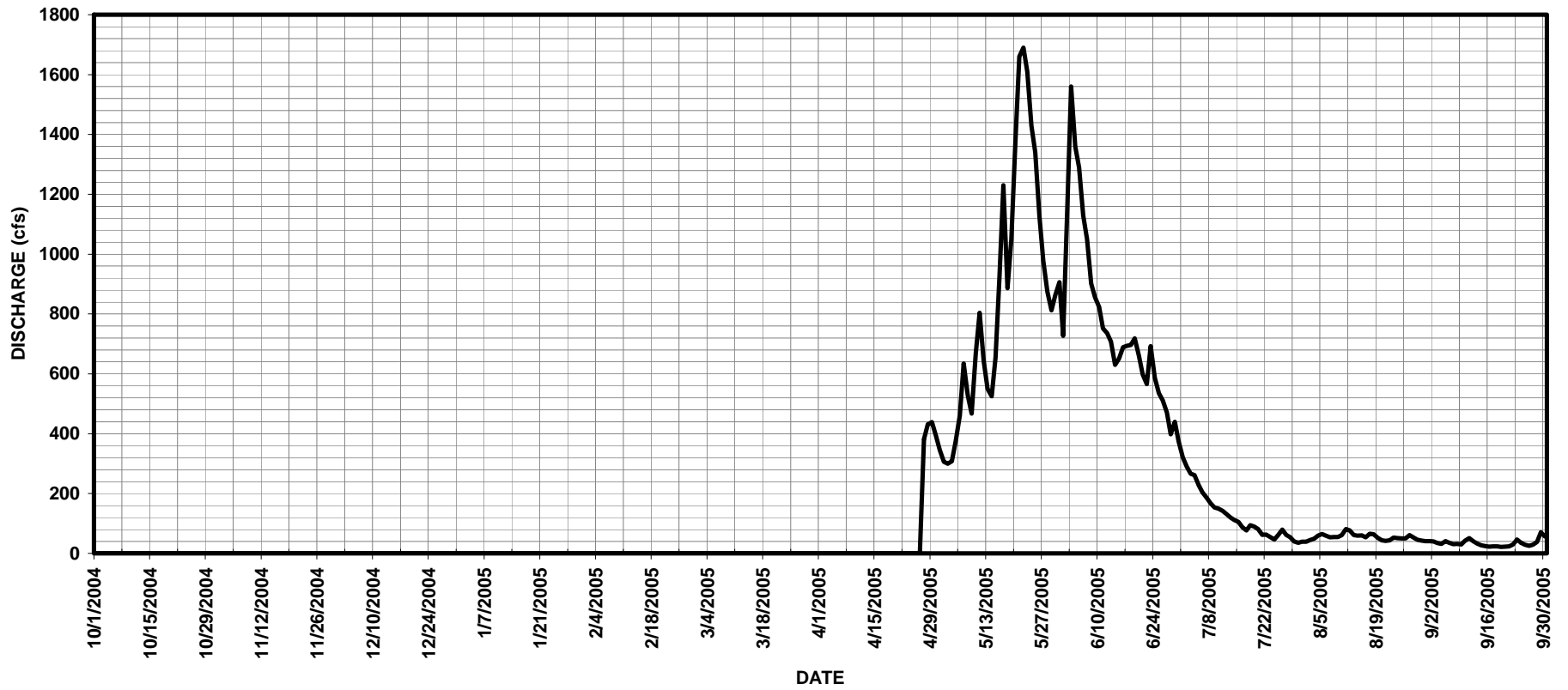
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-	-	-	-	-	-	-	346	727	321	39	41
2	-	-	-	-	-	-	-	306	1150	291	45	40
3	-	-	-	-	-	-	-	300	1560	266	49	35
4	-	-	-	-	-	-	-	308	1360	262	59	32
5	-	-	-	-	-	-	-	375	1290	229	65	41
6	-	-	-	-	-	-	-	461	1130	204	59	36
7	-	-	-	-	-	-	-	635	1050	187	54	31
8	-	-	-	-	-	-	-	528	902	168	55	32
9	-	-	-	-	-	-	-	467	856	154	55	30
10	-	-	-	-	-	-	-	668	823	150	61	43
11	-	-	-	-	-	-	-	804	752	143	81	51
12	-	-	-	-	-	-	-	642	736	132	77	41
13	-	-	-	-	-	-	-	550	708	120	61	33
14	-	-	-	-	-	-	-	525	630	112	59	27
15	-	-	-	-	-	-	-	655	650	105	60	25
16	-	-	-	-	-	-	-	928	689	88	54	23
17	-	-	-	-	-	-	-	1230	693	77	66	24
18	-	-	-	-	-	-	-	886	697	94	64	24
19	-	-	-	-	-	-	-	1050	719	90	52	22
20	-	-	-	-	-	-	-	1380	661	81	44	23
21	-	-	-	-	-	-	-	1660	598	62	42	24
22	-	-	-	-	-	-	-	1690	566	63	44	30
23	-	-	-	-	-	-	-	1610	692	55	53	47
24	-	-	-	-	-	-	-	1430	587	47	51	36
25	-	-	-	-	-	-	-	1340	535	61	50	29
26	-	-	-	-	-	-	-	1130	511	80	50	26
27	-	-	-	-	-	-	381	980	471	62	61	29
28	-	-	-	-	-	-	432	875	398	54	53	38
29	-	-	-	-	---	-	439	812	440	40	46	70
30	-	-	-	-	---	-	393	863	373	36	43	57
31	-	---	-	-	---	-	---	906	---	39	41	---
TOTAL	-	-	-	-	-	-	1645	26340	22954	3873	1693	1040
MEAN	-	-	-	-	-	-	411	850	765	125	55	35
AC-FT	-	-	-	-	-	-	3260	52250	45530	7680	3360	2060
MAX	-	-	-	-	-	-	439	1690	1560	321	81	70
MIN	-	-	-	-	-	-	-	300	373	36	39	22

WTR YR 2005 TOTAL 57545 MEAN 367 MAX 1690 MIN 22 AC-FT 114100 (PARTIAL YEAR RECORD)

MAX DISCH: 2110 CFS AT 06:00 ON May. 22, 2005 GH 7.13 FT. SHIFT 0 FT.
MAX GH: 7.13 FT. AT 06:00 ON May. 22, 2005

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

09249750 WILLIAMS FORK AT MOUTH NEAR HAMILTON CO
WY2005 HYDROGRAPH



GREEN RIVER BASIN

POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL, UT

LOCATION.--Lat. 40°40'25", long. 109°03'03", (Hoy Mountain, Utah-Colorado Quadrangle), in Section 1, T2S, R25E Salt Lake Meridian in Daggett County, on left bank approximately 0.2 miles upstream from the Utah-Colorado state line.

DRAINAGE AREA.--107sq mi (from topographic maps)

PERIOD OF RECORD.--Established September 1, 1957 by the USGS; USGS discontinued site September 30, 1982; re-established Summer 1983 by the State Engineer's Office. Staff gage installed inside well by USGS. Two outside staff gages, one on each bank, installed by State Engineer's Office.

GAGE.--Stevens A-71 chart recorder and shaft encoder connected to a high data rate Sutron Satlink data logger with satellite telemetry. Chart recorder and shaft encoder are housed in a 42-inch diameter corrugated metal well on left bank. Well is equipped with two 2-inch intakes with standard inside flushing devices. SatLink data logger is housed in a gray housing box attached to the side of the stilling well. SatLink data logger, shaft encoder and associated equipment installed on April 19, 2005. Outside staff gages located on right and left bank with range of 0.00 to 3.33 ft and third staff mounted on inside of well.

REMARKS.--Primary record is 15-minute data from the SatLink data logger. Continuous gage height records were kept from April 20 through September 30, 2005. Record was not kept October 1, 2004 through April 19, 2005. The record is complete and reliable. The record is considered good throughout the record period and no discharges were estimated. Station maintained and record developed by Erin Light.

RATING TABLE.--PTCKSLCO06 USED FROM 20-APR-2005 TO 30-SEP-2005

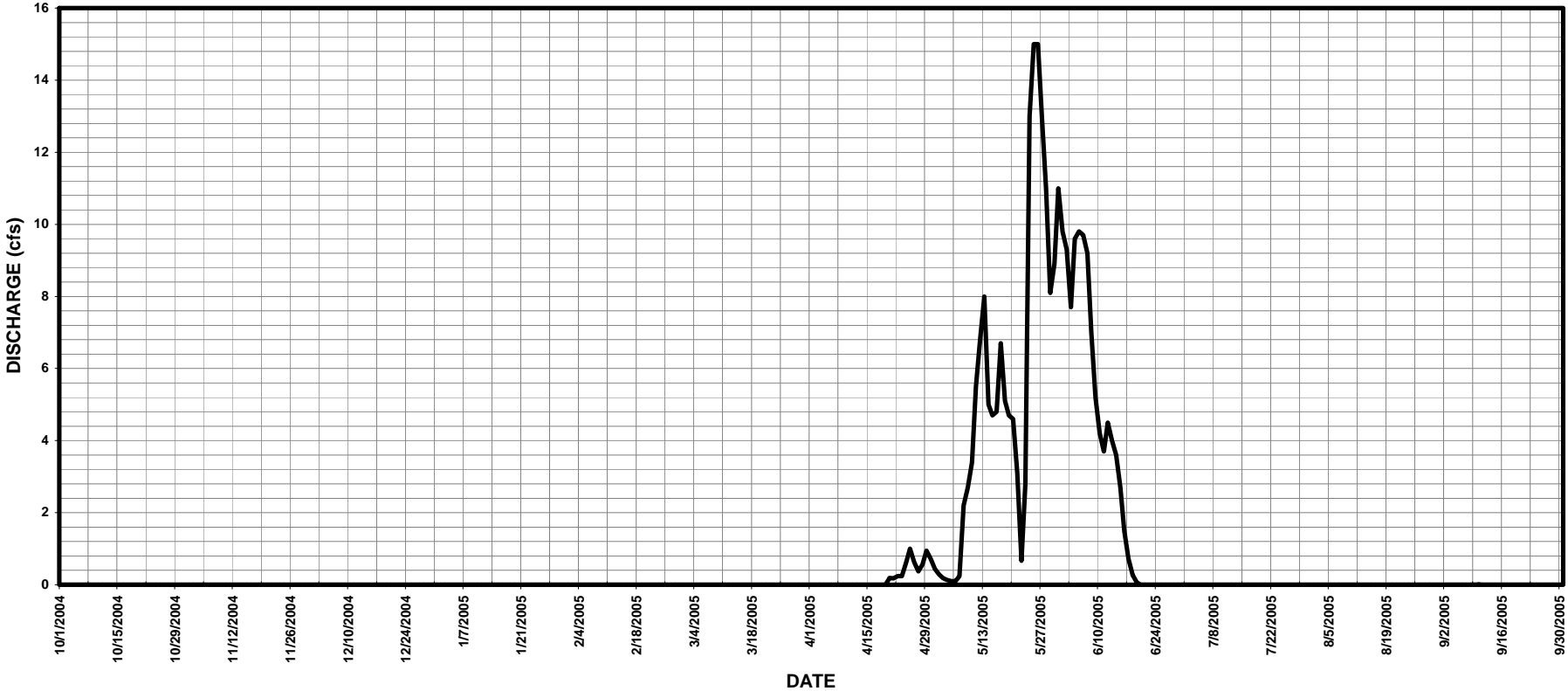
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-	-	-	-	-	-	-	.44	9.8	.00	.00	.00
2	-	-	-	-	-	-	-	.29	9.3	.00	.00	.00
3	-	-	-	-	-	-	-	.19	7.7	.00	.00	.00
4	-	-	-	-	-	-	-	.13	9.6	.00	.00	.00
5	-	-	-	-	-	-	-	.10	9.8	.00	.00	.00
6	-	-	-	-	-	-	-	.10	9.7	.00	.00	.00
7	-	-	-	-	-	-	-	.24	9.2	.00	.00	.00
8	-	-	-	-	-	-	-	2.2	7.0	.00	.00	.00
9	-	-	-	-	-	-	-	2.7	5.2	.00	.00	.00
10	-	-	-	-	-	-	-	3.4	4.2	.00	.00	.01
11	-	-	-	-	-	-	-	5.5	3.7	.00	.00	.00
12	-	-	-	-	-	-	-	6.8	4.5	.00	.00	.00
13	-	-	-	-	-	-	-	8.0	4.0	.00	.00	.00
14	-	-	-	-	-	-	-	5.0	3.6	.00	.00	.00
15	-	-	-	-	-	-	-	4.7	2.7	.00	.00	.00
16	-	-	-	-	-	-	-	4.8	1.5	.00	.00	.00
17	-	-	-	-	-	-	-	6.7	.72	.00	.00	.00
18	-	-	-	-	-	-	-	5.1	.27	.00	.00	.00
19	-	-	-	-	-	-	-	4.7	.06	.00	.00	.00
20	-	-	-	-	-	-	.19	4.6	.00	.00	.00	.00
21	-	-	-	-	-	-	.18	3.1	.00	.00	.00	.00
22	-	-	-	-	-	-	.24	.67	.00	.00	.00	.00
23	-	-	-	-	-	-	.24	2.8	.00	.00	.00	.00
24	-	-	-	-	-	-	.61	13	.00	.00	.00	.00
25	-	-	-	-	-	-	1.0	15	.00	.00	.00	.00
26	-	-	-	-	-	-	.63	15	.00	.00	.00	.00
27	-	-	-	-	-	-	.37	13	.00	.00	.00	.00
28	-	-	-	-	-	-	.57	11	.00	.00	.00	.00
29	-	-	-	-	---	-	.95	8.1	.00	.00	.00	.00
30	-	-	-	-	---	-	.72	8.9	.00	.00	.00	.00
31	-	---	-	-	---	-	---	11	---	.00	.00	---
TOTAL	-	-	-	-	-	-	5.70	167.26	102.55	.00	.00	.01
MEAN	-	-	-	-	-	-	0.52	5.40	3.42	.000	.000	.0003
AC-FT	-	-	-	-	-	-	11.3	332	203	.00	.00	.02
MAX	-	-	-	-	-	-	1.0	15	9.8	.00	.00	.01
MIN	-	-	-	-	-	-	-	.10	.00	.00	.00	.00

CAL YR	2004	TOTAL	-	MEAN	-	MAX	-	MIN	-	AC-FT	-
WTR YR	2005	TOTAL	275.52	MEAN	1.68	MAX	15	MIN	0	AC-FT	546 (PARTIAL YEAR RECORD)

MAX DISCH: 16.1 CFS AT 06:30 ON May. 25, 2005 GH 1.34 FT. SHIFT .00 FT. (FOR PERIOD OF RECORD)
MAX GH: 1.34 FT. AT 06:30 ON May. 25, 2005 (FOR PERIOD OF RECORD)

POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL UT
WY2005 HYDROGRAPH



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 are complete and reliable. Record good. Station maintained by the Dolores Conservancy District and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--DOLTUNCO01 USED FROM 01-OCT-2004 TO 31-OCT-2004
 DOLTUNCO02 USED FROM 01-NOV-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

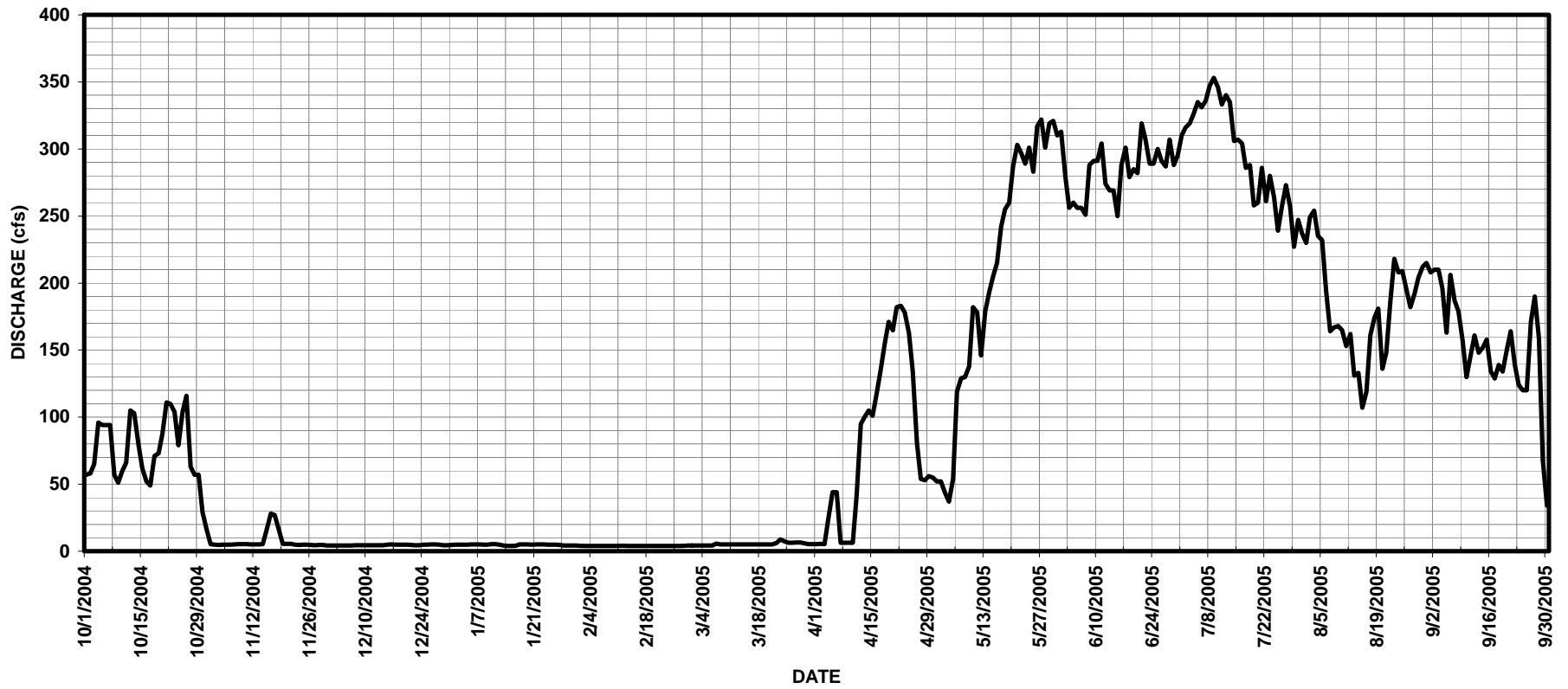
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	5.4	4.3	4.9	4.1	4.3	5.4	52	313	310	230	208
2	58	5.0	4.3	4.9	4.0	4.3	5.5	52	280	316	249	210
3	65	4.8	4.3	4.9	4.0	4.3	5.3	44	256	319	254	210
4	96	4.9	4.3	4.9	4.0	4.3	26	37	260	326	235	196
5	94	4.9	4.3	5.1	4.0	4.3	44	54	256	335	232	163
6	94	4.9	4.4	5.2	4.0	4.3	44	119	256	331	195	206
7	94	5.2	4.6	5.2	4.0	5.8	6.3	129	251	336	164	187
8	57	5.4	4.6	5.0	4.0	5.2	6.3	130	288	347	167	179
9	51	5.3	4.6	5.0	4.0	5.2	6.3	138	291	353	168	157
10	60	5.4	4.6	5.4	4.0	5.2	6.4	182	291	346	165	130
11	66	5.2	4.6	5.3	4.1	5.2	42	178	304	333	153	146
12	105	5.2	4.6	5.0	4.1	5.2	95	146	274	340	162	161
13	103	5.2	4.6	4.3	4.0	5.2	100	179	269	335	131	148
14	80	5.3	4.6	4.0	4.0	5.2	105	193	269	306	133	152
15	62	16	4.9	4.0	4.0	5.2	101	205	250	307	107	158
16	52	28	5.2	4.2	4.0	5.2	118	215	288	304	119	134
17	49	27	4.9	5.2	4.0	5.2	135	242	301	286	161	129
18	71	16	4.9	5.2	4.0	5.2	155	255	279	288	174	139
19	73	5.5	4.9	5.1	4.0	5.2	171	260	285	258	181	134
20	88	5.5	4.9	5.0	4.0	5.2	165	287	282	260	136	150
21	111	5.5	4.8	5.2	4.0	5.2	182	303	319	286	148	164
22	110	4.9	4.6	5.2	4.0	6.1	183	297	307	261	187	139
23	104	4.7	4.6	5.2	4.0	8.9	178	289	289	280	218	124
24	79	4.9	4.9	5.0	4.0	7.4	163	301	289	264	208	120
25	104	4.9	4.9	4.9	4.0	6.4	134	283	300	239	209	120
26	116	4.7	5.1	4.9	4.0	6.3	81	317	291	258	195	171
27	63	4.6	5.2	4.7	4.2	6.5	54	322	287	273	182	190
28	57	4.7	5.0	4.4	4.3	6.6	53	301	307	257	192	159
29	57	4.8	4.6	4.3	---	6.0	56	319	288	227	204	68
30	29	4.4	4.6	4.3	---	5.4	55	321	295	247	212	34
31	16	---	4.8	4.3	---	5.3	---	310	---	237	215	---
TOTAL	2321	218.2	145.5	150.2	112.8	169.3	2481.5	6460	8515	9165	5686	4586
MEAN	74.9	7.27	4.69	4.85	4.03	5.46	82.7	208	284	296	183	153
AC-FT	4600	433	289	298	224	336	4920	12810	16890	18180	11280	9100
MAX	116	28	5.2	5.4	4.3	8.9	183	322	319	353	254	210
MIN	16	4.4	4.3	4.0	4.0	4.3	5.3	37	250	227	107	34

CAL YR	2004	TOTAL	41737.5	MEAN	114	MAX	345	MIN	3.4	AC-FT	82790
WTR YR	2005	TOTAL	40010.5	MEAN	110	MAX	353	MIN	4.0	AC-FT	79360

MAX DISCH: 364 CFS AT 17:00 ON Jul. 9, 2005 GH 3.06 FT. SHIFT 0.01 FT.
 MAX GH: 3.06 FT. AT 17:00 ON Jul. 9, 2005

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

DOLORS TUNNEL OUTLET NEAR DOLORS CO
WY2005 HYDROGRAPH



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 are complete and reliable. Record good. Station maintained by the Dolores Conservancy District and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--MVIDIVCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

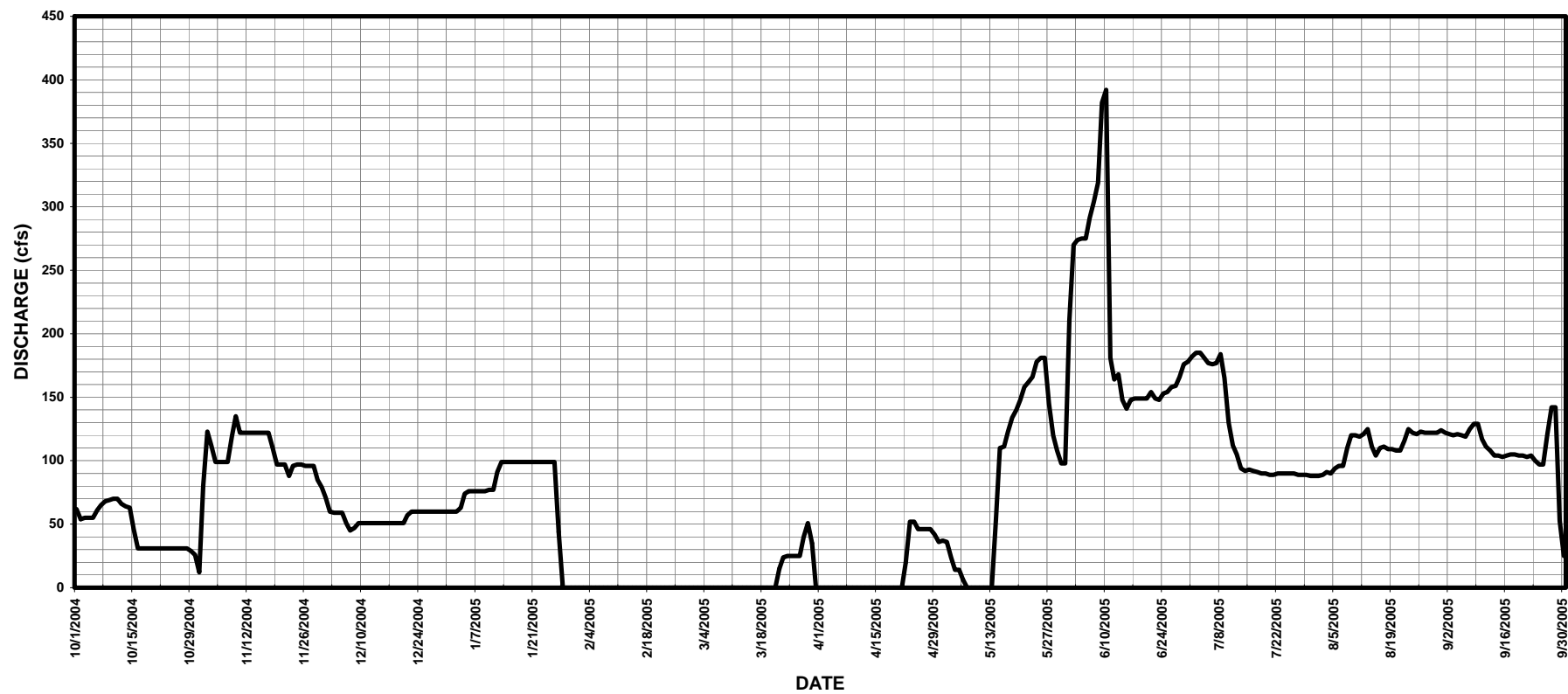
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	80	71	60	.00	.00	.00	37	211	182	88	122
2	54	123	60	60	.00	.00	.00	36	270	185	89	121
3	55	112	59	63	.00	.00	.00	24	274	185	91	120
4	55	99	59	74	.00	.00	.00	14	275	181	90	121
5	55	99	59	76	.00	.00	.00	14	275	177	94	120
6	61	99	51	76	.00	.00	.00	6.3	291	176	96	119
7	65	99	45	76	.00	.00	.00	.00	304	177	96	125
8	68	119	47	76	.00	.00	.00	.00	319	184	110	129
9	69	135	51	76	.00	.00	.00	.00	382	165	120	129
10	70	122	51	77	.00	.00	.00	.00	392	130	120	117
11	70	122	51	77	.00	.00	.00	.00	181	112	119	111
12	66	122	51	91	.00	.00	.00	.00	164	105	121	108
13	64	122	51	99	.00	.00	.00	.00	168	94	125	104
14	63	122	51	99	.00	.00	.00	54	148	92	111	104
15	46	122	51	99	.00	.00	.00	110	141	93	104	103
16	31	122	51	99	.00	.00	.00	111	148	92	110	104
17	31	122	51	99	.00	.00	.00	123	149	91	111	105
18	31	110	51	99	.00	.00	.00	134	149	90	109	105
19	31	97	51	99	.00	.00	.00	140	149	90	109	104
20	31	97	51	99	.00	.00	.00	148	149	89	108	104
21	31	97	57	99	.00	.00	.00	158	154	89	108	103
22	31	88	60	99	.00	15	20	162	149	90	116	104
23	31	96	60	99	.00	24	52	166	148	90	125	100
24	31	97	60	99	.00	25	52	178	153	90	122	97
25	31	97	60	99	.00	25	46	181	154	90	121	97
26	31	96	60	99	.00	25	46	181	158	90	123	121
27	31	96	60	44	.00	25	46	145	159	89	122	142
28	31	96	60	.00	.00	40	46	120	166	89	122	142
29	29	85	60	.00	---	51	42	108	176	89	122	53
30	26	79	60	.00	---	35	36	98	178	88	122	35
31	12	---	60	.00	---	.00	---	98	---	88	124	---
TOTAL	1393	3172	1720	2312.00	.00	265.00	386.00	2546.30	6134	3672	3448	3269
MEAN	44.9	106	55.5	74.6	.00	8.55	12.9	82.1	204	118	111	109
AC-FT	2760	6290	3410	4590	.00	526	766	5050	12170	7280	6840	6480
MAX	70	135	71	99	.00	51	52	181	392	185	125	142
MIN	12	79	45	.00	.00	.00	.00	.00	141	88	88	35

CAL YR	2004	TOTAL	30210.15	MEAN	82.8	MAX	177	MIN	.00	AC-FT	59920
WTR YR	2005	TOTAL	28317.30	MEAN	77.6	MAX	392	MIN	.00	AC-FT	56170

MAX DISCH: 435 CFS AT 10:15 ON Jun. 9, 2005 GH 4.05 FT. SHIFT 0.00 FT.
MAX GH: 4.05 FT. AT 10:15 ON Jun. 9, 2005

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

LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES CO
WY2005 HYDROGRAPH



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 Satlink HDR 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 gage is 6,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records are complete and reliable. Record 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 record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--DOLBMCCO03 USED FROM 01-OCT-2004 TO 09-NOV-2004
 DOLBMCCO04 USED FROM 09-NOV-2004 TO 30-SEP-2005

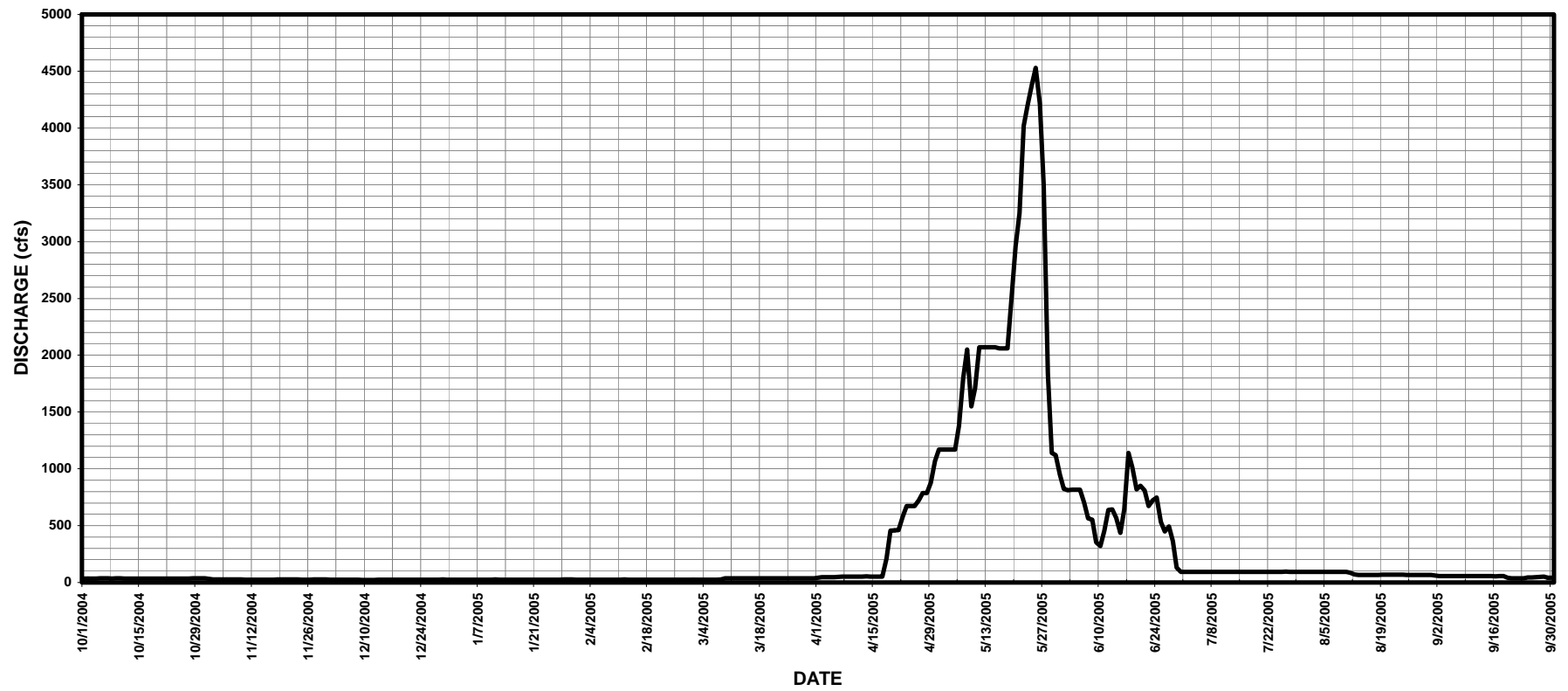
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	31	25	25	25	24	42	1170	824	94	93	61
2	35	28	25	25	25	24	46	1170	811	94	93	56
3	35	28	25	25	25	24	46	1170	816	94	92	57
4	35	28	25	25	25	24	46	1170	817	94	93	56
5	36	28	24	24	25	24	46	1170	816	94	93	56
6	36	28	24	24	25	24	48	1380	702	93	93	56
7	36	28	24	24	25	24	51	1800	564	92	93	57
8	35	28	24	24	25	28	51	2050	551	92	92	57
9	36	27	23	25	25	36	51	1550	354	92	93	56
10	36	25	23	25	25	36	52	1710	322	92	93	56
11	35	25	23	26	25	36	52	2070	453	92	86	56
12	35	25	23	25	26	36	52	2070	638	92	72	56
13	35	25	24	24	25	36	55	2070	642	92	67	56
14	35	25	25	24	25	36	52	2070	569	92	67	56
15	35	25	24	24	25	36	52	2070	437	92	67	56
16	35	25	25	24	25	36	52	2060	642	92	67	55
17	35	25	25	25	25	36	52	2060	1140	92	67	56
18	35	26	25	25	25	36	212	2060	1010	92	67	56
19	35	26	25	25	25	36	456	2490	819	92	68	42
20	35	26	25	25	25	36	458	2960	850	92	69	37
21	35	26	25	25	25	36	460	3250	809	92	69	37
22	35	26	25	25	25	36	579	4020	673	92	69	37
23	35	26	25	25	25	36	672	4200	724	93	69	37
24	35	25	25	25	24	36	672	4380	749	93	68	43
25	35	25	25	25	24	36	672	4530	532	93	67	45
26	35	25	25	25	24	36	724	4210	448	95	67	46
27	35	26	25	25	24	36	788	3500	492	93	67	49
28	36	26	25	26	24	36	788	1840	362	93	67	52
29	36	26	26	26	---	36	879	1140	131	93	67	42
30	36	26	25	26	---	36	1070	1120	94	93	67	41
31	36	---	25	25	---	36	---	949	---	93	67	---
TOTAL	1094	789	762	771	696	1024	9276	69459	18791	2874	2369	1523
MEAN	35.0	26.3	24.6	24.9	24.9	33.0	309	2241	626	92.7	76.4	50.8
AC-FT	2170	1560	1510	1530	1380	2030	18400	137800	37270	5700	4700	3020
MAX	36	31	26	26	26	36	1070	4530	1140	95	93	61
MIN	35	25	23	24	24	24	42	949	94	92	67	37
CAL YR 2004	TOTAL	15338	MEAN	42.0	MAX	171	MIN	17	AC-FT	30420		
WTR YR 2005	TOTAL	109428	MEAN	300	MAX	4530	MIN	23	AC-FT	217100		

MAX DISCH: 4600 CFS AT 00:45 ON May. 25, 2005 GH 7.05 FT. SHIFT 0.00 FT.
 MAX GH: 7.05 FT. AT 00:45 ON May. 25, 2005

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

**DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES CO
WY2005 HYDROGRAPH**



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.--Records are complete and reliable. Record good. Station maintained by the USBR and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--BLADIVCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

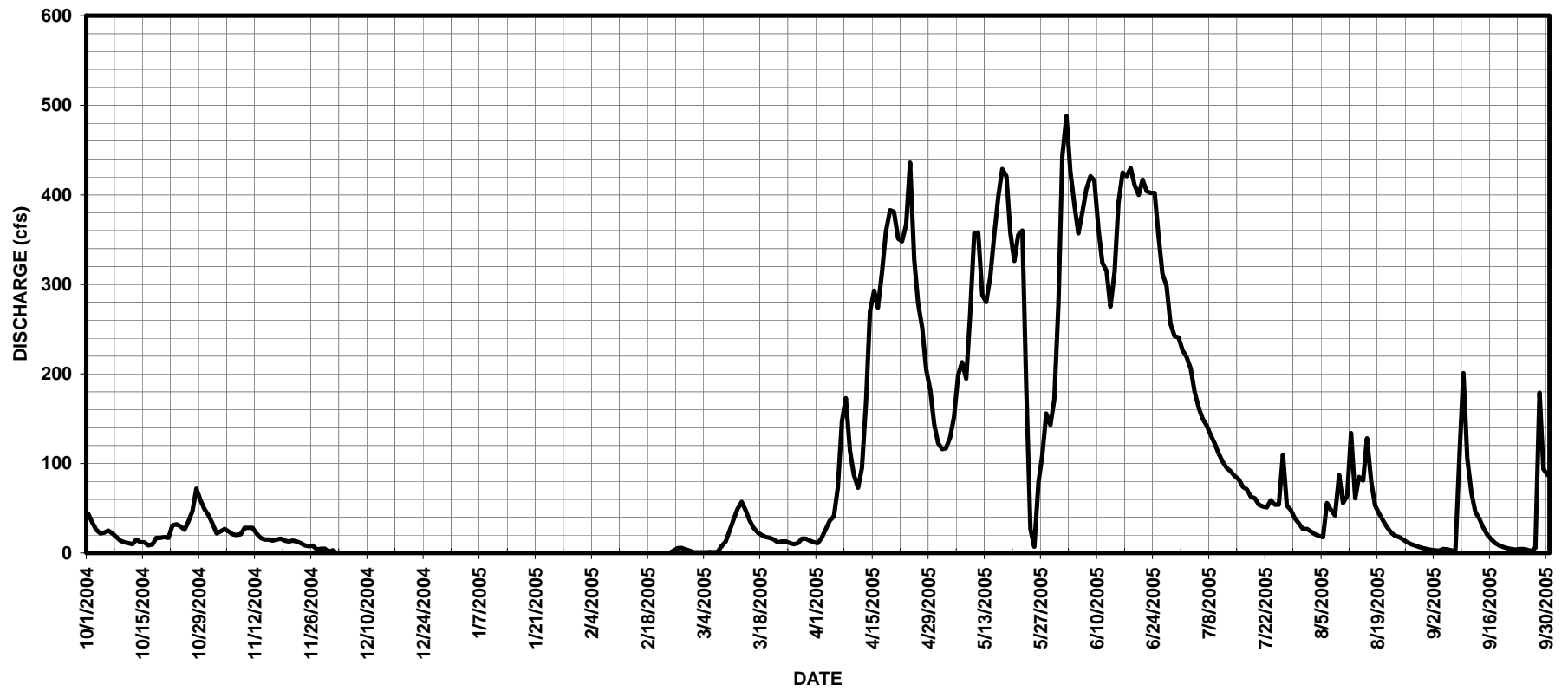
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	33	2.7	.00	.00	.56	11	123	443	226	27	3.4
2	34	22	.00	.00	.00	.56	17	116	488	219	24	2.8
3	26	24	.00	.00	.00	.58	27	117	426	206	21	2.4
4	22	27	.00	.00	.00	.55	36	129	388	180	19	4.3
5	23	24	.00	.00	.00	.80	41	152	357	162	18	3.9
6	25	21	.00	.00	.00	.69	73	199	381	150	56	2.7
7	22	20	.00	.00	.00	1.3	147	213	406	142	48	1.9
8	18	21	.00	.00	.00	7.7	173	195	421	132	42	103
9	14	28	.00	.00	.00	13	114	266	416	122	87	201
10	12	28	.00	.00	.00	25	87	357	361	111	56	106
11	11	28	.00	.00	.00	38	73	358	324	102	64	67
12	9.8	22	.00	.00	.00	49	95	288	315	95	134	46
13	15	17	.00	.00	.00	57	170	280	275	91	61	38
14	12	15	.00	.00	.00	48	270	309	314	86	85	28
15	12	15	.00	.00	.00	36	293	355	391	82	81	20
16	8.7	14	.00	.00	.00	28	274	399	425	74	128	15
17	9.7	15	.00	.00	.00	23	314	429	421	71	80	11
18	17	16	.00	.00	.00	20	359	421	430	63	53	8.4
19	17	14	.00	.00	.00	18	383	358	411	61	44	6.9
20	18	13	.00	.00	.00	17	381	326	400	54	36	5.4
21	17	14	.00	.00	.00	15	351	355	417	52	29	4.2
22	31	13	.00	.00	.00	12	348	360	404	51	23	3.6
23	32	11	.00	.00	.00	13	367	185	402	59	19	4.4
24	30	8.5	.00	.00	2.4	13	436	27	402	54	18	4.3
25	26	7.7	.00	.00	5.2	11	328	7.1	354	54	15	3.4
26	35	8.4	.00	.00	5.5	10	279	79	312	110	12	2.2
27	47	3.8	.00	.00	4.1	11	251	110	298	53	10	5.9
28	72	4.7	.00	.00	2.4	16	205	156	256	48	8.4	179
29	59	4.6	.00	.00	---	16	182	143	242	39	6.8	94
30	49	1.4	.00	.00	---	14	144	171	241	33	5.4	87
31	42	---	.00	.00	---	12	---	278	---	27	4.3	---
TOTAL	810.2	494.1	2.70	0.00	19.60	527.74	6229	7261.1	11121	3009	1314.9	1065.1
MEAN	26.1	16.5	.087	.000	.70	17	208	234	371	97	42.4	35.5
AC-FT	1610	980	5.4	.00	39	1050	12360	14400	22060	5970	2610	2110
MAX	72	33	2.7	.00	5.5	57	436	429	488	226	134	201
MIN	8.7	1.4	.00	.00	.00	.55	11	7.1	241	27	4.3	1.9

CAL YR	2004	TOTAL	21319.93	MEAN	58.3	MAX	388	MIN	.00	AC-FT	42290
WTR YR	2005	TOTAL	31854.44	MEAN	87.3	MAX	488	MIN	.00	AC-FT	63180

MAX DISCH: 747 CFS AT 20:15 ON Jun. 1, 2005 GH 5.65 FT. SHIFT .00 FT.
MAX GH: 5.65 FT. AT 20:15 ON Jun. 1, 2005

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

BLANCO DIVERSION NEAR PAGOSA SPRINGS CO
WY2005 HYDROGRAPH



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 mi². March 1971 to current year.

GAGE.--Graphic water-stage recorder with a Sutron high data rate Satlink DCP and shaft encoder 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, 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.--Record from the DCP is complete. Any data missing from the initial satellite transmissions was filled in from the DCP's logger files. Movement of the shaft encoder float is restricted above 4.43 ft. Data for the record periods above 4.43 ft. were filled in from the chart record on May 19-21 and 23-25, 2005. The record is reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 29-30; Dec. 1-8 and 23-27, 2004; Jan. 13-18 and 20-31; Feb. 1-5 and 9-10, 2005. Record good except for estimated daily discharges, which are poor, and periods of flow above 65 cfs which are fair. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--RIOBLACO06 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	22	e19	20	e24	22	22	41	316	21	21	22
2	22	21	e19	20	e24	22	22	41	219	21	21	22
3	21	22	e20	19	e24	22	22	40	97	21	21	22
4	22	22	e22	20	e22	22	23	39	27	21	21	23
5	22	22	e22	17	e24	23	23	41	36	23	21	22
6	22	22	e24	21	25	23	23	43	37	25	21	21
7	22	22	e24	20	25	25	23	43	30	24	20	21
8	22	22	e24	18	25	25	22	43	30	21	20	22
9	22	22	24	19	e24	23	21	45	24	22	20	103
10	22	22	24	26	e24	23	21	44	24	24	20	106
11	22	23	25	25	24	21	22	41	23	23	21	22
12	22	22	30	20	30	22	23	41	23	22	20	22
13	24	22	34	e18	29	22	23	42	23	23	20	22
14	24	22	33	e18	27	21	24	42	23	22	20	23
15	22	22	31	e18	26	22	23	49	45	22	20	23
16	21	22	29	e20	26	23	23	127	88	22	21	23
17	21	22	26	e20	25	23	23	138	60	22	20	22
18	21	22	26	e20	25	22	34	142	32	22	20	22
19	21	21	25	21	25	22	37	474	40	22	21	22
20	21	21	26	e20	25	22	24	685	30	22	21	22
21	21	21	25	e22	24	22	22	745	26	22	21	22
22	21	21	23	e22	24	22	22	564	22	22	21	21
23	21	21	e16	e26	24	22	42	798	23	22	21	21
24	21	21	e16	e26	21	22	47	939	22	21	21	20
25	21	22	e18	e26	18	22	23	977	21	21	21	20
26	21	22	e20	e26	18	22	23	619	21	21	22	21
27	22	22	e20	e26	17	22	23	493	21	21	23	21
28	22	22	20	e24	20	22	22	381	21	22	24	59
29	22	e21	22	e24	---	22	22	475	22	21	23	22
30	22	e20	26	e24	---	22	27	592	21	21	23	22
31	22	---	22	e24	---	22	---	423	---	21	23	---
TOTAL	674	651	735	670	669	692	751	9207	1447	680	653	856
MEAN	21.7	21.7	23.7	21.6	23.9	22.3	25.0	297	48.2	21.9	21.1	28.5
AC-FT	1340	1290	1460	1330	1330	1370	1490	18260	2870	1350	1300	1700
MAX	24	23	34	26	30	25	47	977	316	25	24	106
MIN	21	20	16	17	17	21	21	39	21	21	20	20

CAL YR	2004	TOTAL	9586	MEAN	26.2	MAX	850	MIN	10	AC-FT	19010
WTR YR	2005	TOTAL	17685	MEAN	48.5	MAX	977	MIN	16	AC-FT	35080

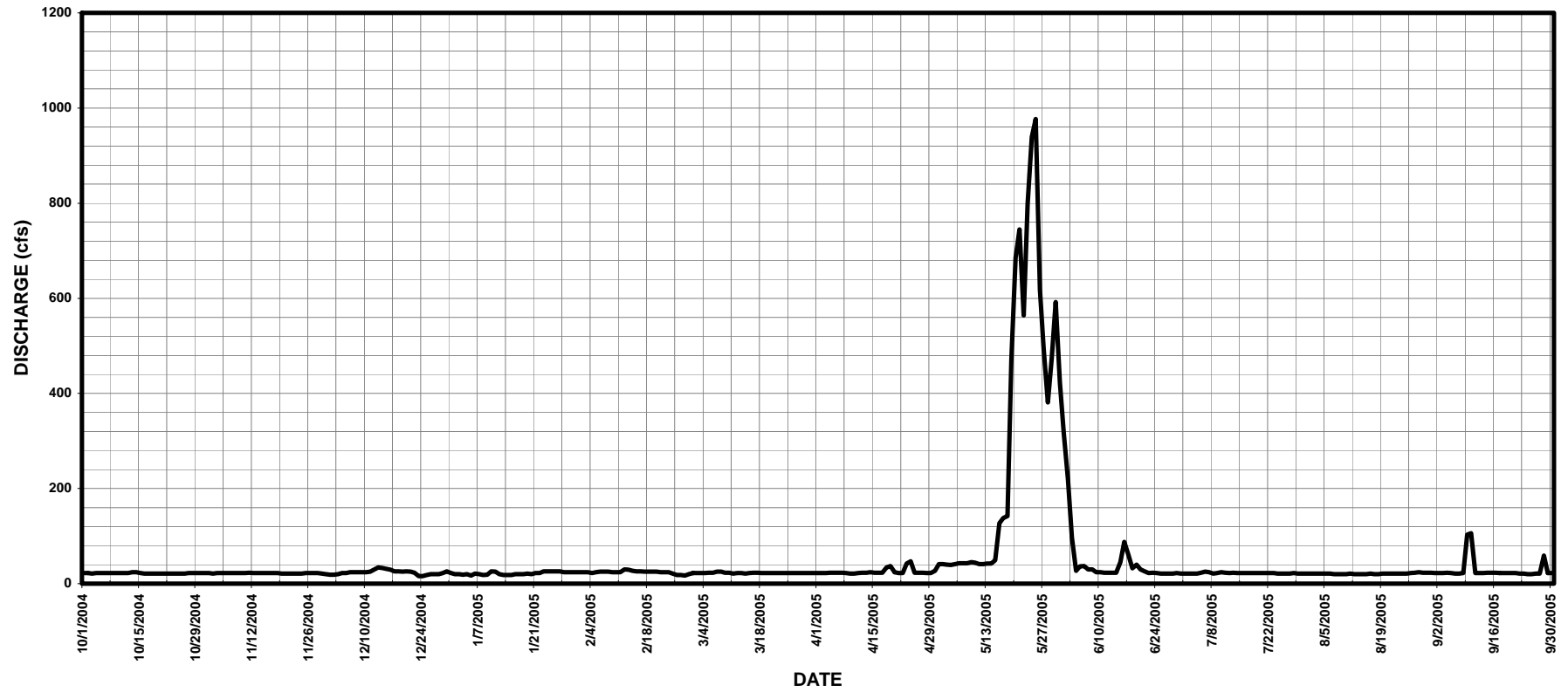
MAX DISCH: Undetermined

MAX GH: 4.75 FT. AT 17:00 ON May. 22, 2005

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

e-Estimated

09343300 RIO BLANCO BELOW BLANCO DIVERSION DAM NEAR PAGOSA SPRINGS CO
WY2005 HYDROGRAPH



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 8210 DCP with shaft encoder on separate floats in a 42 inch CMP shelter and well. The Sutron 8210 DCP was replaced with a Sutron Satlink HDR DCP on Sep. 12, 2005. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete except for the following periods: Aug. 20-26 and Sep. 10-12, 2005 when the inlets were plugged. Record is reliable except for the following periods: stage-discharge relationship affected by ice: Nov. 30; Dec. 1-31, 2004; Jan. 1-31; Feb. 1-24, 2005. Record fair except for the estimated periods and flows above 250 cfs, which are poor. Station maintained by Val Valentine and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--RIOMOUCO03 USED FROM 01-OCT-2004 TO 30-SEP-2005

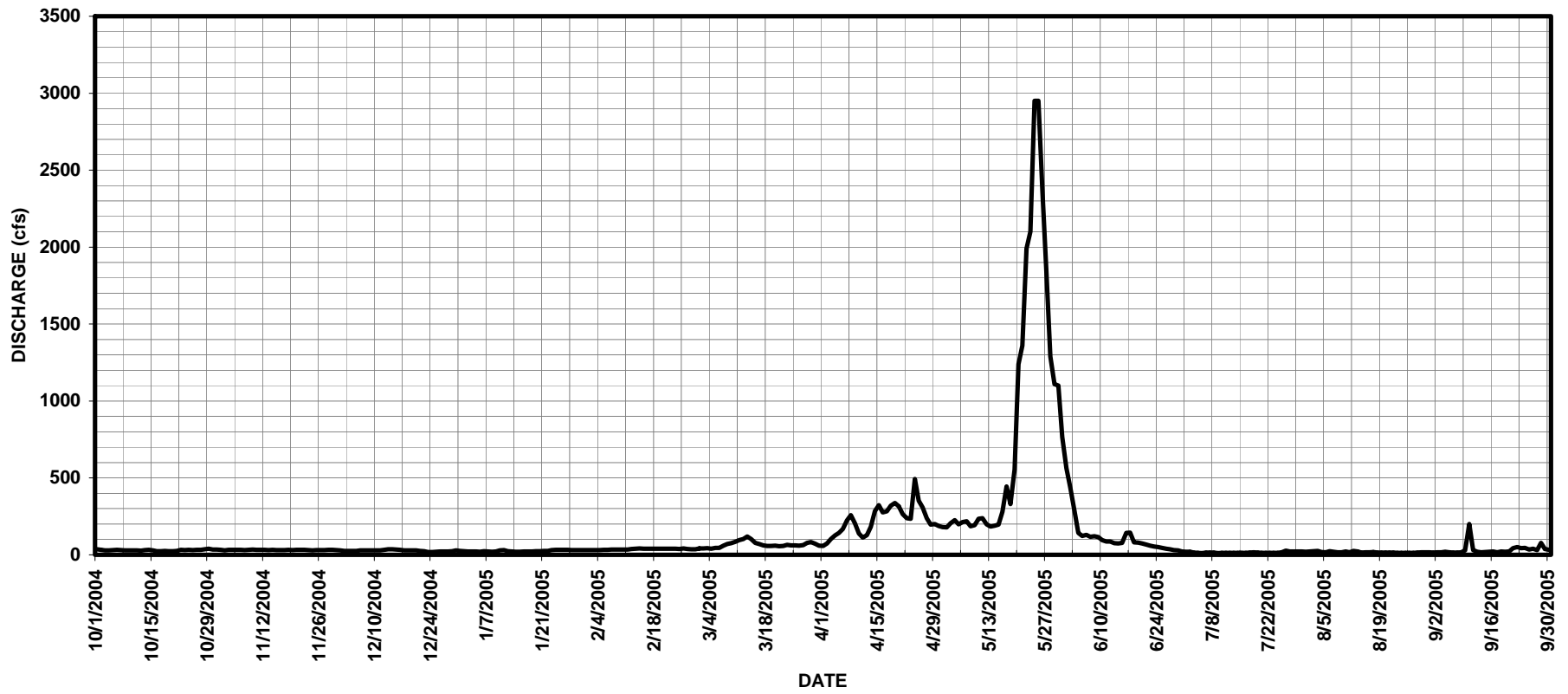
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	33	e28	e24	e30	42	57	181	564	20	22	15
2	32	28	e26	e22	e30	41	74	179	437	19	23	16
3	29	32	e26	e22	e30	43	103	206	286	14	25	16
4	28	33	e26	e22	e30	39	126	226	143	12	18	19
5	31	33	e26	e20	e32	45	142	198	122	11	17	16
6	33	32	e28	e24	e32	45	168	213	130	15	23	15
7	31	31	e28	e22	e34	59	224	218	117	15	20	14
8	29	32	e28	e20	e34	71	258	185	120	15	17	16
9	28	34	e28	e22	e34	76	204	192	115	11	16	28
10	29	33	e28	e28	e34	85	139	234	95	13	22	e200
11	28	32	e28	e30	e34	96	112	238	86	13	17	e30
12	27	32	e32	e24	e38	103	128	199	86	13	26	e20
13	31	31	e36	e22	e40	119	182	183	75	12	21	17
14	32	32	e36	e20	e42	102	285	190	73	13	15	18
15	28	31	e34	e20	e40	77	322	197	78	12	16	19
16	23	31	e32	e22	e40	70	276	279	142	13	17	22
17	23	31	e28	e22	e40	62	283	445	144	15	18	17
18	25	32	e28	e22	e40	58	319	330	81	17	14	22
19	24	31	e28	e24	e40	58	336	555	79	15	14	19
20	23	32	e28	e24	e40	59	316	1240	73	13	e14	21
21	25	33	e26	e26	e40	56	264	1360	66	12	e14	43
22	33	32	e24	e26	e40	58	238	1990	59	12	e14	50
23	31	30	e18	e30	e40	64	234	2100	54	12	e13	43
24	32	28	e18	e32	e38	62	494	2950	50	13	e13	45
25	31	31	e20	e32	41	62	352	2950	45	16	e12	34
26	32	31	e22	e32	38	59	308	2380	40	27	e12	39
27	32	30	e22	e32	36	63	237	1830	36	22	12	30
28	36	33	e22	e30	36	78	196	1290	30	22	15	78
29	39	32	e24	e30	---	83	200	1110	28	21	17	37
30	35	e30	e28	e30	---	72	187	1100	22	21	16	32
31	35	---	e26	e30	---	60	---	766	---	19	16	---
TOTAL	931	946	832	786	1023	2067	6764	25714	3476	478	529	991
MEAN	30.0	31.5	26.8	25.4	36.5	66.7	225	829	116	15.4	17.1	33.0
AC-FT	1850	1880	1650	1560	2030	4100	13420	51000	6890	948	1050	1970
MAX	39	34	36	32	42	119	494	2950	564	27	26	200
MIN	23	28	18	20	30	39	57	179	22	11	12	14
CAL YR 2004	TOTAL	16838.3	MEAN	46.0	MAX	1220	MIN	6.3	AC-FT	33400		
WTR YR 2005	TOTAL	44537	MEAN	122	MAX	2950	MIN	11	AC-FT	88330		

MAX DISCH: Undetermined
MAX GH: 5.78 FT. AT 01:15 ON May. 22, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e--Estimated

RIO BLANCO AT MOUTH NEAR TRUJILLO CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Graphic water stage-recorder and a Sutron 8200 DCP in a 48-inch wood shelter and well. Also equipped with an air temperature sensor. The Sutron 8200 DCP was replaced with a Sutron Satlink HDR DCP on Sep. 13, 2005. The DCP record is the primary record. Datum of gage is 7,939.3 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

REMARKS.--Record is complete. It is reliable, except for the following periods: Stage-discharge relationship affected by ice: Nov. 27; Dec. 1-4, 10, 15, 17, 19-20 and 22-26, 2004; Jan. 12-20, 22-24, 29 and 31; Feb. 2-5, 9-10 and 27-28; Mar. 2-4, 17 and 31, 2005. Inlets from river to gage left closed Sep. 13 to Sep. 27, 2005. Record fair except for the winter period and estimated period, which are poor. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--NAVBANCO23 USED FROM 01-OCT-2004 TO 30-SEP-2005

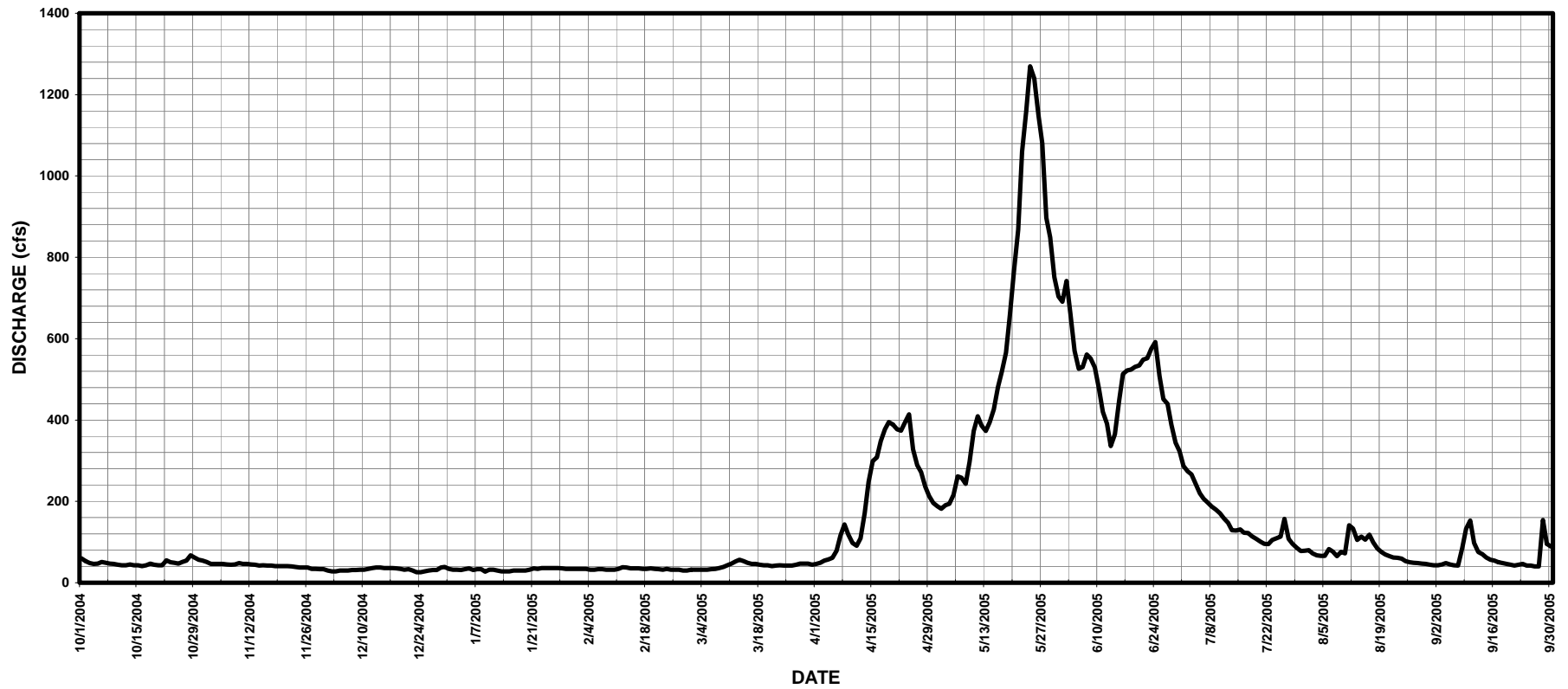
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	51	e30	32	34	32	46	188	691	287	80	43
2	53	46	e28	32	e34	e32	49	182	742	274	72	43
3	48	46	e28	31	e34	e32	54	191	661	266	67	45
4	46	46	e30	33	e32	e32	57	194	570	243	66	48
5	47	46	30	35	e32	32	61	216	526	220	66	45
6	51	45	30	31	33	33	79	261	530	206	83	43
7	49	44	31	33	33	34	116	258	561	197	77	42
8	47	45	31	33	32	36	143	243	551	187	65	85
9	46	48	32	27	e32	39	118	297	529	180	76	132
10	44	46	e32	32	e32	43	98	373	477	170	72	153
11	43	46	34	32	34	47	91	409	420	158	141	98
12	43	45	36	e30	38	52	109	386	391	147	133	75
13	45	44	37	e28	37	56	171	373	336	129	105	e70
14	43	42	37	e28	35	53	248	394	365	128	113	e62
15	43	43	e36	e28	35	49	299	426	446	131	106	e56
16	41	42	36	e30	35	46	308	481	513	123	118	e54
17	43	42	e36	e30	34	e46	348	519	522	122	99	e50
18	47	41	35	e30	34	44	377	566	524	114	84	e48
19	44	41	e34	e30	35	43	395	658	531	108	75	e46
20	43	41	e32	e32	34	43	389	768	534	101	69	e44
21	43	41	33	35	33	41	377	868	548	96	65	e42
22	55	40	e30	e34	32	42	374	1060	552	95	62	e44
23	50	39	e26	e36	34	43	395	1160	575	105	61	e46
24	49	37	e26	e36	32	42	414	1270	592	109	59	e42
25	47	37	e28	36	32	42	328	1240	508	113	53	e42
26	51	37	e30	36	32	42	289	1150	451	157	50	e40
27	54	e34	31	36	e30	44	272	1080	440	108	49	e40
28	67	34	31	35	e30	47	236	897	388	96	48	154
29	62	33	37	e34	---	47	213	849	344	86	47	96
30	56	33	39	34	---	47	196	751	323	78	46	89
31	54	---	34	e34	---	e44	---	704	---	79	44	---
TOTAL	1514	1255	1000	1003	934	1305	6650	18412	15141	4613	2351	1917
MEAN	48.8	41.8	32.3	32.4	33.4	42.1	222	594	505	149	75.8	63.9
AC-FT	3000	2490	1980	1990	1850	2590	13190	36520	30030	9150	4660	3800
MAX	67	51	39	36	38	56	414	1270	742	287	141	154
MIN	41	33	26	27	30	32	46	182	323	78	44	40
CAL YR 2004	TOTAL	31035	MEAN	84.8	MAX	342	MIN	26	AC-FT	61560		
WTR YR 2005	TOTAL	56095	MEAN	154	MAX	1270	MIN	26	AC-FT	111300		

MAX DISCH: 1450 CFS AT 22:15 ON May. 24, 2005 GH 4.10 FT. SHIFT 0.07 FT.
MAX GH: 4.10 FT. AT 22:15 ON May. 24, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09344000 NAVAJO RIVER AT BANDED PEAK RANCH NEAR CHROMO CO
WY2005 HYDROGRAPH



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.--Records are complete and reliable. Record good. Station maintained by the USBR and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--OSODIVCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

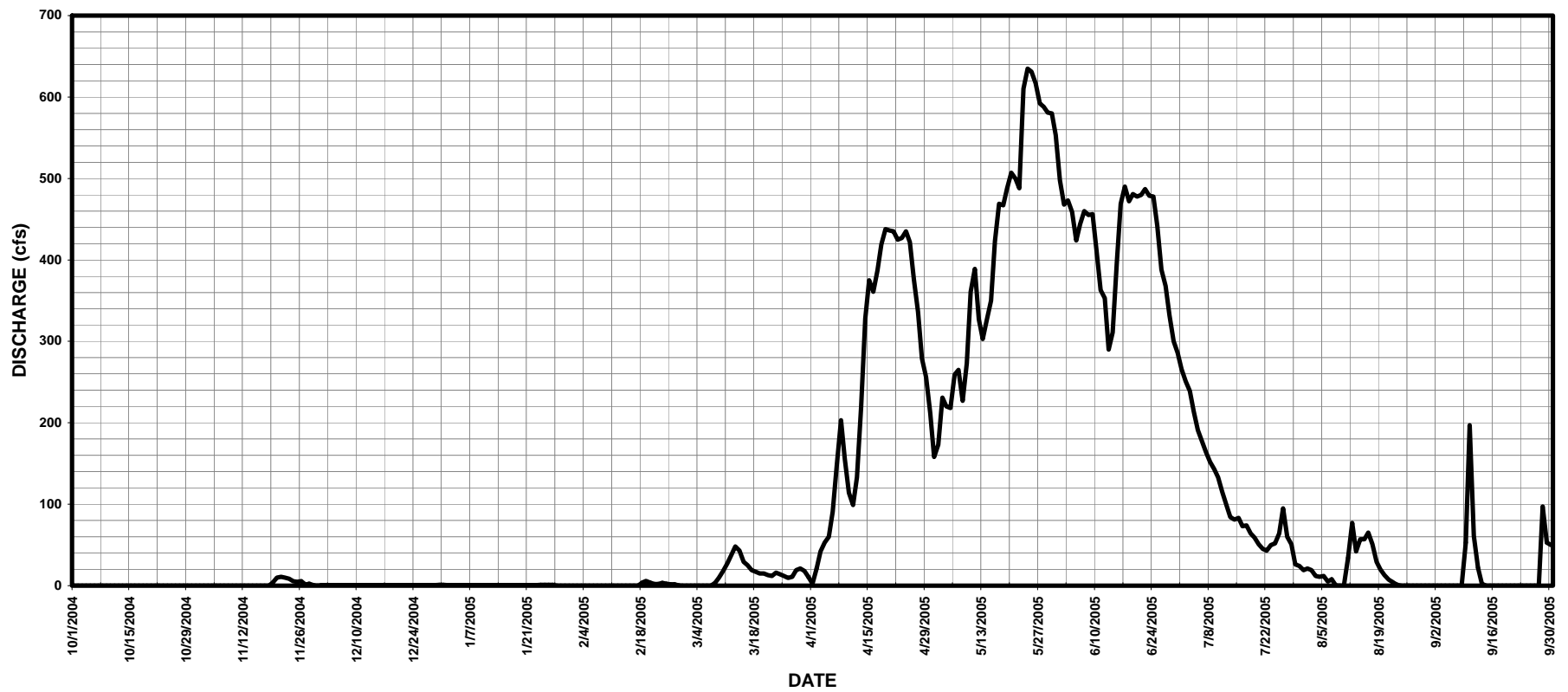
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.71	.82	.00	.00	2.4	158	498	266	21	.00
2	.00	.00	.83	.82	.00	.00	21	173	468	251	19	.00
3	.00	.00	.74	.82	.00	.00	42	231	473	239	12	.00
4	.00	.00	.75	.79	.00	.00	53	220	459	214	11	.00
5	.00	.00	.77	.82	.00	.00	60	218	424	191	12	.00
6	.00	.00	.82	.83	.00	.00	91	259	444	177	5.2	.00
7	.00	.00	.82	.82	.00	.00	149	265	460	164	7.9	.00
8	.00	.00	.82	.82	.00	3.5	203	227	455	152	.37	.00
9	.00	.00	.83	.82	.00	10	156	273	456	143	.00	53
10	.00	.00	.71	.82	.00	18	114	361	412	133	.00	197
11	.00	.00	.64	.82	.00	27	99	389	363	115	34	61
12	.00	.00	.64	.83	.00	38	133	327	353	99	77	22
13	.00	.00	.80	.82	.00	48	219	303	290	84	42	2.3
14	.00	.00	.82	.82	.00	43	328	327	311	81	57	.00
15	.00	.00	.82	.78	.00	29	375	350	397	83	57	.00
16	.00	.00	.83	.76	.00	25	361	423	469	73	65	.00
17	.00	.00	.82	.80	.00	19	387	469	490	74	51	.00
18	.00	.00	.82	.82	3.7	17	419	467	472	64	29	.00
19	.00	3.8	.78	.82	5.8	15	438	488	481	59	20	.00
20	.00	10	.82	.83	3.6	15	436	507	478	51	13	.00
21	.00	11	.82	.82	2.2	13	435	500	480	45	7.6	.00
22	.00	10	.82	.82	2.0	12	425	488	487	43	4.4	.00
23	.00	8.5	.81	.82	3.5	16	427	610	479	50	1.3	.00
24	.00	5.4	.75	.89	2.5	14	435	635	478	52	.00	.00
25	.00	4.9	.72	1.0	1.6	12	422	631	442	64	.00	.00
26	.00	5.3	.82	1.0	1.7	9.5	376	617	388	95	.00	.00
27	.00	1.4	.82	.90	.31	11	336	592	368	60	.00	.00
28	.00	2.4	.82	.00	.05	19	279	588	332	51	.00	97
29	.00	.68	.81	.00	---	21	256	581	300	26	.00	53
30	.00	.05	1.0	.00	---	18	212	580	286	24	.00	50
31	.00	---	.94	.00	---	11	---	553	---	19	.00	---
TOTAL	0.00	63.43	24.72	22.53	26.96	464.00	7689.4	12810	12693	3242	546.77	535.30
MEAN	.000	2.11	.80	.73	.96	15.0	256	413	423	105	17.6	17.8
AC-FT	.00	126	49	45	53	920	15250	25410	25180	6430	1080	1060
MAX	.00	11	1.0	1.0	5.8	48	438	635	498	266	77	197
MIN	.00	.00	.64	.00	.00	.00	2.4	158	286	19	.00	.00

CAL YR	2004	TOTAL	17799.17	MEAN	48.6	MAX	340	MIN	.00	AC-FT	35300
WTR YR	2005	TOTAL	38118.11	MEAN	104	MAX	635	MIN	.00	AC-FT	75610

MAX DISCH: 653 CFS AT 22:00 ON May. 21, 2005 GH 4.55 FT. SHIFT .00 FT.
MAX GH: 4.55 FT. AT 22:00 ON May. 21, 2005

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

OSO DIVERSION NEAR CHROMO CO WY2005 HYDROGRAPH



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 mi². 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 Sutron 8200 DCP was replaced with a Sutron Satlink HDR DCP on Sep. 13, 2005. The DCP is the primary record. Datum of gage is 7,665.30 ft above mean sea level.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions were filled in from the DCP's logger files. The record is reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 30; Dec. 1-4, 6-8 and 23-27, 2004; Jan. 12-18; Feb. 2-4 and 9-10, 2005. Indefinite stage-discharge relationship May 20-22, 2005 when trash and debris were trapped under a footbridge attached to the flume. Record good, except for estimated flows, which are poor, and periods of flow above 140 cfs which are poor. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--NAVOSOCO04 USED FROM 01-OCT-2004 TO 30-SEP-2005

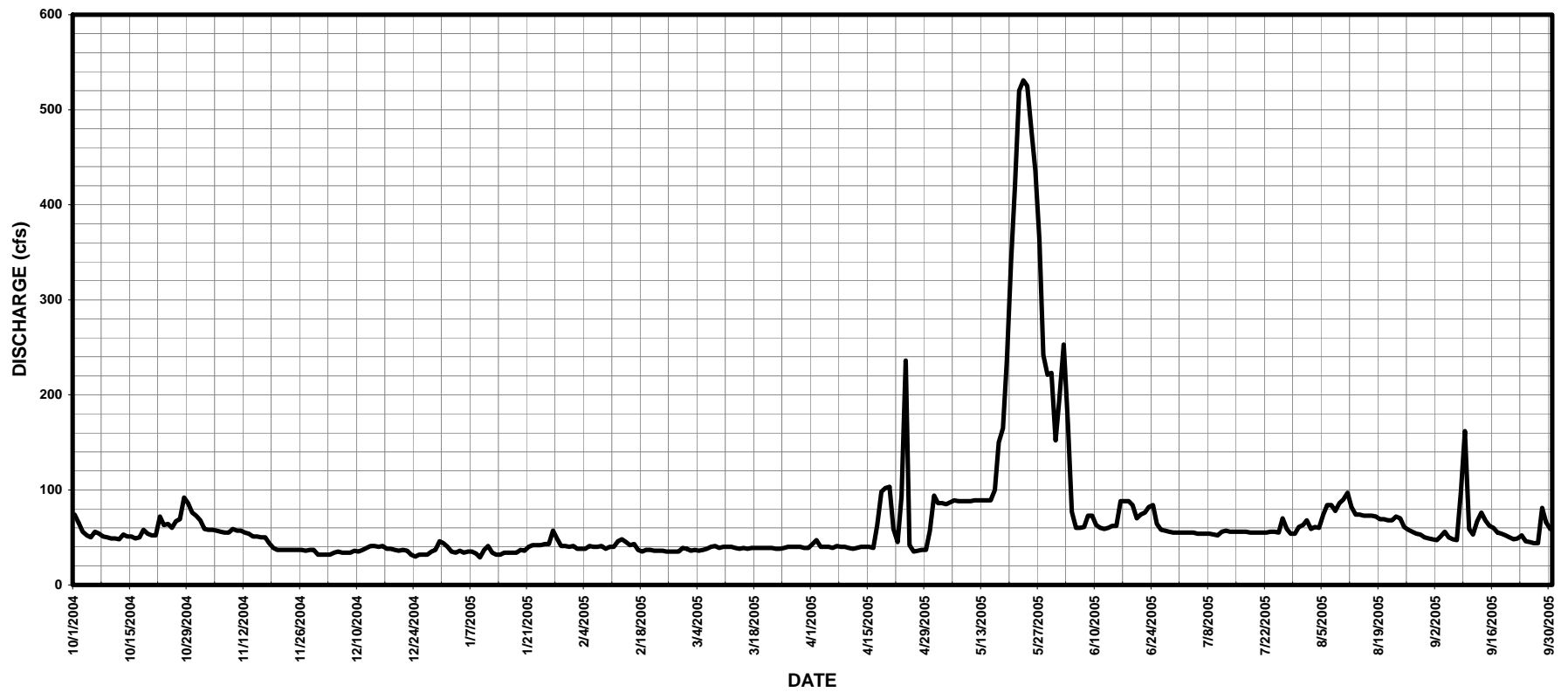
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	68	e32	40	41	38	43	94	198	55	68	48
2	65	59	e32	35	e38	36	47	86	253	55	59	47
3	56	58	e32	34	e38	37	40	86	170	55	61	51
4	52	58	e34	36	e38	36	40	85	77	55	60	56
5	50	57	35	34	41	37	40	87	60	54	74	50
6	56	56	e34	35	40	38	39	89	60	54	84	48
7	54	55	e34	35	40	40	41	88	61	54	84	47
8	51	55	e34	33	41	41	40	88	73	54	78	99
9	50	59	36	29	e38	39	40	88	73	53	86	162
10	49	57	35	37	e40	40	39	88	63	52	90	59
11	49	57	37	41	40	40	38	89	60	56	97	53
12	48	55	39	e34	46	40	39	89	59	57	82	67
13	53	54	41	e32	48	39	40	89	60	56	74	76
14	51	51	41	e32	45	38	40	89	62	56	74	68
15	51	51	40	e34	42	39	40	89	62	56	73	62
16	49	50	41	e34	43	38	39	100	88	56	73	60
17	50	50	38	e34	37	39	63	150	88	56	73	55
18	58	44	38	e34	35	39	98	165	88	55	72	54
19	54	39	37	37	37	39	102	236	84	55	69	52
20	52	37	36	36	37	39	103	e340	70	55	69	50
21	52	37	37	40	36	39	59	e420	74	55	68	48
22	72	37	36	42	36	39	45	e520	76	55	68	49
23	63	37	e32	42	36	38	93	531	82	56	72	52
24	64	37	e30	42	35	38	236	525	84	56	70	46
25	60	37	e32	43	35	39	42	478	64	55	61	45
26	67	37	e32	43	35	40	35	436	58	70	58	44
27	69	36	e32	57	35	40	36	363	57	59	56	44
28	92	37	35	49	39	40	37	242	56	54	54	81
29	86	37	37	41	---	40	37	221	55	54	53	66
30	76	e32	46	41	---	39	57	223	55	61	50	59
31	73	---	44	40	---	39	---	152	---	63	49	---
TOTAL	1846	1434	1119	1176	1092	1203	1688	6426	2470	1737	2159	1798
MEAN	60	48	36	38	39	39	56	207	82	56	70	60
AC-FT	3660	2840	2220	2330	2170	2390	3350	12750	4900	3450	4280	3570
MAX	92	68	46	57	48	41	236	531	253	70	97	162
MIN	48	32	30	29	35	36	35	85	55	52	49	44
CAL YR 2004	TOTAL	17512	MEAN	47.8	MAX	321	MIN	23	AC-FT	34740		
WTR YR 2005	TOTAL	24148	MEAN	66.2	MAX	531	MIN	29	AC-FT	47900		

MAX DISCH: 1010 CFS AT 22:30 ON May. 22, 2005 GH 4.57 FT. SHIFT 0.02 FT.
MAX GH: 4.57 FT. AT 22:30 ON May. 22, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09344400 NAVAJO RIVER BELOW OSO DIVERSION DAM NEAR CHROMO CO
WY2005 HYDROGRAPH



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. March 1971 to current year.

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.--Records are complete and reliable. Record good. Station maintained by the USBR and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--LOSODVCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

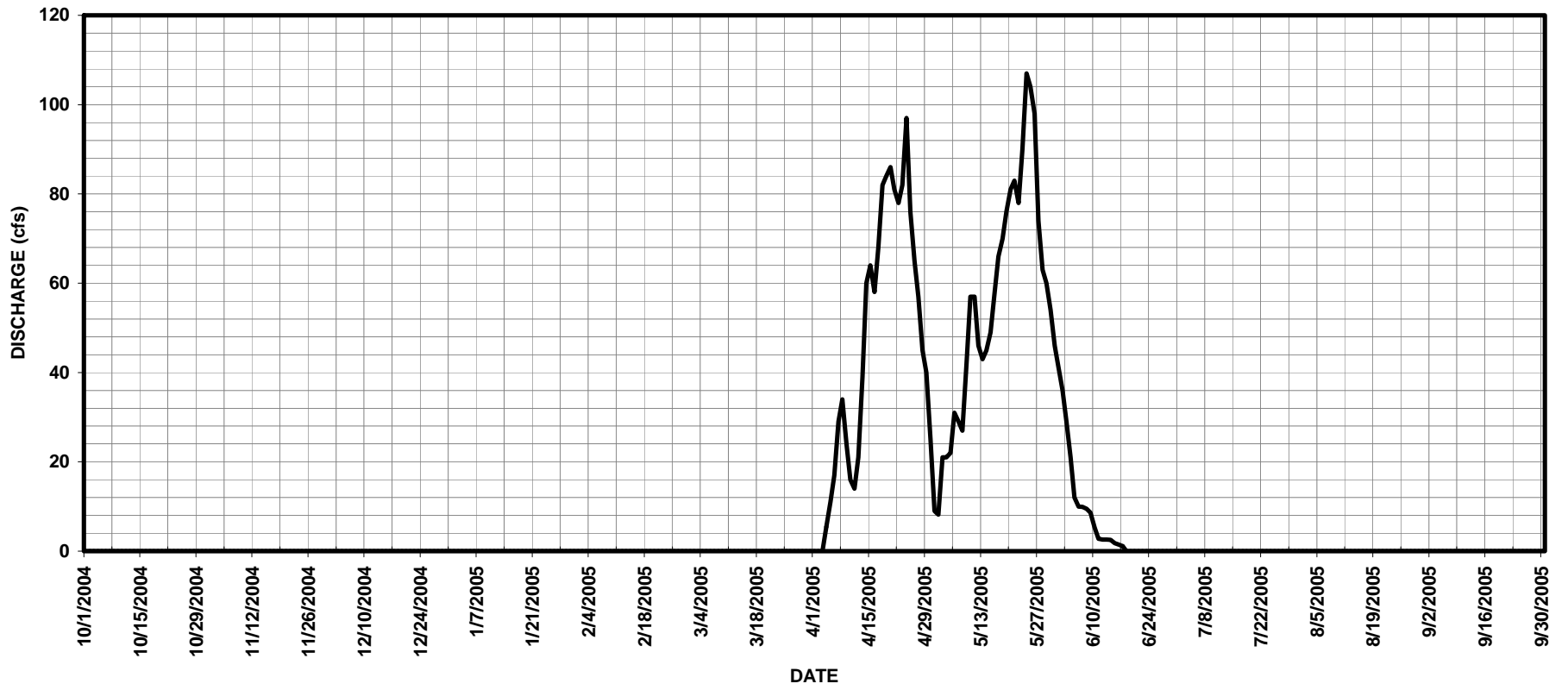
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	9.0	41	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	8.2	36	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	21	29	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	5.4	21	21	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	11	22	12	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	17	31	10	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	29	29	9.9	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	34	27	9.5	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	24	42	8.6	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	16	57	5.3	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	14	57	2.8	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	21	46	2.6	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	39	43	2.6	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	60	45	2.5	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	64	49	1.8	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	58	58	1.5	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	68	66	1.1	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	82	70	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	84	76	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	86	81	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	81	83	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	78	78	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	82	90	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	97	107	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	76	104	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	65	98	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	57	74	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	45	63	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	40	60	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	25	54	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	46	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	1358.40	1715.2	197.20	0.00	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.000	45.3	55.3	6.57	.000	.000	.000
AC-FT	.00	.00	.00	.00	.00	.00	2690	3400	391	.00	.00	.00
MAX	.00	.00	.00	.00	.00	.00	97	107	41	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	8.2	.00	.00	.00	.00

CAL YR 2004	TOTAL	1056.71	MEAN	2.89	MAX	36	MIN	.00	AC-FT	2100
WTR YR 2005	TOTAL	3270.80	MEAN	8.96	MAX	107	MIN	.00	AC-FT	6490

MAX DISCH: 155 CFS AT 17:30 ON May. 23, 2005 GH 3.22 FT. SHIFT .00 FT.
MAX GH: 3.22 FT. AT 17:30 ON May. 23, 2005

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

LITTLE OSO DIVERSION NEAR CHROMO CO
WY2005 HYDROGRAPH



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 and shaft encoder 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. The Sutron 8200 DCP was replaced on Sept. 13, 2005 with a Sutron high data rate DCP.

REMARKS.--The record is complete. Record is reliable except for the following periods: stage-discharge relationship affected by ice on Nov. 27 and 30; Dec. 1, 2004. Floats frozen in ice in the well Dec. 2 to 26, 2004. Shaft encoder hung up and recorder not inking properly Aug. 14 and 16, 2005. Record fair, except for estimated daily flows, which are poor. Station maintained by Sherry Schutz and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--LITOSOCO01 USED FROM 01-OCT-2004 TO 30-SEP-2004

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

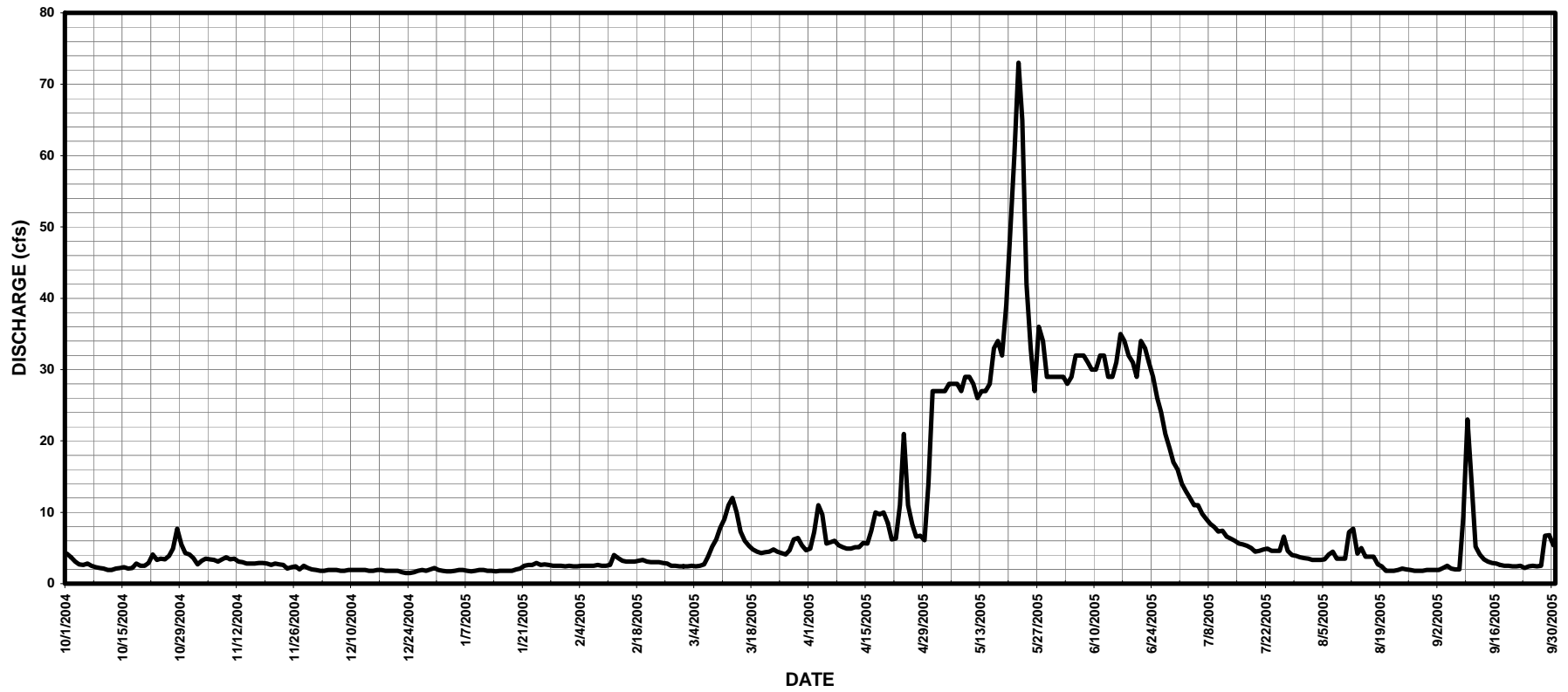
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	3.6	e1.9	1.8	2.5	2.4	4.9	27	29	14	3.5	1.9
2	3.7	2.7	e1.8	1.7	2.4	2.4	7.2	27	29	13	3.3	1.9
3	3.1	3.2	e1.8	1.7	2.4	2.5	11	27	28	12	3.3	2.2
4	2.7	3.5	e1.9	1.8	2.5	2.4	9.7	27	29	11	3.3	2.5
5	2.6	3.4	e1.9	1.9	2.5	2.5	5.6	28	32	11	3.4	2.1
6	2.8	3.3	e1.9	1.9	2.5	2.7	5.8	28	32	9.8	4.1	2.0
7	2.5	3.1	e1.8	1.8	2.5	3.8	6.0	28	32	9.1	4.5	2.0
8	2.3	3.4	e1.8	1.7	2.6	5.2	5.4	27	31	8.4	3.5	9.4
9	2.2	3.7	e1.9	1.8	2.5	6.2	5.1	29	30	7.9	3.5	23
10	2.1	3.4	e1.9	1.9	2.5	7.8	4.9	29	30	7.3	3.5	14
11	1.9	3.5	e1.9	1.9	2.6	9.0	4.9	28	32	7.4	7.2	5.2
12	1.9	3.1	e1.9	1.8	4.0	11	5.1	26	32	6.6	7.7	4.1
13	2.1	3.0	e1.9	1.8	3.6	12	5.1	27	29	6.3	4.2	3.4
14	2.2	2.8	e1.8	1.7	3.2	10	5.7	27	29	6.0	e5.0	3.1
15	2.3	2.8	e1.8	1.8	3.1	7.3	5.6	28	31	5.6	3.8	2.9
16	2.1	2.8	e1.9	1.8	3.1	6.0	7.4	33	35	5.5	e3.8	2.8
17	2.2	2.9	e1.9	1.8	3.1	5.3	10	34	34	5.3	3.8	2.6
18	2.8	2.9	e1.8	1.8	3.2	4.8	9.7	32	32	5.0	2.7	2.5
19	2.5	2.8	e1.8	2.0	3.3	4.5	10	39	31	4.5	2.4	2.5
20	2.5	2.6	e1.8	2.1	3.1	4.3	8.5	49	29	4.6	1.8	2.4
21	2.9	2.8	e1.8	2.5	3.0	4.4	6.2	60	34	4.8	1.8	2.4
22	4.1	2.7	e1.6	2.6	3.0	4.5	6.3	73	33	4.9	1.8	2.5
23	3.3	2.6	e1.5	2.6	3.0	4.8	11	65	31	4.6	1.9	2.2
24	3.5	2.1	e1.5	2.9	2.9	4.5	21	42	29	4.6	2.1	2.4
25	3.4	2.3	e1.6	2.6	2.8	4.3	11	33	26	4.6	2.0	2.5
26	3.9	2.4	e1.8	2.7	2.5	4.1	8.3	27	24	6.6	1.9	2.4
27	4.9	e2.0	1.9	2.6	2.5	4.7	6.6	36	21	4.6	1.8	2.5
28	7.7	2.5	1.8	2.5	2.4	6.2	6.7	34	19	4.0	1.8	6.7
29	5.5	2.2	2.0	2.5	---	6.4	6.1	29	17	3.9	1.8	6.8
30	4.3	e2.0	2.2	2.5	---	5.4	14	29	16	3.7	1.9	5.4
31	4.1	---	1.9	2.4	---	4.7	---	29	---	3.6	1.9	---
TOTAL	98.3	86.1	56.7	64.9	79.3	166.1	234.8	1057	866	210.2	99.0	128.3
MEAN	3.17	2.87	1.83	2.09	2.83	5.36	7.83	34.1	28.9	6.78	3.19	4.28
AC-FT	195	171	112	129	157	329	466	2100	1720	417	196	254
MAX	7.7	3.7	2.2	2.9	4.0	12	21	73	35	14	7.7	23
MIN	1.9	2.0	1.5	1.7	2.4	2.4	4.9	26	16	3.6	1.8	1.9

CAL YR	2004	TOTAL	1889.26	MEAN	5.16	MAX	32	MIN	0.58	AC-FT	3750
WTR YR	2005	TOTAL	3146.7	MEAN	8.62	MAX	73	MIN	1.5	AC-FT	6240

MAX DISCH: 95.2 CFS AT 21:30 ON Sep. 8, 2005 GH 2.68 FT. SHIFT -0.01 FT.
MAX GH: 2.75 FT. AT 20:30 ON May. 22, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09345200 LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO CO
WY2005 HYDROGRAPH



SAN JUAN RIVER BASIN

09362750 FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°25'36", long 107°40'28", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--50.9 mi².

GAGE.--Graphic water stage-recorder and a Sutron 8200 DCP with a shaft encoder on a separate float in a 42" corrugated metal shelter and well. Also equipped with a Sutron air temperature sensor. The gage was moved to a concrete shelter and well located 70 feet downstream on Oct. 8, 2004. The Sutron 8200 DCP was replaced with a Sutron HDR DCP on April 14, 2005. The DCP record is the primary record. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--The record is complete. Record is reliable except for the following periods: stage-discharge relationship affected by ice Dec. 3, 17-20, 22, 24-25 and 29, 2004; Jan. 5-6 and 9-14; Feb. 2, 9-10, 21 and 27-28; Mar. 2, 2005. Inlets partially plugged May 24-25, 2005. Record good, except for estimated daily discharges, which are poor. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--FLOALECO06 USED FROM 01-OCT-2004 TO 08-OCT-2004
 FLOALECO07 USED FROM 08-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

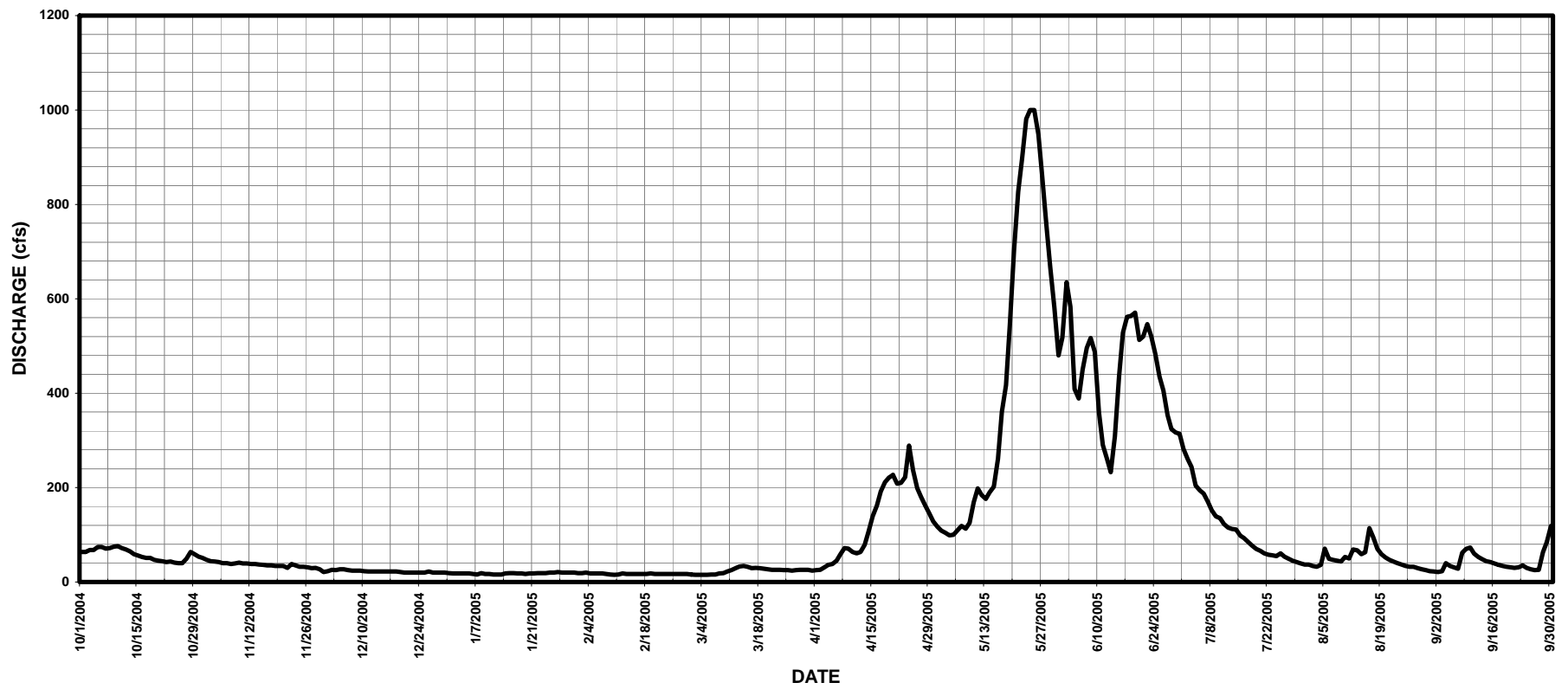
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	47	23	18	19	16	25	117	518	282	37	22
2	64	44	26	18	e19	e15	26	109	635	261	34	21
3	68	43	e25	18	20	15	31	104	583	244	32	23
4	68	42	27	18	18	15	36	99	409	204	36	40
5	74	40	27	e18	18	15	38	100	389	194	71	34
6	74	40	25	e17	18	16	45	110	450	187	49	31
7	71	38	24	16	18	16	59	119	496	170	47	28
8	72	39	24	19	17	18	72	113	517	152	45	62
9	75	41	24	e17	e16	19	71	125	488	139	43	70
10	76	39	23	e17	e15	22	64	169	359	135	53	73
11	72	39	22	e16	16	25	61	198	290	123	50	60
12	69	38	22	e16	18	29	64	184	261	115	69	53
13	65	38	22	e16	17	33	79	176	233	112	67	48
14	59	37	22	e18	17	34	107	190	309	111	59	44
15	56	36	22	19	17	32	140	202	435	98	63	42
16	53	35	22	19	17	29	162	261	528	93	114	39
17	51	35	e22	18	17	30	192	360	562	85	95	36
18	51	34	e22	18	17	29	211	417	564	77	70	34
19	47	34	e21	17	18	28	221	546	571	70	59	32
20	45	34	e20	18	17	27	227	703	513	66	52	31
21	44	30	20	18	e17	26	208	827	520	61	47	30
22	42	38	e20	19	17	26	210	897	546	58	43	31
23	43	35	20	19	17	26	222	981	521	57	40	35
24	41	32	e20	19	17	25	289	e1000	483	55	37	30
25	40	32	e20	20	17	25	237	e1000	435	61	34	27
26	40	31	22	20	17	24	199	948	406	54	32	25
27	49	29	20	21	e17	25	180	857	354	49	32	26
28	64	30	20	20	e17	26	162	758	324	45	29	63
29	59	27	e20	20	---	26	146	668	317	42	27	85
30	54	21	20	20	---	26	128	582	314	39	25	119
31	51	---	19	20	---	24	---	480	---	37	23	---
TOTAL	1801	1078	686	567	485	742	3912	13400	13330	3476	1514	1294
MEAN	58.1	35.9	22.1	18.3	17.3	23.9	130	432	444	112	48.8	43.1
AC-FT	3570	2140	1360	1120	962	1470	7760	26580	26440	6890	3000	2570
MAX	76	47	27	21	20	34	289	1000	635	282	114	119
MIN	40	21	19	16	15	15	25	99	233	37	23	21

CAL YR 2004 TOTAL 27952.0 MEAN 76.4 MAX 513 MIN 7.0 AC-FT 55440
 WTR YR 2005 TOTAL 42285 MEAN 116 MAX 1000 MIN 15 AC-FT 83870

MAX DISCH: UNDETERMINED
 MAX GH: UNDETERMINED

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
 e-Estimated

09362750 FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO CO
WY2005 HYDROGRAPH



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 mi².

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 Sutron 8200 DCP was replaced with a Sutron Satlink high data rate DCP April 14, 2005. 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.--Record is complete and reliable. Record 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 record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

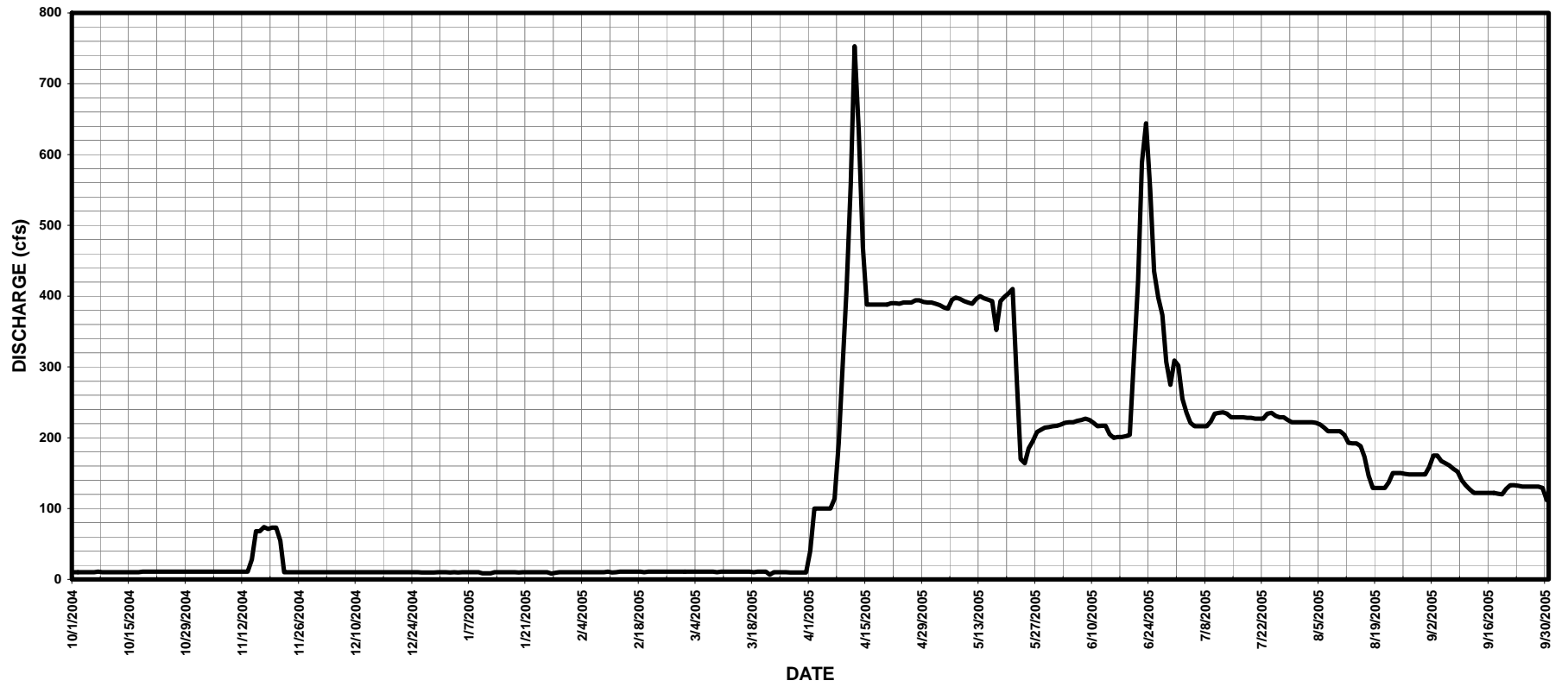
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	11	10	10	10	11	40	391	217	302	222	159
2	10	11	10	9.9	10	11	100	389	219	255	222	175
3	10	11	10	10	10	11	100	387	221	235	222	175
4	10	11	10	9.9	10	11	100	384	222	221	221	167
5	10	11	10	10	10	11	100	382	222	216	219	164
6	10	11	10	10	10	11	100	395	224	216	214	161
7	11	11	10	10	10	11	114	398	225	216	209	156
8	10	11	10	10	10	11	192	396	227	216	209	152
9	10	11	10	10	10	10	296	393	225	223	209	140
10	10	11	10	8.4	11	11	410	391	221	234	209	133
11	10	11	10	8.6	9.8	11	557	389	216	235	204	127
12	10	11	10	8.5	10	11	753	396	217	236	193	122
13	10	11	10	10	11	11	634	400	217	234	192	122
14	10	28	10	10	11	11	469	397	205	229	192	122
15	10	68	10	10	11	11	388	395	200	229	188	122
16	10	68	10	10	11	11	388	393	201	229	173	122
17	10	74	10	10	11	11	388	352	201	229	146	122
18	11	71	10	10	11	10	388	393	202	228	129	121
19	11	73	10	9.8	10	11	388	399	204	228	129	120
20	11	73	10	10	11	11	388	404	312	227	129	128
21	11	55	10	10	11	11	390	410	421	227	129	133
22	11	10	10	10	11	6.7	390	290	589	227	137	133
23	11	10	10	10	11	10	389	170	644	234	150	132
24	11	10	10	10	11	10	391	164	550	235	150	131
25	11	10	10	10	11	10	391	185	435	231	150	131
26	11	10	9.7	10	11	10	391	195	398	229	149	131
27	11	10	9.7	8.3	11	9.7	394	208	373	229	148	131
28	11	10	9.7	9.3	11	9.7	394	211	307	225	148	131
29	11	10	9.9	10	---	9.7	392	214	275	222	148	129
30	11	10	10	10	---	9.7	391	215	309	222	148	112
31	11	---	10	10	---	9.7	---	216	---	222	148	---
TOTAL	325	743	309.0	302.7	295.8	324.2	10206	10302	8699	7141	5436	4104
MEAN	10.5	24.8	9.97	9.76	10.6	10.5	340	332	290	230	175	137
AC-FT	645	1470	613	600	587	643	20240	20430	17250	14160	10780	8140
MAX	11	74	10	10	11	11	753	410	644	302	222	175
MIN	10	10	9.7	8.3	9.8	6.7	40	164	200	216	129	112
CAL YR 2004	TOTAL	28099.2	MEAN	76.8	MAX	265	MIN	8.7	AC-FT	55730		
WTR YR 2005	TOTAL	48187.7	MEAN	132	MAX	753	MIN	6.7	AC-FT	95580		

MAX DISCH: 845 CFS AT 08:15 ON Apr. 12, 2005 GH 4.77 FT. SHIFT -0.02 FT.
MAX GH: 4.77 FT. AT 08:15 ON Apr. 12, 2005

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

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Graphic water stage-recorder and a Sutron 8200 DCP with a shaft encoder on a separate float in a 36"x 36" 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.--The record is complete. Record is reliable except for the following periods: stage-discharge relationship affected by ice: Nov. 29-30; Dec. 1-4, 7, 15, 17-20, 22-24 and 26, 2004; Jan. 2, 6-7, 12-19 and 23-24; Feb. 2-5, 9-10, 21 and 25-28; March 3-4, 10-11, 15-17, 19, 22 and 26-27; April 1-2, 6, and 10, 2005. Record good, except for the winter period of ice effect, which is poor. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--ANIHOWCO08 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

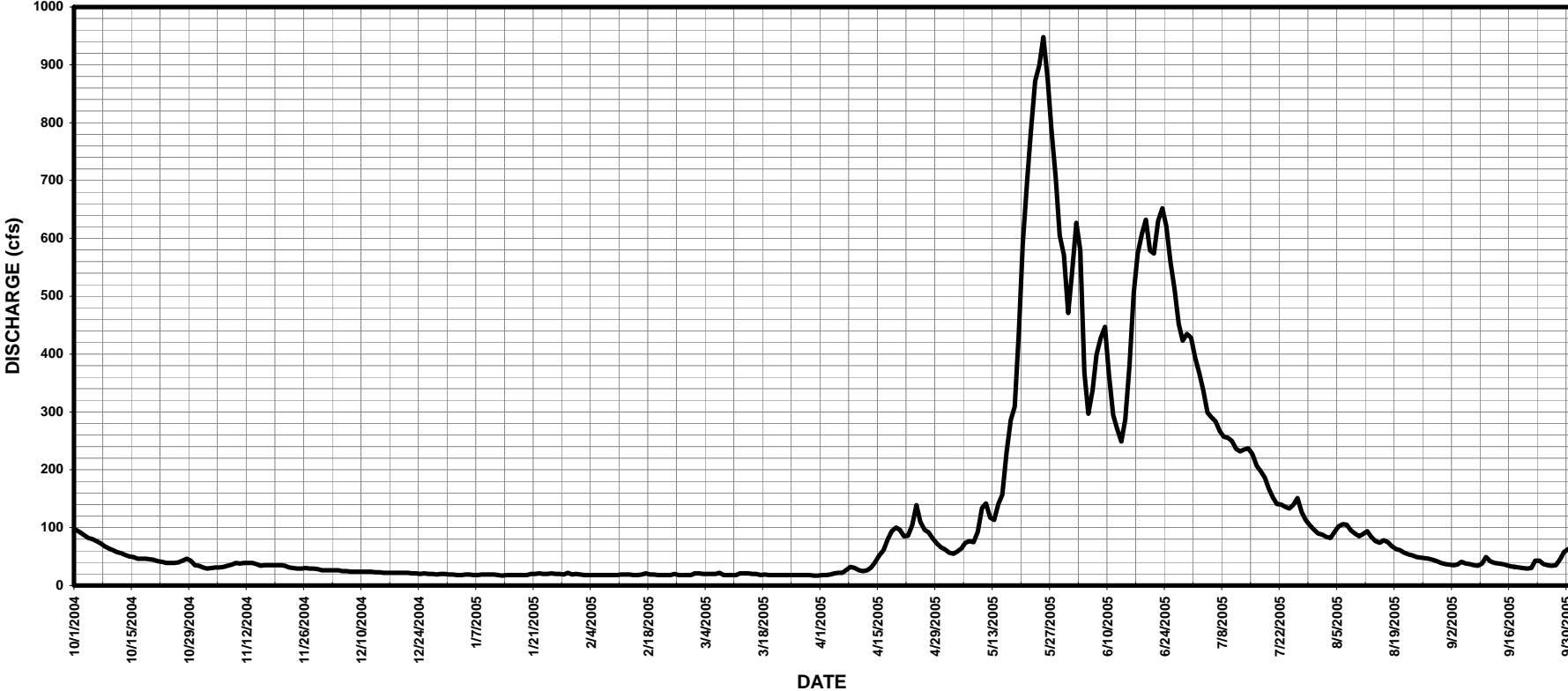
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	31	e26	19	19	21	e18	62	542	394	88	36
2	92	29	e26	e18	e18	21	e18	57	627	367	84	35
3	87	30	e26	18	e18	e20	19	55	579	337	82	36
4	82	31	e26	19	e18	e20	21	59	368	299	92	41
5	80	31	25	19	e18	20	22	64	297	291	102	38
6	77	32	25	e18	18	20	e22	74	337	284	106	37
7	73	34	e24	e18	18	22	27	77	399	267	105	35
8	68	36	24	19	18	18	32	75	428	257	95	34
9	64	39	24	19	e18	18	30	93	447	255	90	38
10	61	38	24	19	e18	e18	e26	134	365	250	85	49
11	58	39	24	19	19	e18	25	142	295	236	89	42
12	56	39	24	e18	19	21	26	117	271	232	94	39
13	53	39	23	e17	19	21	31	113	249	235	84	38
14	50	37	23	e18	18	21	41	141	287	237	77	37
15	49	34	e22	e18	18	e20	52	157	381	227	74	35
16	46	35	22	e18	19	e20	61	230	506	207	78	33
17	46	35	e22	e18	21	e18	80	286	574	198	75	32
18	46	35	e22	e18	19	19	94	309	608	186	68	31
19	45	35	e22	e18	19	e18	100	441	632	167	63	30
20	44	35	e22	20	18	18	96	591	579	152	61	29
21	42	34	22	20	e18	18	85	696	574	141	57	30
22	41	31	e21	21	18	e18	86	786	630	140	54	43
23	39	30	e21	e20	18	18	104	872	652	136	52	43
24	39	29	e20	e20	20	18	139	900	621	133	49	37
25	39	29	21	21	e18	18	110	948	558	140	48	35
26	40	30	e20	20	e18	e18	96	877	513	151	47	34
27	43	29	20	20	e18	e18	92	786	452	127	46	35
28	46	29	19	19	e18	18	81	704	423	113	44	45
29	43	e28	20	22	---	18	73	605	435	104	42	58
30	35	e26	20	19	---	17	66	571	428	96	39	63
31	34	---	19	20	---	17	---	471	---	90	37	---
TOTAL	1714	989	699	590	516	588	1773	11493	14057	6449	2207	1148
MEAN	55.3	33.0	22.5	19.0	18.4	19.0	59.1	371	469	208	71.2	38.3
AC-FT	3400	1960	1390	1170	1020	1170	3520	22800	27880	12790	4380	2280
MAX	96	39	26	22	21	22	139	948	652	394	106	63
MIN	34	26	19	17	18	17	18	55	249	90	37	29

CAL YR 2004 TOTAL 33434 MEAN 91.3 MAX 671 MIN 15 AC-FT 66320
WTR YR 2005 TOTAL 42223 MEAN 116 MAX 948 MIN 17 AC-FT 83750

MAX DISCH: 1200 CFS AT 21:15 ON May. 24, 2005 GH 3.56 FT. SHIFT -0.08 FT.
MAX GH: 3.56 FT. AT 21:15 ON May. 24, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09357500 ANIMAS RIVER AT HOWARDSVILLE CO
WY2005 HYDROGRAPH



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.--Record is complete and reliable. Record good. Station maintained by Matthew A. Schmitt. Record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--LPCDITCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

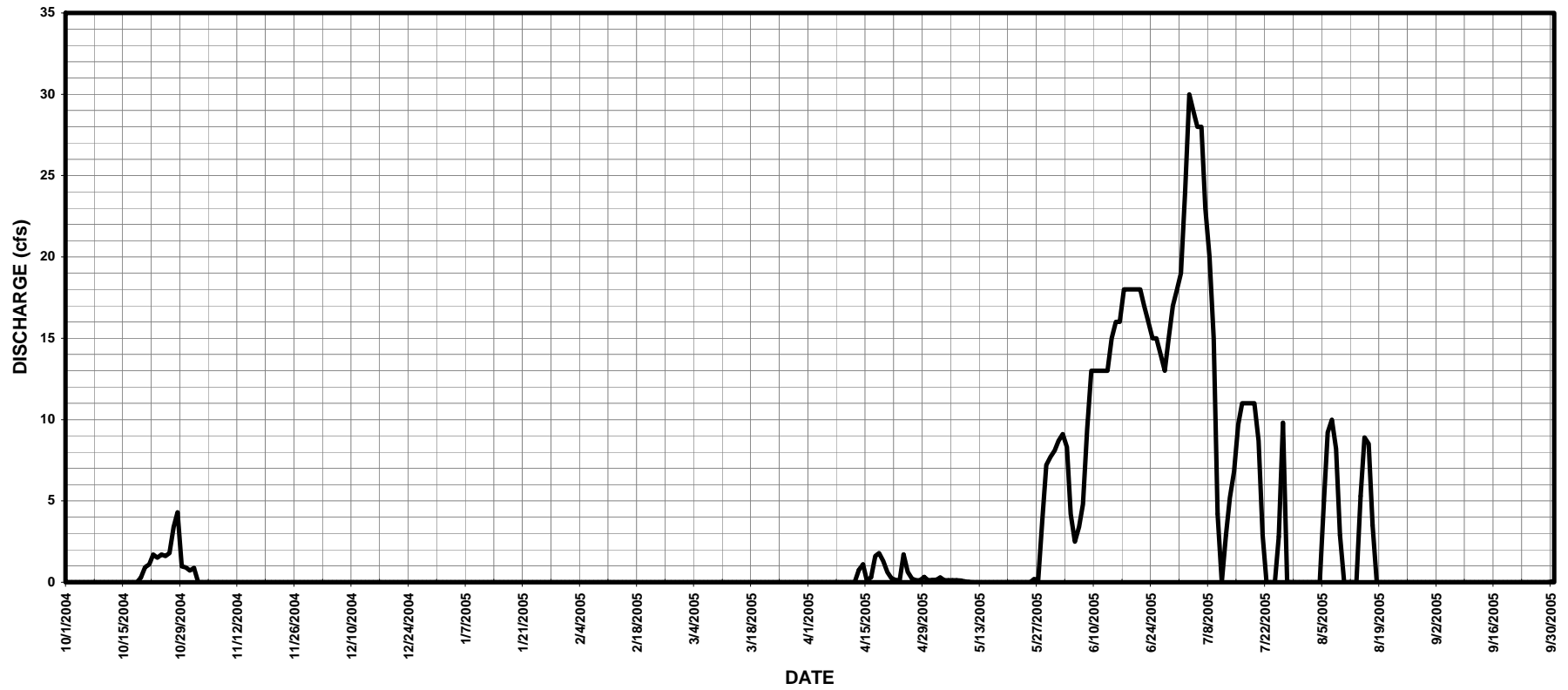
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.87	.00	.00	.00	.00	.00	.13	8.7	19	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.15	9.1	24	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.29	8.3	30	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.12	4.2	29	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.12	2.5	28	5.0	.00
6	.00	.00	.00	.00	.00	.00	.00	.12	3.4	28	9.2	.00
7	.00	.00	.00	.00	.00	.00	.00	.12	4.8	23	10	.00
8	.00	.00	.00	.00	.00	.00	.00	.11	9.4	20	8.2	.00
9	.00	.00	.00	.00	.00	.00	.00	.05	13	15	2.9	.00
10	.00	.00	.00	.00	.00	.00	.00	.01	13	4.2	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	13	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	13	2.9	.00	.00
13	.00	.00	.00	.00	.00	.00	.75	.00	13	5.2	.00	.00
14	.00	.00	.00	.00	.00	.00	1.1	.00	15	6.8	5.3	.00
15	.00	.00	.00	.00	.00	.00	.09	.00	16	9.7	8.9	.00
16	.00	.00	.00	.00	.00	.00	.31	.00	16	11	8.5	.00
17	.00	.00	.00	.00	.00	.00	1.6	.00	18	11	3.5	.00
18	.00	.00	.00	.00	.00	.00	1.8	.00	18	11	.00	.00
19	.29	.00	.00	.00	.00	.00	1.3	.00	18	11	.00	.00
20	.92	.00	.00	.00	.00	.00	.61	.00	18	8.7	.00	.00
21	1.1	.00	.00	.00	.00	.00	.26	.00	18	2.9	.00	.00
22	1.7	.00	.00	.00	.00	.00	.14	.00	17	.00	.00	.00
23	1.5	.00	.00	.00	.00	.00	.12	.00	16	.00	.00	.00
24	1.7	.00	.00	.00	.00	.00	1.7	.00	15	.00	.00	.00
25	1.6	.00	.00	.00	.00	.00	.64	.00	15	2.8	.00	.00
26	1.8	.00	.00	.00	.00	.00	.22	.19	14	9.8	.00	.00
27	3.4	.00	.00	.00	.00	.00	.12	.16	13	.02	.00	.00
28	4.3	.00	.00	.00	.00	.00	.12	3.9	15	.00	.00	.00
29	.97	.00	.00	.00	---	.00	.32	7.2	17	.00	.00	.00
30	.91	.00	.00	.00	---	.00	.12	7.7	18	.00	.00	.05
31	.72	---	.00	.00	---	.00	---	8.1	---	.00	.00	---
TOTAL	20.91	.87	.00	.00	.00	.00	11.32	28.47	392.4	313.02	61.50	.05
MEAN	.67	.029	.000	.000	.000	.000	.38	.92	13.1	10.1	1.98	.002
AC-FT	41	1.7	.00	.00	.00	.00	22	56	778	621	122	.10
MAX	4.3	.87	.00	.00	.00	.00	1.8	8.1	18	30	10	.05
MIN	.00	.00	.00	.00	.00	.00	.00	.00	2.5	.00	.00	.00

CAL YR	2004	TOTAL	1149.00	MEAN	3.14	MAX	38	MIN	.00	AC-FT	2280
WTR YR	2005	TOTAL	828.54	MEAN	2.27	MAX	30	MIN	.00	AC-FT	1640

MAX DISCH: 31.1 CFS AT 22:30 ON Jul. 2, 2005 GH 1.38 FT. SHIFT -0.06 FT.
MAX GH: 1.38 FT. AT 22:30 ON Jul. 2, 2005

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

LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS CO
WY2005 HYDROGRAPH



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.--Record complete and reliable, except for March 17-April 6, 2005, due to ice affecting the stage-discharge relationship. Record good, except estimated period, which is poor. Station maintained by Matthew A. Schmitt. Record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--PINDITCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

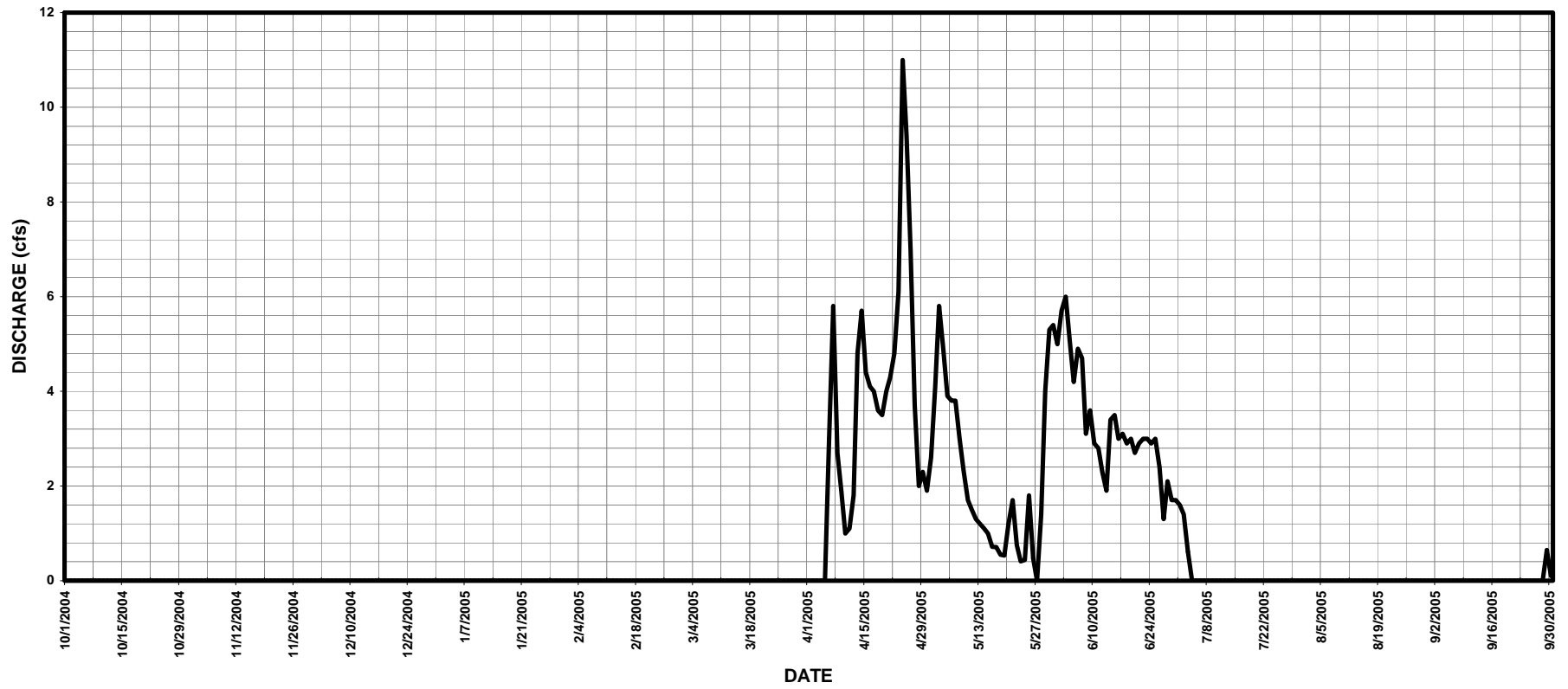
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	e.00	2.6	5.0	1.6	.00	.00
2	.00	.00	.00	.00	.00	.00	e.00	4.1	5.7	1.4	.00	.00
3	.00	.00	.00	.00	.00	.00	e.00	5.8	6.0	.61	.00	.00
4	.00	.00	.00	.00	.00	.00	e.00	4.9	5.1	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	e.00	3.9	4.2	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	e3.0	3.8	4.9	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	5.8	3.8	4.7	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	2.7	3.0	3.1	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	1.9	2.3	3.6	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	1.0	1.7	2.9	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	1.1	1.5	2.8	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	1.8	1.3	2.3	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	4.8	1.2	1.9	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	5.7	1.1	3.4	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	4.4	1.0	3.5	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	4.1	.72	3.0	.00	.00	.00
17	.00	.00	.00	.00	.00	e.00	4.0	.71	3.1	.00	.00	.00
18	.00	.00	.00	.00	.00	e.00	3.6	.55	2.9	.00	.00	.00
19	.00	.00	.00	.00	.00	e.00	3.5	.53	3.0	.00	.00	.00
20	.00	.00	.00	.00	.00	e.00	4.0	1.2	2.7	.00	.00	.00
21	.00	.00	.00	.00	.00	e.00	4.3	1.7	2.9	.00	.00	.00
22	.00	.00	.00	.00	.00	e.00	4.8	.75	3.0	.00	.00	.00
23	.00	.00	.00	.00	.00	e.00	6.1	.41	3.0	.00	.00	.00
24	.00	.00	.00	.00	.00	e.00	11	.44	2.9	.00	.00	.00
25	.00	.00	.00	.00	.00	e.00	9.4	1.8	3.0	.00	.00	.00
26	.00	.00	.00	.00	.00	e.00	7.0	.47	2.4	.00	.00	.00
27	.00	.00	.00	.00	.00	e.00	3.7	.00	1.3	.00	.00	.00
28	.00	.00	.00	.00	.00	e.00	2.0	1.4	2.1	.00	.00	.00
29	.00	.00	.00	.00	---	e.00	2.3	4.0	1.7	.00	.00	.65
30	.00	.00	.00	.00	---	e.00	1.9	5.3	1.7	.00	.00	.10
31	.00	---	.00	.00	---	e.00	---	5.4	---	.00	.00	---
TOTAL	.00	.00	.00	.00	.00	.00	103.90	67.38	97.8	3.61	.00	.75
MEAN	.0000	.0000	.0000	.0000	.0000	.0000	3.46	2.17	3.30	.12	.0000	.025
AC-FT	.00	.00	.00	.00	.00	.00	206	134	194	7.2	.00	1.5
MAX	.00	.00	.00	.00	.00	.00	11	5.8	6.0	1.6	.00	.65
MIN	.00	.00	.00	.00	.00	.00	.00	.00	1.3	.00	.00	.00

CAL YR	2004	TOTAL	470.90	MEAN	1.29	MAX	16	MIN	.00	AC-FT	934
WTR YR	2005	TOTAL	273.44	MEAN	.75	MAX	11	MIN	.00	AC-FT	542

MAX DISCH: 13.1 CFS AT 06:15 ON Apr. 24, 2005 GH 1.09 FT. SHIFT -0.03 FT.
MAX GH: 1.96 FT. AT 07:30 ON Mar. 18, 2005 (Backwater from Ice)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

PINE RIDGE DITCH NEAR HESPERUS CO
WY2005 HYDROGRAPH



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 mi², approximately. Periodic data June 1904 to Nov. 1910. Continuous from June 1917 to current year, with some periods of monthly data only.

GAGE.--Graphic water stage-recorder and a Sutron Satlink HDR DCP with a shaft encoder on a separate float, and an air temperature sensor, in a 64"x 64" concrete block shelter and a 42" concrete well. The DCP record is the primary record. Datum of gage is 8,104.71 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions were filled in from the DCP logger files. It is reliable except for the following periods: Nov. 30-Dec. 1, 2004 when both floats froze in ice in the well. Stage-discharge relationship affected by ice Nov. 29, Dec. 2-4, 17, and 22-26, 2004; Jan. 7-9 and 13-18, Feb. 2-4 and 9-10, 2005. Indefinite stage-discharge relationship May 19-25, 2005, when high flows caused transient erosion and deposition of rock and cobble on the control section. A large tree lodged in the notch of the control section from May 20-23, 2005. Record good except for estimated flows, which are poor and flows from May 26 to May 31, 2005, which are poor due to changing control conditions. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--LAPHESCO36 USED FROM 01-OCT-2004 TO 25-DEC-2004
LAPHESCO37 USED FROM 25-DEC-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

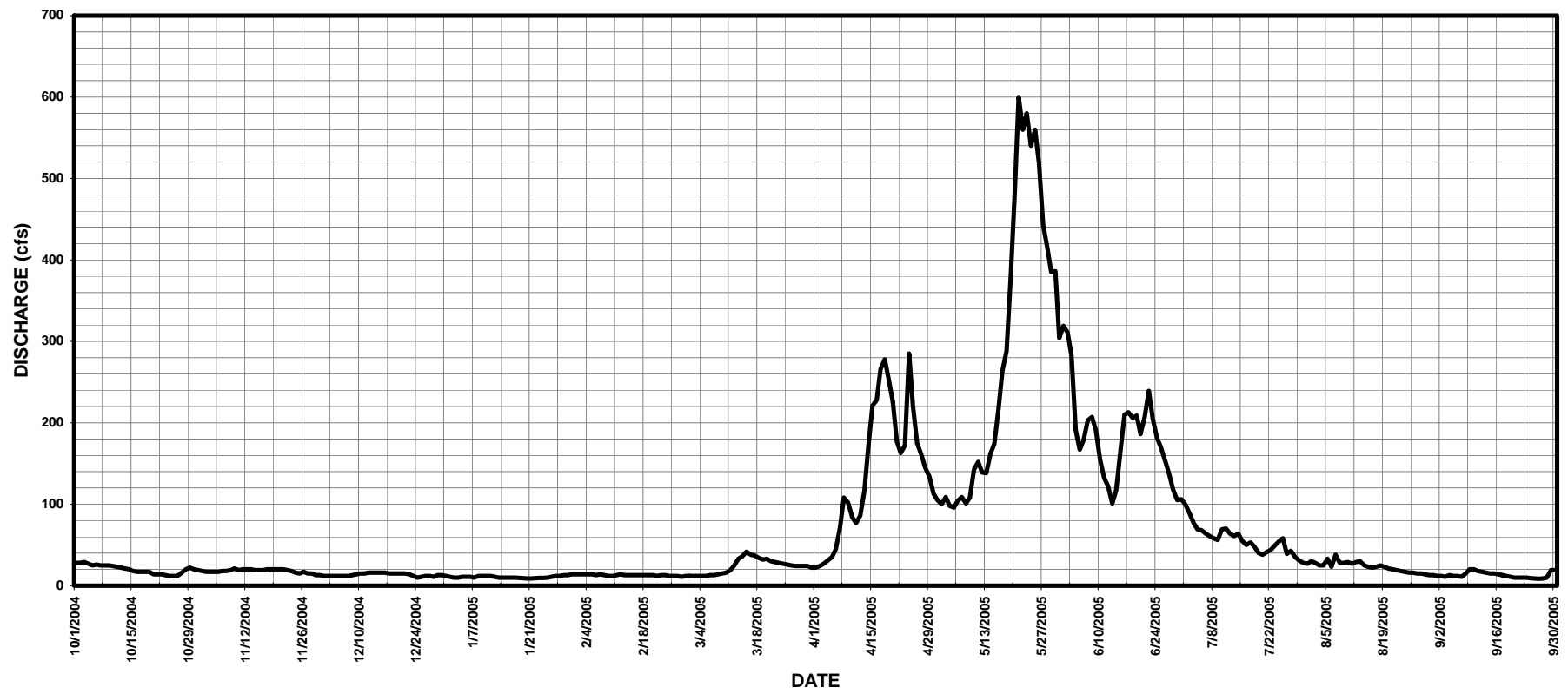
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	18	12e	11	14	12	22	105	319	100	30	12
2	28	17	12e	10	14e	12	24	100	311	89	28	12
3	29	17	12e	10	14e	12	27	109	282	77	25	11
4	27	17	12e	11	14e	12	31	98	191	69	25	13
5	25	17	12	11	14	12	35	96	167	68	33	12
6	26	18	12	11	13	13	45	104	179	64	23	12
7	25	18	12	10e	14	13	71	109	203	61	38	11
8	25	19	13	12e	13	14	108	101	207	58	28	15
9	25	21	14	12e	12e	15	102	108	191	56	28	20
10	24	19	15	12	12e	16	84	143	155	69	29	20
11	23	20	15	12	13	19	77	152	132	70	27	18
12	22	20	16	11	14	25	86	139	122	64	29	17
13	21	20	16	10e	13	33	117	138	101	61	30	16
14	20	19	16	10e	13	36	171	162	117	64	25	15
15	18	19	16	10e	13	42	221	174	164	55	23	15
16	17	19	16	10e	13	38	228	217	210	50	22	14
17	17	20	15e	10e	13	37	266	264	213	53	23	13
18	17	20	15	9.5e	13	34	278	288	206	48	25	12
19	17	20	15	9.2	13	32	252	380e	209	40	23	11
20	14	20	15	8.8	13	33	226	480e	186	38	21	10
21	14	20	15	8.8	12	30	177	600e	207	41	20	10
22	14	19	14e	9.2	13	29	163	560e	239	44	19	10
23	13	18	12e	9.4	13	28	172	580e	205	49	18	9.7
24	12	16	10e	9.4	12	27	285	540e	182	54	17	9.1
25	12	15	11e	10	12	26	220	560e	170	58	16	8.7
26	12	17	12e	11	12	25	175	519	154	39	16	8.4
27	16	15	12	12	11	24	161	443	137	43	15	8.8
28	20	15	11	12	12	24	145	415	118	35	15	10
29	22	13e	13	13	---	24	134	385	105	31	14	19
30	20	13e	13	13	---	24	113	386	106	28	13	19
31	19	---	12	14	---	22	---	304	---	27	13	---
TOTAL	622	539	416	332.3	362	743	4216	8759	5488	1703	711	391.7
MEAN	20.1	18.0	13.4	10.7	12.9	24.0	141	283	183	54.9	22.9	13.1
AC-FT	1230	1070	825	659	718	1470	8360	17370	10890	3380	1410	777
MAX	29	21	16	14	14	42	285	600	319	100	38	20
MIN	12	13	10	8.8	11	12	22	96	101	27	13	8.4
CAL YR 2004	TOTAL	14412.9	MEAN	39.4	MAX	277	MIN	4.6	AC-FT	28590		
WTR YR 2005	TOTAL	24283.0	MEAN	66.5	MAX	600	MIN	8.4	AC-FT	48170		

MAX DISCH: Undetermined

MAX GH: 5.84 FT. AT 23:15 ON May. 21, 2005 (Backwater from a log lodged on the control)

e-Estimated

09365500 LA PLATA RIVER AT HESPERUS CO
WY2005 HYDROGRAPH



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 with shaft encoder on separate floats in a concrete shelter and well. The Sutron 8200 DCP was replaced with a Sutron Satlink HDR DCP on Sep. 19, 2005. Datum of gage is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete except for the following periods: inlets plugged: Apr. 5-8 and 12-27, 2005; the recorder and DCP malfunctioned: Dec. 1-10, 2004. Record is reliable except for the following periods: stage-discharge relationship affected by ice: Dec. 11, 17-18, 21-22 and 30-31, 2004; Jan. 1-30; Feb. 2-4, 2005. Record poor. Record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--CHEREDCO03 USED FROM 01-OCT-2004 TO 30-SEP-2005

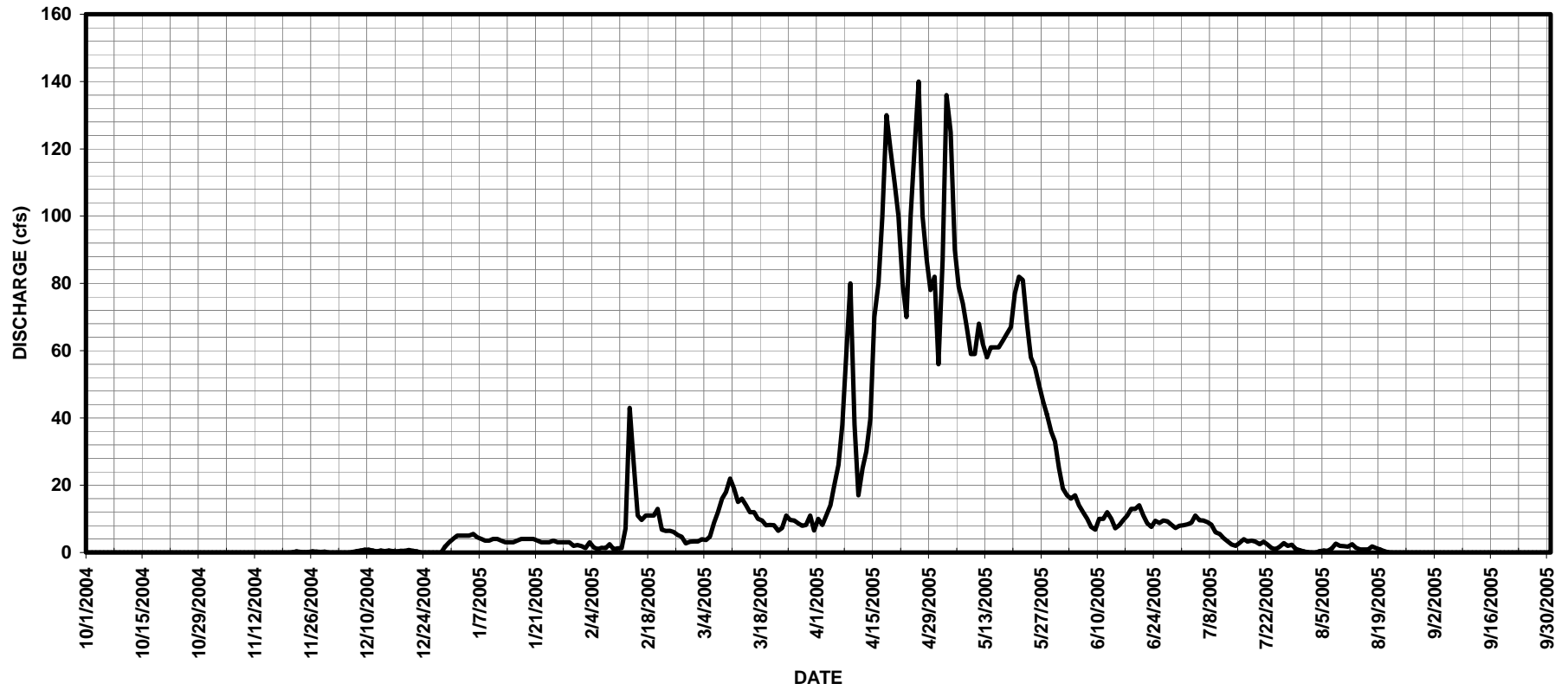
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	e.00	e5.0	1.9	3.3	10	56	19	8.1	.08	.00
2	.00	.00	e.00	e5.0	e1.0	3.3	8.2	87	17	8.4	.01	.00
3	.00	.00	e.00	e5.0	e1.0	3.9	11	136	16	8.9	.01	.00
4	.00	.00	e.00	e5.0	e1.0	3.7	14	125	17	11	.37	.00
5	.00	.00	e.00	e5.5	1.0	4.7	e20	90	14	9.6	.57	.00
6	.00	.00	e.20	e4.5	1.4	8.9	e26	79	12	9.5	.51	.00
7	.00	.00	e.40	e4.0	1.3	12	e38	74	10	9.0	1.2	.00
8	.00	.00	e.60	e3.5	2.5	16	e60	67	7.6	8.3	2.6	.00
9	.00	.00	e.80	e3.5	1.0	18	80	59	6.8	6.0	2.0	.00
10	.00	.00	e.80	e4.0	1.2	22	38	59	10	5.5	1.9	.00
11	.00	.00	e.60	e4.0	1.3	19	17	68	10	4.3	1.7	.00
12	.00	.00	.31	e3.5	7.1	15	e25	62	12	3.3	2.5	.00
13	.00	.00	.56	e3.0	43	16	e30	58	10	2.4	1.4	.00
14	.00	.00	.43	e3.0	27	14	e40	61	7.2	2.0	.94	.00
15	.00	.00	.55	e3.0	11	12	e70	61	8.1	2.9	.88	.00
16	.00	.00	.44	e3.5	9.7	12	e80	61	9.6	3.9	.91	.00
17	.00	.00	e.30	e4.0	11	10	e100	63	11	3.3	1.8	.00
18	.00	.00	e.50	e4.0	11	9.5	e130	65	13	3.5	1.3	.00
19	.00	.00	.53	e4.0	11	8.1	e120	67	13	3.2	.92	.00
20	.00	.00	.71	e4.0	13	8.2	e110	77	14	2.5	.43	.00
21	.00	.12	e.50	e3.5	6.8	8.1	e100	82	11	3.2	.07	.00
22	.00	.34	e.30	e3.0	6.4	6.5	e80	81	8.7	2.3	.00	.00
23	.00	.17	.00	e3.0	6.5	7.3	e70	68	7.6	1.3	.00	.00
24	.00	.09	.00	e3.0	6.1	11	e100	58	9.4	.95	.00	.00
25	.00	.20	.00	e3.5	5.2	9.7	e120	55	8.8	1.7	.00	.00
26	.00	.34	.00	e3.0	4.7	9.5	e140	50	9.5	2.8	.00	.00
27	.00	.27	.00	e3.0	2.7	8.7	e100	45	9.3	2.0	.00	.00
28	.00	.13	.00	e3.0	3.2	8.0	87	41	8.3	2.3	.00	.00
29	.00	.24	1.7	e3.0	---	8.2	78	36	7.3	1.1	.00	.00
30	.00	.00	e3.0	e2.0	---	11	82	33	8.0	.67	.00	.00
31	.00	---	e4.0	2.2	---	6.6	---	25	---	.31	.00	---
TOTAL	.00	1.90	17.23	113.2	200.0	314.2	1984.2	2049	325.2	134.23	22.10	.00
MEAN	.000	.063	.56	3.65	7.14	10.1	66.1	66.1	10.8	4.33	.71	.000
AC-FT	.00	3.8	34	225	397	623	3940	4060	645	266	44	.00
MAX	.00	.34	4.0	5.5	43	22	140	136	19	11	2.6	.00
MIN	.00	.00	.00	2.0	1.0	3.3	8.2	25	6.8	.31	.00	.00
CAL YR 2004	TOTAL	2621.42	MEAN	7.16	MAX	146	MIN	.00	AC-FT	5200		
WTR YR 2005	TOTAL	5161.26	MEAN	14.1	MAX	140	MIN	.00	AC-FT	10240		

MAX DISCH: 185 CFS AT 15:30 ON May 3, 2005 GH 3.80 FT. SHIFT +0.01 FT.
MAX GH: 3.80 FT. AT 15:30 ON May 3, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

CHERRY CREEK AT THE MOUTH NEAR RED MESA CO
WY2005 HYDROGRAPH



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 mi².

GAGE.--Graphic water-stage recorder with a Sutron 8200 DCP and shaft encoder on separate floats in a 3' by 3' wooden shelter and well. The control is a four foot Parshall flume equipped with a staff gauge. The Sutron 8200 DCP was replaced with a Sutron high data rate DCP on Sep. 19,2005. The DCP record is the primary record. Datum of gauge is 6,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions was filled in from the DCP logger files or from the chart record. It is reliable except for the following periods: stage-discharge relationship affected by ice: Dec. 1-6, 19-20 and 22-24, 2004. Record fair except for estimated daily discharges, which are poor, and periods of flow above 65 cfs which are poor. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--LONREDCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

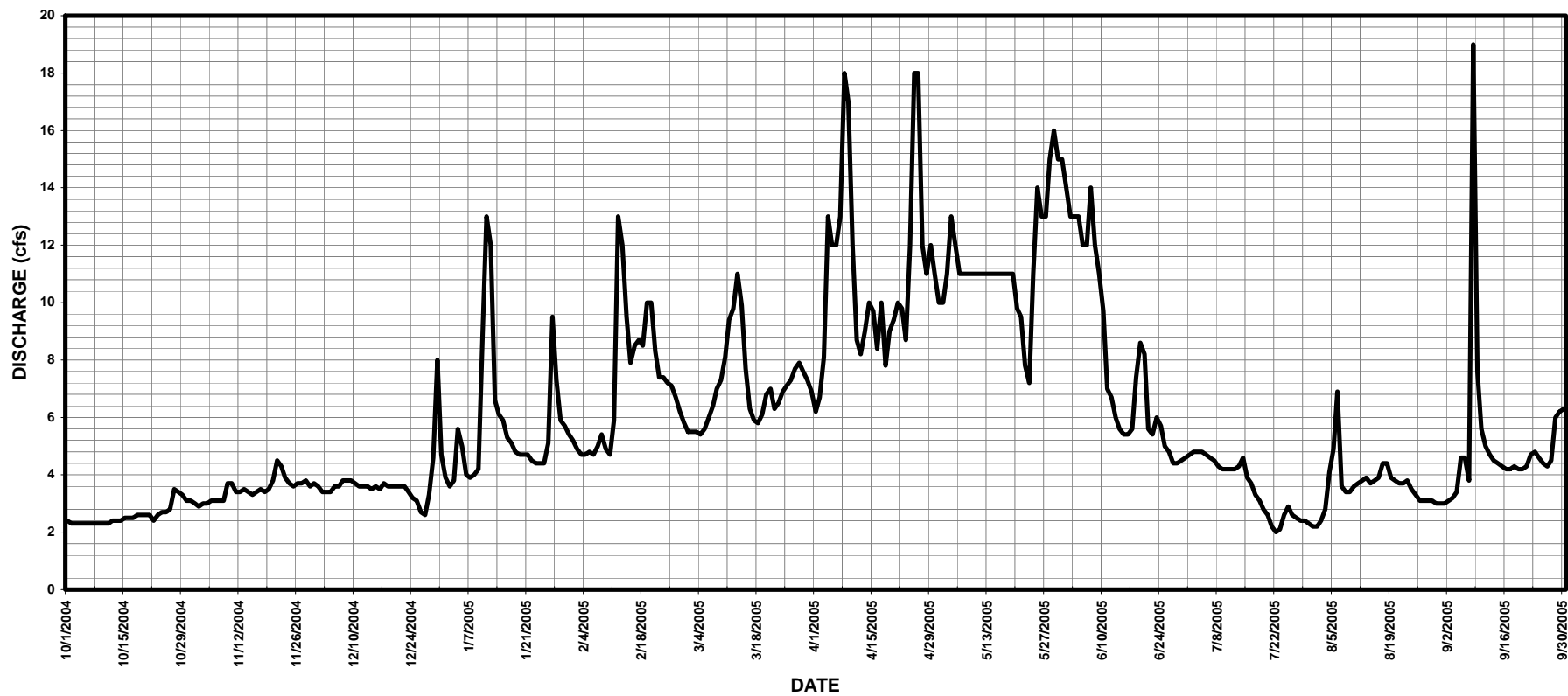
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	3.0	e3.6	3.9	5.2	5.5	6.2	10	14	4.7	2.2	3.0
2	2.3	2.9	e3.4	3.6	4.9	5.5	6.7	10	13	4.8	2.4	3.1
3	2.3	3.0	e3.4	3.8	4.7	5.5	8.1	11	13	4.8	2.8	3.2
4	2.3	3.0	e3.4	5.6	4.7	5.4	13	13	13	4.8	4.1	3.4
5	2.3	3.1	e3.6	5.0	4.8	5.6	12	12	12	4.7	4.9	4.6
6	2.3	3.1	e3.6	4.0	4.7	6.0	12	11	12	4.6	6.9	4.6
7	2.3	3.1	3.8	3.9	5.0	6.4	13	11	14	4.5	3.6	3.8
8	2.3	3.1	3.8	4.0	5.4	7.0	18	11	12	4.3	3.4	19
9	2.3	3.7	3.8	4.2	4.9	7.3	17	11	11	4.2	3.4	7.6
10	2.3	3.7	3.7	8.9	4.7	8.1	12	11	9.7	4.2	3.6	5.6
11	2.3	3.4	3.6	13	5.9	9.4	8.7	11	7.0	4.2	3.7	5.0
12	2.4	3.4	3.6	12	13	9.8	8.2	11	6.7	4.2	3.8	4.7
13	2.4	3.5	3.6	6.6	12	11	9.0	11	6.0	4.3	3.9	4.5
14	2.4	3.4	3.5	6.1	9.5	9.9	10	11	5.6	4.6	3.7	4.4
15	2.5	3.3	3.6	5.9	7.9	7.7	9.7	11	5.4	3.9	3.8	4.3
16	2.5	3.4	3.5	5.3	8.5	6.3	8.4	11	5.4	3.7	3.9	4.2
17	2.5	3.5	3.7	5.1	8.7	5.9	10	11	5.6	3.3	4.4	4.2
18	2.6	3.4	3.6	4.8	8.5	5.8	7.8	11	7.4	3.1	4.4	4.3
19	2.6	3.5	e3.6	4.7	10	6.1	9.0	11	8.6	2.8	3.9	4.2
20	2.6	3.8	e3.6	4.7	10	6.8	9.4	9.8	8.2	2.6	3.8	4.2
21	2.6	4.5	3.6	4.7	8.3	7.0	10	9.5	5.6	2.2	3.7	4.3
22	2.4	4.3	e3.6	4.5	7.4	6.3	9.8	7.8	5.4	2.0	3.7	4.7
23	2.6	3.9	e3.4	4.4	7.4	6.5	8.7	7.2	6.0	2.1	3.8	4.8
24	2.7	3.7	e3.2	4.4	7.2	6.9	12	11	5.7	2.6	3.5	4.6
25	2.7	3.6	3.1	4.4	7.1	7.1	18	14	5.0	2.9	3.3	4.4
26	2.8	3.7	2.7	5.1	6.7	7.3	18	13	4.8	2.6	3.1	4.3
27	3.5	3.7	2.6	9.5	6.2	7.7	12	13	4.4	2.5	3.1	4.5
28	3.4	3.8	3.3	7.3	5.8	7.9	11	15	4.4	2.4	3.1	6.0
29	3.3	3.6	4.6	5.9	---	7.6	12	16	4.5	2.4	3.1	6.2
30	3.1	3.7	8.0	5.7	---	7.3	11	15	4.6	2.3	3.0	6.3
31	3.1	---	4.7	5.4	---	6.9	---	15	---	2.2	3.0	---
TOTAL	80.1	104.8	114.8	176.4	199.1	219.5	330.7	356.3	240.0	108.5	113.0	152.0
MEAN	2.58	3.49	3.70	5.69	7.11	7.08	11.0	11.5	8.00	3.50	3.65	5.07
AC-FT	159	208	228	350	395	435	656	707	476	215	224	301
MAX	3.5	4.5	8.0	13	13	11	18	16	14	4.8	6.9	19
MIN	2.3	2.9	2.6	3.6	4.7	5.4	6.2	7.2	4.4	2.0	2.2	3.0

CAL YR	2004	TOTAL	1462.6	MEAN	4.00	MAX	40	MIN	1.1	AC-FT	2680
WTR YR	2005	TOTAL	2195.2	MEAN	6.01	MAX	19	MIN	2.0	AC-FT	4350

MAX DISCH: 36 CFS AT 11:00 ON Sep. 8, 2005 GH 1.63 FT. SHIFT 0.04 FT.
MAX GH: 1.63 FT. AT 11:00 ON Sep. 8, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

LONG HOLLOW AT THE MOUTH NEAR RED MESA CO
WY2005 HYDROGRAPH



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 and shaft encoder in a shelter and well at a 1 foot Parshall flume.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions were filled in from the DCP's logger files. The record is reliable. Record is fair. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--PIODITCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

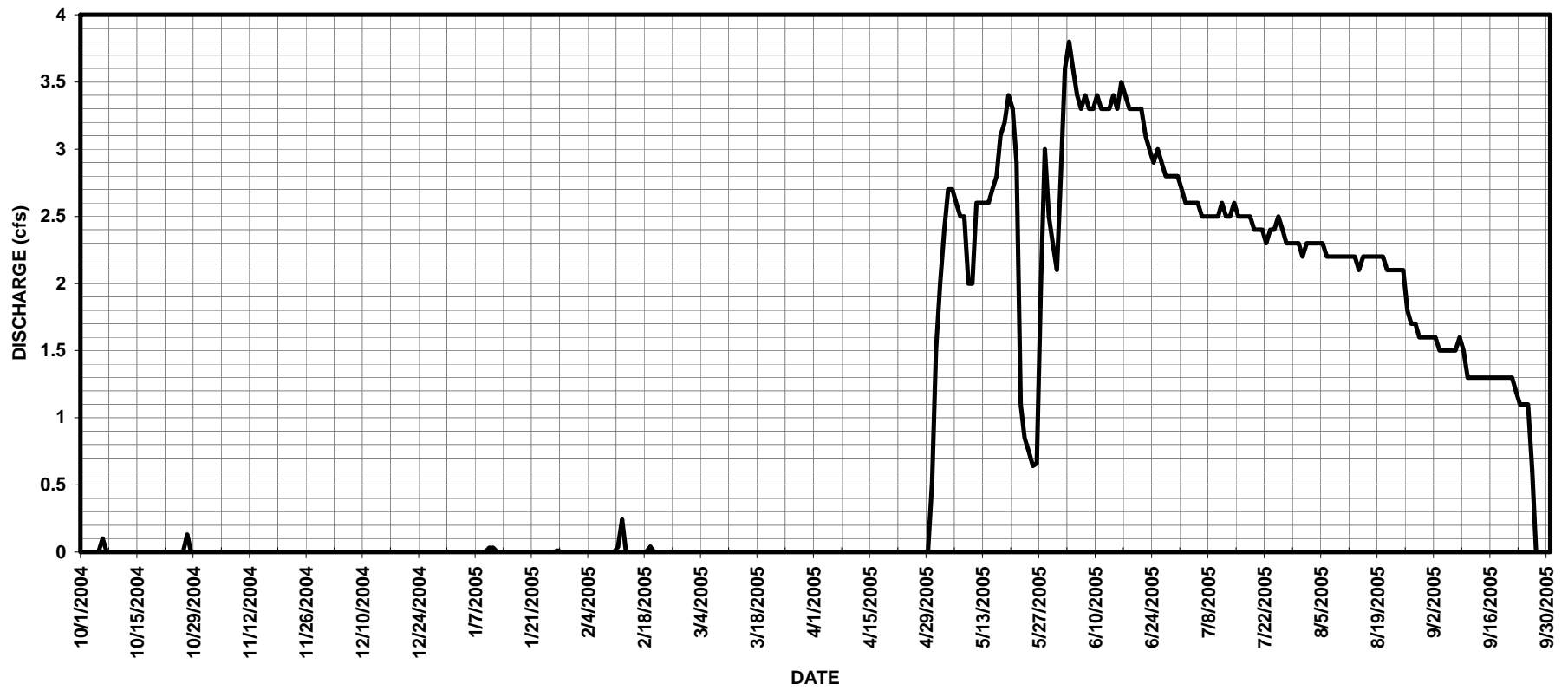
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	1.5	2.8	2.7	2.3	1.6
2	.00	.00	.00	.00	.00	.00	.00	2.0	3.6	2.6	2.3	1.6
3	.00	.00	.00	.00	.00	.00	.00	2.4	3.8	2.6	2.3	1.5
4	.00	.00	.00	.00	.00	.00	.00	2.7	3.6	2.6	2.3	1.5
5	.00	.00	.00	.00	.00	.00	.00	2.7	3.4	2.6	2.3	1.5
6	.10	.00	.00	.00	.00	.00	.00	2.6	3.3	2.5	2.2	1.5
7	.00	.00	.00	.00	.00	.00	.00	2.5	3.4	2.5	2.2	1.5
8	.00	.00	.00	.00	.00	.00	.00	2.5	3.3	2.5	2.2	1.6
9	.00	.00	.00	.00	.00	.00	.00	2.0	3.3	2.5	2.2	1.5
10	.00	.00	.00	.03	.00	.00	.00	2.0	3.4	2.5	2.2	1.3
11	.00	.00	.00	.03	.04	.00	.00	2.6	3.3	2.6	2.2	1.3
12	.00	.00	.00	.00	.24	.00	.00	2.6	3.3	2.5	2.2	1.3
13	.00	.00	.00	.00	.00	.00	.00	2.6	3.3	2.5	2.2	1.3
14	.00	.00	.00	.00	.00	.00	.00	2.6	3.4	2.6	2.1	1.3
15	.00	.00	.00	.00	.00	.00	.00	2.7	3.3	2.5	2.2	1.3
16	.00	.00	.00	.00	.00	.00	.00	2.8	3.5	2.5	2.2	1.3
17	.00	.00	.00	.00	.00	.00	.00	3.1	3.4	2.5	2.2	1.3
18	.00	.00	.00	.00	.00	.00	.00	3.2	3.3	2.5	2.2	1.3
19	.00	.00	.00	.00	.04	.00	.00	3.4	3.3	2.4	2.2	1.3
20	.00	.00	.00	.00	.00	.00	.00	3.3	3.3	2.4	2.2	1.3
21	.00	.00	.00	.00	.00	.00	.00	2.9	3.3	2.4	2.1	1.3
22	.00	.00	.00	.00	.00	.00	.00	1.1	3.1	2.3	2.1	1.2
23	.00	.00	.00	.00	.00	.00	.00	.85	3.0	2.4	2.1	1.1
24	.00	.00	.00	.00	.00	.00	.00	.75	2.9	2.4	2.1	1.1
25	.00	.00	.00	.00	.00	.00	.00	.64	3.0	2.5	2.1	1.1
26	.00	.00	.00	.00	.00	.00	.00	.66	2.9	2.4	1.8	.61
27	.13	.00	.00	.01	.00	.00	.00	2.0	2.8	2.3	1.7	.00
28	.00	.00	.00	.00	.00	.00	.00	3.0	2.8	2.3	1.7	.00
29	.00	.00	.00	.00	---	.00	.00	2.5	2.8	2.3	1.6	.00
30	.00	.00	.00	.00	---	.00	.52	2.3	2.8	2.3	1.6	.00
31	.00	---	.00	.00	---	.00	---	2.1	---	2.2	1.6	---
TOTAL	.23	.00	.00	.07	.32	.00	.52	70.60	96.7	76.4	64.9	34.51
MEAN	.007	.000	.000	.002	.011	.000	.017	2.28	3.22	2.46	2.09	1.15
AC-FT	.46	.00	.00	.14	.63	.00	1.0	140	192	152	129	68
MAX	.13	.00	.00	.03	.24	.00	.52	3.4	3.8	2.7	2.3	1.6
MIN	.00	.00	.00	.00	.00	.00	.00	.64	2.8	2.2	1.6	.00

CAL YR	2004	TOTAL	292.16	MEAN	.80	MAX	3.7	MIN	.00	AC-FT	579
WTR YR	2005	TOTAL	344.25	MEAN	.94	MAX	3.8	MIN	.00	AC-FT	683

MAX DISCH: 3.82 CFS AT 08:00 ON Jun. 3, 2005 GH 0.95 FT. SHIFT 0.02 FT.
MAX GH: 0.95 FT. AT 08:00 ON Jun. 3, 2005

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

PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE
WY2005 HYDROGRAPH



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 high data rate SatLink DCP in a metal shelter and well at a 2 foot Parshall flume. DCP record is the primary record.

REMARKS.--Record from the DCP is complete except for the following periods when the DCP malfunctioned: Nov. 30; Dec. 1-4 and 13-31, 2004; Jan. 1-31; Feb. 1-28; Mar. 1-31; Apr. 1-24, 2005. Record good except for estimated daily discharges, which are poor. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

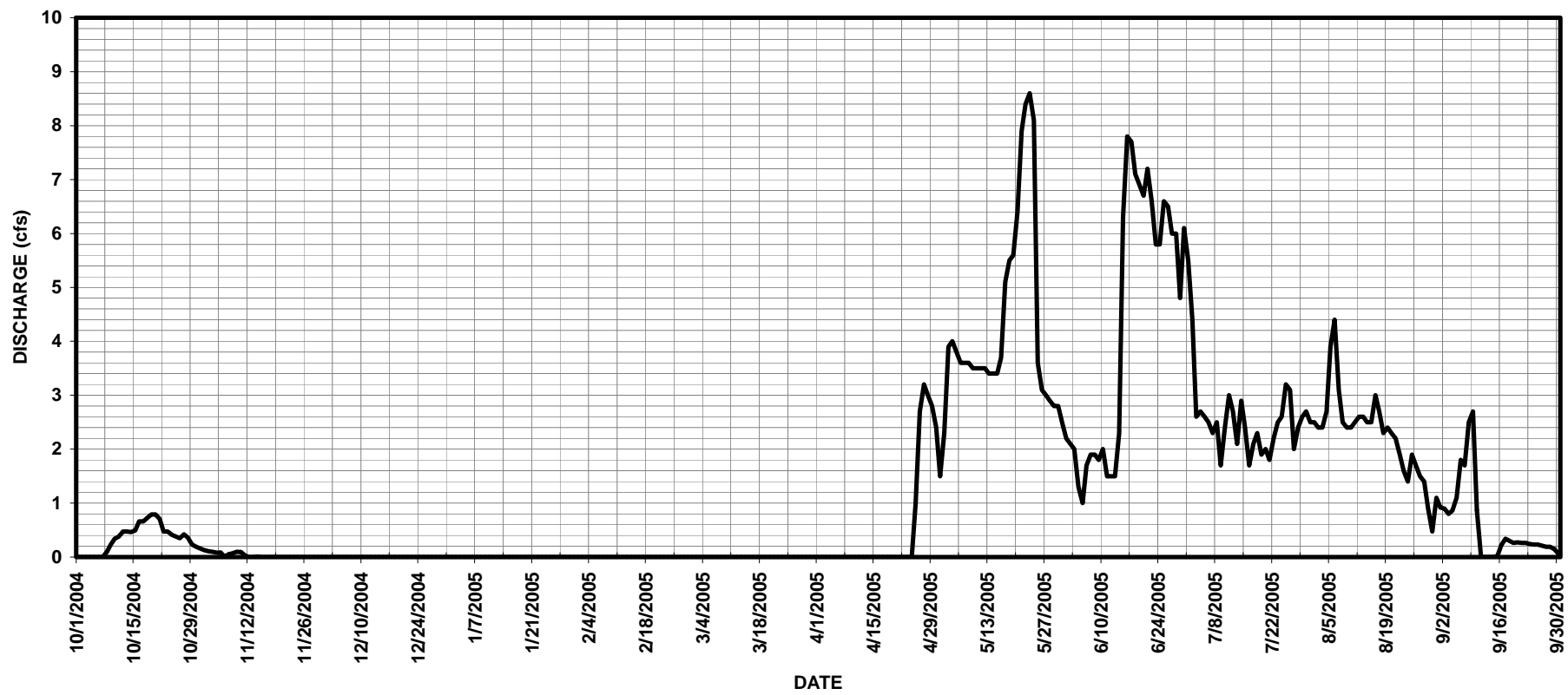
RATING TABLE.--ENTDITCO01 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.13	e.00	e.00	e.00	e.00	e.00	1.5	2.2	5.5	2.5	.92
2	.00	.11	e.00	e.00	e.00	e.00	e.00	2.3	2.1	4.4	2.4	.90
3	.00	.10	e.00	e.00	e.00	e.00	e.00	3.9	2.0	2.6	2.4	.80
4	.00	.08	e.00	e.00	e.00	e.00	e.00	4.0	1.3	2.7	2.7	.86
5	.00	.08	.00	e.00	e.00	e.00	e.00	3.8	1.0	2.6	3.9	1.1
6	.00	.01	.00	e.00	e.00	e.00	e.00	3.6	1.7	2.5	4.4	1.8
7	.00	.05	.00	e.00	e.00	e.00	e.00	3.6	1.9	2.3	3.1	1.7
8	.09	.07	.00	e.00	e.00	e.00	e.00	3.6	1.9	2.5	2.5	2.5
9	.23	.10	.00	e.00	e.00	e.00	e.00	3.5	1.8	1.7	2.4	2.7
10	.34	.09	.00	e.00	e.00	e.00	e.00	3.5	2.0	2.4	2.4	.87
11	.38	.03	.00	e.00	e.00	e.00	e.00	3.5	1.5	3.0	2.5	.00
12	.47	.00	.00	e.00	e.00	e.00	e.00	3.5	1.5	2.7	2.6	.00
13	.47	.00	e.00	e.00	e.00	e.00	e.00	3.4	1.5	2.1	2.6	.00
14	.46	.01	e.00	e.00	e.00	e.00	e.00	3.4	2.3	2.9	2.5	.00
15	.49	.00	e.00	e.00	e.00	e.00	e.00	3.4	6.3	2.4	2.5	.02
16	.66	.00	e.00	e.00	e.00	e.00	e.00	3.7	7.8	1.7	3.0	.22
17	.66	.00	e.00	e.00	e.00	e.00	e.00	5.1	7.7	2.1	2.7	.34
18	.73	.00	e.00	e.00	e.00	e.00	e.00	5.5	7.1	2.3	2.3	.30
19	.79	.00	e.00	e.00	e.00	e.00	e.00	5.6	6.9	1.9	2.4	.26
20	.79	.00	e.00	e.00	e.00	e.00	e.00	6.4	6.7	2.0	2.3	.27
21	.71	.00	e.00	e.00	e.00	e.00	e.00	7.9	7.2	1.8	2.2	.26
22	.47	.00	e.00	e.00	e.00	e.00	e.00	8.4	6.6	2.2	1.9	.26
23	.47	.00	e.00	e.00	e.00	e.00	e.00	8.6	5.8	2.5	1.6	.24
24	.41	.00	e.00	e.00	e.00	e.00	e.00	8.1	5.8	2.6	1.4	.23
25	.38	.00	e.00	e.00	e.00	e.00	1.0	3.6	6.6	3.2	1.9	.23
26	.35	.00	e.00	e.00	e.00	e.00	2.7	3.1	6.5	3.1	1.7	.21
27	.42	.00	e.00	e.00	e.00	e.00	3.2	3.0	6.0	2.0	1.5	.19
28	.36	.00	e.00	e.00	e.00	e.00	3.0	2.9	6.0	2.4	1.4	.19
29	.23	.00	e.00	e.00	---	e.00	2.8	2.8	4.8	2.6	.90	.15
30	.19	e.00	e.00	e.00	---	e.00	2.4	2.8	6.1	2.7	.47	.06
31	.16	---	e.00	e.00	---	e.00	---	2.5	---	2.5	1.1	---
TOTAL	10.71	.86	.00	.00	.00	.00	15.1	130.5	128.6	79.9	70.17	17.58
MEAN	.35	.029	.000	.000	.000	.000	.50	4.21	4.29	2.58	2.26	.59
AC-FT	21	1.7	.00	.00	.00	.00	30	259	255	158	139	35
MAX	.79	.13	.00	.00	.00	.00	3.2	8.6	7.8	5.5	4.4	2.7
MIN	.00	.00	.00	.00	.00	.00	.00	1.5	1.0	1.7	.47	.00
CAL YR 2004	TOTAL	405.02	MEAN	1.11	MAX	5.6	MIN	.00	AC-FT	803		
WTR YR 2005	TOTAL	453.42	MEAN	1.24	MAX	8.6	MIN	.00	AC-FT	899		
MAX DISCH:	8.76 CFS AT	08:00 ON	May 24, 2005	GH	1.06 FT.	SHIFT	.00 FT.					
MAX GH:	1.06 FT. AT	08:00 ON	May 24, 2005									

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE
WY2005 HYDROGRAPH



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 mi². Jan. 1920 to current year. Monthly data only for some periods.

GAGE.--Stevens A-71 graphic water stage-recorder and Sutron Satlink HDR DCP and shaft encoder on separate floats in a 42-inch diameter concrete well and a 64-inch by 64-inch cement block shelter. The floats are located inside of a 14-inch PVC oil cylinder. Also equipped with an air temperature sensor. The DCP record is the primary record. Datum of gage is 5,975.15 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record from the DCP is complete. It is reliable except for the following periods: stage-discharge relationship affected by ice Dec. 1-6, 23-29, 2004; Inlets plugged or partially plugged May 1-2 and 14-21, 2005. Record good except for flows from April 24-25 and May 24-25, 2005 which are fair (large flush corrections) and estimated flows, which are poor. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--LAPMEXCO32 USED FROM 01-OCT-2004 TO 30-SEP-2005

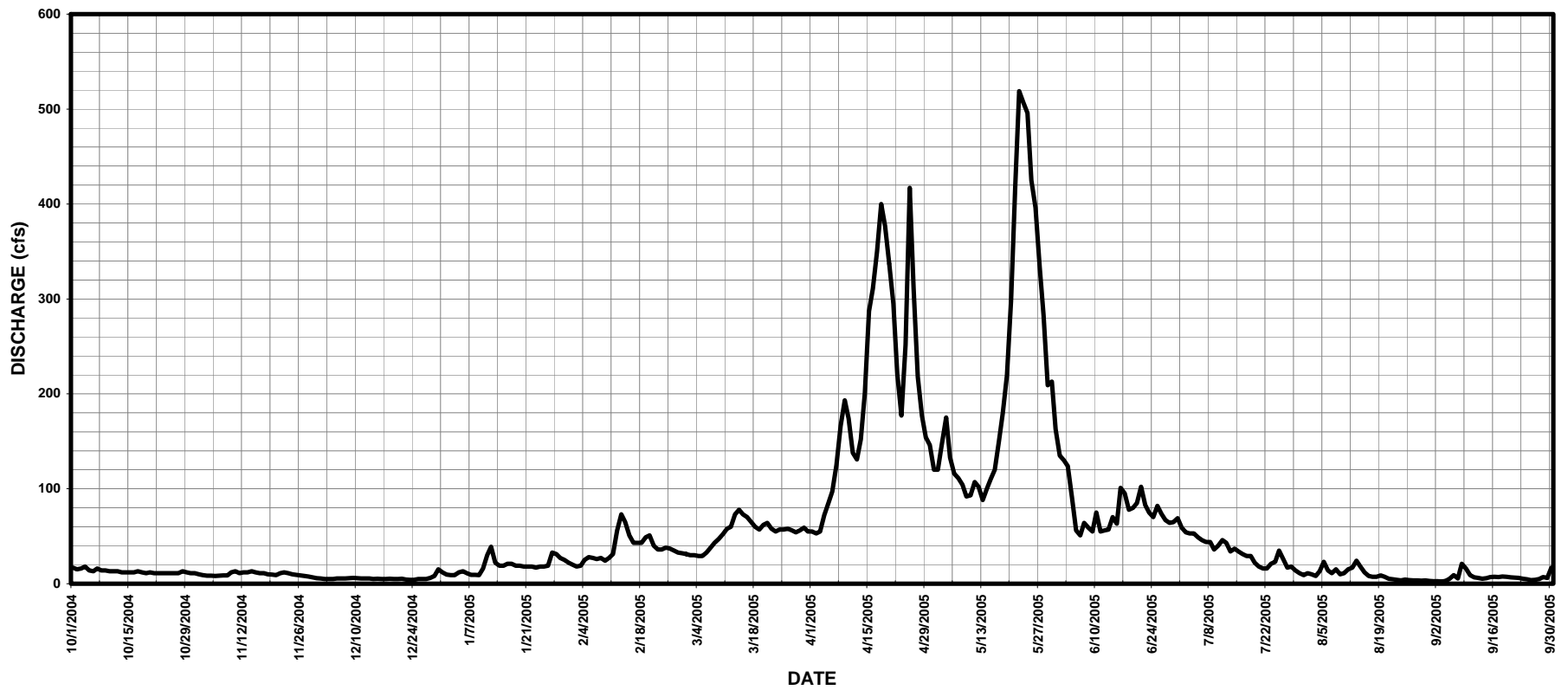
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	10	e5.5	9.5	20	31	55	e120	135	59	11	2.7
2	15	9.0	e5.0	9.0	18	30	53	e120	130	54	10	2.6
3	16	8.5	e5.0	9.0	19	30	55	148	124	53	8.0	2.2
4	18	8.4	e5.0	12	25	29	72	175	91	53	13	2.8
5	14	8.2	e5.5	13	28	29	85	133	56	49	23	5.2
6	13	8.4	e5.5	11	27	33	97	116	51	46	14	8.9
7	16	8.6	5.6	9.4	26	38	125	111	64	44	11	5.5
8	14	8.7	5.9	9.4	27	43	166	104	59	44	15	21
9	14	12	6.1	8.9	24	47	193	92	55	36	10	16
10	13	13	5.9	16	27	52	174	93	75	40	11	9.1
11	13	11	5.6	30	31	58	138	107	55	46	15	6.6
12	13	12	5.4	39	56	60	131	102	56	43	17	6.1
13	12	12	5.4	22	73	73	152	88	57	34	24	5.3
14	12	13	5.0	19	65	78	201	e100	70	37	18	5.7
15	12	12	5.1	19	51	73	287	e110	63	34	12	7.1
16	12	11	4.9	21	43	70	311	e120	101	31	8.0	7.2
17	13	11	4.9	21	43	65	350	e150	95	29	7.4	6.9
18	12	10	5.1	19	43	60	400	e180	78	29	7.4	7.7
19	11	9.5	5.0	19	49	57	377	e220	80	22	8.7	7.4
20	12	8.9	4.9	18	51	62	337	e300	85	18	7.3	6.6
21	11	11	5.1	18	40	64	295	e420	102	16	5.3	6.3
22	11	12	4.3	18	36	58	221	519	83	16	4.7	6.0
23	11	11	e4.0	17	36	55	177	507	75	21	4.1	5.3
24	11	10	e4.0	18	38	57	252	496	70	23	3.6	4.6
25	11	9.2	e5.0	18	37	57	417	425	82	35	4.5	3.8
26	11	8.6	e5.0	19	35	58	311	396	74	26	3.9	4.0
27	11	8.0	e5.0	33	33	56	218	334	67	17	3.4	4.9
28	13	7.7	e6.0	31	32	54	177	283	64	18	3.4	7.0
29	12	6.8	e8.0	27	---	56	154	209	65	14	3.1	6.1
30	11	5.8	15	25	---	59	146	213	69	11	3.4	17
31	11	---	12	22	---	55	---	163	---	9.0	2.9	---
TOTAL	396	295.3	179.7	580.2	1033	1647	6127	6654	2331	1007.0	293.1	207.6
MEAN	12.8	9.84	5.79	18.7	36.9	53.1	204	215	77.7	32.5	9.45	6.92
AC-FT	785	586	356	1150	2050	3270	12150	13200	4620	2000	581	412
MAX	18	13	15	39	73	78	417	519	135	59	24	21
MIN	11	5.8	4.0	8.9	18	29	53	88	51	9.0	2.9	2.2
CAL YR 2004	TOTAL	7497.56	MEAN	20.5	MAX	179	MIN	.00	AC-FT	14870		
WTR YR 2005	TOTAL	20750.9	MEAN	56.9	MAX	519	MIN	2.2	AC-FT	41160		

MAX DISCH: 650 CFS AT 16:45 ON May 22, 2005 GH 6.73 FT. SHIFT 0.07 FT.
MAX GH: 6.73 FT. AT 16:45 ON May 22, 2005 (Gage Height Corrected)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE
WY2005 HYDROGRAPH



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 mi².

GAGE.--Graphic water-stage recorder and a Sutron 8200 DCP and shaft encoder on separate floats in a 42" concrete well and 64"x64" cement block shelter. The Sutron 8200 DCP was replaced with a Sutron Satlink high data rate DCP on April 12, 2005. The DCP is the primary record. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete. Record is reliable except for the following periods: stage-discharge relationship affected by ice: Nov. 24-27 and 29-30; Dec. 2-7 and 10-31, 2004; Jan. 2-24, 29 and 31; Feb. 1-6, 9-10 and 26-28; March 2-4, 15-17, and 21-22, 2005. Inlets plugged: June 1-2, 2005. Record fair, except for estimated daily discharges and flows above 200 cfs, which are poor. Station maintained and record developed by Scott D. Brinton and Cheston Hart.

RATING TABLE.--MANMANCO08 USED FROM 01-OCT-2004 TO 25-MAY-2005
 MANMANCO09 USED FROM 25-MAY-2005 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

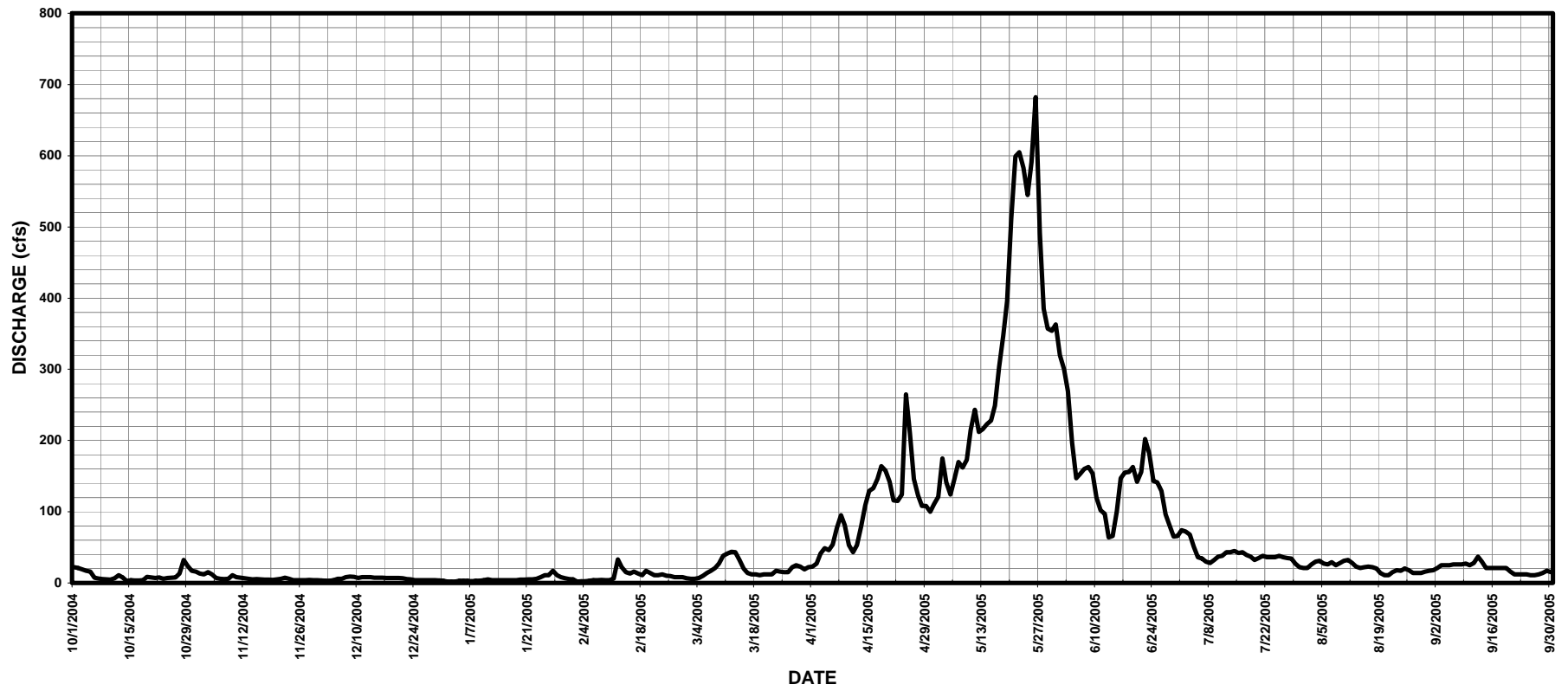
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	13	3.4	2.0	e5.0	6.7	23	111	e320	74	21	18
2	21	12	e3.0	e2.0	e2.0	e6.0	27	121	e300	72	26	21
3	19	15	e3.0	e2.0	e2.5	e6.0	41	175	269	68	30	25
4	17	12	e4.0	e3.0	e2.5	e7.0	49	141	197	51	31	25
5	16	6.9	e6.0	e3.0	e3.0	10	46	124	147	36	27	25
6	7.5	5.8	e6.0	e3.0	e4.0	14	54	147	153	34	26	26
7	6.1	5.5	e8.0	e2.5	4.0	17	77	170	160	30	29	26
8	5.3	5.9	8.9	e3.0	4.2	21	95	162	163	28	25	26
9	5.0	11	8.4	e3.0	e4.0	27	81	173	154	32	28	27
10	4.6	8.0	e7.0	e4.0	e4.0	38	53	215	120	37	31	25
11	6.4	7.4	e8.0	e5.0	6.1	41	43	243	102	38	32	28
12	11	6.4	e8.0	e4.0	33	44	53	212	97	43	28	37
13	7.9	5.9	e8.0	e4.0	22	43	79	216	64	43	23	30
14	2.6	5.0	e7.5	e4.0	15	32	109	223	66	45	21	21
15	3.7	5.4	e7.5	e4.0	13	e20	129	228	101	42	22	21
16	3.5	4.9	e7.5	e4.0	16	e14	133	249	147	43	23	21
17	3.3	4.6	e7.0	e4.0	13	e12	146	303	155	39	22	21
18	4.0	4.5	e7.0	e4.0	11	12	164	347	156	37	20	21
19	8.4	4.3	e7.0	e4.5	17	11	158	396	163	32	14	21
20	7.6	5.1	e7.0	e4.5	14	12	142	512	142	35	11	16
21	6.9	5.7	e6.5	e5.0	11	e12	116	599	156	38	11	12
22	7.6	7.2	e5.5	e5.0	11	e12	115	605	202	36	15	12
23	5.8	5.7	e5.0	e6.0	12	17	124	583	182	36	18	12
24	6.9	e4.0	e4.0	e8.0	10	16	265	545	143	36	17	12
25	7.3	e4.0	e4.0	11	9.7	15	211	591	141	38	20	11
26	7.8	e4.0	e4.0	11	e8.0	15	146	682	129	36	18	11
27	13	e4.0	e4.0	17	e8.0	22	123	492	96	35	14	12
28	32	4.3	e4.0	11	e8.0	25	108	385	81	34	14	14
29	24	e4.0	e4.0	e8.0	---	23	108	357	65	27	14	17
30	17	e4.0	e3.5	6.4	---	19	100	354	66	22	16	15
31	16	---	e3.0	e5.5	---	22	---	363	---	21	17	---
TOTAL	326.2	195.5	179.7	163.4	273.0	591.7	3118	10024	4437	1218	664	609
MEAN	10.5	6.52	5.80	5.27	9.75	19.1	104	323	148	39.3	21.4	20.3
AC-FT	647	388	356	324	541	1170	6180	19880	8800	2420	1320	1210
MAX	32	15	8.9	17	33	44	265	682	320	74	32	37
MIN	2.6	4.0	3.0	2.0	2.0	6.0	23	111	64	21	11	11

CAL YR	2004	TOTAL	7575.5	MEAN	20.7	MAX	138	MIN	2.6	AC-FT	15030
WTR YR	2005	TOTAL	21799.5	MEAN	59.7	MAX	682	MIN	2.0	AC-FT	43240

MAX DISCH: 791 CFS AT 23:00 ON May. 22, 2005 GH 5.67 FT. SHIFT 0.50 FT.
 MAX GH: 5.70 FT. AT 00:30 ON May. 21, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
 e-Estimated

09370000 MANCOS RIVER NEAR MANCOS CO
WY2005 HYDROGRAPH



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CARNERO CREEK NEAR LA GARITA	300
CATLIN CANAL, NEAR FOWLER	192
CHALK CREEK AT NATHROP	162
CHAPMAN GULCH NEAR NAST, CO	394
CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON NEAR DRAKE	77
CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON RIVER	81
CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON NEAR DRAKE	79
CHERRY CREEK AT THE MOUTH NEAR RED MESA	452
CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR	156
CLEAR CREEK AT DERBY	31
CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO	158
CLOSED BASIN PROJECT CANAL NEAR ALAMOSA	266
COAL CREEK NEAR PLAINVIEW	53
COLUMBINE DITCH NEAR FREEMONT PASS	228
CONEJOS RIVER BELOW PLATORO RESERVOIR	332
CONEJOS RIVER NEAR LASAUSES, CO (COMBINED)	346
CONEJOS RIVER NEAR LASAUSES, MAIN (NORTH) CHANNEL, CO	342
CONEJOS RIVER NEAR LASAUSES, SECONDARY (SOUTH) CHANNEL	344
CONEJOS RIVER NEAR MOGOTE	334
COTTON CREEK near MINERAL HOT SPRINGS	274

COTTONWOOD CREEK AT BUENA VISTA	160
COTTONWOOD CREEK near CRESTONE	292
CROOKED ARROYO NEAR SWINK	198
CUCCHARAS RIVER AT BOYD RANCH NEAR LA VETA	180
CUCCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA, CO (WY2003)	182
CULEBRA CREEK AT SAN LUIS	348

D

DEADMAN CREEK near CRESTONE	294
DEADMAN DITCH NEAR DEADMAN PARK	140
DILLE TUNNEL (EAST PORTAL) NEAR DRAKE	71
DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES	422
DOLORES TUNNEL OUTLET NEAR DOLORES, CO	418
DON LA FONT DITCH NO.2 AT PIEDRA PASS	360
DON LA FONT DITCH NO.1 AT PIEDRA PASS	358
DON LA FONT DITCH, COMBINED, AT PIEDRA PASS	362

E

EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA	112
EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE	124
ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE	458
EWING DITCH AT TENNESSEE PASS	230

F

FISH CREEK NEAR ESTES PARK	63
FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO	440
FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO	442
FRYINGPAN RIVER AT MEREDITH, CO	400
FRYINGPAN RIVER NEAR IVANHOE LAKE, CO	388
FRYINGPAN RIVER NEAR THOMASVILLE, CO	398

G

GARNER CREEK near VILLA GROVE	270
GOOSE CREEK AT WAGONWHEEL GAP	252
GRAND RIVER DITCH AT LA POUFRE PASS	128
GRAPE CREEK NEAR WESTCLIFFE	168
GUNNISON RIVER BELOW REDLANDS DIVERSION DAM NEAR GRAND JUNCTION	382

H

HAROLD D. ROBERTS TUNNEL NEAR GRANT	116
HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO	218
HOMESTAKE TUNNEL NEAR GOLD PARK	236
HORSE CREEK at HIGHWAY 194 nr LAS ANIMAS, CO	202
HUERFANO RIVER AT BADITO	178
HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING	176

I

ILLINOIS RIVER NEAR RAND	412
IVANHOE CREEK NEAR NAST, CO	390

K

KERBER CREEK NEAR VILLA GROVE, CO	268
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L

LA GARITA CREEK NEAR LA GARITA	302
LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN	314
LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO	446
LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE	460

LA PLATA RIVER AT HESPERUS	450
LAKE CREEK ABOVE TWIN LAKES RESERVOIR	150
LAKE CREEK BELOW TWIN LAKES	152
LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE	148
LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE	136
LARKSPUR DITCH NEAR MARSHALL PASS	244
LEFTHAND DIVERSION AT SO. ST. VRAIN CREEK NEAR WARD	39
LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO, CO	438
LITTLE OSO DIVERSION NEAR CHROMO, CO	436
Little Spring CREEK at Medano Ranch near Mosca, CO	296
LITTLE THOMPSON RIVER AT CANYON MOUTH NEAR BERTHOUD	87
LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES, CO	420
LONG HOLLOW AT THE MOUTH NEAR RED MESA	454
LOS PINOS RIVER NEAR ORTIZ	338

M

MAJOR CREEK near VILLA GROVE	272
MANCOS RIVER NEAR MANCOS	462
MICHIGAN DITCH AT CAMERON PASS	132
MICHIGAN RIVER near MEADOW CREEK RESERVOIR	408
MICHIGAN RIVER NEAR WALDEN	410
MIDDLE BOULDER CREEK AT NEDERLAND	43
MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY, CO	35
MUDDY CREEK ABOVE PAONIA RESERVOIR	370
MUDDY CREEK BELOW MUDDY CREEK DAM NEAR TOONERVILLE, CO	222
MUDDY CREEK BELOW PAONIA RESERVOIR	372

N

NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO	430
NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO	434
NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE	212
NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR	248
NORTH CRESTONE CREEK NEAR CRESTONE	284
NORTH FORK BIG THOMPSON RIVER AT DRAKE	69
NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO	396
NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK, AT GRANT	15
NORTON DRAIN NEAR LA SAUSES	318

O

OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES	67
OSO DIVERSION NEAR CHROMO, CO	432
OXFORD FARMERS DITCH NEAR NEPESTA, CO	184

P

PINE RIDGE DITCH NEAR HESPERUS, CO	448
PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS	366
PINOS CREEK NEAR DEL NORTE	258
PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE	146
PIONEER DITCH AT HEADGATE NEAR LAIRD	144
PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE	456
POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL, UT	416
PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE	210
PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, CO (COMBINED)	214
PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO	216
PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO (COMBINED)	220
PURGATORIE RIVER AT TRINIDAD, CO	206
PURGATORIE RIVER NEAR THATCHER, CO	208

R

RATON CREEK ABOVE STARKVILLE, CO	204
REDLANDS CANAL NEAR GRAND JUNCTION	380
RIO BLANCO AT MOUTH NEAR TRUJILLO	428
RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS	426
RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK, NEAR LASAUSES	320

RIO GRANDE AT ALAMOSA	264
RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO	262
RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE	246
RIO GRANDE NEAR DEL NORTE	256
RIO GRANDE NEAR LOBATOS	350
RIO GRANDE NEAR MONTE VISTA	260
RIO GRANDE RIVER at WAGONWHEEL GAP, CO.	250
RITO ALTO CREEK near CRESTONE	278
ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN	386
ROCKY FORK CREEK NEAR MEREDITH	402
RULE CREEK AT HWY 101 NEAR TOONERVILLE CO	224

S

SAGUACHE CREEK NEAR SAGUACHE	282
SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA	340
SAN ANTONIO RIVER AT ORTIZ	336
SAN ISABEL CREEK near CRESTONE	280
SANGRE DE CRISTO CREEK NEAR FORT GARLAND	326
SKYLINE DITCH NEAR CHAMBERS LAKE	134
SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK	47
SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS	49
SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS	51
SOUTH CANAL NEAR MONTROSE	376
SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES	316
SOUTH CRESTONE CREEK near CRESTONE	286
SOUTH FORK FRYINGPAN RIVER AT UPPER STATION NEAR NORRIE, CO	392
SOUTH FORK RIO GRANDE AT SOUTH FORK	254
SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR	1
SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR, NEAR HARTS	5
SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR	3
SOUTH PLATTE RIVER AT BALZAC	99
SOUTH PLATTE RIVER AT DENVER	29
SOUTH PLATTE RIVER AT HENDERSON	33
SOUTH PLATTE RIVER AT JULESBURG	107
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 1	103
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 2	101
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 4	105
SOUTH PLATTE RIVER AT SOUTH PLATTE	17
SOUTH PLATTE RIVER AT WATERTON	21
SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR	23
SOUTH PLATTE RIVER BELOW CHEESMAN LAKE	13
SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR	19
SOUTH PLATTE RIVER NEAR KERSEY	95
SOUTH PLATTE RIVER NEAR WELDONA	97
SOUTH PLATTE RIVER (below Elevenmile Reservoir) NEAR LAKE GEORGE	7
SOUTH ST. VRAIN CREEK NEAR WARD	37
SPANISH CREEK near CRESTONE	290
ST. VRAIN CREEK AT LYONS	41
ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE	55
ST. VRAIN SUPPLY CANAL NEAR LYONS	85
STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL	118

T

TABOR DITCH AT SPRING CREEK PASS	354
TARBELL DITCH NEAR COCHETOPA PASS	352
TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON	9
TARRYALL CREEK BELOW TARRYALL RESERVOIR	11
TREASURE PASS DITCH AT WOLF CREEK PASS	356
TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR	324
TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND	322
TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA	330
TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES	242

U

UNCOMPAHGRE RIVER NEAR OLATHE	378
UTE CREEK NEAR FORT GARLAND	328

V

VIDLER TUNNEL NEAR ARGENTINE PASS 120

W

WALTON CREEK NEAR STEAMBOAT SPRINGS, CO 406
WEMINUCHE PASS DITCH AT WEMINUCHE PASS 368
WIGHTMAN FORK AT MOUTH NEAR JASPER, CO 306
WIGHTMAN FORK BELOW CROPSY CREEK, NEAR SUMMITVILLE, CO 304
WILD CHERRY CREEK near CRESTONE 276
WILLIAMS CREEK-SQUAW PASS DITCH AT SQUAW PASS 364
WILLIAMS FORK AT MOUTH NEAR HAMILTON, CO 414
WILLOW CREEK near CRESTONE 288
WILSON SUPPLY DITCH NEAR EATON RESERVOIR 142
WIND RIVER BY-PASS NEAR ESTES PARK, CO. 59
WIND RIVER NEAR ESTES PARK 57
WURTZ DITCH EXTENSION NEAR LEADVILLE 234
WURTZ DITCH NEAR TENNESSEE PASS 232

Y

YAMPA RIVER ABOVE LAKE CATAMOUNT 404

2005 Water Year Stream Flow Data on CD

Mean daily flow values for gaging stations are available on a CD upon request from this Office. Each station's data are in a file named by an eight-character station identification code, followed by the filename extension "H??", where the ?? represents the year being searched. For example, the values for "Clear Creek at Derby, Colorado water year 2005 are in the file "CLEDERCO.H2005". A list of the eight character codes follows.

The files contain ASCII text information. There are two columns. The first column is the number of the day of the water year, and the second is that day's mean flow. October 1 is day number 1. September 30 is day 365, except in leap years when there would be 366 days. The first line of some "H" files may contain information on the instantaneous peak for the water year.

Station Identification Codes
for Data on Diskette and CD

DIV I

CODE	NAME
AHOMPLCO	AURORA HOMESTAKE PIPELINE
ADATUNCO	ALVA B. ADAMS TUNNEL AT EAST PORTAL, NEAR ESTES PARK
BCRMORCO	BEAR CREEK AT MORRISON
BCRSHECO	BEAR CREEK AT SHERIDAN
BERDITCO	BERTHOUD PASS DITCH AT BERTHOUD PASS
BFCLYOCO	BOULDER CREEK FEEDER CANAL NEAR LYONS
BIGLASCO	BIG THOMPSON AT MOUTH, NEAR LA SALLE
BOBGLNCO	BOB CREEK DITCH NEAR GLENDEVEY
BOCBGRCO	SOUTH BOULDER CREEK BELOW GROSS RESERVOIR
BOCELSCO	SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS
BOCMIDCO	MIDDLE BOULDER CREEK AT NEDERLAND
BOCOROCO	BOULDER CREEK NEAR ORODELL
BORDITCO	BOREAS PASS DITCH AT BOREAS PASS
BOSDELCO	SOUTH BOULDER CREEK, DIVERSION NR ELDORADO SPRINGS
BTABESCO	BIG THOMPSON RIVER ABOVE LAKE ESTES
BTBLESCO	BIG THOMPSON RIVER BELOW LAKE ESTES
BTCANYCO	BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE
BTPPMCCO	CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON
BUCRMVCO	BUCKHORN CREEK NEAR MASONVILLE
BTNFRDRCO	NORTH FORK BIG THOMPSON RIVER AT DRAKE
CAPDCPCO	CAMERON PASS DITCH NEAR CAMERON PASS
CLAFTCCO	CACHE LA POUUDRE AT CANYON MOUTH, NEAR FORT COLLINS
CLAGRECO	CACHE LA POUUDRE NEAR GREELEY
CLEDERCO	CLEAR CREEK AT DERBY
COCREPCO	COAL CREEK NEAR PLAINVIEW
DEADDPCCO	DEADMAN DITCH NEAR DEADMAN PARK
DILTUNCO	DILLE TUNNEL NEAR DRAKE
FISHESCO	FISH CREEK NEAR ESTES PARK
GRNDRDCO	GRAND RIVER DITCH AT LA POUUDRE PASS
HFCBBSCO	CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON
HFCWASCO	CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON
HSPTUNCO	HOOSIER PASS TUNNEL AT MONTGOMERY RES., NEAR ALMA
LAPTUNCO	LARAMIE POUUDRE TUNNEL
LEFTHDCO	LEFTHAND DIVERSION S. ST. VRAIN CREEK NEAR WARD
LTCANYCO	LITTLE THOMPSON RIVER AT CANYON MOUTH, NEAR BERTHOUD
MICDCPCO	MICHIGAN DITCH AT CAMERON PASS
MIDSTECO	MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY
MOFTUNCO	MOFFAT WATER TUNNEL, GILPIN COUNTY
OLYUNCO	OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES
ONEJURCO	SOUTH PLATTE RIVER AT JULESBURG CHANNEL #1
PIOHDGCO	PIONEER DITCH AT HEADGATE
PIOSTLCO	PIONEER DITCH AT CO/NE STATE LINE
PLAANTCO	SOUTH PLATTE RIVE BELOW ANTERO RESERVOIR
PLABALCO	SOUTH PLATTE RIVER AT COOPER BRIDGE, NEAR BALZAC
PLACHACO	SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR
PLACHECO	SOUTH PLATTE RIVER BL. CHEESMAN RESERVOIR
PLADENCO	SOUTH PLATTE RIVER AT DENVER
PLAGEOCO	SOUTH PLATTE RIVER NEAR LAKE GEORGE
PLAGRACO	NORTH FORK SOUTH PLATTE RIVER AT GRANT
PLAHARCO	SOUTH PLATTE RIVER ABOVE ELEVENMILE RESERVOIR
PLAHENCO	SOUTH PLATTE RIVER AT HENDERSON
PLAJUCCO	SOUTH PLATTE RIVER AT JULESBURG COMBINED

PLAJULCO	SOUTH PLATTE RIVER AT JULESBURG LEFT CHAN. #4
PLAJURCO	SOUTH PLATTE RIVER AT JULESBURG RIGHT CHAN. #2
PLAKERCO	SOUTH PLATTE RIVER NEAR KERSEY
PLASPICO	SOUTH PLATTE RIVER ABOVE SPINNEY RESERVOIR
PLASPLCO	SOUTH PLATTE RIVER AT SOUTH PLATTE
PLASTRCO	SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS
PLAWATCO	SOUTH PLATTE RIVER AT WATERTON
PLAWELCO	SOUTH PLATTE RIVER NEAR WELDONA
ROBTUNCO	ROBERTS TUNNEL AT EAST PORTAL NEAR GRANT
SKYDCLCO	SKYLINE DITCH AT CHAMBERS LAKE
SSVWARCO	SOUTH ST. VRAIN NEAR WARD
STCTUNCO	STRAIGHT CREEK TUNNEL AT EISENHOWER TUNNEL
SVCLYOCO	SAINT VRAIN CREEK AT LYONS
SVCLPLCO	ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE
SVSLYOCO	ST. VRAIN SUPPLY CANAL NEAR LYONS
TARBORCO	TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON
TARTARCO	TARRYALL CREEK BELOW TARRYALL RESERVOIR
VIDTUNCO	VIDLER TUNNEL NEAR ARGENTINE PASS
WINDESCO	WIND RIVER NEAR ESTES PARK
WINBYPCO	WIND RIVER BY-PASS NEAR ESTES PARK
WSDEARCO	WILSON SUPPLY DITCH NEAR EATON RESERVOIR

DIV II

CODE	NAME
ARKCACCO	ARKANSAS RIVER AND CATLIN CANAL COMBINED
ARKCANCO	ARKANSAS RIVER AT CANYON CITY
ARKCARCO	ARKANSAS RIVER BELOW X-Y DITCH DAM NEAR CARLTON
ARKCATCO	ARKANSAS RIVER BELOW CATLIN DAM NEAR FOWLER
ARKGRNCO	ARKANSAS RIVER AT GRANITE
ARKLAJCO	ARKANSAS RIVER AT LA JUNTA
ARKNEPCO	ARKANSAS RIVER NEAR NEPESTA
ARKNECCO	ARKANSAS RIVER AT NEPESTA ROAD BRIDGE COMBINED
ARKPORCO	ARKANSAS RIVER AT PORTLAND
ARKPUECO	ARKANSAS RIVER ABOVE PUEBLO
ARKROCCO	ARKANSAS RIVER AT ROCKY FORD
ARKSALCO	ARKANSAS RIVER AT SALIDA
ARKWELCO	ARKANSAS RIVER NEAR WELLSVILLE
BOUTUNCO	CHARLES H. BOUSTEAD TUNNEL
BUSTUNCO	BUSK-IVANHOE TUNNEL
CATCANCO	CATLIN CANAL AT CATLIN DAM, NEAR FOWLER
CANSWKCO	CROOKED ARROYO NEAR SWINK
CCACCRCO	CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR
CCBCCRCO	CLEAR CREEK BELOW CLEAR CREEK RESERVOIR
CHCRNACO	CHALK CREEK AT NATHROP
COLDITCO	COLUMBINE DITCH
COCRBVCO	COTTONWOOD CREEK NEAR BUENA VISTA
CRBRLVCO	CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA
CRHBLVCO	CUCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA
EWIDITCO	EWING DITCH
GRAWESCO	GRAPE CREEK NEAR WESTCLIFFE
HILCANCO	HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS
HOMTUNCO	HOMESTAKE TUNNEL
HRC194CO	HORSE CREEK AT HIGHWAY 194
HURREDCO	HUERFANO RIVER NEAR REDWING
LAKATLCO	LAKE CREEK ABOVE TWIN LAKES RESERVOIR
LAKBTLCO	LAKE CREEK BELOW TWIN LAKES RESERVOIR
LARDITCO	LARKSPUR DITCH AT MARSHALL PASS
LFCBSLCO	LAKE FORK CREEK BELOW SUGAR LOAF DAM NR. LEADVILLE
NMCHIGCO	NINEMILE CANAL AT NINEMILE DAM NEAR HIGBEE
OXFDITCO	OXFORD FARMERS DITCH NEAR NEPESTA
PURHILCO	PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS
PURHICCO	PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS (COMBINED)
PURNICCO	PURGATOIRE R AT NINEMILE DAM, NR HIGBEE COMBINED
PURNINCO	PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE
PURTRICO	PURGATOIRE RIVER AT TRINIDAD
RACRSTCO	RATON CREEK ABOVE STARKVILLE
TWITUNCO	TWIN LAKES TUNNEL
WURDITCO	WURTZ DITCH NEAR TENNESSEE PASS
WUREXTCO	WURTZ EXTENSION DITCH NEAR TENNESSEE PASS

DIV III

CODE	NAME
ALABELCO	ALAMOSA CREEK BELOW TERRACE RESERVOIR
ALARANCO	ALAMOSA RIVER BELOW RANGER CREEK
ALATERCO	ALAMOSA CREEK ABOVE TERRACE RESERVOIR
ALAWIGCO	ALAMOSA RIVER ABOVE WIGHTMAN FORK NEAR JASPER
BIGSPRING	BIG SPRING CREEK AT MEDANO RANCH
CARLAGCO	CARNERO CREEK NEAR LA GARITA
CBPALACO	CLOSED BASIN PROJECT CANAL NEAR ALAMOSA
CHECRECO	CHERRY CREEK NEAR CRESTONE
COCRMICO	COTTON CREEK NEAR MINERAL HOT SPRINGS
COCRESCO	COTTONWOOD CREEK NEAR CRESTONE
CONLASCO	COMBINED CONEJOS RIVER (NORLASCO SOULASCO)
CONMOGCO	CONEJOS RIVER NEAR MOGOTE
CONPLACO	CONEJOS RIVER BELOW PLATORO RESERVOIR
CULSANCO	CULEBRA CREEK AT SAN LUIS
DEDCRECO	DEADMAN CREEK NEAR CRESTONE
DLFCMBCO	DON LA FONT DITCH, COMBINED, AT PIEDRA PASS
DLFDT1CO	DON LA FONT DITCH NO. 1 AT PIEDRA PASS
DLFDT2CO	DON LA FONT DITCH NO. 2 AT PIEDRA PASS
GARVILCO	GARNER CREEK NEAR VILLA GROVE
GOOWAGCO	GOOSE CREEK AT WAGONWHEEL GAP
KERVILCO	KERBER CREEK NEAR VILLA GROVE
LAGLAGCO	LA GARITA CREEK NEAR LA GARITA
LAJCAPCO	LAJARA CREEK AT GALLEGOS RANCH NEAR CAPULIN
LOSORTCO	LOS PINOS RIVER NEAR ORTIZ
MAJVILCO	MAJOR CREEK NEAR VILLA GROVE
NCLCONCO	NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR
NOCRESCO	CRESTONE CREEK, NORTH NEAR CRESTONE
NORDLSCO	NORTON DRAIN NEAR LA SAUSES
NORDSCCO	SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES
NORLASCO	NORTH CHANNEL CONEJOS RIVER NEAR LASAUSES
PINDELCO	PINOS CREEK NEAR DEL NORTE
PRWDITCO	PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS
RIOALACO	RIO GRANDE RIVER AT ALAMOSA
RIODELCO	RIO GRANDE NEAR DEL NORTE
RIOLINCO	RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE
RIOLOBCO	RIO GRANDE NEAR LOBATOS
RIOMILCO	RIO GRANDE AT THIRTY MILE BRIDGE
RIOMONCO	RIO GRANDE AT MONTE VISTA
RIOWAGCO	RIO GRANDE RIVER AT WAGONWHEEL GAP
RIOSEKCO	SOUTH FORK RIO GRANDE RIVER AT SOUTH FORK
RITCRECO	RITO ALTO CREEK NEAR CRESTONE
RIOTRICO	RIO GRANDE RIVER ABOVE THE MOUTH OF TRINCHERA CREEK
SAGSAGCO	SAGUACHE CREEK NEAR SAGUACHE
SANCRECO	SAN ISABEL CREEK NEAR CRESTONE
SANFTGCO	SANGRE DE CRISTO CREEK NEAR FT. GARLAND
SANMANCO	SAN ANTONIO RIVER NEAR MANASSA
SANORTCO	SAN ANTONIO RIVER AT ORTIZ
SOUCRECO	SOUTH CRESTONE CREEK NEAR CRESTONE
SOULASCO	SOUTH CHANNEL CONEJOS RIVER NEAR LASAUSES
SPACRECO	SPANISH CREEK NEAR CRESTONE
TABDITCO	TABOR DITCH AT SPRING CREEK PASS
TARBELCO	TARBELL DITCH NEAR COCHETOPA PASS
TREDITCO	TREASURE PASS DITCH AT WOLF CREEK PASS
TRIMTNCO	TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR
TRISMICO	TRINCHERA CREEK BELOW SMITH RESERVOIR
TRITURCO	TRINCHERA CREEK AB. TURNER'S RANCH
UTEFTGCO	UTE CREEK NEAR FORT GARLAND
WCSBITCO	WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS
WEMDITCO	WEMINUCHE PASS DITCH AT WEMINUCHE PASS
WFKMOUCO	WIGHTMAN FORK AT MOUTH AT ALAMOSA RIVER
WILCRECO	WILLOW CREEK NEAR CRESTONE

DIV IV

CODE	NAME
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ABCLATCO	ABC LATERAL
GUNREDCO	GUNNISON RIVER BELOW REDLANDS DIVERSION DAM
MUDAPRCO	MUDDY CREEK ABOVE PAONIA RESERVOIR
MUDBPRCO	MUDDY CREEK BELOW PAONIA RESERVOIR
RLCGRJCO	REDLANDS CANAL NR GRAND JUNCTION
SOUCANCO	SOUTH CANAL NR MONTROSE
UNCOLACO	UNCOMPAHGRE RIVER NEAR OLATHE

DIV V

CODE	NAME
BLUNINCO	BLUE RIVER AT HIGHWAY 9 BRIDGE
ROABMCCO	ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN
FRYIVLCO	FRYINGPAN RIVER NEAR IVANHOE LAKE
IVCRNACO	IVANHOE CREEK NEAR NAST
FRYSFUCO	SOUTH FORK FRYINGPAN RIVER AT UPPER STATION
CHAGULCO	CHAPMAN GULCH NEAR NAST
FRYNFNCO	NORTH FORK FRYINGPAN RIVER NEAR NORRIE
FRYTHOCO	FRYINGPAN RIVER NEAR THOMASVILLE
FRYMERCO	FRYINGPAN RIVER AT MEREDITH
RFCMERCO	ROCKY FORK CREEK NEAR MEREDITH

DIV VI

CODE	NAME
ILLRANCO	ILLINOIS RIVER NEAR RAND
MICMERCO	MICHIGAN RIVER NEAR MEADOW CREEK RESERVOIR
MICWLDCO	MICHIGAN RIVER NEAR WALDEN
PTCKSLCO	POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL
WLTNCKCO	WALTON CREEK NEAR STEAMBOAT SPRINGS
WMFKHMCO	WILLIAMS FORK AT MOUTH NEAR HAMILTON
YAMABVCO	YAMPA RIVER ABOVE LAKE CATAMOUNT

DIV VII

CODE	NAME
ANIHOWCO	ANIMAS RIVER NEAR HOWARDSVILLE
BLADIVCO	BLANCO DIVERSION NEAR PAGOSA SPRINGS
CHEREDCO	CHERRY CREEK AT THE MOUTH NEAR RED MESA
DOLBMCCO	DOLORES RIVER BELOW MCPHEE RESERVOIR
DOLTUNCO	DOLORES TUNNEL OUTLET NEAR DOLORES
ENTDITCO	ENTERPRISE DITCH AT THE COLO-NEW MEXICO STATELINE
FLOALECO	FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO
FLOBLECO	FLORIDA RIVER BELOW LEMON RESERVOIR
LAPHESCO	LA PLATA RIVER AT HESPERUS
LAPMEXCO	LA PLATA RIVER AT THE COLORADO/NEW MEXICO LINE
LITOSOCO	LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO
LONREDCO	LONG HOLLOW AT THE MOUTH NEAR RED MESA
LOSODVCO	LITTLE OSO DIVERSION NEAR CHROMO
LPCDITCO	LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS
MANMANCO	MANCOS RIVER NEAR MANCOS
MVIDIVCO	LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES
NAVBANCO	NAVAJO RIVER AT BANDED PEAKS RANCH NEAR CHROMO
NAVOSOCO	NAVAJO RIVER BELOW OSO DIVERSION DAM NEAR CHROMO
OSODIVDO	OSO DIVERSION NEAR CHROMO
PINDITCO	PINE RIDGE DITCH NEAR HESPERUS
PIODITCO	PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE
RIOBLACO	RIO BLANCO BELOW BLANCO DIVERSION DAM NEAR PAGOSA
RIOMOUCO	RIO BLANCO AT THE MOUTH NEAR TRUJILLO