

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

NWS-FORM E-19A

REPORT ON RIVER GAGE STATION

SITE -----

LID: HNDC2 PROXIMITY: AT
NAME: HENDERSON
STREAM: SOUTH PLATTE RIVER
COUNTY/STATE: Adams, CO BASIN: SOUTH PLATTE

DRAINAGE: 4713.00	FLOOD STAGE: 10.00	STATION NO: PLAHENCO
RIVER MILE: 291.00	ACTION STAGE: 9.00	USGS NO: 06720500
ZERO DATUM: 4999.120	BANKFULL STAGE: 9.50	NESS ID: CE515416
CHECKBAR: 0.000	NORMAL POOL: 0.00	RFC: MBRFC
LATITUDE: 39 55 19	TIDAL EFFECTS: None	HSA: BOU
LONGITUDE: 104 52 04	FLOODCATS: MAJOR: 13.00	
	MODERATE: 11.00	
	MINOR: 10.00	

PERIOD OF RECORD: 5/1/1926 - PRESENT

OBSERVER -----

SERVICE DATE:	SPONSOR:
CD-404:	RATE: \$
HOME PHONE:	
WORK PHONE:	

DUTIES:		
RECIPIENT:	COMMS TYPE:	TASK:

GAGES -----

TELEM TYPE: ALERT	TELEM OWNER: State OGA	PHONE:
DCP ID: CE515416	DCP OWNER: COEOMA	
LATEST GAGE TYPE	START DATE	OWNER OF GAGE
float	04/17/1998	State OGA

CRESTS -----

	LEVEL	DATE
HIGHEST BASED ON GAGE READING:	12.93	06/17/1965
HIGHEST BASED ON HIGH WATERMARKS:		
HIGHEST SINCE 1/01/1993:	9.91	05/17/1995
HIGHEST SINCE 1/01/2003:		

REMARKS -----

THE GAGE WAS NOT MOVED BUT THE WATER LEVEL WAS RAISED. A GRADE CONTROL STRUCTURE WAS INSTALLED IN EARLY 2002 JUST DOWNSTREAM OF THIS GAGE BECAUSE THE THALWEG HAD CONTINUED TO SLOWLY DEGRADE FOR YEARS. THIS STRUCTURE ALLOWED PERMIT RECORDING OF LOW FLOWS.

HYDROLOGIST: TRESTE' HUSE

REVISED, PRINTED DATES: 10/09/2003, 10/09/2003

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

REPORT ON RIVER GAGE STATION

REVISED, PRINTED DATES: 10/09/2003, 10/09/2003

LOCATION: HENDERSON

STREAM: SOUTH PLATTE RIVER

BASIN: SOUTH PLATTE

HSA: BOU

REFERENCES:

PLATTE RIVER FLOODS OF 1973; USCOE, 1974.
SOCDWR RATING TABLE - UPDATED 10/02/2002
SOCDWR STATION DESCRIPTION - UPDATED 11/05/2002
UDFCD MAJOR DRAINAGEWAY PLANNING SOUTH PLATTE RIVER
USGS FORM 9-197; 1972
USGS PEAK STAGE & FLOW & LOWEST DAILY MEAN DATA
WRD COLORADO, PART 1 - 1965 THROUGH 1990.

ABBREVIATIONS:

BM	- bench mark	EPA	- Environmental Protection Agency
DS	- downstream	IBWC	- International Boundary and Water Comm.
US	- upstream	MSRC	- Mississippi River Commission
HW	- high water	MORC	- Missouri River Commission
LW	- low water	NOAA	- National Oceanic and Atmospheric Admin.
RB	- right bank	NOS	- National Ocean Survey
LB	- left bank	NWS	- National Weather Service
MGL	- mean gulf level	TVA	- Tennessee Valley Authority
MLW	- mean low water	USACE	- U.S. Army Corps of Engineers
MSL	- mean sea level	USBR	- U.S. Bureau of Reclamation
MLT	- mean low tide	USGS	- U.S. Geological Survey
MT	- mean tide	USWB	- U.S. Weather Bureau
WQ	- water quality	NGVD	- National Geodetic Vertical Datum
RM	- reference mark	NAD	- North American Datum
RP	- reference point		

LOCATION IDENTIFICATION: HNDC2
NWS INDEX NUMBER: PLAHENCO
USGS NUMBER: 06720500

MAP OF GAGE LOCATION

LATITUDE: 39 55 19
LONGITUDE: 104 52 04

SOURCE: SOCDWR STATION DESC.

LOCATION: SOUTH PLATTE RIVER AT HENDERSON, CO

ID: HNDC2

HSA: BOU

Revised, Printed Dates: 10/09/2003, 10/09/2003

NWS FORM E-19 PAGE 1: GAGE MAP

BENCHMARKS

ELEVATION OF GAGE ZERO: 4999.120
LEVELING AGENCY AND DATE:
RATING AGENCY: SOCDWR

VERTICAL DATUM: USGS FORM 9-197
CHECKBAR: 0.000

BENCHMARK	DESCRIPTION	GAGE ZERO	DATUM
RM5	RM5 IS 4 FEET IN CONCRETE, 4 FT EAST OF SHELTER. ELEV. 16.77 FT	16.770	5015.890
RM7	NAIL IN OLD BRIDGE WING WALL, 42.5 FT AROUND SE SIDE OF BUILDING FROM STATION DOOR		
RM8	NAIL IN CONCRETE SURROUNDING CAP OF AN OBSERVATION WELL, 67.5 FT, 160 DEGREES M FROM STATION DOOR.		

GAGES

DCP

TELEM

NESS ID: CE515416
 OWNER: COEOMA
 REPORT TIME: 00:03:00
 INTERVAL: 0400

TYPE OF TELEMETRY: ALERT
 OWNER: State OGA
 PHONE NUMBER:
 INTERVAL: 5
 PAYOR/COST OF LINE: State OGA / \$

GAGE TYPE	OWNER	MAINTENANCE	BEGAN	ENDED	GAGE LOCATION/REMARKS
float	COE	USGS	05/01/1926	04/16/1956	AT SITE 40 FT DOWNSTREAM. BEFORE 5/20/1942 AT DATUM 8 FT HIGHER THAN PRESENT DATUM. FROM 4/20/1942 TO 9/30/1953 AT DATUM 6 FT HIGHER THAN PRESENT DATUM. 10/1/1953 TO 4/16/1956 AT DATUM 3 FT HIGHER.
float	COE	USGS	04/17/1956	05/11/1969	4/17/56 TO 5/31/60 AT SITE 360 FT UPSTREAM AT DATUM 5 FT ABOVE PRESENT DATUM. 6/1/60 TO 5/11/69 AT SITE 1200 FT UPSTREAM AT DATUM 5 FT ABOVE PRESENT DATUM.
float	COE	USGS	05/11/1969	01/15/1986	5/11/69 TO 10/2/1969 AT SITE 500 FT DOWNSTREAM AT DATUM 3 FT ABOVE PRESENT DATUM. 10/3/1969 TO 1/15/1986 AT PRESENT SITE WITH DATUM 3 FT ABOVE PRESENT DATUM.
float	State DWR	State DWR	01/15/1986		
wireweight	State DWR	State DWR	01/15/1986		
float	State OGA	State OGA	04/17/1998		

HISTORY

PUBLICATION/LOCATION OF RECORDS -----		STARTING DATE -----	ENDING DATE -----
TYPE OF GAGE -----	OWNER -----	STARTING DATE -----	ENDING DATE -----
float	COE	05/01/1926	04/16/1956
float	COE	04/17/1956	05/11/1969
float	COE	05/11/1969	01/15/1986
float	State DWR	01/15/1986	
wireweight	State DWR	01/15/1986	
float	State OGA	04/17/1998	

ZERO ELEVATION -----	STARTING DATE -----
5007.120	05/01/1926
5005.120	04/20/1942
5002.120	10/01/1953
5004.120	04/17/1956
5002.120	05/11/1969
5003.120	06/01/1971
4999.120	01/15/1986

CRESTS

FLOOD STAGE: 10.00
FLOOD FLOW:

ACTION STAGE: 9.00
ACTION FLOW:

BANKFULL STAGE: 9.50

DATE OF CREST	TIME LST	CREST (ft)	FLOW (CFS)	FROM HIGH WATERMARKS	BASED ON OLD DATUM	CAUSED BY ICE JAM	REMARKS
05/09/1957	UNDEF	11.35	14800			X	
06/17/1965	UNDEF	12.93	29600			X	
05/08/1969	UNDEF	10.91	22100			X	
05/06/1973	UNDEF	11.67	33000				
05/17/1995	UNDEF	9.91	11600				

LOW WATER RECORDS

DATE OF LOW WATER	STAGE (ft)	FLOW (CFS)	REMARKS
04/10/1950	2.42	4	DATUM 6 FT ABOVE PRESENT DATUM

CONDITIONS AFFECTING FLOW

MILES ABOVE MOUTH: 291.0 DRAINAGE AREA: 4713.0 POOL STAGE: 0.0

STREAM BED: SAND AND GRAVEL

REACH: CHERRY CREEK CONFLUENCE TO BRIGHTON.

REGULATION: FLOW REGULATED TO SOME EXTENT BY UPSTREAM RESERVOIRS.
NATURAL FLOW AFFECTED BY TRANS-MOUNTAIN DIVERSIONS, STORAGE
RESERVOIRS, DIVERSIONS, DIVERSIONS FOR IRRIGATION OF ABOUT
253,000 ACRES, AND RETURN FLOW FROM IRRIGATED AREAS.

DIVERSION: NUMEROUS DIVERSIONS US AND DS FOR POWER AND IRRIGATION.

WINTER: RIVER STAYS OPEN DURING WINTER. LITTLE ICE EFFECT EXCEPT IN
EXTREMELY COLD TEMPERATURES.

TOPOGRAPHY: CHANNEL MAKES A VERY GRADUAL BEND TO RIGHT BEGINNING SEVERAL
HUNDRED FT ABOVE STATION AND CONTINUES SEVERAL HUNDRED FT
BELOW. BANK ON LEFT OF STREAM APPROXIMATELY 8 FEET HIGHT;
ON RIGHT BANK APPROXIMATELY 3 FEET LOWER.

REMARKS: SEVERAL SMALL ISLANDS ARE IN CHANNEL ABOVE AND ACROSS FROM
GAGE. BANKS ARE COVERED WITH TREES AND SUBJECT TO OVERFLOW
ONLY AT HIGH STAGES. BRIDGE DOWNSTREAM COULD HAVE SOME
INFLUENCE ON EXTREME HIGH STAGES.

DAMAGE

STAGE	AREAS AFFECTED
6.50	WATER OVER BIKE PATH PASSING UNDER COLORADO HIGHWAY 22.
7.50	WATER TO BIKE PATH PASSING UNDER COLORADO HIGHWAY 7.
9.00	ACTION STAGE.
9.50	OVERBANK FLOW IN AREAS FROM DOWNSTREAM OF BRIGHTON TO FORT LUPTON AREA. WATER BEGINS TO AFFECT AGRICULTURAL LANDS.
10.00	FLOOD STAGE. WATER OVER ROADS DOWNSTREAM IN FORT LUPTON AREA.
11.00	MODERATE DAMAGE TO AGRICULTURAL LANDS IN FORT LUPTON AREA.
13.00	WATER INTO YARDS/FIELDS NEAR THE GAGE IN THE HENDERSON AREA.
15.00	WATER INTO BUILDINGS IN HENDERSON.
15.50	WATER TO BASE OF COLORADO HIGHWAY 22 BRIDGE.
16.50	WATER INTO SOUTHERN SECTIONS OF BRIGHTON. WATER TO BASE OF COLORADO HIGHWAY 7 BRIDGE.

LOCATION: SOUTH PLATTE RIVER AT HENDERSON, CO

ID: HNDC2

HSA: BOU

Revised, Printed Dates: 10/09/2003, 10/09/2003
NWS FORM E-19 PAGE 8: DAMAGE

RIVER STAGE DATA

16.50 - WATER INTO SOUTHERN SECTIONS OF BRIGHTON. WATER TO BASE OF COLORADO HIGHWAY 7 BRIDGE.

15.50 - WATER TO BASE OF COLORADO HIGHWAY 22 BRIDGE.

15.00 - WATER INTO BUILDINGS IN HENDERSON.

13.00 - WATER INTO YARDS/FIELDS NEAR THE GAGE IN THE HENDERSON AREA.

11.00 - MODERATE DAMAGE TO AGRICULTURAL LANDS IN FORT LUPTON AREA.

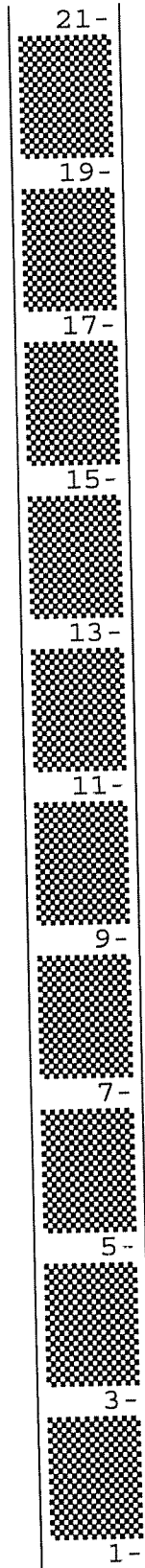
10.00 - FLOOD STAGE. WATER OVER ROADS DOWNSTREAM IN FORT LUPTON AREA.

9.50 - OVERBANK FLOW IN AREAS FROM DOWNSTREAM OF BRIGHTON TO FORT LUPTON AREA. WATER BEGINS TO AFFECT AGRICULTURAL LANDS.

9.00 - ACTION STAGE.

7.50 - WATER TO BIKE PATH PASSING UNDER COLORADO HIGHWAY 7.

6.50 - WATER OVER BIKE PATH PASSING UNDER COLORADO HIGHWAY 22.



12.93 06/17/1965

11.67 05/06/1973

11.35 05/09/1957

10.91 05/08/1969

9.91 05/17/1995

REACH: CHERRY CREEK CONFLUENCE TO BRIGHTON.

ELEVATION ZERO: 4999.12

LOCATION: SOUTH PLATTE RIVER AT HENDERSON, CO

Revised, Printed Dates: 10/09/2003, 10/09/2003

ID: HNDC2

HSA: BOU

NWS FORM E-19 PAGE 9: STAFF

STATION DESCRIPTION

Station number: 06720500

PLAHENCO

South Platte River at Henderson, Colorado

Revised by: Lee Cunning

Date 11-05-2002

LOCATION: Lat. 39°55'19", Long. 104°52'04", (Brighton, Colo., Quad. 1965, photo revised 1979, scale 1:24000) in the SE1/4 NE1/4 sec.34, T.1 S., R.67W. on right bank 500 ft. upstream from bridge on State Highway 22 and 0.2 miles West of Henderson

ESTABLISHMENT: Establishment by State Engineer's office May 1, 1926.

DRAINAGE: 4,713 sq. miles (from topographic map)

GAGE: Stevens A-35 recorder and digital shaft encoder in 42-inch corrugated metal pipe shelter 7ft high and well 14 ft deep. A shelter approximately 10' by 20' located 10' upstream from the well shelter houses an Accubar manometer and a Sutron 8210 DCP with modem card. The modem phone number is 303-659-2160. Upon the modem answering it prompts for #(pound) then gives the value for sensor 12-precipitation, sensor 35- shaft encoder in well, and sensor 68- Accubar. The well shaft encoder connects to the DCP through conduit running between shelters and is the primary record the Accubar is a backup and will become the primary during periods of low flow (GH 1.75 and below). The recorder is set by tape and weight from an adjustable reference point on the edge of recorder shelf. Cantilever chain gage 1 foot downstream of well. Well is connected to stream by three 2-inch intakes, each equipped with a riser pipe and gate valve. One moveable flushing funnel serves all intakes. Datum of gage is 4999.12 ft. above mean sea level, datum of 1929.

Pertinent Data:

Bottom of well = 14 ft

Intake lower = 13' (1 ft from bottom, ELEV=1.43)

Intake middle = 12' (2 ft from bottom, ELEV=1.77)

Intake upper = 11' (3 ft from bottom, ELEV=2.49)

R.P.= 20.848

Tape length =20.850

HISTORY: ^xMay 1, 1926, to April 19, 1942, water-stage recorder at site 40 ft downstream at datum 5.00 higher (5007.12 ft) ^xApril 20, 1942, to Sept. 30, 1953, water stage recorder at site 40 ft downstream at a datum 3.00-ft higher (5,005.12 ft) ^xOct. 1, 1953, to Apr. 16, 1956, water stage recorder at site 40 ft. downstream at datum 2.00 ft higher (5,002.12 ft) ^xApril 17, 1956, TO May 31, 1960, water stage recorder at site 360 ft upstream datum 2.00 ft higher (5,004.12 ft) ^xJune 1, 1960, to May 10, 1969, water stage recorder at site 1,200 ft upstream at datum 2.00-ft higher (5,004.12 ft) ^xMay 11, 1969, to Oct. 2, 1969, non-recording gage at site 500 ft downstream at datum (5,002.12 ft) ^xOct. 3, 1969, to Jan. 15, 1986, water stage recorder at present site with datum (5,002.12 ft) ^xJan. 15, 1986 water stage recorder at present site and datum (4999.12-ft) Oct. 23, 1997 Sutron 8210 DCP with modem card installed.

REFERENCE AND BENCHMARKS: R.M. nos.1, 2, 3, 4 and 6 destroyed. R.M. no. 5 = brass cap in concrete, 4 ft. east of shelter. Elev. 16.77 ft. R.M. nos.7 and 8 were established November 17, 1999. R.M. 7 = Nail in old bridge wing wall, 42.5 ft. around SE side of building from station door. R.M. 8 = Nail in concrete surrounding cap of an observation well, 67.5 ft, 160°M from station door.

CHANNEL AND CONTROL: Channel makes a very gradual bend to the right beginning several hundred feet above station and continues several hundred feet below. Several small islands are in channel above and across from gage. Bed is composed of sand and gravel. Banks are covered with trees and brush and are subject to overflow only at extreme high stages. A new Rock control was constructed during March and April of 2002. This control has raised the base Gage Height approximately 2.5 feet. A new rating PLAHENCO32 has been created during the 2002 water year for this new control. The bridge downstream could have some influence on extreme high stages.

DISCHARGE MEASUREMENTS: Low to medium stages measured by wading 10' downstream of the bridge. High stages measured from downstream side of the concrete bridge 500 feet downstream. Bridge marked at 4-ft intervals.

FLOODS: Maximum discharge: 29,000 cfs June 17, 1965 (gage height, 12.93 ft).

POINT OF ZERO FLOW: Not determined.

WINTER FLOW: River stays open during winter (effluent from Metro Denver keeps river from freezing.)

REGULATION AND DIVERSION: Natural flow of stream affected by trans-mountain diversions, storage reservoirs, diversions, diversions for irrigation of about 253,000 acres, and return flow from irrigated areas.

ACCURACY: With frequent measurements, records should be good.

COOPERATION: Station maintained by State Engineer of Colorado, in cooperation with U.S.G.S.

ROAD LOG: Take Highway 85 south from Greeley. Turn right on 124th Avenue (Hwy 22). Turn left on Brighton Road, Drive North 500 ft. Turn right onto access road and then forward (West) approximately 1,200 ft to gaging station.

STATE OF COLORADO
Division of Water Resources
OFFICE OF THE STATE ENGINEER

Rating Table ID: PLAHENCO32
Time of last edit: n/a

Gage	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09	DIFF
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.395	0.790	1.18	0.00
.40	1.58	1.97	2.37	2.76	3.16	3.55	3.94	4.34	4.73	5.13	1.58
.50	5.52	5.91	6.31	6.70	7.10	7.49	7.88	8.28	8.67	9.07	3.94
.60	9.46	9.85	10.2	10.6	11.0	11.4	11.8	12.2	12.6	13.0	3.94
.70	13.4	13.8	14.2	14.6	15.0	15.4	15.7	16.1	16.5	16.9	3.94
.80	17.3	17.7	18.1	18.5	18.9	19.2	19.6	20.0	20.4	20.8	3.90
.90	21.2	21.6	22.0	22.4	22.8	23.2	23.5	23.9	24.3	24.7	3.90
3.00	25.1	25.5	25.9	26.3	26.7	27.0	27.4	27.8	28.2	28.6	3.90
.10	29.0	29.4	29.8	30.2	30.6	31.0	31.3	31.7	32.1	32.5	3.90
.20	32.9	33.3	33.7	34.1	34.5	34.8	35.2	35.6	36.0	36.4	3.90
.30	36.8	37.2	37.6	38.1	38.5	38.9	39.3	39.7	40.2	40.6	3.90
.40	41.0	41.6	42.2	42.8	43.4	44.0	44.6	45.2	45.8	46.4	4.20
.50	47.0	47.8	48.5	49.2	50.0	50.8	51.5	52.2	53.0	53.8	6.00
.60	54.5	55.6	56.6	57.6	58.7	59.8	60.8	61.8	62.9	64.0	7.50
.70	65.0	66.3	67.6	68.9	70.2	71.5	72.8	74.1	75.4	76.7	10.5
.80	78.0	79.5	81.0	82.5	84.0	85.5	87.0	88.5	90.0	91.5	13.0
.90	93.0	94.9	96.8	98.7	101	102	104	106	108	110	15.0
4.00	112	114	116	118	120	122	125	127	129	131	19.0
.10	133	135	137	140	142	144	146	148	151	153	21.0
.20	155	158	160	162	165	168	170	172	175	178	22.0
.30	180	182	185	188	190	192	195	198	200	202	25.0
.40	205	208	211	214	217	220	223	226	229	232	25.0
.50	235	238	242	246	249	252	256	260	263	266	30.0
.60	270	274	277	280	284	288	291	294	298	302	35.0
.70	305	310	314	318	323	328	332	336	341	346	35.0
.80	350	355	361	366	372	377	382	388	393	399	45.0
.90	404	409	415	420	426	431	436	442	447	453	54.0
5.00	458	463	469	474	480	485	490	496	501	507	54.0
.10	512	517	523	528	534	539	544	550	555	561	54.0
.20	566	571	577	582	588	593	598	604	609	615	54.0

STATE OF COLORADO
Division of Water Resources
OFFICE OF THE STATE ENGINEER

Rating Table ID: PLAHENCO32
Time of last edit: n/a

Gage	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09	DIFF
.30	620	629	637	646	654	663	672	680	689	697	54.0
.40	706	715	723	732	740	749	758	766	775	783	86.0
.50	792	801	809	818	826	835	844	852	861	869	86.0
.60	878	887	895	904	912	921	930	938	947	955	86.0
.70	964	973	981	990	998	1010	1020	1020	1030	1040	86.0
.80	1050	1060	1080	1090	1100	1120	1130	1140	1150	1170	86.0
.90	1180	1190	1210	1220	1230	1240	1260	1270	1280	1300	130
6.00	1310	1320	1340	1350	1360	1380	1390	1400	1410	1430	130
.10	1440	1450	1470	1480	1490	1500	1520	1530	1540	1560	130
.20	1570	1580	1600	1610	1620	1640	1650	1660	1670	1690	130
.30	1700	1720	1740	1760	1780	1800	1810	1830	1850	1870	130
.40	1890	1910	1930	1950	1970	1980	2000	2020	2040	2060	190
.50	2080	2100	2120	2140	2160	2180	2190	2210	2230	2250	190
.60	2270	2290	2310	2330	2350	2360	2380	2400	2420	2440	190
.70	2460	2480	2500	2520	2540	2560	2570	2590	2610	2630	190
.80	2650	2680	2710	2740	2770	2800	2820	2850	2880	2910	190
.90	2940	2970	3000	3030	3060	3080	3110	3140	3170	3200	290
7.00	3230	3260	3290	3320	3350	3380	3400	3430	3460	3490	290
.10	3520	3550	3580	3610	3640	3660	3690	3720	3750	3780	290
.20	3810	3840	3870	3900	3930	3960	3980	4010	4040	4070	290
.30	4100	4140	4180	4210	4250	4290	4330	4370	4400	4440	290
.40	4480	4520	4560	4590	4630	4670	4710	4750	4780	4820	380
.50	4860	4900	4940	4970	5010	5050	5090	5130	5160	5200	380
.60	5240	5280	5320	5350	5390	5430	5470	5510	5540	5580	380
.70	5620	5660	5700	5730	5770	5810	5850	5890	5920	5960	380
.80	6000	6050	6100	6160	6210	6260	6310	6360	6420	6470	380
.90	6520	6570	6620	6680	6730	6780	6830	6880	6940	6990	520
8.00	7040	7090	7140	7200	7250	7300	7350	7400	7460	7510	520
.10	7560	7610	7660	7720	7770	7820	7870	7920	7980	8030	520
.20	8080	8130	8180	8240	8290	8340	8390	8440	8500	8550	520
.30	8600	8670	8740	8800	8870	8940	9010	9080	9140	9210	520
.40	9280	9350	9420	9480	9550	9620	9690	9760	9820	9890	680
.50	9960	10000	10100	10200	10200	10300	10300	10400	10500	10500	680
.60	10600										640
.70											
.80											
.90											
9.00											

Water Resources

Data Category:
Surface Water

Geographic Area:
Colorado

GO

Peak Streamflow for Colorado

USGS 06720500 SOUTH PLATTE RIVER AT HENDERSON, CO.

Available data for this site [Station home page](#)

GO

Adams County, Colorado Hydrologic Unit Code 10190003 Latitude 39°55'19", Longitude 104°52'04" NAD27 Drainage area 4,713.00 square miles Gage datum 4,999.12 feet above sea level NGVD29				Output formats Table Graph Tab-separated file WATSTORE formatted file Reselect output format			
Water Year	Date	Gage Height (feet)	Stream-flow (cfs)	Water Year	Date	Gage Height (feet)	Stream-flow (cfs)
1926	Jun. 14, 1926		3,350 ⁶	1964	May 29, 1964	6.17	4,460 ⁶
1927	Jun. 12, 1927		2,720 ⁶	1965	Jun. 17, 1965	12.93	29,600 ⁶
1928	Jun. 04, 1928		3,560 ⁶	1966	Sep. 02, 1966	4.19	1,750 ⁶
1929	Aug. 06, 1929		1,950 ⁶	1967	Apr. 13, 1967	5.94	3,700 ⁶
1930	Aug. 14, 1930		2,360 ⁶	1968	Aug. 10, 1968	5.42	3,350 ⁶
1931	Aug. 16, 1931		1,680 ⁶	1969	May 08, 1969	10.91	22,100 ⁶
1932	Jul. 14, 1932		1,290 ⁶	1970	Jun. 11, 1970	8.02	9,810 ⁶
1933	Sep. 10, 1933		5,600 ⁶	1971	Apr. 22, 1971	5.18	2,910 ⁶
1934	May 31, 1934		1,200 ⁶	1972	Jun. 06, 1972	6.01	4,470 ⁶
1935	Jun. 12, 1935		3,940 ⁶	1973	May 06, 1973	11.67	33,000 ⁶
1936	Aug. 03, 1936		3,610 ⁶	1974	Jun. 08, 1974	7.23	7,580 ⁶
1937	Jun. 02, 1937		3,200 ⁶	1975	Aug. 13, 1975	7.77	9,690 ⁶
1938	May 30, 1938		4,480 ⁶	1976	Aug. 01, 1976	6.28	5,160 ⁶
1939	Mar. 11, 1939		5,730 ⁶	1977	Jul. 25, 1977	5.46	4,330 ⁶
1940	Jul. 03, 1940		2,410 ⁶	1978	May 01, 1978	5.52	4,190 ⁶
1941	Jun. 22, 1941		3,710 ⁶	1979	May 02, 1979	7.41	7,600 ⁶
1942	Apr. 26, 1942		10,700 ⁶	1980	May 16, 1980	7.02	7,310 ⁶

1943	May 09, 1943		962 ⁶	1981	Jun. 03, 1981	4.67	2,910 ⁶
1944	May 17, 1944		2,720 ⁶	1982	May 13, 1982	6.19	5,050 ⁶
1945	Aug. 06, 1945		5,720 ⁶	1983	Jun. 27, 1983	7.58	12,300 ⁶
1946	Sep. 08, 1946		2,190 ⁶	1984	Aug. 21, 1984	6.73	10,800 ⁶
1947	Jun. 22, 1947		5,670 ⁶	1985	Jul. 20, 1985	6.74	12,100 ⁶
1948	May 31, 1948		7,920 ⁶	1986	Jul. 20, 1986	7.39	6,210 ⁶
1949	Jun. 14, 1949		8,850 ⁶	1987	Jun. 09, 1987	9.50	11,000 ⁶
1950	Jun. 17, 1950		3,520 ⁶	1988	Aug. 04, 1988	9.12	9,390 ⁶
1951	Aug. 03, 1951		3,890 ⁶	1989	Jun. 03, 1989	8.89	8,600 ⁶
1952	Jun. 10, 1952		2,500 ⁶	1990	May 29, 1990	8.87	8,210 ⁶
1953	Jul. 09, 1953		2,840 ⁶	1991	Jun. 01, 1991	9.06	9,720 ⁶
1954	Jul. 14, 1954	4.05	1,880 ⁶	1992	Aug. 24, 1992	9.80	11,400 ⁶
1955	Aug. 28, 1955	4.78	3,280 ⁶	1993	Jun. 18, 1993	6.88	4,260 ⁶
1956	Aug. 01, 1956	5.53	3,970 ⁶	1994	Aug. 11, 1994	6.84	4,180 ⁶
1957	May 09, 1957	11.35	14,800 ⁶	1995	May 17, 1995	9.91	11,600 ⁶
1958	May 25, 1958	6.06	4,560 ⁶	1996	May 26, 1996	8.22	7,560 ⁶
1959	May 21, 1959	4.96	3,200 ⁶	1997	Jul. 29, 1997	8.46	7,960 ⁶
1960	Jul. 04, 1960	4.73	2,240 ⁶	1998	Jul. 26, 1998	8.81	9,360 ⁶
1961	Jul. 31, 1961	5.40	3,160 ⁶	1999	Apr. 30, 1999	8.84	9,720 ⁶
1962	Jun. 29, 1962	4.14	1,750 ⁶	2000	Jul. 17, 2000	8.58	8,460 ⁶
1963	Jun. 16, 1963	5.97	3,940 ⁶	2001	Jul. 08, 2001	7.88	7,080 ⁶
				2002	Sep. 12, 2002	7.42	4,670 ⁶

Peak Streamflow Qualification Codes.

- 6 -- Discharge affected by Regulation or Diversion

Questions about data gs-w-co_NWISWeb_Data_Inquiries@usgs.gov
 Feedback on this website gs-w-co_NWISWeb_Maintainer@usgs.gov
 Surface Water for Colorado: Peak Streamflow
<http://waterdata.usgs.gov/co/nwis/peak?>

[Top](#)
[Explanation of terms](#)

Retrieved on 2003-10-10 14:46:38 EDT
 Department of the Interior, U.S. Geological Survey
 USGS Water Resources of Colorado
[Privacy Statement](#) || [Disclaimer](#) || [Accessibility](#)
 0.67 0.66 nadww01