

Prepared in cooperation with the State of Colorado and with other agencies

Water Resources Data Colorado Water Year 2004

By R.M. Crowfoot, W.F. Payne, G.B. O'Neill, and R.W. Boulger

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Preface

This volume of the annual hydrologic data report of Colorado is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources.

This volume is the culmination of a concerted effort by dedicated personnel of the U. S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to U.S. Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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13. ABSTRACT (Maximum 200 words) Water-resources data for Colorado for the 2004 water year published in this report consist of records of stage and discharge of streams; and stage and contents of one reservoir. This report contains discharge records for 312 gaging stations, stage and contents of 1 lake and reservoir, discharge measurements for 1 partial-record low-flow station and 1 miscellaneous site, and peak-flow information for 22 crest-stage partial-record stations. Three pertinent stations operated by bordering states, and 34 stations operated by the Colorado Division of Water Resources are included in this report. All records (except as just noted) were collected and computed by the Water Resources Discipline of the U.S. Geological Survey under the direction of J.E. Kircher, Director, USGS Colorado Water Science Center. These data represent that part of the National Water Information System collected by the U.S. Geological Survey and cooperating State and Federal agencies.

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and frequency of published data.)

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Gunnison River at Delta (D)	09144250	305
Uncompahgre River near Ouray (D)	09146020	306
Uncompahgre River near Ridgway (D)	09146200	307
Dallas Creek near Ridgway (D)	09147000	308
Uncompahgre River below Ridgway Reservoir (D)	09147025	309
Uncompahgre River at Colona (D)	09147500	310
Uncompahgre River at Delta (D)	09149500	311
Gunnison River near Grand Junction (D)	09152500	312
Colorado River near Colorado-Utah State line (D)	09163500	313
DOLORES RIVER BASIN		
Dolores River below Rico (D)	09165000	314
Dolores River at Dolores (D)	09166500	315
Lost Canyon Creek near Dolores (D)	09166950	316
Dolores River at Bedrock (D)	09169500	317
Dolores River near Bedrock (D)	09171100	318
San Miguel River near Placerville (D)	09172500	319
San Miguel River at Brooks Bridge near Nucla (D)	09174600	320
San Miguel River at Uravan (D)	09177000	321
GREEN RIVER BASIN		
Yampa River above Stagecoach Reservoir (D)	09237450	322
Yampa River below Stagecoach Reservoir (D)	09237500	323
Fish Creek at upper station near Steamboat Springs (D)	09238900	324
Yampa River at Steamboat Springs (D)	09239500	325
Elk River near Milner (D)	09242500	326
Yampa River above Elkhead Creek near Hayden (D)	09244490	327
Elkhead Creek above Long Gulch near Hayden (D)	09246200	328
Elkhead Creek below Maynard Gulch near Craig (D)	09246400	329
Fortification Creek, near Fortification (D)	09246920	330
Yampa River below Craig (D)	09247600	331
Yampa River near Maybell (D)	09251000	332

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER,
FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME—Continued

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Colorado River--Continued		
GREEN RIVER BASIN--Continued		
Yampa River--Continued		
Little Snake River near Slater (D)	09253000	333
Slater Fork near Slater (D)	09255000	334
Little Snake River near Lily (D)	09260000	335
Yampa River at Deerlodge Park (D)	09260050	336
White River below North Elk Creek near Buford (D)	09304115	337
White River above Coal Creek near Meeker (D)	09304200	338
White River near Meeker (D)	09304500	339
White River below Meeker (D)	09304800	340
Piceance Creek below Ryan Gulch near Rio Blanco (D)	09306200	341
Piceance Creek at White River (D)	09306222	342
Yellow Creek:		
Corral Gulch near Rangely (D)	09306242	343
Yellow Creek near White River (D)	09306255	344
White River below Boise Creek near Rangely (D)	09306290	345
SAN JUAN RIVER BASIN		
San Juan River at Pagosa Springs (D)	09342500	346
San Juan River near Carracas (D)	09346400	347
Piedra River near Arboles (D)	09349800	348
Vallecito Creek near Bayfield (D)	09352900	349
Los Pinos River near Ignacio (D)	09353800	350
Los Pinos River at La Boca (D)	09354500	351
Spring Creek at La Boca (D)	09355000	352
Animas River at Silverton (D)	09358000	353
Cement Creek at Silverton (D)	09358550	354
Mineral Creek at Silverton (D)	09359010	355
Animas River below Silverton (D)	09359020	356
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La Plata River at Hesperus (D)	09365500	358
La Plata River at Colorado-New Mexico State line (D)	09366500	359
Mancos River near Towaoc (D)	09371000	360
McElmo Creek:		
Mud Creek at Highway 32 near Cortez (D)	09371492	361
McElmo Creek above Trail Canyon near Cortez (D)	09371520	362
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OTHER HYDROLOGIC STATIONS FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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DATA-COLLECTION SITES FOR THE WATER YEAR 2004
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(Letter after station name designates type and frequency of data collected.)

Daily tables: (D) discharge, (D*) discharge—gage operated by Colorado Division of Water Resources, (C) specific conductance, (S) sediment, (T) temperature, (E) elevation or contents, (O) dissolved oxygen, (P) pH, (R) precipitation, (TU) turbidity, (A) air temperature.

Periodic tables: (c) chemical, (b) biological, (d) discharge partial-record station, (e) elevation or contents, (m) microbiological, (s) sediment, (t) temperature.)

Station number
(Link to NWISWeb)

MISSOURI RIVER BASIN

Missouri River:

PLATTE RIVER BASIN

North Platte River:

Michigan River near Cameron Pass (D) 06614800

Illinois River below Ish Baldwin Ditch near Walden (D) 06618300

Illinois River below Potter Creek near Walden (D) 06618480

North Platte River near Northgate (D) 06620000

South Platte River:

Middle Fork South Platte River:

Mosquito Creek near Alma (D) 06693800

Tarryall Creek at upper station near Como (D) 06696980

South Platte River above Cheesman Lake (DR) 06700000

South Platte River below Cheesman Lake (D*) 06701500

Fourmile Creek above mouth near Deckers (DR) 06701550

Trout Creek below Fern Creek near Westcreek (DR) 06701620

West Creek above Shrewsbury Gulch near Westcreek (DR) 06701700

South Platte River below Brush Creek near Trumbull (D,TU) 06701900

North Fork South Platte River:

North Fork South Platte River above Elk Creek at Pine (DR) 06706400

South Platte River at South Platte (D*) 06707500

Plum Creek:

East Plum Creek below Haskins Gulch near Castle Rock (D) 06708800

Plum Creek near Sedalia (D) 06709000

Plum Creek at Titan Road near Louviers (D) 06709530

Big Dry Creek below C-470 at Highlands Ranch (D) 06710150

South Platte River below Union Avenue at Englewood (D) 06710247

Bear Creek above Evergreen (D) 06710385

Bear Creek at Morrison (D*) 06710500

Bear Creek above Bear Creek Lake near Morrison (D) 06710605

Turkey Creek near Indian Hills (D) 06710992

Bear Creek at mouth, at Sheridan (D*) 06711500

South Platte River at Englewood (DTPCO) 06711565

Cherry Creek near Franktown (D) 06712000

Cherry Creek near Parker (D) 393109104464500

Cherry Creek below Cherry Creek Lake (D) 06713000

Cherry Creek at Denver (D) 06713500

South Platte River at Denver (D*) 06714000

South Platte River at 64th Avenue, at Commerce City (D) 06714215

Sand Creek at mouth near Commerce City (D) 394839104570300

Clear Creek:

South Clear Creek:

Leavenworth Creek at mouth near Georgetown (D) 06714800

Clear Creek above Georgetown Lake near Georgetown (D) 394308105413800

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Missouri River—Continued

PLATTE RIVER BASIN—Continued

Clear Creek—Continued	
Georgetown Lake near Georgetown (E)	394359105411901
Clear Creek above West Fork Clear Creek near Empire (D)	06715000
West Fork Clear Creek above mouth near Empire (D)	06716100
Clear Creek near Lawson (D)	06716500
Chicago Creek below Devils Canyon near Idaho Springs (D)	06717400
Clear Creek above Johnson Gulch near Idaho Springs (D)	06718300
North Clear Creek above mouth near Blackhawk (D)	06718550
Clear Creek at Golden (D)	06719505
South Platte River at Henderson (D*)	06720500
Big Dry Creek at Westminster (D)	06720820
Big Dry Creek at mouth near Fort Lupton (D)	06720990
South Platte River at Fort Lupton (D)	06721000
St. Vrain Creek below Longmont (D)	06725450
Boulder Creek at North 75th Street near Boulder (D)	06730200
Coal Creek near Louisville (D)	06730400
Boulder Creek at mouth near Longmont (D)	06730500
Big Thompson River below Moraine Park near Estes Park (D)	402114105350101
Lake Estes near dam near Estes Park (tcmb)	402231105291900
Horsetooth Reservoir near Fort Collins (tcmb)	06737500
Horsetooth Reservoir near Spring Canyon Dam near Fort Collins (tcmb)	403147105083800
Big Thompson River at mouth of canyon near Drake (D*)	06738000
Big Thompson River at Loveland (Dct)	06741510
Carter Lake near Berthoud (tcmb)	06742500
Cache la Poudre River:	
Joe Wright Creek above Joe Wright Reservoir (D)	06746095
Joe Wright Creek below Joe Wright Reservoir (D)	06746110
North Fork Cache la Poudre River below Halligan Reservoir near Virginia Dale (D)	06751150
North Fork Cache la Poudre River at Livermore (D)	06751490
Cache la Poudre River at mouth of canyon near Fort Collins (D*)	06752000
Cache la Poudre River at Shields Street, at Fort Collins (ct)	06752258
Cache la Poudre River at Fort Collins (Dct)	06752260
Cache la Poudre River below Fort Collins (ct)	06752270
Cache la Poudre River above Boxelder Creek near Timnath (Dct)	06752280
Lonetree Creek near Greeley (D)	06753990
South Platte River near Kersey (D*)	06754000
South Platte River near Weldona (D*ctm)	06758500
South Platte River at Fort Morgan (D)	06759500
South Platte River at Julesburg (D*)	06764000

LOWER MISSISSIPPI RIVER BASIN

Mississippi River:

ARKANSAS RIVER BASIN

Arkansas River:

East Fork Arkansas River at Highway 24 near Leadville (D)	07079300
Arkansas River near Leadville (D)	07081200

DATA-COLLECTION SITES FOR THE WATER YEAR 2004
USGS COLORADO WATER SCIENCE CENTER DATA PROGRAM—Continued

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Mississippi River—Continued

ARKANSAS RIVER BASIN—Continued

Lake Fork Arkansas River:

Dinero Mine Drainage Tunnel below Turquoise Lake near Leadville (D)	391504106225200
Halfmoon Creek near Malta (D)	07083000
Arkansas River below Empire Gulch near Malta (D)	07083710
Arkansas River at Granite (D*CTct)	07086000
Arkansas River below Granite (D)	07087050
Arkansas River near Nathrop (DT)	07091200
Arkansas River near Wellsville (D*ct)	07093700
Arkansas River at Parkdale (DT)	07094500
Arkansas River at Canon City (D*CT)	07096000
Fourmile Creek below Cripple Creek near Victor (D)	07096250
Arkansas River at Portland (D*CTct)	07097000
Beaver Creek above Upper Beaver Cemetery near Penrose (D)	07099050
Beaver Creek above Highway 115 near Penrose (D)	07099060
Arkansas River near Portland (ct)	07099200
Turkey Creek near Fountain (D)	07099215
Turkey Creek above Teller Reservoir near Stone City (D)	07099230
Teller Reservoir near Stone City (E)	07099233
Turkey Creek East Seepage below Teller Reservoir near Stone City (D)	382629104493000
Turkey Creek West Seepage below Teller Reservoir near Stone City (D)	382628104493700
Turkey Creek near Stone City (D)	07099235
Teller Reservoir Spillway near Stone City (DR)	07099238
Pueblo Reservoir near Pueblo (ct)	07099350
Arkansas River above Pueblo (D*ctCT)	07099400
Wild Horse Creek at mouth at Pueblo (ct)	381628104381700
Arkansas River at St. Charles Mesa Diversion, at Pueblo (C)	07099969
Arkansas River at Moffat Street, at Pueblo (DctCT)	07099970
Fountain Creek at Green Mountain Falls (DR)	07099990
Fountain Creek near Colorado Springs (Dctsm)	07103700
Camp Creek at Garden of the Gods (D)	07103703
Fountain Creek at 8th Street, at Colorado Springs (cmts)	07103707
Monument Creek:	
North Monument Creek at Spring Street at Palmer Lake (DR)	07103740
Monument Creek above North Gate Boulevard at U.S. Air Force Academy (DctmsR)	07103780
West Monument Creek below Rampart Reservoir (D)	07103797
West Monument Creek at U.S. Air Force Academy (DR)	07103800
Kettle Creek above Old Ranch Road near Colorado Springs (cmts)	385854104470100
Kettle Creek above U.S. Air Force Academy (dRctms)	07103960
Pine Creek above Highway 83 at Colorado Springs (cmts)	385750104475001
Monument Creek above Woodmen Road at Colorado Springs (DctmsS)	07103970
Cottonwood Creek at Cowpoke Road, at Colorado Springs (dctms)	07103977
Cottonwood Creek at Woodmen Road near Colorado Springs (DRs)	07103980
Cottonwood Creek Tributary above Rangewood Drive at Colorado Springs (dctms)	07103985
Cottonwood Creek at mouth at Pikeview (DctmsS)	07103990
Monument Creek at Pikeview (D)	07104000
Monument Creek Tributary 1 near Pulpit Rock at Colorado Springs (cmts)	385501104483701
North Rockrimmon Creek above Delmonico Drive at Colorado Springs (dctms)	07104050
Monument Creek Tributary 2 below Fillmore Street at Colorado Springs (cmts)	385204104510101

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Station number
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Mississippi River—Continued

ARKANSAS RIVER BASIN—Continued

Monument Creek—Continued	
Monument Creek Tributary 2 at Sondermann Park at Colorado Springs (cmts)	385124104501301
Monument Creek at Bijou Street at Colorado Springs (DctmsRS)	07104905
Bear Creek near Colorado Springs (Dctms)	07105000
Bear Creek above 8th Street at Colorado Springs (dcmts)	384909104504401
Cheyenne Creek at Evans Avenue at Colorado Springs (DR)	07105490
Fountain Creek at Colorado Springs (DctmsS)	07105500
Fountain Creek below Janitell Road below Colorado Springs (DctmsR)	07105530
Sand Creek above mouth at Colorado Springs (DctmsS)	07105600
Fountain Creek at Security (DctmsS)	07105800
Jimmy Camp Creek at Fountain (Dctms)	07105900
Rock Creek above Fort Carson Reservation (D)	07105945
Fountain Creek near Fountain (DctmsCPTO)	07106000
Williams Creek at the mouth near Wigwam (cmts)	383347104373401
Sutherland Ditch at mouth near Pinon (cmts)	382625104353701
Fountain Creek near Pinon (DctmsR)	07106300
Fountain Creek at Pueblo (DctmsCTS)	07106500
Pueblo Wastewater Treatment Plant Outfall (ct)	381522104342100
CF&I Steel Corporation Outfall (ct)	381530104333200
St. Charles River at Vineland (Dct)	07108900
Arkansas River near Avondale (DctCPTO)	07109500
Huerfano River near Boone (D)	07116500
Apishapa River near Fowler (DR)	07119500
Arkansas River at Catlin Dam near Fowler (D*ctCT)	07119700
Lake Meredith Outlet at Highway 71 near Ordway (CTct)	07120480
Arkansas River near Rocky Ford (ct)	07120500
Timpas Creek at mouth near Swink (D)	07121500
Arkansas River at La Junta (D*)	07123000
Arkansas River at Las Animas (DCT)	07124000
Purgatoire River at Madrid (DR)	07124200
Trinidad Lake near Trinidad (E)	07124400
Purgatoire River below Trinidad Lake (D)	07124410
Van Bremer Arroyo near Tyrone (DR)	07126140
Van Bremer Arroyo near Model (DRsS)	07126200
Purgatoire River near Thatcher (DR)	07126300
Taylor Arroyo below Rock Crossing near Thatcher (DRS)	07126325
Lockwood Canyon Creek near Thatcher (DRS)	07126390
Red Rock Canyon Creek at mouth near Thatcher (DRS)	07126415
Bent Canyon Creek at mouth near Timpas (DRS)	07126480
Purgatoire River at Rock Crossing near Timpas (DsSR)	07126485
Purgatoire River near Las Animas (DR)	07128500
John Martin Reservoir at Caddoa (E)	07130000
Arkansas River below John Martin Reservoir (DCT)	07130500
Arkansas River at Lamar (D)	07133000
Big Sandy Creek near Lamar (DR)	07134100
Arkansas River near Granada (D)	07134180
Wild Horse Creek above Holly (D)	07134990
Frontier Ditch near Coolidge, KS (D)	07137000

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Mississippi River—Continued

ARKANSAS RIVER BASIN—Continued

Arkansas River near Coolidge, KS (D) **07137500**

WESTERN GULF OF MEXICO BASINS

RIO GRANDE BASIN

Rio Grande:

South Fork Rio Grande at South Fork (D*) **08219500**

Rio Grande near Del Norte (D*) **08220000**

Closed Basin in San Luis Valley:

Kerber Creek above Little Kerber Creek near Villa Grove (D*) **08224500**

Saguache Creek near Saguache (D*ct) **08227000**

La Garita Creek near La Garita (D*) **08231000**

Closed Basin Project Canal near Alamosa (D*) **372833105455800**

Trinchera Creek:

Ute Creek near Fort Garland (D*) **08242500**

Conejos River below Platoro Reservoir (D*) **08245000**

Conejos River near Mogote (D*) **08246500**

San Antonio River at Ortiz (D*) **08247500**

Los Pinos River near Ortiz (D*) **08248000**

Conejos River near Lasauses (D*) **08249000**

Culebra Creek at San Luis (D*) **08250000**

Rio Grande near Lobatos (D*ct) **08251500**

COLORADO RIVER BASIN

Colorado River:

Colorado River below Baker Gulch near Grand Lake (D) **09010500**

Lake Granby near Granby (tcbm) **09018500**

Colorado River near Granby (D) **09019500**

FRASER RIVER BASIN

Fraser River at upper station near Winter Park (Dtc) **09022000**

Fraser River below Buck Creek at Winter Park (tc) **09023750**

Fraser River at Winter Park (D) **09024000**

Vasquez Creek at Winter Park (D) **09025000**

Fraser River below Vasquez Creek at Winter Park (tc) **09025010**

Elk Creek at upper station near Fraser (D) **09025300**

St. Louis Creek near Fraser (D) **09026500**

Fraser River at Tabernash (tc) **09027100**

Ranch Creek near Fraser (Dtc) **09032000**

Cabin Creek near Fraser (D) **09032100**

Ranch Creek below Cabin Creek near Tabernash (tcm) **395840105472700**

Ranch Creek below Meadow Creek near Tabernash (Dtc) **09033100**

Crooked Creek below Tipperary Creek near Tabernash (tcm) **395634105532401**

Crooked Creek above Pole Creek at Tabernash (tcm) **3959271055505700**

Pole Creek at upper station near Tabernash (tcm) **395901105550800**

Pole Creek at mouth near Tabernash (tcm) **395930105510700**

Fraser River below Crooked Creek at Tabernash (Dtc) **09033300**

Fraser River at Highway 40 at Granby (tcm) **400453105554200**

Tenmile Creek near Granby (tcm) **400352105550700**

DATA-COLLECTION SITES FOR THE WATER YEAR 2004
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Colorado River—Continued

FRASER RIVER BASIN—Continued

Fraser River—Continued

Tenmile Creek above mouth near Granby (tcm)	400433105560600
Colorado River at Windy Gap near Granby (Dct)	09034250

WILLIAMS FORK BASIN

Williams Fork:

Bobtail Creek near Jones Pass (D)	09034900
Williams Fork below Steelman Creek (D)	09035500
Williams Fork above Darling Creek near Leal (D)	09035700
Darling Creek near Leal (D)	09035800
South Fork Williams Fork near Leal (D)	09035900
Williams Fork near Leal (D)	09036000
Williams Fork near Parshall (D)	09037500
Williams Fork below Williams Fork Reservoir (D)	09038500

MUDDY CREEK BASIN

Muddy Creek above Antelope Creek near Kremmling (DtcmsCT)	09041090
Wolford Mountain Reservoir at Inflow near Kremmling (tc)	401110106244800
Wolford Mountain Reservoir at Midlake near Kremmling (tcmb)	400841106240600
Alkali Slough #2 at Wolford Mountain Reservoir near Kremmling (ct)	400812106254800
Wolford Mountain Reservoir near Kremmling (ectmb)	09041395
Muddy Creek below Wolford Mountain Reservoir near Kremmling (DctmCTO)	09041400

BLUE RIVER BASIN

Monte Cristo Creek (head of Blue River):

Monte Cristo Diversion near Hoosier Pass (D)	09041900
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Hoosier Creek:

Bemrose-Hoosier Diversion near Hoosier Pass (D)	09044300
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Blue River:

McCullough Creek:

McCullough-Spruce-Crystal Diversion near Hoosier Pass (D)	09044800
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Blue River at Blue River (D)

[09046490](#)

French Gulch at Breckenridge (D)

[09046530](#)

Blue River near Dillon (D)

[09046600](#)

Snake River near Montezuma (D)

[09047500](#)

Keystone Gulch near Dillon (D)

[09047700](#)

Tenmile Creek below North Tenmile Creek at Frisco (D)

[09050100](#)

Blue River below Dillon (D)

[09050700](#)

Straight Creek below Laskey Gulch near Dillon (D)

[09051050](#)

Blue River below Green Mountain Reservoir (D)

[09057500](#)

Colorado River near Kremmling (Dctm)

[09058000](#)

PINEY RIVER BASIN

Piney River below Piney Lake near Minturn (D)

[09058500](#)

Dickson Creek near Vail (D)

[09058610](#)

Freeman Creek near Minturn (D)

[09058700](#)

East Meadow Creek near Minturn (D)

[09058800](#)

Piney River near State Bridge (D)

[09059500](#)

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Colorado River—Continued

EAGLE RIVER BASIN

Eagle River:

East Fork Eagle River near Climax (D)	09061600
East Fork Eagle River near Red Cliff (ctm)	392511106164000
Eagle River at Red Cliff (Dctms)	09063000
Turkey Creek:	
Wearyman Creek near Red Cliff (D)	09063200
Turkey Creek near Red Cliff (D)	09063400
Homestake Creek:	
Missouri Creek near Gold Park (D)	09063900
Homestake Creek at Gold Park (D)	09064000
Homestake Creek near Red Cliff (D)	09064500
Eagle River near Minturn (DT)	09064600
Cross Creek near Minturn (D)	09065100
Gore Creek at upper station near Minturn (D)	09065500
Black Gore Creek near Minturn (D)	09066000
Bighorn Creek near Minturn (D)	09066100
Pitkin Creek near Minturn (D)	09066150
Booth Creek near Minturn (D)	09066200
Middle Creek near Minturn (D)	09066300
Gore Creek above Red Sandstone Creek at Vail (D)	09066325
Red Sandstone Creek near Minturn (D)	09066400
Gore Creek at mouth near Minturn (DctmsT)	09066510
Beaver Creek at Avon (D)	09067000
Eagle River at Avon (ctms)	09067005
Eagle River below Wastewater Treatment Plant at Avon (D)	09067020
Lake Creek near Edwards (D)	09067200
Eagle River below Milk Creek near Wolcott (ctms)	394220106431500
Eagle River at Gypsum (ctms)	09069000
Eagle River below Gypsum (DT)	09070000
Colorado River near Dotsero (D)	09070500
Colorado River above Glenwood Springs (ctTC)	09071750

ROARING FORK RIVER BASIN

Roaring Fork River above Difficult Creek near Aspen (Dctm)	09073300
Roaring Fork River near Aspen (D)	09073400
Hunter Creek near Aspen (D)	09074000
Fryingpan River:	
Ruedi Reservoir near Basalt (e)	09080190
Fryingpan River near Ruedi (D)	09080400
Roaring Fork River near Emma (Dctms)	09081000
Crystal River above Avalanche Creek near Redstone (Dctm)	09081600
Crystal River below Carbondale (Dctm)	09083800
Roaring Fork River at Glenwood Springs (DctmT)	09085000
Colorado River below Glenwood Springs (D)	09085100

DIVIDE CREEK BASIN

Divide Creek:

West Divide Creek near Raven (D)	09089500
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Station number
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Colorado River—Continued

RIFLE CREEK BASIN

Rifle Creek:

Rifle Gap Reservoir near Rifle (e) **09091900**

ROAN CREEK BASIN

Roan Creek:

Dry Fork at upper station near De Beque (Dcts) **09095300**

Colorado River near Cameo (DctCT) **09095500**

PLATEAU CREEK BASIN

Vega Reservoir near Collbran (e) **09096100**

Plateau Creek below Collbran (D) **09097900**

Plateau Creek near Cameo (DctCT) **09105000**

Colorado River below Grand Valley Diversion near Palisade (D) **09106150**

LEWIS WASH BASIN

Lewis Wash near Grand Junction (Dct) **09106200**

GUNNISON RIVER BASIN

Gunnison River:

Taylor River:

Taylor River at Taylor Park (D) **09107000**

Taylor River below Taylor Park Reservoir (D) **09109000**

Taylor River at Almont (D) **09110000**

East River above Slate River, near Crested Butte (ctmb) **384950106544200**

Coal Creek above mouth at Crested Butte (ctmbs) **385224106590100**

Washington Gulch below Woods Creek at Mt. Crested Butte (ctmb) **385325106581200**

Slate River near Crested Butte (Dctmbs) **09111500**

East River below Cement Creek near Crested Butte (Dctmbs) **09112200**

East River at Almont (Dctmb) **09112500**

Ohio Creek near Baldwin (cts) **09113500**

Ohio Creek above mouth near Gunnison (Dctmb) **09113980**

Gunnison River near Gunnison (Dctmb) **09114500**

Tomichi Creek at Sargents (D) **09115500**

Cochetopa Creek below Rock Creek near Parlin (D) **09118450**

Tomichi Creek below Cochetopa Creek near Parlin (ctmbs) **383126106475600**

Tomichi Creek at Gunnison (Dctmbs) **09119000**

Gunnison River at County Road 32 below Gunnison (ctmb) **383103106594200**

Lake Fork Gunnison River:

Henson Creek at Mouth near Lake City (cts) **380133107190000**

Lake Fork Gunnison River near Lake City (cts) **380233107180701**

Lake Fork at Gateview (D) **09124500**

Silver Jack Reservoir near Cimarron (e) **09125800**

Cimarron River near Cimarron (D) **09126000**

Gunnison River below Gunnison Tunnel (DCT, TU) **09128000**

Crawford Reservoir near Crawford (e) **09129550**

Muddy Creek (head of North Fork Gunnison River):

Paonia Reservoir near Bardine (e) **09131495**

DATA-COLLECTION SITES FOR THE WATER YEAR 2004
USGS COLORADO WATER SCIENCE CENTER DATA PROGRAM—Continued

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Station number
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Colorado River—Continued

GUNNISON RIVER BASIN—Continued

Gunnison River—Continued

North Fork Gunnison River near Somerset (D)	09132500
Hubbard Creek above Iron Point Gulch near Bowie (D)	09132940
Hubbard Creek at Highway 133 at mouth near Bowie (D)	09132960
East Fork Terror Creek below Cottonwood Stomp near Bowie (D)	09132985
Terror Creek at mouth near Bowie (D)	09132995
Minnesota Creek near Paonia (D)	09134000
North Fork Gunnison River below Paonia (D)	09134100
North Fork Gunnison River below Leroux Creek near Hotchkiss (D)	09135950
Tongue Creek:	
Surface Creek near Cedaredge (D)	09143000
Surface Creek at Cedaredge (D)	09143500
Fruit Growers Reservoir near Orchard City (e)	09143600
Gunnison River at Delta (D)	09144250
Uncompahgre River near Ouray (Dctm)	09146020
Uncompahgre River near Ridgway (Dctm)	09146200
Dallas Creek near Ridgway (D)	09147000
Ridgway Reservoir near Ridgway (e)	09147022
Uncompahgre River below Ridgway Reservoir (D)	09147025
Uncompahgre River at Colona (D)	09147500
Uncompahgre River at Delta (D)	09149500
Gunnison River near Grand Junction (DctCT)	09152500
Colorado River near Colorado-Utah State line (DctsCT)	09163500

DOLORES RIVER BASIN

Dolores River below Rico (D)	09165000
Dolores River at Dolores (D)	09166500
Lost Canyon Creek near Dolores (D)	09166950
Dolores River at Bedrock (DctCT)	09169500
West Paradox Creek above Bedrock (ct)	09170800
Dolores River near Bedrock (DctCT)	09171100
San Miguel River near Placerville (D)	09172500
San Miguel River at Brooks Bridge near Nucla (D)	09174600
San Miguel River at Uravan (D)	09177000

GREEN RIVER BASIN

Yampa River above Stagecoach Reservoir (D)	09237450
Yampa River below Stagecoach Reservoir (D)	09237500
Fish Creek at upper station near Steamboat Springs (D)	09238900
Yampa River at Steamboat Springs (DctmT)	09239500
Elk River near Milner (D)	09242500
Yampa River above Elkhead Creek near Hayden (D)	09244490
Elkhead Creek above Long Gulch near Hayden (D)	09246200
Elkhead Creek below Maynard Gulch near Craig (D)	09246400
Fortification Creek near Fortification (D)	09246920
Yampa River below Craig (Dctm)	09247600
Yampa River near Maybell (DctCPT)	09251000

DATA-COLLECTION SITES FOR THE WATER YEAR 2004
USGS COLORADO WATER SCIENCE CENTER DATA PROGRAM—Continued

Station number
(Link to NWISWeb)

Colorado River—Continued

GREEN RIVER BASIN—Continued

Yampa River—Continued

Little Snake River near Slater (D)	09253000
Slater Fork near Slater (D)	09255000
Little Snake River near Lily (D)	09260000
Yampa River at Deerlodge Park (DctmT)	09260050
White River:	
North Fork White River at Buford (ctm)	09303000
South Fork White River at Buford (ctm)	09304000
White River below North Elk Creek near Buford (D)	09304115
White River above Dry Creek near Meeker (ctm)	395650107435600
White River above Coal Creek near Meeker (Dctm)	09304200
White River near Meeker (D)	09304500
White River below Meeker (Dctms)	09304800
Piceance Creek below Ryan Gulch near Rio Blanco (Dcts)	09306200
Piceance Creek at White River (Dctms)	09306222
Yellow Creek:	
Corral Gulch near Rangely (Dcts)	09306242
Yellow Creek near White River (Dctms)	09306255
White River below Boise Creek near Rangely (Dctms)	09306290
White River below Taylor Draw Reservoir above Rangely (ctm)	09306305

SAN JUAN RIVER BASIN

San Juan River at Pagosa Springs (D)	09342500
San Juan River near Carracas (D)	09346400
Piedra River near Arboles (D)	09349800
Los Pinos River:	
Vallecito Creek near Bayfield (D)	09352900
Vallecito Reservoir near Bayfield (e)	09353000
Los Pinos River near Ignacio (D)	09353800
Los Pinos River at La Boca (D)	09354500
Spring Creek at La Boca (D)	09355000
Animas River at Silverton (D)	09358000
Cement Creek at Silverton (D)	09358550
Mineral Creek at Silverton (D)	09359010
Animas River below Silverton (Dct)	09359020
Animas River at Durango (D)	09361500
Florida River:	
Lemon Reservoir near Durango (e)	09362800
La Plata River at Hesperus (D*)	09365500
La Plata River at Colorado-New Mexico State line (D*)	09366500
Mancos River near Towaoc (D)	09371000
McElmo Creek:	
Mud Creek at Highway 32 near Cortez (DctCT)	09371492
McElmo Creek above Trail Canyon near Cortez (DctCT)	09371520
McElmo Creek near Colorado-Utah State line (Dct)	09372000

DATA-COLLECTION SITES FOR THE WATER YEAR 2004
USGS COLORADO WATER SCIENCE CENTER DATA PROGRAM—Continued

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Station number
(Link to NWISWeb)

**OTHER HYDROLOGIC STATIONS FOR WHICH RECORDS
WERE COLLECTED IN WATER YEAR 2004**

Discharge at partial-record stations and miscellaneous sites

Low-flow partial-record stations

Moniger Creek near Minturn **09058900**

Crest-stage partial-record stations

South Platte River Basin:

Lee Gulch at Littleton	06709740
Dutch Creek at Platte Canyon Drive, near Littleton	06709910
Little Dry Creek near Arapahoe Road	06711515
Willow Creek at Dry Creek Road, near Englewood	06711535
Little Dry Creek above Englewood	06711555
Harvard Gulch at Colorado Blvd. at Denver	06711570
Harvard Gulch at Harvard Park at Denver	06711575
Weir Gulch upstream from 1st Avenue, at Denver	06711618
Dry Gulch at Denver	06711770
Lakewood Gulch at Denver	06711780
Westerly Creek at Aurora	06714260
Lena Gulch at Lakewood	06719560
Little Dry Creek at Westminster	06719840

Arkansas River Basin:

Red Creek below Sullivan Park at Fort Carson	07099080
Kettle Creek above U.S. Air Force Academy	07103960
Cottonwood Creek at Cowpoke Road at Colorado Springs	07103977
Cottonwood Creek Tributary above Rangewood Drive at Colorado Springs	07103985
North Rockrimmon Creek above Delmonico Drive at Colorado Springs	07104050
Bear Creek above 8th Street at Colorado Springs	384909104504401
Big Arroyo near Thatcher	07120620
Big Sandy Creek above Amity Canal Diversion near Kornman	07134000

Colorado River Basin:

Moniger Creek near Minturn	09058900
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Special study and miscellaneous sites

East Fork Arkansas River at Highway 91	07079195
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Meteorological stations at miscellaneous sites

Precipitation data at sites on Fort Carson Military Reservation

MPRC Meteorological Station at Fort Carson	382731104473701
Range One Meteorological Station at Fort Carson	384339104461201
Rod and Gun Meteorological Station at Fort Carson	384053104492001
Sullivan Park Meteorological Station at Fort Carson	383159104540701
Young Hollow Meteorological Station at Fort Carson	383109104431301

Precipitation data at sites on Pinon Canyon Maneuver Site

Bear Springs Hills Meteorological Station near Houghton	373232103555201
Brown Sheep Camp Meteorological Station near Tyrone	372319104073301
Burson Well Meteorological Station near Thatcher	373004104032001

DATA-COLLECTION SITES FOR THE WATER YEAR 2004
USGS COLORADO WATER SCIENCE CENTER DATA PROGRAM—Continued

Station number
(Link to NWISWeb)

Precipitation data at sites on Pinon Canyon Maneuver Site—Continued

Cantonment Meteorological Station near cemetery at Simpson	372959104092201
Cantonment Windmill Meteorological Station near Tyrone	372532104093001
CIG Pipeline South Meteorological Station near Simpson	372721103595601
Gutierrez Windmill Meteorological Station near Model	372249103573302
Mincic Meteorological Station near Houghton	372701103514501
Rourke Meteorological Station near Higbee	373706103410701
Route Two Windmill Meteorological Station near Tyrone	372329104020501
Upper Bent Canyon Meteorological Station near Delhi	373823103465601
Upper Red Rock Canyon Meteorological Station near Houghton	373315103493101

Precipitation gage near South Fork

M-2 Million Raingage near South Fork	373758106364201
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Meteorological stations in the Gunnison River Basin

Ironton Meteorological Station near Ouray	375546107412000
Governor Basin Meteorological Station near Telluride	375852107455200
Ouray Meteorological Station at Ouray	380102107402200
West Fork Dallas Creek Meteorological Station near Ridgway	380251107513000
Whitehouse Creek Meteorological Station near Ouray	380324107444500
Portland Meteorological Station near Ouray	380436107411500
Pleasant Valley Meteorological Station near Ridgway	380844107512200
Ridgway Meteorological Station at Ridgway	380916107452200
Dry Creek Meteorological Station near Ridgway	381001107412300
Ridgway Reservoir Meteorological Station near Ridgway	381422107453000

Miscellaneous water-quality data

Big Thompson Project

Alva B. Adams Tunnel at East Portal, near Estes Park	09013000
Big Thompson River at Estes Park	06733000
Big Thompson River below Sanitation Outflow above Lake Estes	402245105302300
Big Thompson River near Estes Park	06735500
Olympus Tunnel at Lake Estes	06734900
Big Thompson River at Whispering Pines near Estes Park	402249105282000
Big Thompson River above North Fork Big Thompson River at Drake	402554105202100
North Fork Big Thompson River at Drake	06736000
Big Thompson River above Dillie Tunnel near Drake	06736700
Hansen Canal below Flatiron Reservoir near Loveland	402227105134700
Hansen Canal below Trifurcation near Loveland	402524105133300
Hansen Canal above Tunnel No. 5 near Loveland	403020105114700
Hansen Canal above Greeley Filtration Plant near Laporte	403814105111800
Big Thompson River below Big Thompson Power Plant near Loveland	402518105131300
Big Thompson River below Sulzer Gulch near Loveland	402533105124300
Big Thompson River at Loveland	06741510
Big Thompson River below Loveland	06741520
Big Thompson River at I-25 near Loveland	06741530

Three Lakes Water-Quality Project

Colorado River near Grand Lake	09011000
North Inlet at Grand Lake	09012500

DATA-COLLECTION SITES FOR THE WATER YEAR 2004
USGS COLORADO WATER SCIENCE CENTER DATA PROGRAM—Continued

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Station number
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Three Lakes Water-Quality Project—Continued

East Inlet near Grand Lake	09013500
Grand Lake at Grand Lake	09013900
Grand Lake Outlet at Grand Lake	09014000
Shadow Mountain Lake near Grand Lake	09014500
Arapahoe Creek at Monarch Lake Outlet	09016500
Stillwater Creek above Lake Granby, near Grand Lake	09018000
Granby Pump Canal near Grand Lake	09018300
Lake Granby near Granby	09018500
Colorado River below Lake Granby	09019000

Station records, ground-water levels in Pueblo County

Pueblo Drought Well	382323104200701
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Quality of ground-water in El Paso County

Fountain No. 3	384056104415601
Fountain No. 2	384108104420701
Fountain No. 1	384122104421401
Widefield No. 5	384323104432201
Sweet Water No. 1	384345104241401
Widefield No. 4	384407104434801
U-14	384433104440702
Security No. 2	384458104442601
Venetucci No. 3	384535104450801
U-9	384604104451502
Security No. 14	384610104453501
Stratmoor Hills No. 4	384617104455901
Mars Gas	384639104461401
TH-18	384653104451901
Barnes Well	384718104463701

Water rights diversion ditches on Fort Carson Military Reservation

Lytle Ditch at Fort Carson	383619104520401
Strobel Ditch from Turkey Creek at Fort Carson	383637104531301
Merriams Little Fountain Ditch at Fort Carson	383944104474201
Merriams Rock Creek Ditch at Fort Carson	384037104472001
Ripley Ditch from Little Fountain Creek at Fort Carson	384047104510301
Womack Ditch from Little Fountain Creek at Fort Carson	384048104504901
Gale Ditch from Rock Creek near Fort Carson	384220104503701

INTRODUCTION

The Water-Resources Discipline of the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources of Colorado each water year. These data, accumulated during many water years, constitute a valuable database for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the U.S. Geological Survey, the data are published annually in the report series entitled "Water Resources Data—Colorado."

This year's report includes records on surface water in the State. Specifically, it contains: discharge records for 312 gaging stations, stage and contents of 1 lake and reservoir, discharge measurements for 1 partial-record low-flow station and 1 miscellaneous site, and peak-flow information for 22 crest-stage partial-record stations. Three pertinent stations operated by bordering states, and 34 stations operated by the Colorado Division of Water Resources are included in this report. Locations of lake and surface-water stations and surface-water-quality stations in the Colorado Data Program are shown in figure 1 and locations of crest-stage partial-record stations are shown in figure 2. The data in this report represent that part of the National Water Information System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Colorado.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Colorado were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-water Supply of the United States," Parts 6B, 7, 8, and 9. For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the

1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States." Data on ground-water levels for the 1935 through 1955 water years were published annually under the title "Water Levels and Artesian Pressures in Observation Wells in the United States." For the 1956 through 1974 water years the data were published in four 5-year reports under the title "Ground-Water Levels in the United States." Water-supply papers may be purchased from the U.S. Geological Survey, Books and Open-File Reports, Federal Center, Building 810, Box 25425, Denver, CO 80225, or many of these water-supply papers (and the reports mentioned below) may be accessed from <http://infotrek.er.usgs.gov/pubs/>

For water years 1961 through 1970, surface-water data were released by the Survey in annual reports on a State-boundary basis. Surface-water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with surface-water records.

Beginning with the 1971 water year, water data on surface-water, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "**U.S. Geological Survey Water-Data Report CO-04-1.**" These water-data reports are also available for sale, in paper copy or electronic media, from the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161, or online at: <http://www.ntis.gov/>

Additional information for ordering specific reports may be obtained from the Director of the USGS Colorado Water Science Center at the address given on the back of the title page or by telephone, (303) 236-4882.

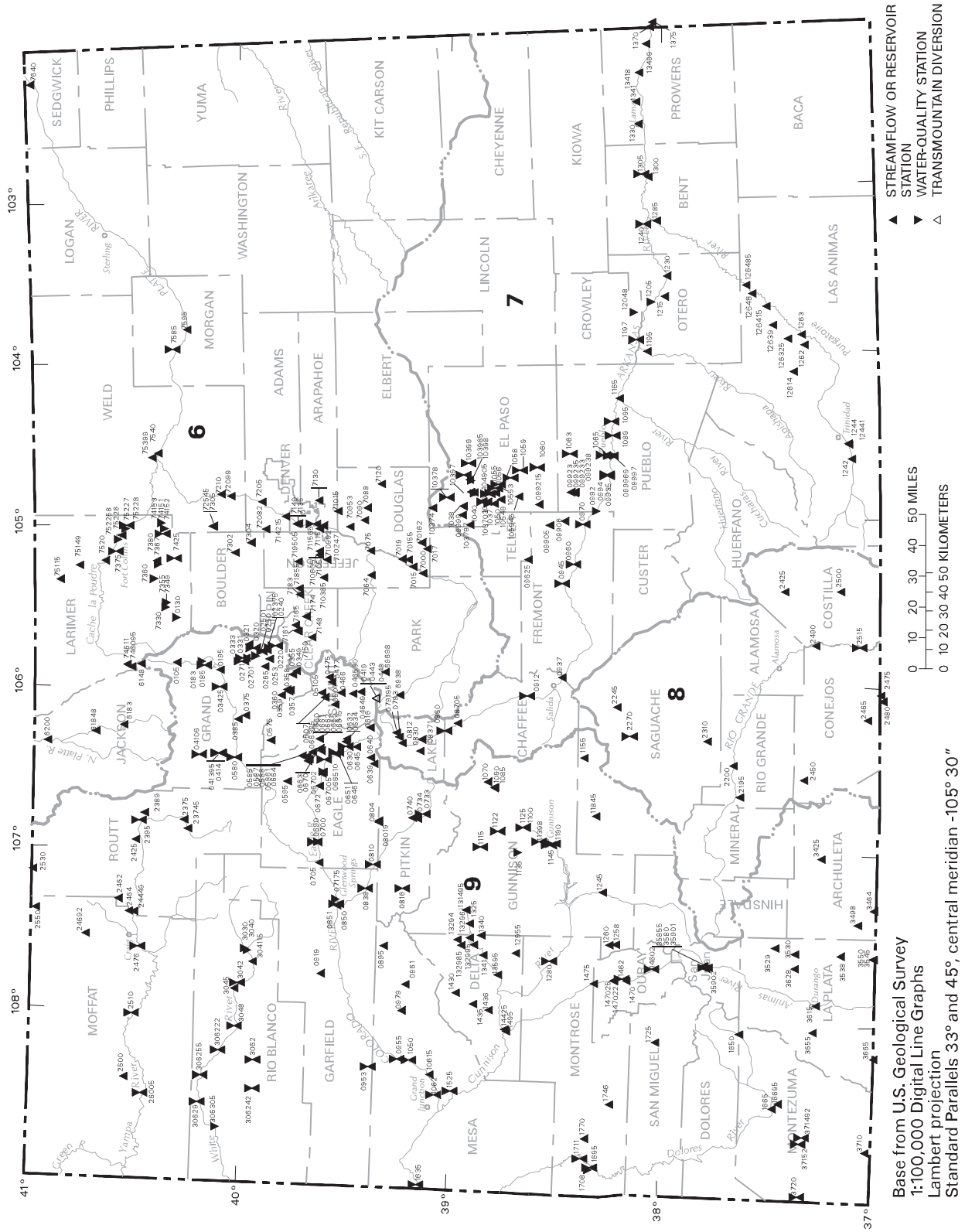


Figure 1. Map showing locations of lake and surface-water stations and surface-water-quality stations in the Colorado Data Program.

Base from U.S. Geological Survey
1:100,000 Digital Line Graphs
Lambert projection
Standard Parallels 33° and 45°, central meridian -105° 30"

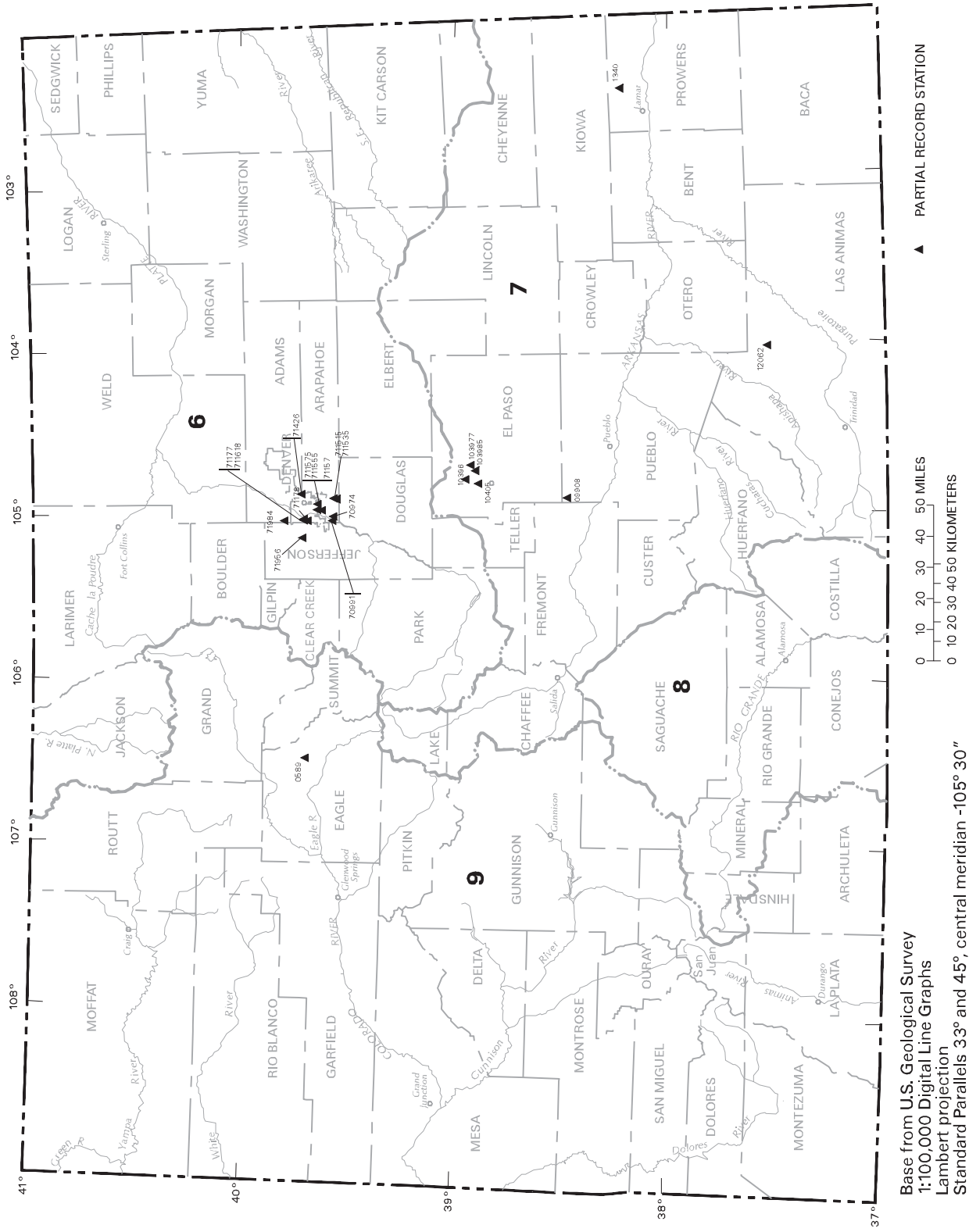


Figure 2. Map showing locations of crest-stage partial-record stations in Colorado.

COOPERATION

The U.S. Geological Survey and organizations in the State of Colorado have had cooperative agreements for the systematic collection of surface-water records since 1895 and for water-quality records since 1941. Organizations that supported data-collection activities through cooperative agreements with the Survey during the 2004 water year are:

Arapahoe County Water and Wastewater Authority.
 Arkansas River Compact Administration.
 Centennial Water and Sanitation District.
 Cherokee Metropolitan District.
 City and County of Denver, Board of Water Commissioners.
 City of Aurora.
 City of Black Hawk.
 City of Boulder.
 City of Brush.
 City and County of Broomfield.
 City of Colorado Springs.
 City of Craig.
 City of Englewood.
 City of Fort Collins.
 City of Fort Morgan.
 City of Glendale.
 City of Golden.
 City of Gunnison.
 City of Idaho Springs.
 City of Lakewood.
 City of Longmont.
 City of Louisville.
 City of Loveland.
 City of Pueblo.
 City of Westminster.
 Clear Creek Board of County Commissioners.
 Colorado Department of Public Health and Environment.
 Colorado Division of Parks and Outdoor Recreation.
 Colorado Division of Water Resources.
 Colorado River Water Conservation District.
 Colorado Springs Utilities.
 Colorado Water Conservation Board.
 Crested Butte South Metropolitan District.
 Custer County.
 Delta County Board of County Commissioners.
 Douglas County.
 Eagle County Board of Commissioners.
 Eagle River Water and Sanitation District.
 East Grand County Water-Quality Board.
 El Paso County.
 Evergreen Metropolitan District.
 Fountain Valley Authority.
 Gilpin County.
 Grand County.
 Hinsdale County.
 Jefferson County Board of County Commissioners.
 La Plata County.
 Lower Fountain Water-Quality Management Association.
 Meeker Sanitation District.
 Metro Wastewater Reclamation District.
 Mount Crested Butte Water and Sanitation District.
 North Front Range Water Quality Planning Association.
 Northern Colorado Water Conservancy District.
 Plum Creek Wastewater Authority.
 Pueblo Board of Water Works.
 Pueblo County.
 Pueblo West Metropolitan District.
 Rio Blanco County Board of County Commissioners.
 Rio Grande Water Conservation District.
 Southeastern Colorado Water Conservancy District.
 Southern Ute Indian Tribe.
 Southwestern Colorado Water Conservation District.
 St. Charles Mesa Water District.
 Teller–Park Soil Conservation District.
 Town of Basalt.
 Town of Breckenridge.
 Town of Collbran.
 Town of Crested Butte.
 Town of Georgetown.
 Town of Hotchkiss.
 Town of Meeker.
 Town of Palmer Lake.
 Town of Paonia.
 Town of Rangely.
 Town of Rico.
 Trinchera Water Conservancy District.
 Upper Arkansas River Water Conservancy District.
 Upper Eagle Regional Water Authority.
 Upper Gunnison River Water Conservancy District.
 Upper Yampa Water Conservancy District.
 Urban Drainage and Flood Control District.
 Western State College of Colorado.
 Wyoming State Engineer.
 Yellowjacket Water Conservancy District.

Financial assistance was also provided by the U.S. Air Force Academy; U.S. Army, Corps of Engineers; U.S. Army; Bureau of Land Management; Bureau of Reclamation; National Park Service; U.S. Fish and Wildlife Service; and U.S. Forest Service. Organizations that supplied data are acknowledged in station descriptions.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, hydrologic-station records in USGS reports have been listed in order of downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary entering between two main-stream stations is listed between those stations. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is located with respect to the stream to which it is immediately tributary is indicated by an indentation in that list of stations in the front of this report. Each indentation represents one rank. This downstream order and system of indentation indicates which stations are on tributaries between any two stations and the rank of the tributary on which each station is located.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These station numbers are in the same downstream order used in this report. In assigning a station number, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list composed of both types of stations. Gaps are consecutive. The complete 8-digit (or 10-digit) number for each station such as 09004100, which appears just to the left of the station name, includes a 2-digit part number "09" plus the 6-digit (or 8-digit) downstream order number "004100." In areas of high station density, an additional two digits may be added to the station identification number to yield a 10-digit number. The stations are numbered in downstream order as described above between stations of consecutive 8-digit numbers.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The USGS well and miscellaneous site-numbering system is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The site number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as "01," "02," and so forth, would be assigned as one would for wells (see fig. 3). The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken

A local well number also may be provided for USGS wells. Local well numbers (also called land-net locations) are based on the U.S. Bureau of Land Management system of land subdivision and indicate the position of the well by township, range, section, and position within the section. The land-net system indicates location by a combination of letters and numbers as described in the following paragraphs.

The first letter of the local well number indicates the survey used to determine the well location. Colorado is governed by three surveys: the Sixth Principal Meridian Survey (S), the New Mexico Survey (N), and the Ute Survey (U). Costilla County is not included in any of the above surveys. For wells in Costilla County, the convention of the Costilla County Assessor is followed in which the northern part of the county is governed by the Sixth Principal Meridian Survey and the southern part of the county is governed by a local system called the Costilla Survey (C). A survey is subdivided into four quadrants

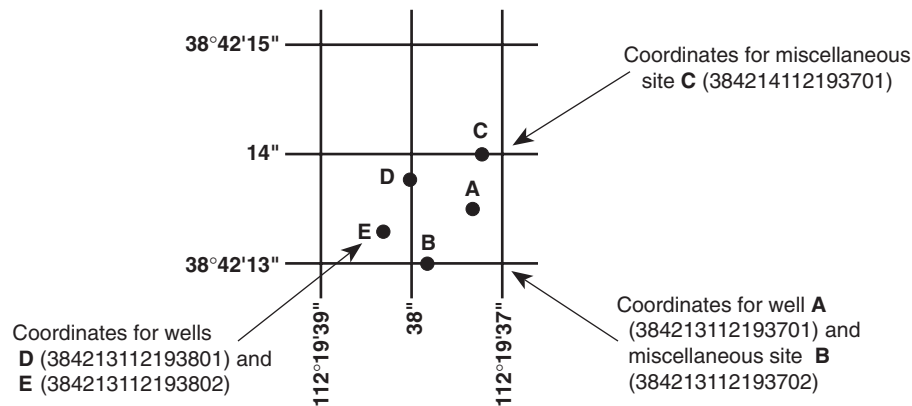


Figure 3. Site-numbering system for wells, springs, and miscellaneous sites.

formed by the intersection of the baseline and the principal meridian. The second letter of the local well number designates the survey quadrant: A indicates the northeast quadrant, B the northwest, C the southwest, and D the southeast. A quadrant is subdivided in the north-south direction every 6 miles by townships and is divided in the east-west direction every 6 miles by ranges. The 36-mi² area described by the township and range designations is subdivided into 1-mi² areas called sections, which are sequentially numbered.

Following the survey letter designations, a local well number contains three numbers followed by two to four letters. The first number indicates the township, the second number indicates the range, and the third number indicates the section in which the well is located. Letters following the township, range, and section numbers indicate the well location within a section. The section, which contains 640 acres, is subdivided into quarter sections. The 160-acre area is designated by the first letter following the section number as follows: A indicates the northeast quarter, B the northwest, C the southwest, and D the southeast. The quarter section is subdivided into quarter-quarter sections, and the 40-acre area is designated in the same manner by the second letter following the section number. The 10-acre area is designated in the same manner by the third letter following the section. If more than one well is located within the 10-acre tract, the wells are numbered sequentially in the order in which they were originally inventoried. The sequence number follows the three-letter quarter-quarter designation as it is necessary. For example, local well number SC-003-049-21 CCB2 indicates a well is located in the northwest quarter of the southwest quarter of the southwest quarter of section 21, township 3 south, range 49 west in the southwest quadrant of the Sixth Principal Meridian Survey and was the second well inventoried in the quarter-quarter-quarter section.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 61 sites in small drainage basins in 39 States that was established in 1963 to provide consistent streamflow data representative of undeveloped watersheds nationwide, and from which data could be analyzed on a continuing basis for use in comparison and contrast with conditions observed in basins more obviously affected by human activities. At selected sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program may be accessed from <http://water.usgs.gov/hbn/>.

National Stream-Quality Accounting Network (NASQAN) is a network of sites used to monitor the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande River basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia Rivers so that a network of 5 stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment (NAWQA) Program; (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program may be accessed from <http://water.usgs.gov/nasqan/>.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) is a network of monitoring sites that provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead Federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from this network of 250 precipitation-chemistry monitoring sites. The USGS supports 74 of these 250 sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as data from the individual sites, may be accessed from <http://bqs.usgs.gov/acidrain/>.

The USGS National Water-Quality Assessment (NAWQA) Program is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; to provide an

improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 42 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents is measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for water-resources managers to use in making decisions and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and Federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key Federal, State, and local water-resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semi-annually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program may be accessed from <http://water.usgs.gov/nawqa/>.

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from <http://water.usgs.gov/nsip/>.

EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS

Data Collection and Computation

The base data collected at gaging stations (figs. 1 and 2) consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and volume of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily

flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that is either downloaded electronically in the field to a laptop computer or similar device or is transmitted using telemetry such as GOES satellite, land-line or cellular-phone modems, or by radio transmission. Measurements of discharge are made with a current meter or acoustic Doppler current profiler, using the general methods adopted by the USGS. These methods are described in standard textbooks, USGS Water-Supply Paper 2175, and the Techniques of Water-Resources Investigations of the United States Geological Survey (TWRIs), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2, which may be accessed from <http://water.usgs.gov/pubs/twri/>. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standardization (ISO).

For stream-gaging stations, discharge-rating tables for any stage are prepared from stage-discharge curves. If extensions to the rating curves are necessary to express discharge greater than measured, the extensions are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, or computation of flow over dams and weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily values. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features of the stream channel, the daily mean discharge is computed by the shifting-control method in which correction factors based on individual discharge measurements and notes by engineers and observers are used when applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the controlling section, the daily mean discharge is computed by the shifting-control method.

The stage-discharge relation at some stream-gaging stations is affected by backwater from reservoirs, tributary streams, or other sources. Such an occurrence necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage at some distance from the base gage.

An index velocity is measured using ultrasonic or acoustic instruments at some stream-gaging stations and this index velocity is used to calculate an average velocity for the flow in the stream. This average velocity along with a stage-area relation is then used to calculate average discharge.

At some stations, stage-discharge relation is affected by changing stage. At these stations, the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations in the northern United States, the stage-discharge relation is affected by ice in the winter; therefore, computation of the discharge in the usual manner is impossible. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter-discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge from other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the volume or contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly changes are computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some stream-gaging stations, periods of time occur when no gage-height record is obtained or the recorded gage height is faulty and cannot be used to compute daily discharge or contents. Such a situation can happen when the recorder stops or otherwise fails to operate properly, the intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records from other stations in the same or nearby basins. Likewise, lake or reservoir volumes may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

Data Presentation

The records published for each continuous-record surface-water discharge station (stream-gaging station) consist of five parts: (1) the station manuscript or description; (2) the data table of daily mean values of discharge for the current water year with summary data; (3) a tabular statistical summary of monthly mean flow data for a designated period, by water year; (4) a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration; and (5) a hydrograph of discharge.

Station Manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments follow that clarify information presented under the various headings of the station description.

LOCATION.—Location information is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.—Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.—This term indicates the time period for which records have been published for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not and whose location was such that its flow reasonably can be considered equivalent to flow at the present station.

REVISED RECORDS.—If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

GAGE.—The type of gage in current use, the datum of the current gage referred to a standard datum, and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.—All periods of estimated daily discharge either will be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See section titled Identifying Estimated Daily Discharge.) Information is presented relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other

pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, the outlet works and spillway, and the purpose and use of the reservoir.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.—Information here documents major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the USGS.

REVISIONS.—Records are revised if errors in published records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (<http://water.usgs.gov/nwis/nwis>). Users are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent data updates. Updates to NWISWeb are made on an annual basis.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because no current or, possibly, future station manuscript would be published for these stations to document the revision in a REVISED RECORDS entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the USGS Colorado Water Science Center office (address given on the back of the title page of this report) to determine if the published records were revised after the station was discontinued. If, however, the data for a discontinued station were obtained by computer retrieval, the data would be current. Any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the REMARKS and in the inclusion of a stage-capacity table when daily volumes are given.

Peak Discharge Greater than Base Discharge

Tables of peak discharge above base discharge are included for some stations where secondary instantaneous peak discharge data are used in flood-frequency studies of highway and bridge design, flood-control structures, and other flood-related projects. The base discharge value is selected so an average of three peaks a year will be reported. This base discharge value has a recurrence interval of approximately 1.1 years or a 91-percent chance of exceedence in any 1 year.

Data Table of Daily Mean Values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed TOTAL gives the sum of the daily figures for each month; the line headed MEAN gives the arithmetic average flow in cubic feet per second for the month; and the lines headed MAX and MIN give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month is expressed in cubic feet per second per square mile (line headed CFSM); or in inches (line headed IN); or in acre-feet (line headed AC-FT). Values for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if extensive regulation or diversion is in effect or if the drainage area includes large noncontributing areas. At some stations, monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir volumes are given. These values are identified by a symbol and a corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed MEAN), maximum (MAX), and minimum (MIN) of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those values. The designated period will be expressed as FOR WATER YEARS __-__, BY WATER YEAR (WY), and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. The designated period will consist of all of the station record within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are consecutive, unless a break in the station record is indicated in the manuscript.

Summary Statistics

A table titled SUMMARY STATISTICS follows the statistics of monthly mean data tabulation. This table consists of four columns with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, WATER YEARS __-__, will consist of all

of the station records within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the ANNUAL 7-DAY MINIMUM statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When the dates of occurrence do not fall within the selected water years listed in the heading, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration-curve statistics and runoff data also are given. Runoff data may be omitted if extensive regulation or diversion of flow is in effect in the drainage basin.

The following summary statistics data are provided with each continuous record of discharge. Comments that follow clarify information presented under the various line headings of the SUMMARY STATISTICS table.

ANNUAL TOTAL.—The sum of the daily mean values of discharge for the year.

ANNUAL MEAN.—The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

HIGHEST ANNUAL MEAN.—The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.—The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.—The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.—The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.—The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1–March 31). The date shown in the summary

statistics table is the initial date of the 7-day period. This value should not be confused with the 7-day 10-year low-flow statistic.

MAXIMUM PEAK FLOW.—The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.—The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.—The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.—Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES) indicate the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.—The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.—The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.—The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first table lists annual maximum stage and discharge at crest-stage stations, and the second table lists discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are often made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for a special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified. This identification is shown either by flagging individual daily values with the letter “e” and noting in a table footnote, “e Estimated,” or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The degree of accuracy of the records is stated in the REMARKS in the station description. “Excellent” indicates that about 95 percent of the daily discharges are within 5 percent of the true value; “good” within 10 percent; and “fair,” within 15 percent. “Poor” indicates that daily discharges have less than “fair” accuracy. Different accuracies may be attributed to different parts of a given record.

Values of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft³/s; to the nearest tenths between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures above 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharge values listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, values of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Records Available

Information of a more detailed nature than that published for most of the stream-gaging stations such as discharge measurements, gage-height records, and rating tables is available from the USGS Colorado Water Science Center. Also, most stream-gaging station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the USGS Colorado Water Science Center (see address that is shown on the back of the title page of this report).

EXPLANATION OF PRECIPITATION RECORDS

Data Collection and Computation

Rainfall data generally are collected using electronic data loggers that measure the rainfall in 0.01-inch increments every 15 minutes using either a tipping-bucket rain gage or a collection well gage. Twenty-four hour rainfall totals are tabulated and presented. A 24-hour period extends from just past midnight of the previous day to midnight of the current day. Snowfall-affected data can result during cold weather when snow fills the rain-gage funnel and then melts as temperatures rise. Snowfall-affected data are subject to errors. Missing values are indicated by this symbol “---” in the table.

Data Presentation

Precipitation records collected at surface-water gaging stations are identified with the same station number and name as the stream-gaging station. Where a surface-water daily-record station is not available, the precipitation record is published with its own name and latitude-longitude identification number.

Information pertinent to the history of a precipitation station is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, period of record, and general remarks.

The following information is provided with each precipitation station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

INSTRUMENTATION.—Information on the type of rainfall collection system is given.

REMARKS.—Remarks provide added information pertinent to the collection, analysis, or computation of records.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analysis usually are collected at or near stream-gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, water temperature, sediment discharge, and so forth); extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, sampling date, or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most of the methods used for collecting and analyzing water samples are described in the TWRI's, which may be accessed from <http://water.usgs.gov/pubs/twri/>.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross-section is homogeneous. However, the concentration of solutes at different locations in the cross-

section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum and minimum values (and sometimes mean or median values) for each constituent measured, and are based on 15-minute or 1-hour intervals of recorded data beginning at 0000 hours and ending at 2400 hours for the day of record.

SURFACE-WATER- QUALITY RECORDS

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because discharge data are useful in the interpretation of surface-water quality. Records of surface-water quality in this report involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A *continuous-record station* is a site where data are collected on a regularly scheduled basis. Frequency may be one or more times daily, weekly, monthly, or quarterly. A *partial-record station* is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A *miscellaneous sampling site* is a location other than a continuous- or partial-record station, where samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between *continuous records* as used in this report and *continuous recordings* that refer to a continuous graph or a series of discrete values recorded at short intervals. Some

records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water were collected in water year 2004 are shown in figure 1.

Accuracy of the Records

One of four accuracy classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before any shifts or corrections are made. Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

Rating classifications for continuous water-quality records

[\leq , less than or equal to; \pm , plus or minus value shown; $^{\circ}\text{C}$, degree Celsius; $>$, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured physical property	Rating			
	Excellent	Good	Fair	Poor
Water temperature	$\leq \pm 0.2^{\circ}\text{C}$	$> \pm 0.2$ to 0.5°C	$> \pm 0.5$ to 0.8°C	$> \pm 0.8^{\circ}\text{C}$
Specific conductance	$\leq \pm 3\%$	$> \pm 3$ to 10%	$> \pm 10$ to 15%	$> \pm 15\%$
Dissolved oxygen	$\leq \pm 0.3$ mg/L	$> \pm 0.3$ to 0.5 mg/L	$> \pm 0.5$ to 0.8 mg/L	$> \pm 0.8$ mg/L
pH	$\leq \pm 0.2$ unit	$> \pm 0.2$ to 0.5 unit	$> \pm 0.5$ to 0.8 unit	$> \pm 0.8$ unit
Turbidity	$\leq \pm 5\%$	$> \pm 5$ to 10%	$> \pm 10$ to 15%	$> \pm 15\%$

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the naturally occurring quality of the water. To ensure this, certain measurements, such as water temperature, pH, and dissolved oxygen, must be made on site when the samples

are taken. To assure that measurements made in the laboratory also represent the naturally occurring water, carefully prescribed procedures must be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1–A9. Most of the methods used for collecting and analyzing water samples are described in the TWRIs, which may be accessed from <http://water.usgs.gov/pubs/twri/>. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS Colorado Water Science Center (see address that is shown on the back of title page in this report).

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file in the USGS Colorado Water Science Center.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in

the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross section.

During periods of rapidly changing flow or rapidly changing concentration, samples may be collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples are collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Samples for biochemical oxygen demand (BOD) and indicator bacteria are analyzed locally. All other samples are analyzed in the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the USGS laboratories are given in TWRI, Book 1, Chapter D2; and Book 5, Chapters A1, A3, and A4. The TWRI publications may be accessed from <http://water.usgs.gov/pubs/twri/>. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available,

instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of “daily values” of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

DRAINAGE AREA.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—This indicates the time periods for which published water-quality records for the station are available. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.—Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.—Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. For parameters measured weekly or less frequently, true maximums or minimums may not have been obtained. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.—Records are revised if errors in published water-quality records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (<http://waterdata.usgs.gov/nwis>).

Users of USGS water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent updates. Updates to the NWISWeb are made on an annual basis.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

Printed Output	Remark
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a non-detection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte was either not detected or did not pass identification. Analytes detected

at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of "E." These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by this USGS Water Science Center office are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples. These data are not presented in this report but are available from the USGS Colorado Water Science Center.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this USGS Water Science Center are:

Field blank—A blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank—A blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank—A blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank—A blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. Many types of replicate samples are possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this USGS Water Science Center are:

Concurrent samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

Sequential samples—A type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Generally, only ground-water-level data from selected wells with continuous recorders from a basic network of observation wells are published in this report. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Site Identification Numbers

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is produced for local needs. (See “Numbering System for Wells and Miscellaneous Sites” in this report for a detailed explanation.)

Data Collection and Computation

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Most methods for collecting and analyzing water samples are described in the TWRI's referred to in the On-site Measurements and Sample Collection and the Laboratory Measurements sections in this report. In addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI's Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The TWRI publications may be accessed from <http://water.usgs.gov/pubs/twri/>. The values in this report represent water-quality conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. The wells sampled were pumped long

enough to ensure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum above sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (EOM).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth of water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Data Presentation

Water-level data are presented in alphabetical order by county. The primary identification number for a given well is the 15-digit site identification number that appears in the upper left corner of the table. The secondary identification number is the local or county well number.

Each well record consists of three parts: the well description, the data table of water levels observed during the water year, and, for most wells, a hydrograph following the data table. Well descriptions are presented in the headings preceding the tabular data.

The following comments clarify information presented in these various headings.

LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1927 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and changes since construction.

INSTRUMENTATION.—This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on continuous, monthly, or some other frequency of measurement.

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is described physically (such as top of casing, top of instrument shelf, and so forth), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above National Geodetic Vertical Datum of 1929 (NGVD 29); it is reported with a precision depending on the method of determination.

REMARKS.—This entry describes factors that may influence the water level in a well or the measurement of the water level, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words “to current year” if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum or sea level, and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsd). Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

Hydrographs

Hydrographs are a graphic display of water-level fluctuations over a period of time. In this report, current water year and, when appropriate, period-of-record hydrographs are shown. Hydrographs that display periodic water-level measurements show points that may be connected with a dashed line from one measurement to the next. Hydrographs that display recorder data show a solid line representing the mean water level recorded for each day. Missing data are indicated by a blank space or break in a hydrograph. Missing data may occur as a result of recorder malfunctions, battery failures, or mechanical problems related to the response of the recorder's float mechanism to water-level fluctuations in a well.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide.

Most methods for collecting and analyzing water samples are described in the TWRIs, which may be accessed from <http://water.usgs.gov/pubs/twri/>. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRIs, Book 1, Chapter D2; Book 5, Chapters A1, A3, and A4; and Book 9, Chapters A1–A6. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS Colorado Water Science Center (see address shown on back of title page in this report).

Laboratory Measurements

Analysis for sulfide and measurement of alkalinity, pH, water temperature, specific conductance, and dissolved oxygen are performed on site. All other sample analyses are performed at the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used by the USGS laboratory are given in TWRIs, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4, which may be accessed from <http://water.usgs.gov/pubs/twri/>.

ACCESS TO USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the World Wide Web (WWW). These data may be accessed from <http://water.usgs.gov>.

Water-quality data and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on various media. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each USGS Water Science Center (See address that is shown on the back of the title page of this report.)

DEFINITION OF TERMS

Specialized technical terms related to stream flow, water-quality, and other hydrologic data, as used in this report, may be accessed from http://water.usgs.gov/ADR_Defs_2004.pdf. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from <http://water.usgs.gov/glossaries.html>.

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS**

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Colorado Creek near Spicer, CO	06611000	25.8	1950–55
Grizzly Creek near Spicer, CO	06611100	118	1976–80
Buffalo Creek near Hebron, CO	06611200	56.3	1976–80
Grizzly Creek near Hebron, CO	06611300	223	1976–80
Grizzly Creek near Walden, CO	06611500	258	1904–05, 1923, 1926–47
Little Grizzly Creek near Coalmont, CO	06611700	10.1	1967–73
Little Grizzly Creek above Coalmont, CO	06611800	35.4	1976–80
Little Grizzly Creek above Hebron, CO	06611900	52.2	1976–80
Little Grizzly Creek near Hebron, CO	06612000	98.6	1904–05, 1931–45
Roaring Fork near Walden, CO	06612500	79.1	1904–05, 1923–47
North Platte River near Walden, CO	06613000	469	1904–05, 1923–47
North Fork North Platte River near Walden, CO	06614000	160	1923–28, 1936–45
South Fork Michigan River near Gould, CO	06615000	11.4	1950–58
Michigan River near Lindland, CO	06615500	60.9	1931–41
North Fork Michigan River near Gould, CO	06616000	20.5	1950–82
Michigan River at Walden, CO	06617100	182	1904–05, 1923–47
Illinois Creek near Rand, CO	06617500	70.6	1931–40
Willow Creek near Rand, CO	06618000	55.9	1931–40
Illinois River below Ish Baldwin Ditch near Walden, CO	06618300	181	2002–2004
Illinois River below Potter Creek near Walden, CO	06618480	257	2001–2004
Illinois Creek at Walden, CO	06618500	259	1923–47
Michigan River near Cowdrey, CO	06619000	478	1904–05, 1937–47
Canadian River near Lindland, CO	06619400	44.0	1978–83
Bush Draw near Walden, CO	06619415	4.10	1980–83
Williams Draw near Walden, CO	06619420	3.95	1979–83
Canadian River near Brownlee, CO	06619450	158	1978–83
Canadian River at Cowdrey, CO	06619500	181	1904–05, 1929–31, 1937–47
Laramie River near Glendevey, CO	06657500	101	1904–05, 1910–82
Middle Fork South Platte River above Fairplay, CO	06693980	62.2	1978–80
Middle Fork South Platte River near Hartsel, CO	06694100	250	1978–80
South Fork South Platte River above Fairplay, CO	06694400	50.3	1978–80
Fourmile Creek near Fairplay, CO	06694700	12.0	1978–80
Elevenmile Canyon Reservoir	06695500	963	1932–98
South Platte River near Lake George, CO	06696000	963	1929–98

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
South Platte River at Lake George, CO	06696200	1,084	1910–11, 1929
Tarryall Creek below Park Gulch near Como, CO	06697100	76.1	1997–2001
French Creek near Jefferson, CO	06697200	4.63	1986–90
Michigan Creek above Jefferson, CO	06697450	23.1	1978–86
Jefferson Creek near Jefferson, CO	06698000	11.8	1910–12, 1978–86
Tarryall Creek near Jefferson, CO	06698500	183	1910–11, 1912–17, 1977–81
Rock Creek near Jefferson, CO	06699000	45.5	1986–90
Tarryall Creek below Rock Creek, near Jefferson, CO	06699005	230	1983–97
Tarryall Creek near Lake George, CO	06699500	434	1910–12, 1925–55
Goose Creek above Cheesman Lake, CO	06700500	86.6	1899, 1924–82
Cheesman Lake	06701000	1,752	1900–98
Spring Creek above mouth near South Platte, CO	06701970	9.79	1997–2003
South Platte River above North Fork at South Platte, CO	06702000	2,098	1905–12
North Fork South Platte River at Grant, CO	06702500	49.0	1910–17
Duck Creek near Grant, CO	06704500	7.78	1995–97
Geneva Creek at Grant, CO	06705500	74.6	1908–18 1995–97
North Fork South Platte River below Geneva Creek, at Grant, CO	06706000	127	1908–13, 1942–98
North Fork South Platte River at Pine, CO	06706500	374	1942–46
Miller Gulch near Buffalo Creek, CO	06706600	3.16	2000–2002
Buffalo Creek at mouth at Buffalo Creek, CO	06706800	47.4	1997–2003
North Fork South Platte River at South Platte, CO	06707000	479	1909–10, 1913–82
South Platte River at Waterton, CO	06708000	2,621	1926–80
East Plum Creek at Castle Rock, CO	06708750	102	1985–89
Plum Creek near Louviers, CO	06709500	302	1947–90
Chatfield Lake near Littleton, CO	06709600	3,018	1975–98
South Platte River at Littleton, CO	06710000	3,069	1941–86
South Platte River at Union Avenue, at Englewood, CO	06710245	3,093	1989–95
Turkey Creek at mouth of canyon near Morrison, CO	06710995	47.4	1998–2001
Turkey Creek above Bear Creek Lake, near Morrison, CO	06711040	50.6	1986–89
Little Dry Creek at Greenwood Village, CO	06711545	14.4	1994–97
South Platte River at Florida Avenue, at Denver, CO	06711590	--	1981–82
Cherry Creek near Melvin, CO	06712500	360	1939–69
Cherry Creek Lake near Denver, CO	06712990	385	1960–98
Cherry Creek at Glendale, CO	06713300	404	1985–2003
South Platte River at 50th Avenue at Denver, CO	06714130	3,810	1980–81
Senac Creek at North Border Sludge Area, near Aurora, CO	06714220	7.81	1989–93

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
South Clear Creek above Lower Cabin Creek Reservoir, near Georgetown, CO	06714400	--	1996–97
South Clear Creek above Leavenworth Creek, near Georgetown, CO	06714600	16.0	1995–97
West Fork Clear Creek above Empire, CO	06715500	40.5	1942–46
West Fork Clear Creek near Empire, CO	06716000	58.2	1929–31
Clear Creek below Idaho Springs, CO	06718000	259	1951–55
North Clear Creek near Blackhawk, CO	06718500	52.2	1951–55
Clear Creek at Forks Creek, CO	06719000	339	1899–1912
Clear Creek near Golden, CO	06719500	399	1908–09, 1911–74
Clear Creek at Tabor Street, at Lakewood, CO	06719526	427	1981–83
Ralston Creek near Plainview, CO	06719725	36.9	1983–84
Schwartzwalder Mine Effluent near Plainview, CO	06719730	--	1983–84
Ralston Creek below Schwartzwalder Mine near Plainview, CO	06719735	38.9	1983–84
Ralston Creek above Ralston Reservoir near Golden, CO	06719740	42.7	1983–84
Clear Creek at mouth near Derby, CO	06720000	570 (revised)	1914, 1927–82
Grange Hall Creek at Grant Park at Northglenn, CO	06720330	--	1978–79
Grange Hall Creek at Northglenn, CO	06720415	3.08	1978–81
Grange Hall Creek below Northglenn, CO	06720417	--	1981–82
First Creek below Buckley Road, near Rocky Mountain Arsenal, CO	06720460	26.4	1992–94
First Creek at Highway 2, near Rocky Mountain Arsenal, CO	06720490	39.0	1992–94
Woman Creek near Plainview, CO	06720690	--	1973–74
North Saint Vrain Creek near Allens Park, CO	06721500	32.6	1926–30, 1987–97
North Saint Vrain Creek at Longmont Dam near Lyons, CO	06722000	106	1925–53
South Saint Vrain Creek near Ward, CO	06722500	14.4	1925–27, 1928–31, 1954–73
Middle Saint Vrain Creek near Raymond, CO	06722900	16.8	1956–58
Middle Saint Vrain Creek near Allens Park, CO	06723000	28.0	1925–30, ^a
South Saint Vrain Creek above Lyons, CO	06723400	81.4	1971–80
St. Vrain Creek at Lyons, CO	06724000	216 (revised)	1887–1895 1895–1998
Lefthand Creek near Boulder, CO	06724500	52.0	1929–31, 1947–53, 1976–80
Lefthand Creek at mouth at Longmont, CO	06725000	72.0	1927–42, 1953–55, 1976–79
Saint Vrain Creek near Longmont, CO	06725100	370	1964–68
North Boulder Creek at Silver Lake, CO	06726000	8.70	1913–32
North Boulder Creek near Nederland, CO	06726500	30.4	1929–31
Bummers Gulch near El Vado, CO	06726900	3.87	1983–95
Fourmile Creek at Orodell, CO	06727500	24.1	1947–53, 1983–95

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
South Boulder Creek near Rollinsville, CO	06729000	42.7	1910–18, 1945–49
South Boulder Creek at Pinecliff, CO	06729300	72.7	1979–80
Coal Creek near Plainview, CO	06730300	15.1	1959–82
St. Vrain Creek at mouth near Platteville, CO	06731000	979 (revised)	1904–06, 1915, 1927–98
Boulder Brook near Estes Park, CO	06731800	3.83	1968–70
Glacier Creek near Estes Park, CO	06732000	20.8	1941–57, 1968–70
Beaver Brook near Estes Park, CO	06732300	1.49	1968–70
Fall River at Estes Park, CO	06732500	39.8	1945–53 ^a
Big Thompson River at Estes Park, CO	06733000	137	1946–98
Fish Creek near Estes Park, CO	06734500	15.8	1947–55
North Fork Big Thompson River at Drake, CO	06736000	85.1	1947–55
Big Thompson River below Power House near Drake, CO	06736500	278	1917–55
Dry Creek near Pinewood, CO	06740000	7.11	1950–52
Cottonwood Creek near Pinewood, CO	06741000	14.7	1947–53
Big Thompson River near Loveland, CO	06741500	505	1947–55
Little Thompson River near Berthoud, CO	06742000	100	1929–30, 1947–61
Little Thompson River at Milliken, CO	06743500	199	1951–55
Big Thompson River at mouth near La Salle, CO	06744000	830	1914–15, 1927–82
Cache La Poudre River above Chambers Lake Outlet, CO	06745000	89.7	1929–31
Joe Wright Creek near Cameron Pass, CO	06746100	5.05	1974–78
Cache La Poudre River near Rustic, CO	06747500	198	1956–68
Cache La Poudre River near Log Cabin, CO	06748000	234	1909–11, 1929–31
Fall Creek near Rustic, CO	06748200	3.59	1960–73
South Fork Cache La Poudre near Eggers, CO	06748500	70.6	1929–31
Little Beaver Creek near Idylwilde, CO	06748510	0.88	1960–73
Little Beaver Creek near Rustic, CO	06748530	12.3	1960–73
South Fork Cache La Poudre River near Rustic, CO	06748600	92.4	1956–79
Cache La Poudre River below Elkhorn, CO	06749000	409	1946–59
North Fork Cache La Poudre River near Livermore, CO	06751500	567	1947–65
Cache La Poudre River near Greeley, CO	06752500	1,882 (revised)	1903–04, 1914–19, 1924–98
Lonetree Creek at Carr, CO	06753400	167	1993–95
Lonetree Creek near Nunn, CO	06753500	199	1951–57
Lonetree Creek near Greeley, CO	06753990	571	1993–95, 2001–2004
Crow Creek near Barnsville, CO	06756500	1,324	1951–57
South Platte River at Masters, CO	06756995	12,169	1976–88
South Platte River at Sublette, CO	06757000	12,220	1926–42, 1943–55

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Kiowa Creek at K-79 Reservoir near Eastonville, CO	06757600	3.20	1955-65
Kiowa Creek at Elbert, CO	06758000	28.6	1955-65
West Kiowa Creek at Elbert, CO	06758100	35.9	1962-65
Kiowa Creek at Kiowa, CO	06758200	111	1955-65
Kiowa Creek at Bennett, CO	06758300	236	1960-65
Bijou Creek near Wiggins, CO	06759000	1,314	1950-56
Bijou Creek near Fort Morgan, CO	06759100	1,500	1976-87
South Platte River at Cooper Bridge near Balzac, CO	06759910	16,623	1987-98
South Platte River at Balzac, CO	06760000	16,623	1916-80
South Platte River near Crook, CO	06760500	19,006	1953-58
Arikaree River above Spring Canyon near Idalia, CO	06821360	1,111	2002-2003
North Fork Republican River near Wray, CO	06822000	1,019	1937-46, 1951-57, 1962-64
South Fork Republican River near Idalia, CO	06825000	1,300	1950-71, 1972-81
Landsman Creek near Hale, CO	06825500	268	1950-76, 1977-81
Bonny Reservoir near Hale, CO	06826000	1,820	1950-95
South Fork Republican River near Hale, CO	06826500	1,825	1946-48, 1951-86
Leadville Mine drainage tunnel at Leadville, CO	07079200	--	1990-93
East Fork Arkansas River near Leadville, CO	07079500	50.0	1890-1903, 1910-24
Saint Kevin Gulch above Temple Gulch, near Leadville, CO	07080980	1.84	1993-96
Tennessee Creek near Leadville, CO	07081000	48.0	1890-1903, 1910-24
California Gulch at Malta, CO	07081800	8.13	1991-92
Lake Fork above Sugar Loaf Reservoir, CO	07082000	23.9	1946-67
Halfmoon Creek near Leadville, CO	07083500	25.2	1911-14
Arkansas River near Malta, CO	07083700	228	1964-67, 1976-84
Lake Creek above Twin Lakes Reservoir, CO	07084500	75	1946-98
Arkansas River at Buena Vista, CO	07087200	611	1964-80, 1986-93
Cottonwood Creek below Hot Springs near Buena Vista, CO	07089000	65.0	1910-23, 1949-86
Chalk Creek upper station near Saint Elmo, CO	07090000	48.0	1913-19
Chalk Creek near Saint Elmo, CO	07090500	83.0	1910-16
Chalk Creek near Nathrop, CO	07091000	97.0	1910, 1949-56, ^a
Arkansas River at Salida, CO	07091500	1,218	1895-97, 1901-03, 1909-80

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
South Arkansas River at Poncha, CO	07092000	140	1910–18
Poncha Creek at Poncha, CO	07093000	56.0	1910–18
South Arkansas River near Salida, CO	07093500	208	1922–23, 1929–40
Badger Creek, upper station, near Howard, CO	07093740	106	1981–2003
Badger Creek, lower station, near Howard, CO	07093775	211	1981–2003
South Colony Creek near Westcliffe, CO	07094600	6.03	1974–78
Middle Taylor Creek near Westcliffe, CO	07094900	3.19	1974–78, 1984–85
Fourmile Creek near Canon City, CO	07096500	434	1910–11, 1949–53, 1971–97
Red Creek below Sullivan Park at Fort Carson, CO	07099080	26.6	2000–2003 ^a
Beaver Creek near Portland, CO	07099100	214	1971–81
Arkansas River near Portland, CO	07099200	4,280	1964–79
Little Turkey Creek near Fountain, CO	07099220	9.59	1978–88
Arkansas River near Pueblo, CO	07099500	4,686	1885–87, 1889, 1894–1975
North Monument Creek at Spring Street at Palmer Lake, CO	07103740	16.0	2002–2004
Monument Creek at Palmer Lake, CO	07103747	25.9	1977–90
Monument Creek at Monument, CO	07103750	28.5	1976–77
Deadmans Creek above Deadmans Lake at U.S. Air Force Academy, CO	07103785	1.55	2000–2003
Monument Creek below Sewage Treatment Plant at U.S. Air Force Academy, CO	07103790	122	2000–2003
West Monument Creek near Pikeview, CO	07103900	15.4	1957–70
West Monument Creek at mouth at U.S. Air Force Academy, CO	07103930	23.5	2000–2003
Monument Creek at South Boundary at U.S. Air Force Academy, CO	07103940	150	2000–2003
Kettle Creek near Black Forest, CO	07103950	9.01	1976–86
Kettle Creek above U.S. Air Force Academy, CO	07103960	16.0	2000–2003 ^a
Cottonwood Creek at Cowpoke Road at Colorado Springs, CO	07103977	5.93	1998–2003 ^a
Cottonwood Creek Tributary above Rangewood Drive at Colorado Springs, CO	07103985	2.81	1998–2003 ^a
Templeton Gap Floodway at Colorado Springs, CO	07104500	8.73	1951–81
B Ditch Drain near Security, CO	07105780	--	1981–88
Clover Ditch near Widefield, CO	07105820	--	1981–88
Little Fountain Creek above Keaton Reservoir, CO	07105920	11.0	1978–88, 1995–98
Womack Ditch near Fort Carson, CO	07105924	--	1978–91
Little Fountain Creek near Fort Carson, CO	07105928	11.8	1978–89, 1995–98
Little Fountain Creek near Fountain, CO	07105940	26.9	1978–88
Rock Creek near Fort Carson, CO	07105950	7.79	1978–98
Rock Creek near Fountain, CO	07105960	16.9	1978–88
Saint Charles River at San Isabel, CO	07107000	16.0	1936–41
Saint Charles River at Burnt Mill, CO	07107500	166	1923–34

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Greenhorn Creek near Rye, CO	07107900	9.56	1974–80, 1999–2001
Greenhorn Creek near Colorado City, CO	07108050	29.6	1974–79
Graneros Creek near Rye, CO	07108100	4.32	1999–2001
Saint Charles River near Pueblo, CO	07108500	467	1941–53,
Saint Charles River near Vineland, CO	07108800	473	1968–74
Saint Charles River at mouth near Pueblo, CO	07109000	475	1922–25
Sixmile Creek near Avondale, CO	07110000	45.0	1922–24, 1941–46
Chico Creek near Pueblo Chemical Depot, CO	07110400		1997–99
Chico Creek near North Avondale, CO	07110500	864	1941–46
Huerfano River at Malachite, CO	07111500	107	1923–25
Huerfano River near Badito, CO	07112000	499	1941–46, 1978–81
Huerfano River at Badito, CO	07112500	532	1912, 1923–25, 1938–41, 1946–54
Huerfano River at Huerfano, CO	07113000	717	1923–28
Huerfano River near Mustang, CO	07113500	803	1942–47
Cucharas River at Boyd Ranch near La Veta, CO	07114000	56.0	1934–82
Cucharas River near La Veta, CO	07114500	75.0	1923–34
Huerfano River below Huerfano Valley Dam near Undercliffe, CO	07116000	1,673	1939–67
Arkansas River at Nepesta, CO	07117500	9,460	1898–1902, 1904–06, 1936
Chicosa Creek near Fowler, CO	07117600	109	1968–74
Apishapa River near Aguilar, CO	07118000	126	1939–50
Apishapa River at Aguilar, CO	07118500	149	1938–39, 1978–81
Apishapa River near White Rock, CO	07119000	737	1942–47
Big Arroyo near Thatcher, CO	07120620	15.5	1983–90 ^a
Timpas Creek near Rocky Ford, CO	07121000	451	1922–27, 1940–50
Fort Lyon Canal near Casa, CO	07122060	--	1988–90
Fort Lyon Canal near Cornelia, CO	07122105	--	1988–90
Fort Lyon Canal near Hasty, CO	07122200	--	1968–75 1988–90
Fort Lyon Canal near Big Bend, CO	07122350	--	1988–90
Crooked Arroyo near Swink, CO	07122400	108	1968–93
Crooked Arroyo near La Junta, CO	07122500	--	1922–25
Horse Creek near Sugar City, CO	07123500	1,080	1940–47
Horse Creek near Las Animas, CO	07123675	1,403	1979–93
Middle Fork Purgatoire River at Stonewall, CO	07124050	57.1	1978–81

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Molino Canyon near Weston, CO	07124100	4.23	1978–81
Sarcillo Canyon near Segundo, CO	07124120	35.3	1978–81
Mulligan Canyon near Boncarbo, CO	07124210	4.53	1978–81
Reilly Canyon at Cokedale, CO	07124220	35.1	1978–81
Long Canyon Creek near Madrid, CO	07124300	100	1972–89
Carpitos Canyon near Jansen, CO	07124350	4.57	1978–81
Purgatoire River at Trinidad, CO	07124500	795	1895–99, 1905–12, 1915–60, 1961–82
Purgatoire River near Hoehne, CO	07125000	857	1954–68
Frijole Creek near Alfalfa, CO	07125100	80.0	1957–68
San Francisco Creek near Alfalfa, CO	07125500	160	1954–68
Purgatoire River near Alfalfa, CO	07126000	1,320	1905–07, 1924–28, 1951–68
Van Bremer Arroyo near Thatcher, CO	07126130	80.6	1983–85
Burke Arroyo Tributary near Thatcher, CO	07126320	4.66	1983–87
Chacuaco Creek at mouth, near Timpas, CO	07126470	424	1983–92 ^a
Purgatoire River at Highland Dam near Las Animas, CO	07128000	3,376	1898, 1931–55
Rule Creek near Caddoa, CO	07129500	435	1941–46
Caddoa Creek at Caddoa, CO	07131000	131	1941–46
Willow Creek near Lamar, CO	07133050	42.0	1974–77
Big Sandy Creek above Amity Canal near Korman, CO	07134000	3,396	1941–46
Two Butte Creek near Holly	07135000	817	1942–46, 1995–99 ^a
Arkansas River at Holly, CO	07135500	25,073	1894, 1901–02, 1907–53
Wild Horse Creek at Holly, CO	07136000	270	1922–35, 1938–50
Holly Drain near Holly, CO	07136500	--	1924–50
Rio Grande at Thirtymile Bridge near Creede, CO	08213500	163	1909–23 1925–98
North Clear Creek below Continental Reservoir, CO	08214500	51.7	1929–98
Willow Creek at Creede, CO	08216500	51.7	1951–82
Rio Grande at Wason below Creede, CO	08217000	705	1907–54
Rio Grande at Wagonwheel Gap, CO	08217500	780	1951–2000
Goose Creek near Wagonwheel Gap, CO	08218000	53.6	1924–26, 1939–52
Goose Creek at Wagonwheel Gap, CO	08218500	90.0	1954–91
Pinos Creek near Del Norte, CO	08220500	53.0	1919–24, 1936–82
San Francisco Creek at upper station near Del Norte, CO	08220900	11.8	1967–69

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Rio Grande near Monte Vista, CO	08221500	1,590	1926–80
Rock Creek near Monte Vista, CO	08223500	32.9	1935–55, 1966–70
San Luis Creek near Poncha Pass, CO	08224110	6.57	1979–85
San Luis Creek above Villa Grove, CO	08224113	11.2	1979–85
Raspberry Creek near Villa Grove, CO	08224200	1.78	1967–70, 1936–82
Noland Gulch Tributary Reservoir Inflow, near Villa Grove, CO	08226600	0.08	1979–89
Cotton Creek near Mineral Hot Springs, CO	08226700	13.6	1967–70
Anaconda Reservoir near Villa Grove, CO	08227300	0.17	1979–85
Tracy Pit Reservoir Inflow near Saguache, CO	08227400	0.05	1979–89
North Crestone Creek near Crestone, CO	08227500	10.7	1936–82
Cottonwood Creek near Crestone, CO	08229500	6.77	1936, 1967–70
Carnero Creek near La Garita, CO	08230500	117	1919–82
Mosca Creek near Mosca, CO	08234200	3.67	1967–70
Alamosa River above Wightman Fork near Jasper, CO	08235250	37.8	1995–99
Wightman Fork below Cropsey Creek at Summitville, CO	08235270	4.44	1995–99
Wightman Fork at mouth near Jasper, CO	08235290	16.1	1995–99
Alamosa River above Jasper, CO	08235350	58.1	1995–99
Alamosa River below Castleman Gulch near Jasper, CO	08235700	76.3	1995–99
Alamosa Creek above Terrace Reservoir, CO	08236000	107	1911–12, 1914–27, 1934–82
Alamosa Creek below Terrace Reservoir, CO	08236500	116	1909–55
La Jara Creek at Gallegos Ranch near Capulin, CO	08238000	98.0	1916–17, 1919–23, 1936–82
Yellow Warbler Reservoir Inflow near Antonito, CO	08238350	0.18	1979–89
Turkey Reservoir Inflow near Conejos, CO	08238380	0.24	1979–89
Bobolink Reservoir near Conejos, CO	08238400	0.23	1979–89
Rio Grande above mouth of Trinchera Creek near Lasausas, CO	08240000	5,740	1936–98
Trinchera Creek above Turners Ranch near Fort Garland, CO	08240500	45.0	1923–82
Trinchera Creek above Mountain Home Reservoir near Fort Garland, CO	08241000	61.0	1923–55
Sangre De Cristo Creek near Fort Garland, CO	08241500	190	1916, 1923–30, 1931–82
Trinchera Creek below Smith Reservoir near Blanca, CO	08243500	396	1928–82
Conejos River at Platoro, CO	08245500	44.4	1936–53
Conejos River at Counsellors Cabin near Mogote, CO	08246000	211	1943–47
San Antonio River at mouth near Manassa, CO	08248500	348	1923–82
Culebra Creek near Chama, CO	08249400	72.4	1967–70
Culebra Creek below San Luis, CO	08250500	255	1938–55
Rio Grande at CO-NM State Line	08252000	--	1953–82

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OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Lady Creek near Grand Lake, CO	09010100	0.08	1969–75
Jimmy Creek near Grand Lake, CO	09010400	0.08	1969–75
Onahu Creek near Grand Lake, CO	09010600	8.84	1969
Colorado River near Grand Lake, CO	09011000	102	1904–18, 1933–86
Little Columbine Creek above Shadow Mountain Lake at Grand Lake, CO	09011500	1.65	1950–55
Tonahutu Creek near Grand Lake, CO	09012400	16.0	1969
Harbison Ditch near Grand Lake, CO	09012410	--	1969
Tonahutu Creek below Harbison Ditch near Grand Lake, CO	09012420	--	1969
North Inlet at Grand Lake, CO	09012500	45.9	1905–09, 1910–12, 1947–55
East Inlet near Grand Lake, CO	09013500	27.2	1947–55
Grand Lake Outlet at Grand Lake, CO	09014000	76.3	1904–09, 1910–13
Shadow Mountain Lake near Grand Lake, CO	09014500	185	1947–98
Colorado River below Shadow Mountain Reservoir, CO	09015000	190	1947–59
Columbine Creek above Lake Granby near Grand Lake, CO	09015500	7.38	1950–55
Roaring Fork above Lake Granby, CO	09016000	5.95	1951–55
Arapahoe Creek at Monarch Lake Outlet, CO	09016500	46.9	1944–71
Arapahoe Creek below Monarch Lake, CO	09017000	56.9	1934–44
Stillwater Creek above Lake Granby, CO	09018000	17.5	1950–55
Colorado River below Lake Granby, CO	09019000	312	1950–82
Willow Creek near Granby, CO	09020000	109	1934–53
Willow Creek above Willow Creek Reservoir, CO	09020500	127	1953–60
Willow Creek Reservoir near Granby, CO	09020700	134	1953–98
Willow Creek below Willow Creek Reservoir, CO	09021000	134	1953–82
Moffat water tunnel at East Portal, CO	09022500	--	1935–82
Fraser River above Winter Park, CO	09023500	22.4	1907–09, 1934–37
Elk Creek near Fraser, CO	09025400	7.15	1970–96
Ranch Creek Ditch near Fraser, CO	09031900	--	1948–67
Ranch Creek near Tabernash, CO	09032500	51.3	1934–60
Meadow Creek near Tabernash, CO	09033000	8.03	1935–56
Strawberry Creek near Granby, CO	09033500	11.6	1935–45
Fraser River at Granby, CO	09034000	297	1904–09, 1937–55
Colorado River at Hot Sulphur Springs, CO	09034500	825	1904–94
Little Muddy Creek near Parshall, CO	09034800	6.52	1953–65
South Fork Williams Fork at Upper Station near Ptarmigan Pass, CO	09035820	2.78	1984–87
South Fork Williams Fork near Ptarmigan Pass, CO	09035830	4.01	1984–88
South Fork Williams Fork above Tributary near Ptarmigan Pass, CO	09035840	5.53	1984–87
South Fork Williams Fork Tributary near Ptarmigan Pass, CO	09035845	0.60	1984–88
South Fork Williams Fork above Short Creek near Ptarmigan Pass, CO	09035850	6.53	1984–87

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OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
South Fork Williams Fork below Short Creek near Ptarmigan Pass, CO	09035870	20.0	1984–87
South Fork Williams Fork below Old Baldy Mountain near Leal, CO	09035880	21.8	1985–88
Keyser Creek near Leal, CO	09036500	13.8	1942–52
Williams Fork near Scholl, CO	09037000	141	1910–17
Skylark Creek near Parshall, CO	09037200	2.42	1958–65
Williams Fork Reservoir near Parshall, CO	09038000	230	1939–98
Troublesome Creek near Pearmont, CO	09039000	44.6	1953–93
Troublesome Creek at Atmore Ranch near Troublesome, CO	09039500	48.8	1937–43
East Fork Troublesome Creek near Troublesome, CO	09040000	76.0	1937–43, 1953–83
Troublesome Creek near Troublesome, CO	09040500	168	1904–05, 1921–22, 1937–56
Muddy Creek near Kremmling, CO	09041000	87.4	1937–43, 1955–71, 1993–99
Antelope Creek near Kremmling, CO	09041100	11.5	1955–68
Red Dirt Creek near Kremmling, CO	09041200	19.0	1955–74
Pass Creek near Kremmling, CO	09041300	17.8	1957–70
Muddy Creek at Kremmling, CO	09041500	290	1904–05, 1982–95
Monte Cristo Creek near Hoosier Pass, CO	09043000	5.66	1953–58
Hoosier Creek near Hoosier Pass, CO	09044000	1.15	1953–58
Bemrose Creek near Hoosier Pass, CO	09044500	1.95	1953–58
McCullough Gulch near Breckenridge, CO	09045000	4.79	1953–58
Spruce Creek near Breckenridge, CO	09045500	5.23	1953–58
Blue River at Dillon, CO	09047000	128	1910–61
Snake River at Dillon, CO	09048000	90.9	1910–19, 1929–64
West Tenmile Creek at Copper Mountain, CO	09049200	21.0	1973–79
Tenmile Creek at Frisco, CO	09050000	81.0	1942–50
Tenmile Creek at Dillon, CO	09050500	111	1910–19, 1929–61
Dillon Reservoir	09050600	335	1963–98
Straight Creek near Dillon, CO	09051000	12.9	1943–52
Willow Creek near Dillon, CO	09051500	13.4	1942–51
Rock Creek near Dillon, CO	09052000	15.8	1942–56, 1966–94
Boulder Creek at upper station, near Dillon, CO	09052400	8.56	1966–94
Boulder Creek near Dillon, CO	09052500	9.89	1942–51
Slate Creek at upper station, near Dillon, CO	09052800	14.2	1966–94
Slate Creek near Dillon, CO	09053000	16.6	1942–54
Blue River above Green Mountain Reservoir, CO	09053500	511	1943–71, 1985–88

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Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Black Creek below Black Lake, near Dillon, CO	09054000	15.0	1942–49, 1966–94
Black Creek above Green Mountain Reservoir, CO	09054500	18.5	1944–53
Otter Creek above Green Mountain Reservoir, CO	09055000	8.40	1944–53
Cataract Creek near Kremmling, CO	09055300	12.0	1966–94
Cataract Creek above Green Mountain Reservoir, CO	09055500	13.6	1944–53
Blue River near Kremmling, CO	09056000	571	1904–08
Green Mountain Reservoir	09057000	598	1942–98
Blue River below Spruce Creek near Kremmling, CO	09057520	645	1989–94
Colorado River near Radium, CO	09058030	2,412	1981–90
Piney River below Piney Lake near Minturn, CO	09058500	13.0	1948–54, 1964–2004
Dickson Creek near Minturn, CO	09058600	3.41	1964–71
Dickson Creek near Vail, CO	09058610	3.41	1972–2004
Freeman Creek near Minturn, CO	09058700	2.94	1965–2004
East Meadow Creek near Minturn, CO	09058800	3.61	1965–2004
Rock Creek near Toponas, CO	09060500	47.6	1952–81
Rock Creek at Crater, CO	09060550	72.6	1984–99
Egeria Creek near Toponas, CO	09060700	28.2	1965–73
Rock Creek at McCoy, CO	09060770	198	1983–97
Big Alkali Creek near Burns, CO	09060800	14.2	1958–65
Catamount Creek near Burns, CO	09060900	5.31	1955–61
Big Alkali Creek below Castle Creek near Burns, CO	09060950	34.2	1981–86
Sunnyside Creek near Burns, CO	09061000	9.04	1952–58
Columbine Ditch near Fremont Pass, CO	09061500	--	1930–82
Ewing Ditch at Tennessee Pass, CO	09062000	--	1908–82
Wurtz Ditch near Tennessee Pass, CO	09062500	--	1931–82
Turkey Creek at Red Cliff, CO	09063500	29.4	1913–21, 1944–56
Black Gore Creek near Vail, CO	09066050	19.6	1974–79
Gore Creek at Vail, CO	09066250	57.3	1974–79
Gore Creek at Lower Station, at Vail, CO	09066310	77.1	1988–99
Gore Creek near Minturn, CO	09066500	101	1911–14, 1944–56
Beaver Creek at Avon, CO	09067000	14.8	1911, 1912–14, 1974–87, 1988
Eagle River at Avon, CO	09067005	395	1988–99,
Alkali Creek near Wolcott, CO	09067300	27.3	1958–65
Eagle River at Eagle, CO	09067500	629	1910–24
East Brush Creek at Yeoman Park near Eagle, CO	09067700	9.74	1965–72
Brush Creek near Eagle, CO	09068000	71.4	1950–72

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Gypsum Creek near Gypsum, CO	09069500	62.7	1950–55, 1965–72
Colorado River near Glenwood Springs, CO	09071100	--	1941–85
Grizzly Creek near Glenwood Springs, CO	09071300	5.73	1976–96
Colorado River at Glenwood Springs, CO	09072500	4,558	1899–1966
Roaring Fork above Lost Man Creek near Aspen, CO	09072550	9.10	1980–86
Lincoln Creek below Grizzly Reservoir near Aspen, CO	09073005	15.2	1980–86
Roaring Fork River at Aspen, CO	09073500	109	1910–21, 1931–64
Hunter Creek above Midway Creek near Aspen, CO	09073700	6.18	1964–80
Hunter Creek Feeder Conduit near Aspen, CO	09073720	--	1981–83
Midway Creek Feeder Conduit near Aspen, CO	09073790	--	1981–83
Midway Creek near Aspen, CO	09073800	8.62	1971–80
No Name Creek Feeder Conduit near Aspen, CO	09073890	--	1981–83
No Name Creek near Aspen, CO	09073900	6.54	1971–80
Castle Creek above Aspen, CO	09074800	32.2	1969–94
Castle Creek near Aspen, CO	09075000	67.0	1911–20
Roaring Fork below Aspen, CO	09075500	228	1913–18
Maroon Creek above Aspen, CO	09075700	35.4	1969–94
Maroon Creek near Aspen, CO	09076000	41.7	1910–17
Owl Creek near Aspen, CO	09076520	6.60	1974–89
Fryingpan River Feeder Canal near Norrie, CO	09077150	--	1971–83
Fryingpan River near Ivanhoe Lake, CO	09077200	18.7	1963–82
Lily Pad Feeder Canal near Norrie, CO	09077250	--	1972–83
Granite Creek Feeder Conduit near Norrie, CO	09077300	--	1981–83
Fryingpan River near Norrie, CO	09077400	32.2	1963–67
Ivanhoe Creek near Norrie, CO	09077600	9.12	1963–76
Ivanhoe Creek Feeder Canal near Nast, CO	09077605	--	1976–83
Ivanhoe Creek near Nast, CO	09077610	9.43	1976–82
South Fork Fryingpan River Feeder Canal near Norrie, CO	09077750	--	1971–83
South Fork Fryingpan River at Upper Station near Norrie, CO	09077800	11.5	1963–82
South Fork Fryingpan River near Norrie, CO	09077900	17.3	1963–67
Chapman Gulch Feeder Canal near Norrie, CO	09077940	--	1971–83
Chapman Gulch near Nast, CO	09077945	6.00	1973–82
Chapman Gulch near Norrie, CO	09077950	6.38	1966–72
Sawyer Creek Feeder Canal near Norrie, CO	09077960	--	1972–83
Fryingpan River at Norrie, CO	09078000	90.6	1910–17, 1947–83
North Fork Fryingpan River Feeder Canal near Norrie, CO	09078040	--	1980–83
Morman Creek Feeder Canal near Norrie, CO	09078050	--	1979–83
Carter Creek Feeder Canal near Norrie, CO	09078060	--	1980–83
North Fork Fryingpan River above Cunningham Creek near Norrie, CO	09078100	12.0	1963–80
Cunningham Creek Feeder Canal near Norrie, CO	09078140	--	1979–83

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Middle Cunningham Creek Feeder Canal near Norrie, CO	09078150	--	1980–83
Cunningham Creek near Norrie, CO	09078200	7.12	1963–80
North Fork Fryingpan River below Cunningham Creek near Norrie, CO	09078300	24.2	1963–68
North Fork Fryingpan River near Norrie, CO	09078500	42.0	1910–17, 1947–82
Lime Creek near Troutville, CO	09078900	4.56	1963–68
Lime Creek at Troutville, CO	09079000	7.76	1950–56
Lime Creek at Thomasville, CO	09079500	35.0	1950–56
Fryingpan River at Thomasville, CO	09080000	173	1915–20
Fryingpan River at Meredith, CO	09080100	191	1910–15, 1966–80
Fryingpan River at Ruedi, CO	09080200	226	1959–64
Rocky Fork Creek near Meredith, CO	09080300	12.3	1968–82
West Sopris Creek near Basalt, CO	09080800	14.4	1963–68
Crystal River at Marble, CO	09081500	74.3	1910–15, 1916–17
Crystal River at Placita, CO	09081550	107	1959–73, 1975–77
Crystal River near Redstone, CO	09082500	229	1935–63
North Thompson Creek near Carbondale, CO	09082800	27.8	1963–79
Thompson Creek near Carbondale, CO	09083000	75.4	1950–60, 1964–68
Prince Creek near Carbondale, CO	09083700	3.04	1963–68
Cattle Creek near Carbondale, CO	09084000	31.1	1950–55, 1962–72
Fourmile Creek near Carbondale, CO	09084500	8.10	1941–47
Fourmile Creek near Glenwood Springs, CO	09084600	16.7	1957–65
Canyon Creek above New Castle, CO	09085200	23.8	1969–86
East Canyon Creek near New Castle, CO	09085300	15.1	1969–83
Possum Creek near New Castle, CO	09085400	6.41	1969–82
Canyon Creek near New Castle, CO	09085500	55.0	1954–60
West Elk Creek near New Castle, CO	09086000	9.55	1991–97
Main Elk Creek near New Castle, CO	09086470	91.0	1991–97
East Elk Creek above Boiler Creek near New Castle, CO	09086970	23.4	1991–97
Elk Creek at New Castle, CO	09087500	180	1922–24, 1954–60
Colorado River at New Castle, CO	09087600	6,308	1966–72
Baldy Creek near New Castle, CO	09088000	15.3	1955–61
West Divide Creek below Willow Creek near Raven, CO	09089000	34.9	1938–47, 1963–70
East Divide Creek near Silt, CO	09090700	40.8	1959–65
East Rifle Creek near Rifle, CO	09091500	34.3	1936–43, 1956–64
Rifle Creek near Rifle, CO	09092000	137	1939–46, 1952–64

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Beaver Creek near Rifle, CO	09092500	7.90	1952–82
Battlement Creek near Parachute, CO	09092600	10.5	1956–65
West Parachute Creek near Parachute, CO	09092800	48.1	1957–62
Northwater Creek near Anvil Points, CO	09092830	12.6	1976–83
East Middle Fork Parachute Creek near Rio Blanco, CO	09092850	22.1	1976–83
East Fork Parachute Creek near Anvil Points, CO	09092960	14.5	1976–83
East Fork Parachute Creek near Rulison, CO	09092970	20.4	1976–83
Ben Good Creek near Rulison, CO	09092980	4.04	1976–83
Parachute Creek near Parachute, CO	09093000	141	1948–54, 1964–70, 1975–86
Parachute Creek at Parachute, CO	09093500	198	1921–27, 1948–54, 1975–82
Colorado River near De Beque, CO	09093700	7,370	1967–97
Roan Creek above Clear Creek near De Beque, CO	09094200	151	1962–68
Clear Creek near De Beque, CO	09094400	110	1966–68
Roan Creek near De Beque, CO	09095000	321	1921–26, 1962–72, 1975–81
Dry Fork at upper station, near De Beque, CO	09095300	97.4	1996–98, 2001–2004
Dry Fork near De Beque, CO	09095400	109	1974–82
Government Highline Canal at 16 Road near Loma, CO	09095526	--	1975–85
Lateral No 48 near Mack, CO	09095528	--	1973–81
Government Highline Canal above Camp 7 Spillway near Mack, CO	090955285	--	1983–85
Camp No 7 Spillway near Mack, CO	09095529	--	1975–82
Government Highline Canal near Mack, CO	09095530	--	1973–82
Plateau Creek near Heiberger, CO	09095800	18.6	1958–64
Plateau Creek at Upper Station near Collbran, CO	09096000	24.1	1937–43, 1951–58
Plateau Creek near Collbran, CO	09096500	80.4	1921–80
Buzzard Creek below Owens Creek near Heiberger, CO	09096800	49.7	1955–70
Buzzard Creek near Collbran, CO	09097500	143	1921–80
Brush Creek near Collbran, CO	09097600	9.57	1955–67
Atkinson Creek near Collbran, CO	09098500	0.85	1952–55
East Fork Big Creek near Collbran, CO	09099000	4.92	1940–41, 1950–55
Big Creek at Upper Station near Collbran, CO	09099500	20.2	1945–56
Big Creek near Collbran, CO	09100000	27.1	1937–44
Cottonwood Creek at Upper Station near Molina, CO	09100500	14.0	1945–57
Cottonwood Creek near Molina, CO	09101000	17.8	1937–43
Bull Creek at Upper Station near Molina, CO	09101500	9.85	1945–53

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Coon Creek near Mesa, CO	09104000	9.35	1937–43
Mesa Creek near Mesa, CO	09104500	6.79	1937–60
Colorado River near Palisade, CO	09106000	8,738	1901–33
Kiefer Extension to Grand Valley Canal near Fruita, CO	09106104	--	1975–85
Kiefer Extension to Grand Valley Canal near Loma, CO	09106108	--	1975–85
Lewis Wash near Grand Junction, CO	09106200	4.72	1973–79, 2002–2004
Texas Creek at Taylor Park, CO	09107500	40.4	1929–34, 1988–92
Willow Creek at Taylor Park, CO	09108000	--	1913–14, 1929–34
East River near Crested Butte, CO	09110500	90.3	1939–51
Coal Creek near Crested Butte, CO	09111000	8.65	1941–46
Cement Creek near Crested Butte, CO	09112000	26.1	1910–13, 1940–51
Castle Creek near Baldwin, CO	09113000	20.3	1944–50
Castle Creek above mouth near Baldwin, CO	09113100	22.4	1993–98
Ohio Creek at Baldwin, CO	09113300	47.2	1958–70
Ohio Creek near Baldwin, CO	09113500	121	1940–50, 1958–71, 1979–81
Ohio Creek near Gunnison, CO	09114000	167	1944–50
Tomichi Creek near Doyleville, CO	09116000	209	1944–50
Tomichi Creek at Parlin, CO	09117000	427	1944–51, 1963–70
Quartz Creek near Ohio City, CO	09118000	106	1937–50, 1959–70
Cochetopa Creek near Parlin, CO	09118500	361	1940–48
Gunnison River at Iola, CO	09120500	2,352	1899, 1903, 1937–51
Cebolla Creek near Lake City, CO	09121500	25.2	1946–54
Cebolla Creek near Powderhorn, CO	09121800	248	1960–63
Cebolla Creek at Powderhorn, CO	09122000	340	1937–55
Soap Creek near Sapinero, CO	09122500	57.4	1955–66
Soap Creek at Sapinero, CO	09123000	86.0	1910–14, 1945–52
Lake Fork below Mill Gulch near Lake City, CO	09123400	57.5	1981–86
Lake Fork at Lake City, CO	09123500	115	1917–24, 1928–30, 1931–37
Henson Creek at Lake City, CO	09124000	83.1	1917–19, 1928–30, 1931–37

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Gunnison River below Blue Mesa Dam, CO	09124700	3,453	1963–68
Curecanti Creek near Sapinero, CO	09125000	35.0	1945–72
Cimarron River at Cimarron, CO	09126500	209	1902–05, 1962–67
Cimarron River below Squaw Creek at Cimarron, CO	09127000	229	1942–52
Crystal Creek near Maher, CO	09127500	42.2	1916–19, 1945–54, 1960–69
Gunnison River above Gunnison Tunnel, CO	09127998	3,965	1905–65
Gunnison Tunnel near Montrose, CO	09127999	3,965	1910–65
Smith Fork near Crawford, CO	09128500	42.8	1935–94
Smith Fork at Crawford, CO	09129000	63.1	1954–60
Iron Creek near Crawford, CO	09129500	71.5	1947–52
Smith Fork near Lazear, CO	09129600	166	1976–87
Clear Fork near Ragged Mountain, CO	09129800	38.5	1965–73
East Muddy Creek near Bardine, CO	09130500	133	1934–53
West Muddy Creek near Ragged Mountain, CO	09130600	7.42	1955–65
West Muddy Creek near Bowie, CO	09130800	27.7	1968–74
Cow Creek near Paonia, CO	09131100	12.0	1968–82
West Muddy Creek near Somerset, CO	09131200	49.9	1961–73
Ruby Anthracite Creek near Floresta, CO	09132000	20.7	1938–43, 1954–58
Anthracite Creek near Somerset, CO	09132050	94.6	1977–81
Main Hubbard Creek near Paonia, CO	09132700	1.33	1960–68
Middle Hubbard Creek near Paonia, CO	09132800	1.36	1960–68
West Hubbard Creek near Paonia, CO	09132900	2.34	1960–73
Hubbard Creek near Bowie, CO	09132920	20.7	1968–74
North Fork Gunnison River near Paonia, CO	09133000	653	1921–32
Minnesota Creek at Paonia, CO	09134050	53.5	1976–79
Cottonwood Creek near Hotchkiss, CO	09134200	41.0	1976–79
Leroux Creek near Cedaredge, CO	09134500	34.5	1936–56, 1960–69
Cow Creek near Cedaredge, CO	09134700	7.24	1960–69
Leroux Creek near Lazear, CO	09135000	51.8	1917–26
Leroux Creek at Hotchkiss, CO	09135900	66.7	1976–96
Gunnison River near Lazear, CO	09136200	5,241	1962–85
Currant Creek near Cedaredge, CO	09136500	42.2	1948–54
Currant Creek near Read, CO	09137050	56.9	1976–87
Dirty George Creek near Grand Mesa, CO	09137800	10.6	1957–69
Ward Creek near Grand Mesa, CO	09139200	12.2	1957–69
Ward Creek near Cedaredge, CO	09139500	20.4	1939–46
Kiser Creek near Grand Mesa, CO	09140200	5.35	1957–69
Kiser Creek near Cedaredge, CO	09140500	10.8	1939–46
Cottonwood Creek near Grand Mesa, CO	09140700	2.15	1957–68

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OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Cottonwood Creek near Cedaredge, CO	09141000	4.39	1939–46
Youngs Creek near Grand Mesa, CO	09141200	10.3	1957–69
Youngs Creek near Cedaredge, CO	09141500	11.3	1939–46
Ward Creek below Kiser Creek near Cedaredge, CO	09142000	52.2	1944–52
Surface Creek at Eckert, CO	09144000	43.6	1939–51
Tongue Creek at Cory, CO	09144200	197	1957–68, 1976–87
Red Mountain Creek near Ironton, CO	09144500	18.1	1947–55
Uncompahgre River At Ouray, CO	09145000	42.0	1908, 1910–24
Canyon Creek at Ouray, CO	09145500	25.8	1910–15
Uncompahgre River below Ouray, CO	09146000	75.2	1913–29
West Fork Dallas Creek near Ridgway, CO	09146400	14.1	1955–70
East Fork Dallas Creek near Ridgway, CO	09146500	16.8	1947–53 1960–70
Beaver Creek near Ridgway, CO	09146550	12.2	1960–68
Pleasant Valley Creek near Noel, CO	09146600	8.17	1955–67
Cow Creek near Ridgway, CO	09147100	45.4	1955–73
Spring Creek near Beaver Hill, CO	09149400	41.6	1977–81
Spring Creek near Montrose, CO	09149420	76.6	1977–81
Dry Creek at Begonia Road near Delta, CO	09149480	175	1996–98
Potter Creek near Columbine Pass, CO	09149900	7.10	1980–81
Potter Creek near Olathe, CO	09149910	26.0	1980–81
Roubideau Creek at mouth near Delta, CO	09150500	242	1938–54, 1976–83
Escalante Creek near Delta, CO	09151500	209	1922–23, 1970–89
Kannah Creek near Whitewater, CO	09152000	61.9	1917–82
Callow Creek at Whitewater, CO	09152520	4.17	2000–2003
Orchard Mesa Drain at Grand Junction, CO	09152600	3.70	1973–83
Leach Creek at Durham, CO	09152650	24.8	1973–83
Adobe Creek near Fruita, CO	09152900	15.4	1973–83
Colorado River near Fruita, CO	09153000	17,100	1907–23
Big Salt Wash at Fruita, CO	09153270	142	1973–77
Reed Wash near Mack, CO	09153290	15.7	1975–2000
Reed Wash near Loma, CO	09153300	29.3	1973–83
West Salt Creek near Carbonera, CO	09153330	95.6	1979–82
West Salt Creek near Mack, CO	09153400	168	1973–83
Badger Wash near Mack, CO	09163050	6.51	1973–82
East Salt Creek near Mack, CO	09163310	197	1973–82
Mack Wash near Mack, CO	09163340	15.9	1973–82
Salt Creek near Mack, CO	09163490	436	1973–83
Hay Press Creek above Fruita Reservoir 3 near Glade Park, CO	09163570	0.77	1983–88
West Fork Dolores River near Stoner, CO	09166000	162	1941–44

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Lost Canyon Creek at Dolores, CO	09167000	73.5	1922–27, 1941–48
Plateau Creek near mouth near Dolores, CO	09167450	83.0	1982–83
Dolores River near McPhee, CO	09167500	817	1938–52
Disappointment Creek near Dove Creek, CO	09168100	147	1957–86
Dolores River near Slick Rock, CO	09168730	1,432	1997–2003
Big Gypsum Creek near Slick Rock, CO	09168800	43.9	1979–81
West Paradox Creek near Paradox, CO	09170500	23.6	1944–52
West Paradox Creek above Bedrock, CO	09170800	53.3	1971–73
West Paradox Creek near Bedrock, CO	09171000	55.3	1944–52
San Miguel River near Telluride, CO	09171200	42.8	1959–65
San Miguel River at Fall Creek, CO	09171500	167	1895–99, 1910
Fall Creek near Fall Creek, CO	09172000	33.4	1941–59
Leopard Creek at Noel, CO	09172100	9.03	1955–63
Saltado Creek near Norwood, CO	09172600	--	1976–80
Gurley Ditch near Norwood, CO	09172700	--	1976–80
West Beaver Creek near Norwood, CO	09172800	--	1976–80
Beaver Creek near Norwood, CO	09173000	40.6	1941–61, 1962–67, 1975–81
Horsefly Creek near Sams, CO	09173500	28.8	1942–51
San Miguel River near Nucla, CO	09174000	649	1953–62
Cottonwood Creek near Nucla, CO	09174500	38.8	1942–51
West Naturita Creek at upper station near Norwood, CO	09174700	7.31	1976–80
West Naturita Creek near Norwood, CO	09175000	53.0	1940–52, 1975–80
Lilylands Canal near Norwood, CO	09175200	--	1976–80
Maverick Draw near Norwood, CO	09175400	41.3	1976–80
San Miguel River at Naturita, CO	09175500	1,069	1917–29, 1940–81
Tabeguache Creek near Nucla, CO	09176500	16.9	1946–53
Taylor Creek near Gateway, CO	09177500	15.4	1944–67
Deep Creek near Paradox, CO	09178000	4.31	1944–53
Geysers Creek near Paradox, CO	09178500	--	1944–51
Roc Creek near Uranium, CO	09179000	75.8	1944–52
Salt Creek near Gateway, CO	09179200	31.2	1979–85
Dolores River at Gateway, CO	09179500	4,347	1936–54
Vermillion Creek at Ink Springs Ranch, CO	09235450	816	1977–81
Vermillion Creek below Douglas Draw, near Lodore, CO	09235490	918	1995
Bear River near Toponas, CO	09236000	22.1	1952–65, 1966–86
Bear River near Yampa, CO	09236500	41.6	1939–44

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OR STAGE-ONLY STATIONS—CONTINUED**

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Service Creek near Oak Creek, CO	09237800	38.2	1965–73
Oak Creek near Oak Creek, CO	09238000	14.0	1952–57
North Fork Walton Creek near Rabbit Ears Pass, CO	09238300	0.71	1972–75
Fishhook Creek near Rabbit Ears Pass, CO	09238350	6.45	1972–75
Walton Creek near Steamboat Springs, CO	09238500	42.4	1920–22, 1965–73, 1978–87
Fish Creek Tributary above Long Lake near Buffalo Pass, CO	09238700	0.43	1984–86
Long Lake Inlet near Buffalo Pass, CO	09238705	0.71	1987–95
Fish Creek Tributary below Long Lake, near Buffalo Pass, CO	09238710	1.03	1985–95
Middle Fork Fish Creek near Buffalo Pass, CO	09238750	1.37	1985–95
Granite Creek near Buffalo Pass, CO	09238770	2.82	1985–95
Middle Fork Fish Creek tributary, below Fish Creek Reservoir, CO	09238800	4.78	1984–94
Spring Creek near Steamboat Springs, CO	09239400	6.96	1965–72
Elk River at Hinman Park, CO	09240500	61.0	1911–18
South Fork Elk River near Clark, CO	09240800	33.7	1966–73
Elk River above Clark, CO	09240900	122	1988–93, 1998–2003
Elk River at Clark, CO	09241000	216	1910–22, 1930–91, 1998–2003
Middle Creek near Oak Creek, CO	09243700	23.5	1976–81, 1982–2001
Foidel Creek near Oak Creek, CO	09243800	8.61	1976–81, 82–83, 1985–2001
Foidel Creek at mouth near Oak Creek, Co	09243900	17.5	1976–81, 1982–2001
Fish Creek near Milner, CO	09244100	34.5	1955–73
Grassy Creek near Mount Harris, CO	09244300	25.8	1958–66
Yampa River near Hayden, CO	09244400	1,390	1965–72
Gibraltar Canal near Hayden, CO	09244405	--	1965–72
Yampa River below diversion near Hayden, CO	09244410	1,390	1965–86
Sage Creek above Sage Creek Reservoir near Hayden, CO	09244415	4.17	1980–83
Watering Trough Gulch near Hayden, CO	09244460	2.65	1977–81
Hubberson Gulch near Hayden, CO	09244464	8.08	1977–81
Stokes Gulch near Hayden, CO	09244470	13.6	1976–81
Elkhead Creek near Clark, CO	09244500	45.4	1942–44, 1958–73
Elkhead Creek near Elkhead, CO	09245000	64.2	1953–96
North Fork Elkhead Creek near Elkhead, CO	09245500	21.0	1910, 1920, 1958–73
Elkhead Creek near Craig, CO	09246500	249	1906, 1909–18

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Fortification Creek near Craig, CO	09246900	34.3	1955–60
Fortification Creek at Craig, CO	09247000	258	1903–06, 1909–18, 1943–47
Yampa River at Craig, CO	09247500	1,730	1901–06,
East Fork of Williams Fork near Willow Creek, CO	09248500	96.0	1943–47
East Fork of Williams Fork above Willow Creek, CO	09248600	108	1956–72
East Fork of Williams Fork near Pagoda, CO	09249000	150	1953–71
South Fork of Williams Fork near Pagoda, CO	09249200	46.7	1965–79
Waddle Creek near Pagoda, CO	09249450	5.24	1985–86
Deep Rock Gulch near Hamilton, CO	09249455	3.53	1985–86
Williams Fork at Hamilton, CO	09249500	341	1904–06, 1909–27
Morapos Creek near Hamilton, CO	09249700	13.7	1965–67
Williams Fork River at mouth, near Hamilton, CO	09249750	419	1984–2001
Milk Creek near Thornburgh, CO	09250000	65.0	1952–86
Good Spring Creek at Axial, CO	09250400	40.0	1975–78
Wilson Creek above Taylor Creek near Axial, CO	09250507	20.0	1980–92
Taylor Creek at mouth near Axial, CO	09250510	7.22	1975–92
Jubb Creek near Axial, CO	09250610	7.53	1975–81
Morgan Gulch near Axial, CO	09250700	25.6	1980–81
Yampa River above Little Snake River near Maybell, CO	09251100	3,837	1996–2003
Middle Fork Little Snake River near Battle Creek, CO	09251500	120	1912–22
South Fork Little Snake River near Battle Creek, CO	09252500	46.0	1912–20
Battle Creek near Slater, CO	09253500	285	1942–51
Slater Fork at Baxter Ranch near Slater, CO	09254500	80.0	1911–20, 1922
Little Snake River near Dixon, WY	09257000	988	1910–23, 1938–97
Willow Creek near Dixon, WY	09258000	24.0	1953–93
Little Snake River above Lily, CO	09259950	--	1950–69
Sand Wash near Sunbeam, CO	09259990	239	1987–91
North Fork White River below Trappers Lake, CO	09302400	19.5	1956–65
North Fork White River above Ripple Creek near Trappers Lake, CO	09302420	62.5	1965–73
Lost Creek near Buford, CO	09302450	21.5	1964–89
Marvine Creek near Buford, CO	09302500	59.7	1903–06, 1973–84
North Fork White River near Buford, CO	09302800	220	1903–06, 1956–72
North Fork White River at Buford, CO	09303000	259	1910–16, 1919–21, 1952–2001
South Fork White River at Budge's Resort, CO	09303300	52.3	1975–95

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Wagonwheel Creek at Budge's Resort, CO	09303320	7.36	1975–89
Patterson Creek near Budge's Resort, CO	09303340	11.2	1976–77
South Fork White River near Budge's Resort, CO	09303400	128	1976–95
South Fork White River near Buford, CO	09303500	157	1903–06, 1910–15, 1942–47, 1967–92
South Fork White River at Buford, CO	09304000	177	1919–20, 1952–97
Big Beaver Creek near Buford, CO	09304100	34.1	1955–64
Miller Creek near Meeker, CO	09304150	57.6	1970–79
Coal Creek near Meeker, CO	09304300	25.1	1957–68
White River at Meeker, CO	09304600	808	1978–85
Piceance Creek at Rio Blanco, CO	09305500	8.97	1952–57
Piceance Creek below Rio Blanco, CO	09306007	177	1974–98
Middle Fork Stewart Gulch near Rio Blanco, CO	09306015	24.0	1974–76, 1977–82
Stewart Gulch above West Fork near Rio Blanco, CO	09306022	44.0	1976–85
West Fork Stewart Gulch near Rio Blanco, CO	09306025	14.2	1974–76, 1977–82
West Fork Stewart Gulch at mouth near Rio Blanco, CO	09306028	15.7	1974–82
Sorghum Gulch near Rio Blanco, CO	09306033	1.22	1974–76, 1977–82
Sorghum Gulch at mouth near Rio Blanco, CO	09306036	3.62	1974–86
Cottonwood Gulch near Rio Blanco, CO	09306039	1.20	1974–85
Piceance Creek Tributary near Rio Blanco, CO	09306042	1.06	1974–84, 1985–92
Piceance Creek below Gardenhire Gulch near Rio Blanco, CO	09306045	255	1980–82, 1985
Scandard Gulch near Rio Blanco, CO	09306050	6.61	1974–76, 1978–82
Scandard Gulch at mouth near Rio Blanco, CO	09306052	7.97	1974–85
Willow Creek near Rio Blanco, CO	09306058	48.4	1974–85
Piceance Creek above Hunter Creek near Rio Blanco, CO	09306061	309	1974–87
Black Sulphur Creek near Rio Blanco, CO	09306175	103	1975–83
Horse Draw near Rangely, CO	09306202	1.47	1977–81
Horse Draw at mouth near Rangely, CO	09306203	2.87	1977–81
White River above Crooked Wash near White River City, CO	09306224	1,821	1982–89
Stake Springs Draw near Rangely, CO	09306230	26.1	1974–77
Corral Gulch below Water Gulch near Rangely, CO	09306235	8.61	1974–89
Dry Fork near Rangely, CO	09306237	2.74	1974–82
Box Elder Gulch near Rangely, CO	09306240	9.21	1974–85
Box Elder Gulch Tributary near Rangely, CO	09306241	2.39	1975–82
Corral Gulch at 84 Ranch, CO	09306244	37.8	1975–77

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Yellow Creek Tributary near 84 Ranch, CO	09306246	5.53	1975–77
Duck Creek at Upper Station near 84 Ranch, CO	09306248	39.1	1975–77
Duck Creek near 84 Ranch, CO	09306250	50.0	1975–77
White River above Rangely, CO	09306300	2,773	1972–82
Douglas Creek at Rangely, CO	09306380	425	1977–78, 1995
East Fork San Juan River above Sand Creek, near Pagosa Springs, CO	09339900	64.1	1957–1996, 1999–2003
East Fork San Juan River near Pagosa Springs, CO	09340000	86.9	1935–80
West Fork San Juan River above Borns Lake near Pagosa Springs, CO	09340500	41.2	1937–53
West Fork San Juan River at West Fork Campground near Pagosa Springs, CO	09340800	50.5	1984–87, 1997–99
Wolf Creek near Pagosa Springs, CO	09341200	14.0	1968–75
Wolf Creek at Wolf Creek Campground near Pagosa Springs, CO	09341300	18.0	1984–87, 1997–99
Windy Pass Creek near Pagosa Springs, CO	09341350	1.41	1984–87
West Fork San Juan River near Pagosa Springs, CO	09341500	85.4	1935–60, 1985–87, 1997–98
Turkey Creek near Pagosa Springs, CO	09342000	23.0	1937–49
Rio Blanco near Pagosa Springs, CO	09343000	58.0	1935–71
Rio Blanco below Blanco diversion dam near Pagosa Springs, CO	09343300	69.1	1971–98
Rito Blanco near Pagosa Springs, CO	09343500	23.3	1935–52
Navajo River at Banded Peak Ranch near Chromo, CO	09344000	69.8	1937–95
Navajo River above Chromo, CO	09344300	96.4	1956–70
Navajo River below OSO diversion dam near Chromo, CO	09344400	100.5	1971–98
Little Navajo River at Chromo, CO	09345500	21.9	1935–52
Navajo River at Edith, CO	09346000	172	1912–96
Middle Fork Piedra River near Pagosa Springs, CO	09347200	32.2	1969–75
Middle Fork Piedra River near Dyke, CO	09347205	34.1	1978–84
Piedra River at Bridge Ranger Station near Pagosa Springs, CO	09347500	82.3	1936–41, 1946–54
Williams Creek near Bridge Ranger Station near Pagosa Springs, CO	09348500	43.7	1936–41, 1946–49
Weminuche Creek near Bridge Ranger Station near Pagosa Springs, CO	09349000	53.4	1936–41, 1946–49
Piedra River near Piedra, CO	09349500	371	1911–12, 1938–73
Los Pinos River near Bayfield, CO	09353500	270	1927–86
Animas River at Howardsville, CO	09357500	55.9	1935–82
Cement Creek near Silverton, CO	09358500	13.5	1935–37, 1946–49
Mineral Creek above Silverton, CO	09358900	11.0	1968–75
Mineral Creek near Silverton, CO	09359000	43.9	1935–49

**DISCONTINUED SURFACE-WATER DISCHARGE
OR STAGE-ONLY STATIONS—CONTINUED**

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Lime Creek near Silverton, CO	09359100	33.9	1956–61
Animas River above Tacoma, CO	09359500	348	1945–56
Hermosa Creek near Hermosa, CO	09361000	172	1911, 1912–14, 1919–28, 1939–80
Falls Creek near Durango, CO	09361200	7.18	1959–65
Junction Creek near Durango, CO	09361400	26.3	1959–65
Lightner Creek near Durango, CO	09362000	66.0	1927–49
Wilson Gulch near Durango, CO	09362550	6.5	1995–2002
Rainbow Springs Trout Ranch near Bondad, CO	09362600	--	1995–97
Florida River near Hermosa, CO	09362900	68.8	1955–63
Florida River near Durango, CO	09363000	97.4	1899, 1901–03, 1910–12, 1917–24, 1926–60
Florida River below Florida Farmers Ditch near Durango, CO	09363050	107	1967–82
Highway Spring near Loma Linda, CO	09363070	--	1995–97
Salt Creek near Oxford, CO	09363100	17.7	1956–63, 1967–83
Florida River at Bondad, CO	09363200	221	1956–63, 1967–83
Cherry Creek near Red Mesa, CO	09366000	66.0	1928–50
West Mancos River near Mancos, CO	09368500	39.4	1910–11, 1938–53
East Mancos River near Mancos, CO	09369000	11.9	1937–51
Middle Mancos River near Mancos, CO	09369500	12.1	1937–51
Mancos River near Mancos, CO	09370000	71.5	1921, 1931–38
Mancos River near Cortez, CO	09370800	302	1976–79
Mancos River below Johnson Canyon near Cortez, CO	09370820	320	1979–82
Navajo Wash near Towaoc, CO	09371002	26.3	1986–94
Hartman Draw at Cortez, CO	09371400	34.0	1978–86
McElmo Creek above Alkali Canyon near Cortez, CO	09371420	147	1972–86
Mud Creek near Cortez, CO	09371495	33.6	1978–81
McElmo Creek near Cortez, CO	09371500	230	1926–29, 1940–45, 1950–54, 1982–93
McElmo Creek below Cortez, CO	09371700	283	1972–83

^aConverted to a crest-stage partial-record station.

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the period of record shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Canadian River near Lindland, CO	06619400	44.0	Temp., S.C., Sed.	1978–83
Canadian River near Brownlee, CO	06619450	158	Temp., S.C., Sed.	1978–83
Duck Creek near Grant, CO	06704500	7.78	Temp., S.C., Sed.	1995–97
Geneva Creek at Grant, CO	06705500	74.6	Temp., S.C., Sed.	1995–97
South Platte River at Littleton, CO	06710000	3,069	Temp. S.C.	1970–86 1984–86
South Platte River at 64th Ave. at Commerce City, CO	06714215	3,884	Temp., pH, D.O.	1987
South Clear Creek above Lower Cabin Creek Reservoir near Georgetown, CO	06714400	--	Temp., S.C., Sed.	1995–97 1995,1997
South Clear Creek above Leavenworth Creek near Georgetown, CO	06714600	16.0	Temp., S.C. Sed.	1995–97 1995
Leavenworth Creek at mouth, near Georgetown, CO	06714800	12.0	Temp., S.C. Sed.	1995–97 1995
Clear Creek at Golden, CO	06719505	400	pH, D.O., Sed. Temp., S.C.	1981 1981–95
Ralston Creek near Plainview, CO	06719725	36.9	Temp., S.C., pH, D.O.	1983–84
Schwartzwalder Mine Effluent near Plainview, CO	06719730	--	Temp., S.C., pH, D.O.	1983–84
Ralston Creek below Schwartzwalder Mine, CO	06719735	38.9	Temp., S.C., pH, D.O.	1983–84
Ralston Creek above Ralston Res. near Plainview, CO	06719740	42.7	Temp., S.C., pH, D.O.	1983–84
Cache La Poudre River at Fort Collins	06752260	1,127	Temp., S.C., pH	1987–99
Cache La Poudre River near Greeley, CO	06752500	1,877	Temp., S.C., pH, D.O.	1975
South Platte River near Kersey, CO	06754000	8,598	Temp.	1950–53
Kiowa Creek at Elbert, CO	06758000	28.6	Sed.	1957–68, 1960–62, 1964–65
West Kiowa Creek at Elbert, CO	06758100	35.9	Sed.	1962–65
Kiowa Creek at Kiowa, CO	06758200	111	Sed.	1956–65
South Platte River at Julesburg, CO (Chan. 2)	06763990	--	Temp. S.C.	1967–73 1971–73
North Fork Republican River near Wray, CO	06822000	1,019	Temp., Sed.	1962–63
East Fork Arkansas River at Highway 24 near Leadville, CO	07079300	49.9	Temp., S.C., pH	1990–96
Arkansas River near Leadville, CO	07081200	98.8	Temp., S.C., pH	1990–96
California Gulch at Malta, CO	07081800	8.13	Temp., S.C., pH	1991–92
Halfmoon Creek near Malta, CO	07083000	23.6	Temp.	1967–82
Arkansas River below Empire Gulch, near Malta, CO	07083710	237	Temp., S.C., pH	1990–93
Arkansas River at Buena Vista, CO	07087200	611	Temp., S.C.	1986–93
Arkansas River near Nathrop, CO	07091200	1,060	S.C., pH	1989–93
Badger Creek, upper station, near Howard, CO	07093740	106	Temp. Sed.	1995–2003 1981–2003
Badger Creek, lower station, near Howard, CO	07093775	211	Temp. Sed.	1995–2003 1981–95
Arkansas River at Parkdale, CO	07094500	2,548	S.C.	1986–93
Red Creek below Sullivan Park at Fort Carson, CO	07099080	26.6	Sed.	2000–2003
Fountain Creek near Colorado Springs, CO	07103700	103	Sed.	1995–2003
Cottonwood Creek at Cowpoke Road at Colorado Springs, CO	07103977	5.93	Sed.	1998–2003

DISCONTINUED SURFACE-WATER-QUALITY STATIONS—CONTINUED

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the period of record shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Cottonwood Creek Tributary above Rangewood Drive at Colorado Springs, CO	07103985	2.81	Sed.	1998–2003
Monument Creek at Pikeview, CO	07104000	204	Sed.	1995–97
Fountain Creek at Security, CO	07105800	495	Temp., S.C., pH, D.O.	1991–98
Fountain Creek near Pinon, CO	07106300	849	Temp., S.C.	1976–79
Apishapa River at Aguilar, CO	07118500	149	Sed.	1979–81
Apishapa River near Fowler, CO	07119500	1,125	Temp., S.C.	1966–68
Big Arroyo near Thatcher, CO	07120620	15.5	Temp., S.C., Sed.	1983–90 ^a
Arkansas River near La Junta, CO	07122000	--	Temp., S.C.	1966–68
Horse Creek near Las Animas, CO	07123675	1,403	Temp., S.C.	1987–93
Middle Fork Purgatoire River at Stonewall, CO	07124050	52.1	Temp., S.C. Sed.	1978–81 1979–81
Molino Canyon near Weston, CO	07124100	4.23	Sed.	1979–81
Sarcillo Canyon near Segundo, CO	07124120	35.3	Sed.	1980–81
Purgatoire River at Madrid, CO	07124200	550	Temp., S.C. Sed.	1979–81 1978–81
Mulligan Canyon near Boncarbo, CO	07124210	4.53	Sed.	1979–81
Reilly Canyon at Cokedale, CO	07124220	35.1	Sed.	1979–81
Carpios Canyon near Jansen, CO	07124350	100	Sed.	1979–81
Purgatoire River below Trinidad Lake, CO	07124410	672	Sed.	1977–82
Luning Arroyo Tributary near Model, CO	07126110	--	Temp., S.C.	1984
Van Bremer Arroyo near Thatcher, CO	07126130	80.6	Temp., S.C.	1985
Van Bremer Arroyo near Tyrone, CO	07126140	132	Temp., S.C.	1985–98
Van Bremer Arroyo near Model, CO	07126200	175	Temp., S.C.	1983–98
Purgatoire River near Thatcher, CO	07126300	1,791	Sed. Temp., S.C.	1983–92 1983–98
Burke Arroyo Tributary near Thatcher, CO	07126320	4.66	Temp., S.C. Sed.	1983–86 1984–86
Taylor Arroyo below Rock Crossing near Thatcher, CO	07126325	48.4	Temp., S.C.	1983–98
Lockwood Canyon Creek near Thatcher, CO	07126390	41.4	Temp., S.C., Sed.	1989–92
Red Rock Canyon Creek at mouth, near Thatcher, CO	07126415	48.8	Temp., S.C.	1983–90 ^a
Chacuaco Creek at mouth near Timpas, CO	07126470	424	Temp., S.C., Sed.	1983–92
Bent Canyon Creek at mouth near Timpas, CO	07126480	56.2	Temp., S.C.	1983–90 ^a
Purgatoire River at Rock Crossing near Timpas, CO	07126485	2,635	Temp., S.C., Sed.	1983–92
Purgatoire River at Highland Dam near Las Animas, CO	07128000	3,376	S.C.	1967–68
Purgatoire River near Las Animas, CO	07128500	3,318	Temp., S.C.	1986–96
Willow Creek at Creede, CO	08216500	35.3	Temp., S.C.	1976–77
Rio Grande at Wagonwheel Gap, CO	08217500	780	Temp., S.C.	1976–77
San Luis Creek near Poncha Pass, CO	08224110	6.57	Sed.	1981–83
San Luis Creek above Villa Grove, CO	08224113	11.2	Sed.	1981–83
Alamosa River above Wightman Fork near Jasper, CO	08235250	37.8	Temp., S.C., pH	1995–97,99
Wightman Fork at mouth near Jasper, CO	08235290	16.1	Temp., S.C., pH	1995–97,99
Alamosa River above Terrace Reservoir, CO	08236000	106	Temp., S.C., pH	1994–97
Alamosa River below Terrace Reservoir, CO	08236500	116	Temp., S.C., pH	1995–97,99
Rio Grande above Culebra Creek near Lobatos, CO	08249200	--	Temp., S.C.	1964–66

DISCONTINUED SURFACE-WATER-QUALITY STATIONS—CONTINUED

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[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Colorado River below Baker Gulch near Grand Lake, Co	09010500	53.4	Temp.	1997–98
Colorado River at Hot Sulphur Springs, CO	09034500	825	Temp., S.C.	1947–94
Williams Fork near Parshall, CO	09037500	184	Temp., S.C.	1986–87
Williams Fork below Williams Fork Reservoir, CO	09038500	230	Temp., S.C.	1985–87
Muddy Creek at Kremmling, CO	09041500	290	Temp., S.C.	1986–87, 1990–95
French Gulch at Breckenridge, CO	09046530	10.9	Temp.	1997–98
West Tenmile Creek at Copper Mountain, CO	09049200	21.0	Sed.	1973–79
Boulder Creek near Dillon, CO	09052500	9.89	Temp., S.C.	1982
Blue River above Green Mountain Reservoir, CO	09053500	511	Temp. S.C.	1986 1986–87
Blue River below Green Mountain Reservoir, CO	09057500	599	Temp., S.C.	1995–99
Rock Creek at Crater, CO	09060550	72.6	Temp., S.C.	1986–87
Black Gore Creek near Vail, CO	09066050	19.6	Sed.	1973–79
Gore Creek at Vail, CO	09066250	57.3	Sed.	1973–79
Gore Creek at mouth near Minturn, CO	09066510	102	Temp. S.C.	1997–98 1997
Colorado River near Dotsero, CO	09070500	4,394	Temp., S.C. Temp.	1980–84 1997–98
Colorado River near Glenwood Springs, CO	09071100	4,560	Sed. Temp.	1959–61 1969–70, 1980–85
Colorado River at Glenwood Springs, CO	09072500	4,558	S.C. Temp. Sed.	1980–85 1954–58 1959–61
Roaring Fork River above Difficult Creek near Aspen, CO	09073300	75.8	Temp., S.C.	2000
Hunter Creek above Midway Creek near Aspen, CO	09073700	6.18	Temp., S.C.	1976–77
Roaring Fork River at Glenwood Springs, CO	09085000	1,451	Temp., S.C. Sed.	1980–84 1959–61
Colorado River below Glenwood Springs, CO	09085100	6,013	Temp., S.C.	1980–84
East Middle Fork Parachute Cr near Rio Blanco, CO	09092850	22.1	Temp., S.C. Sed.	1976–82 1977–82
East Fork Parachute Creek near Rulison, CO	09092970	20.4	Temp. S.C. Sed.	1977–78, 1980–83 1977–83 1978, 1980–83
Parachute Creek near Parachute, CO	09093000	141	Temp., S.C. Sed.	1975–80 1974–75
Parachute Creek at Parachute, CO	09093500	198	Temp., S.C. Sed.	1975–80 1974–82
Colorado River near De Beque, CO	09093700	7,370	Temp., S.C. Sed.	1973–82 1974–76
Roan Creek near De Beque, CO	09095000	321	Temp., S.C. Sed.	1975–80 1975–81
Dry Fork at Upper Station near DeBeque, CO	09095300	97.4	Temp.	1997–98

DISCONTINUED SURFACE-WATER-QUALITY STATIONS—CONTINUED

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the period of record shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Government Highline Canal near Mack, CO	09095530	--	Temp. S.C.	1973–80 1974–80
Plateau Creek near Cameo, CO	09105000	592	Temp., S.C.	1971–75
Lewis Wash near Grand Junction, CO	09106200	4.72	Temp., S.C.	1973–77
East River below Cement Creek near Crested Butte, CO	09112200	238	S.C., D.O., Temp.	1995–97 1995–98
Gunnison River below Gunnison Tunnel, CO	09128000	3,965	Temp.	1997–98
Uncompahgre River near Ridgway, CO	09146200	149	Temp.	1997–98
Dry Creek at Begonia Road near Delta, CO	09149480	175	Temp. S.C.	1997–98 1997
Uncompahgre River at Delta, CO	09149500	1,115	Sed.	1959
Potter Creek near Columbine Pass, CO	09149900	7.10	Temp., S.C.	1981
Potter Creek near Olathe, CO	09149910	26.0	Temp., S.C.	1981
Orchard Mesa Drain at Grand Junction, CO	09152600	3.70	Temp., S.C.	1973–77
Leach Creek at Durham, CO	09152650	24.8	Temp., S.C.	1973–77
Adobe Creek near Fruita, CO	09152900	15.4	Temp., S.C.	1973–80
Big Salt Wash at Fruita, CO	09153270	142	Temp., S.C.	1973–77
Reed Wash near Mack, CO	09153290	15.7	Temp. S.C.	1997–98 1997
Reed Wash near Loma, CO	09153300	29.3	Temp., S.C.	1973–83
West Salt Creek near Carbonera, CO	09153330	95.6	Temp., S.C.	1981–82
West Salt Creek near Mack, CO	09153400	168	Temp., S.C.	1973–84
Badger Wash Observation Res 4-A near Mack, CO	09160000	.02	Temp., S.C.	1981
Badger Wash Observation Res 12 near Mack, CO	09160500	.09	Temp., S.C.	1981–82
Badger Wash Observation Res 2-A near Mack, CO	09161000	.15	Temp., S.C.	1981
Badger Wash near Mack, CO	09163050	6.51	Temp., S.C.	1973–80
East Salt Creek near Mack, CO	09163310	197	Temp., S.C.	1973–82
Mack Wash near Mack, CO	09163340	15.9	Temp. S.C.	1973–82 1974–82
Salt Creek near Mack, CO	09163490	436	Temp., S.C.	1973–83
Disappointment Creek near Dove Creek, CO	09168100	147	Temp., S.C.	1984
Big Gypsum Creek near Slick Rock, CO	09168800	43.9	Temp., S.C.	1981
Dolores River below W. Paradox Cr near Bedrock, CO	09171070	2,144	Temp., S.C.	1986–87
Salt Creek near Gateway, CO	09179200	31.2	Temp., S.C.	1981–85
Dolores River at Gateway, CO	09179500	4,347	Temp.	1949–52
Yampa River near Oak Creek, CO	09237500	227	Sed.	1985–88
Middle Creek near Oak Creek, CO	09243700	23.5	Temp., S.C.	1976–81
Foidel Creek near Oak Creek, CO	09243800	8.61	Temp., S.C.	1976–83, 1986–88
Foidel Creek at mouth near Oak Creek, CO	09243900	17.5	Temp., S.C. Sed.	1976–81 1978–81
Sage Creek above Sage Creek Res. near Hayden, CO	09244415	4.17	Temp., S.C.	1981–83
Watering Trough Gulch near Hayden, CO	09244460	2.65	Temp., S.C.	1979–81
Hubberson Gulch near Hayden, CO	09244464	8.08	Temp., S.C.	1979–81
Stokes Gulch near Hayden, CO	09244470	13.6	Temp., S.C., Sed.	1978–81
Elkhead Creek above Long Gulch near Hayden, CO	09246200	171	Temp., S.C.	1995–99, 2001–2003

DISCONTINUED SURFACE-WATER-QUALITY STATIONS—CONTINUED

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the period of record shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Elkhead Creek below Maynard Gulch near Craig, CO	09246400	212	Temp., S.C.	1995–99, 2001–2003
Good Spring Creek at Axial, CO	09250400	40.0	Temp. S.C.	1975–78 1974–78
Wilson Creek above Taylor Creek near Axial, CO	09250507	20.0	Temp., S.C., Sed.	1980–81
Taylor Creek at mouth near Axial, CO	09250507	7.22	Temp., S.C.	1976–81
Wilson Creek near Axial, CO	09250600	27.4	Temp. S.C. Sed.	1975–80 1974–80 1976–80
Jubb Creek near Axial, CO	09250610	7.53	Temp., S.C.	1976–81
Morgan Gulch near Axial, CO	09250700	25.6	Temp., S.C.	1980–81
Little Snake River above Lily, CO	09259950	3,730	Temp., S.C. Sed.	1950–69 1958–64
Little Snake River near Lily, CO	09260000	3,730	Temp., S.C. Sed.	1975–85 1958–64
Yampa River at Deerlodge Park, CO	09260050	7,660	Temp., S.C.	1977–82
White River above Coal Creek, near Meeker, CO	09304200	648	Temp., S.C.	1978–84
White River near Meeker, CO	09304500	755	Temp., S.C.	1973–74
White River at Meeker, CO	09304600	808	Temp., S.C.	1978–85
White River below Meeker, CO	09304800	1,024	Temp., S.C.	1978–85
Piceance Creek below Rio Blanco, CO	09306007	177	Temp., S.C., Sed.	1974–85
Middle Fork Stewart Gulch near Rio Blanco, CO	09306015	24.0	Temp., S.C. Sed.	1976, 1981 1976
Stewart Gulch above West Fork near Rio Blanco, CO	09306022	44.0	Temp., S.C., Sed.	1974–82
West Fork Stewart Gulch near Rio Blanco, CO	09306025	14.2	Temp. S.C.	1974–76, 1980–81 1975–76, 1980–81
West Fork Stewart Gulch at mouth near Rio Blanco, CO	09306028	15.7	Sed. Temp. S.C.	1974–76 1980–81 1977, 1980–81
Sorghum Gulch near Rio Blanco, CO	09306033	1.22	Temp., S.C. Sed.	1975–76, 1980 1975–76
Sorghum Gulch at mouth near Rio Blanco, CO	09306036	3.62	Temp., S.C. Sed.	1976, 1978, 1980 1975–77, 1982
Cottonwood Gulch near Rio Blanco, CO	09306039	1.20	Temp., S.C. Sed.	1976–78, 1980 1974–77, 1980

DISCONTINUED SURFACE-WATER-QUALITY STATIONS—CONTINUED

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the period of record shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Piceance Creek Tributary near Rio Blanco, CO	09306042	1.06	Temp., S.C.	1974–86
			Sed.	1974–82
Piceance Creek below Gardenhire Gulch near Rio Blanco, CO	09306045	255	Temp., S.C.	1980–81
Scandard Gulch near Rio Blanco, CO	09306050	6.61	Temp., S.C.	1980
			Sed.	1975–76
Scandard Gulch at mouth near Rio Blanco, CO	09306052	7.97	Temp., S.C.	1976, 1978, 1980
			Sed.	1974–76, 1980
Willow Creek near Rio Blanco, CO	09306058	48.4	Temp., S.C.	1974–82
			pH, D.O.	1976–82
			Sed.	1974–82
Piceance Creek above Hunter Creek near Rio Blanco, CO	09306061	309	Temp., S.C., Sed.	1974–85
			pH, D.O.	1974–84
Black Sulphur Creek near Rio Blanco, CO	09306175	103	Temp., S.C., Sed.	1975–81
Piceance Creek below Ryan Gulch near Rio Blanco, CO	09306200	506	Sed.	1972–83
			Temp., S.C.	1980–82, 1986–98
Horse Draw near Rangely, CO	09306202	1.47	Sed.	1980
Horse Draw at mouth near Rangely, CO	09306203	2.87	Temp., S.C.	1980
			Sed.	1980–81
Piceance Creek at White River, CO	09306222	652	Temp., S.C., Sed.	1974–83
Stake Springs Draw near Rangely, CO	09306230	26.1	Temp., S.C., Sed.	1977
Corral Gulch below Water Gulch near Rangely, CO	09306235	8.61	Temp., S.C.	1975–85
			Sed.	1974–82
Dry Fork near Rangely, CO	09306237	2.74	Temp., S.C.	1977, 1979, 1982
			Sed.	1975, 1977, 1979, 1981–82
Box Elder Gulch near Rangely, CO	09306240	9.21	Temp., S.C.	1975–85
			Sed.	1975–82
Box Elder Gulch Tributary near Rangely, CO	09306241	2.39	Temp.	1976, 1980–81
			S.C.	1976–77, 1981
			Sed.	1975, 1980, 1982
Corral Gulch near Rangely, CO	09306242	31.6	Temp., S.C.	1975–87
			Sed.	1974–85
Corral Gulch at 84 Ranch, CO	09306244	37.8	Temp., S.C. Sed.	1975–77
Yellow Creek Tributary near 84 Ranch, CO	09306246	5.53	Sed.	1976

DISCONTINUED SURFACE-WATER-QUALITY STATIONS—CONTINUED

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the period of record shown for each station.

[--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Duck Creek at Upper Station near 84 Ranch, CO	09306248	39.1	Sed.	1976
Duck Creek near 84 Ranch, CO	09306250	50.0	Temp., S.C.	1977
Yellow Creek near White River, CO	09306255	262	Temp., S.C. Sed.	1974–82
Windy Pass Creek near Pagosa Springs, CO	09341350	1.41	Sed.	1986
West Fork San Juan River near Pagosa Springs, CO	09341500	87.9	Sed.	1985–87
Rio Blanco near Pagosa Springs, CO	09343000	58.0	Sed.	1961–62
Navajo River above Chromo, CO	09344300	96.4	Sed.	1961–62
Vallecito Creek near Bayfield, CO	09352900	72.1	Temp.	1962–82
Mancos River near Cortez, CO	09370800	302	Temp., S.C.	1976–79
Mancos River below Johnson Canyon near Cortez, CO	09370820	320	Temp., S.C.	1979–82
Mancos River near Towaoc, CO	09371000	526	Sed.	1961
Hartman Draw at Cortez, CO	09371400	34.0	Temp., S.C.	1978–81
McElmo Creek near Cortez, CO	09371500	230	Temp., S.C.	1982–93

Type of record: Temp. (temperature), S.C. (specific conductance), pH (pH), D.O. (dissolved oxygen), Sed. (sediment).

^aConverted to a crest-stage partial-record station.

06618300 ILLINOIS RIVER BELOW ISH BALDWIN DITCH NEAR WALDEN, CO

LOCATION.--Lat 40°34'32", long 106°14'28", in NW¼SE¼ sec.15, T.7 N., R.79 W., Jackson County, Hydrologic Unit 10180001, on right bank, 200 ft below Ish Baldwin Ditch Diversion and 9.7 mi north-northwest of Rand, and 11mi south-southeast of Walden.

DRAINAGE AREA.--181 mi².

PERIOD OF RECORD.--April 2002 to September 2004 (seasonal records only), discontinued. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06618300

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8295 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream is affected by numerous upstream diversions and return flow.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 500 ft³/s, June 2, 2003, gage height 7.21 ft; no flow many days.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 47 ft³/s, July 1, gage height, 5.11 ft; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	5.8	2.6	6.0	37	0.23	5.2
2	---	---	---	---	---	---	5.4	2.7	5.3	24	0.00	3.7
3	---	---	---	---	---	---	4.9	2.5	4.9	11	0.00	0.96
4	---	---	---	---	---	---	4.8	2.2	4.9	7.1	0.00	2.0
5	---	---	---	---	---	---	4.8	2.1	6.4	6.8	0.00	5.3
6	---	---	---	---	---	---	6.2	5.2	6.8	10	0.00	7.5
7	---	---	---	---	---	---	7.5	2.0	7.2	10	0.00	6.4
8	---	---	---	---	---	---	7.8	1.9	9.7	5.0	0.00	5.6
9	---	---	---	---	---	---	9.2	2.1	16	2.9	0.00	5.0
10	---	---	---	---	---	---	12	4.7	15	2.8	0.00	4.5
11	---	---	---	---	---	---	10	11	15	5.6	0.00	4.5
12	---	---	---	---	---	---	8.6	12	15	6.9	0.00	4.4
13	---	---	---	---	---	---	7.3	15	12	4.8	0.00	3.4
14	---	---	---	---	---	---	6.9	14	8.7	2.7	0.00	1.7
15	---	---	---	---	---	---	5.9	9.6	6.8	0.97	0.00	0.69
16	---	---	---	---	---	---	5.5	7.4	11	0.83	0.00	0.31
17	---	---	---	---	---	---	6.4	7.5	11	1.0	0.00	0.02
18	---	---	---	---	---	---	7.2	5.4	18	0.91	0.00	0.00
19	---	---	---	---	---	---	8.9	2.9	19	2.5	0.00	0.00
20	---	---	---	---	---	---	8.6	2.6	14	0.92	7.1	0.00
21	---	---	---	---	---	---	5.0	3.4	13	0.56	5.7	0.49
22	---	---	---	---	---	---	5.0	5.7	16	0.22	9.1	4.2
23	---	---	---	---	---	---	5.0	11	15	0.23	8.9	5.3
24	---	---	---	---	---	---	4.6	12	8.3	6.6	6.7	6.0
25	---	---	---	---	---	---	3.9	8.4	5.5	7.2	5.6	6.8
26	---	---	---	---	---	---	3.2	8.5	5.0	2.5	6.1	7.2
27	---	---	---	---	---	---	2.9	7.1	7.8	2.3	9.4	6.3
28	---	---	---	---	---	---	2.7	5.7	14	1.5	15	5.2
29	---	---	---	---	---	---	2.6	4.7	14	1.5	12	4.3
30	---	---	---	---	---	---	2.6	6.2	17	1.2	8.6	5.5
31	---	---	---	---	---	---	---	7.6	---	1.2	6.6	---
TOTAL	---	---	---	---	---	---	181.2	195.7	328.3	168.74	101.03	112.47
MEAN	---	---	---	---	---	---	6.04	6.31	10.9	5.44	3.26	3.75
MAX	---	---	---	---	---	---	12	15	19	37	15	7.5
MIN	---	---	---	---	---	---	2.6	1.9	4.9	0.22	0.00	0.00
AC-FT	---	---	---	---	---	---	359	388	651	335	200	223

06618480 ILLINOIS RIVER BELOW POTTER CREEK NEAR WALDEN, CO

LOCATION.--Lat 40°42'31", long 106°16'47", in SW¹/₄NW¹/₄ sec.32, T.9 N., R.79 W., Jackson County, Hydrologic Unit 10180001, on left bank 500 ft downstream from Potter Creek, and 1.5 mi south of Walden.

DRAINAGE AREA.--257 mi², of which about 0.33 mi² is probably noncontributing.

PERIOD OF RECORD.--August 2001 to September 2004 (seasonal records only), discontinued. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06618480

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,070 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream is affected by numerous diversions and return flow.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 423 ft³/s, June 3, 2003, gage height, 7.63 ft; no flow many days, most years.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 28 ft³/s, July 2, gage height, 4.67 ft; no flow Sept. 17-18.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	7.8	5.9	2.6	12	1.8	0.01
2	---	---	---	---	---	---	6.6	5.5	5.9	21	1.6	0.01
3	---	---	---	---	---	---	5.7	5.0	4.6	23	1.2	0.01
4	---	---	---	---	---	---	5.3	4.6	2.7	11	0.90	0.03
5	---	---	---	---	---	---	5.0	4.3	1.6	4.2	0.65	0.03
6	---	---	---	---	---	---	5.2	3.7	0.92	1.7	0.53	0.02
7	---	---	---	---	---	---	9.0	3.3	0.47	1.1	0.39	0.02
8	---	---	---	---	---	---	11	2.9	0.22	0.89	0.27	0.01
9	---	---	---	---	---	---	17	2.6	0.16	0.62	0.17	0.01
10	---	---	---	---	---	---	19	2.6	0.15	0.57	0.11	0.01
11	---	---	---	---	---	---	20	2.6	2.1	0.39	0.08	0.01
12	---	---	---	---	---	---	20	4.1	8.1	0.26	0.06	0.01
13	---	---	---	---	---	---	19	9.1	11	0.20	0.05	0.01
14	---	---	---	---	---	---	17	11	9.9	0.17	0.05	0.01
15	---	---	---	---	---	---	15	10	5.4	0.23	0.04	0.01
16	---	---	---	---	---	---	13	8.8	2.5	1.8	0.03	0.01
17	---	---	---	---	---	---	12	6.4	1.5	1.3	0.03	0.00
18	---	---	---	---	---	---	10	4.3	5.9	1.2	0.04	0.00
19	---	---	---	---	---	---	10	2.8	11	0.62	0.09	0.01
20	---	---	---	---	---	---	11	2.1	12	0.46	0.06	0.02
21	---	---	---	---	---	---	14	1.6	13	0.53	0.05	0.03
22	---	---	---	---	---	---	16	1.2	13	7.6	0.04	0.05
23	---	---	---	---	---	---	15	0.95	10	8.0	0.03	0.08
24	---	---	---	---	---	---	13	0.68	11	5.4	0.02	0.52
25	---	---	---	---	---	---	11	1.5	8.8	5.5	0.02	6.0
26	---	---	---	---	---	---	10	7.2	4.2	3.8	0.02	5.4
27	---	---	---	---	---	---	9.4	7.4	1.7	7.4	0.05	1.9
28	---	---	---	---	---	---	8.3	6.7	1.1	6.5	0.02	0.96
29	---	---	---	---	---	---	7.5	5.6	0.85	5.1	0.02	0.83
30	---	---	---	---	---	---	6.8	3.5	5.3	3.5	0.01	1.7
31	---	---	---	---	---	---	---	2.5	---	2.7	0.01	---
TOTAL	---	---	---	---	---	---	349.6	140.43	157.67	138.74	8.44	17.72
MEAN	---	---	---	---	---	---	11.7	4.53	5.26	4.48	0.27	0.59
MAX	---	---	---	---	---	---	20	11	13	23	1.8	6.0
MIN	---	---	---	---	---	---	5.0	0.68	0.15	0.17	0.01	0.00
AC-FT	---	---	---	---	---	---	693	279	313	275	17	35

06620000 NORTH PLATTE RIVER NEAR NORTHGATE, CO

LOCATION.--Lat 40°56'15", long 106°20'16", in NE¹/₄ SW¹/₄ SE¹/₄ sec.11, T.11 N., R.80 W., Jackson County, Hydrologic Unit 10180001, on right bank 1,000 ft downstream from bridge on State Highway 125, 0.7 mi upstream from Camp Creek, 4.2 mi northwest of Northgate, and 4.4 mi south of Colorado-Wyoming State line.

DRAINAGE AREA.--1,431 mi².

PERIOD OF RECORD.--May to November 1904 (published as "near Pinkhampton"), May 1915 to current year. Monthly discharge only for some periods, published in WSP 1310. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/wy/nwis/inventory/?site_no=06620000

REVISED RECORDS.--WSP 1310: 1916-21, 1929(M), 1930-32. WSP 1730: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,810.39 ft above NGVD of 1929. See WSP 1730 for history of changes prior to Apr. 8, 1918. Apr. 8, 1918 to Aug. 21, 1961, water-stage recorder at site 0.7 mi downstream at datum 3.36 ft lower. Aug. 22, 1961 to Sept. 18, 1984, at site 650 ft upstream at same datum. U.S. Geological Survey data collection platform with satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Diversions for irrigation of about 130,000 acres of hay meadows upstream from station. Transbasin diversions upstream from station to Cache la Poudre River Basin.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	63	e140	e86	e88	e86	286	155	289	1,030	196	100
2	42	69	e140	e84	e86	e80	289	136	247	913	179	90
3	54	88	e140	e82	e86	e83	296	118	212	660	166	81
4	62	106	e130	e80	e88	e85	290	105	188	500	152	82
5	62	e93	e120	e78	e86	e89	255	112	252	454	143	97
6	58	e72	e110	e80	e86	e90	265	162	427	426	130	134
7	56	e72	e110	e82	e86	e90	287	221	602	382	130	135
8	54	e74	e100	e84	e88	e92	282	247	635	316	113	116
9	52	e80	e90	e88	e86	e95	297	259	595	267	101	105
10	51	e83	e83	e86	e84	e97	323	271	546	247	90	99
11	50	e85	e80	e86	e84	e100	329	292	550	243	83	90
12	49	e90	e80	e84	e80	e100	327	316	493	243	81	89
13	49	e90	e80	e83	e81	e110	336	328	449	226	79	82
14	49	e93	e80	e84	e82	e110	321	302	415	245	75	79
15	49	e93	e80	e84	e84	e130	275	280	380	250	72	84
16	49	e93	e80	e84	e86	e140	235	215	394	352	68	85
17	50	e93	e80	e84	e88	e160	205	169	503	777	65	79
18	49	e92	e80	e80	e90	e200	203	144	785	606	66	73
19	49	e90	e80	e82	e90	e270	226	130	976	465	92	71
20	50	e86	e83	e84	e88	e350	248	145	823	380	153	76
21	51	e78	e86	e82	e86	e460	254	214	850	387	211	121
22	51	e70	e83	e82	e88	e600	265	273	1,150	355	214	243
23	51	e78	e80	e84	e92	e800	272	303	888	456	173	291
24	50	e86	e76	e86	e94	e930	233	288	573	442	138	314
25	48	e94	e80	e86	e96	792	236	287	467	346	117	341
26	e45	e100	e84	e84	e98	717	211	313	460	301	104	296
27	52	e110	e80	e86	e98	637	164	269	460	268	108	274
28	53	e110	e80	e88	e94	530	141	237	477	236	153	265
29	52	e120	e80	e90	e90	389	141	219	454	220	150	266
30	52	e130	e82	e92	---	348	158	269	703	206	133	299
31	56	---	e84	e90	---	316	---	323	---	201	115	---
TOTAL	1,588	2,681	2,861	2,615	2,553	9,076	7,650	7,102	16,243	12,400	3,850	4,557
MEAN	51.2	89.4	92.3	84.4	88.0	293	255	229	541	400	124	152
MAX	62	130	140	92	98	930	336	328	1,150	1,030	214	341
MIN	42	63	76	78	80	80	141	105	188	201	65	71
AC-FT	3,150	5,320	5,670	5,190	5,060	18,000	15,170	14,090	32,220	24,600	7,640	9,040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2004, BY WATER YEAR (WY)

MEAN	158	151	104	83.5	88.9	177	737	1,111	1,449	624	259	147
MAX	538	366	215	177	199	722	2,444	3,649	3,296	2,367	763	712
(WY)	(1962)	(1962)	(1998)	(1984)	(1986)	(1986)	(1962)	(1984)	(1983)	(1957)	(1983)	(1997)
MIN	31.7	54.2	33.9	27.5	35.7	47.8	131	96.1	89.4	26.7	33.3	23.8
(WY)	(1935)	(1935)	(1977)	(1977)	(1933)	(1964)	(1981)	(2002)	(1934)	(1934)	(2002)	(1934)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1904 - 2004	
ANNUAL TOTAL	109,947		73,176			
ANNUAL MEAN	301		200		425	
HIGHEST ANNUAL MEAN					878	
LOWEST ANNUAL MEAN					91.5	
HIGHEST DAILY MEAN	3,300	Jun 3	1,150	Jun 22	6,450	Jun 10, 1923
LOWEST DAILY MEAN	42	Oct 2	42	Oct 2	15	Sep 6, 7 2002
ANNUAL SEVEN-DAY MINIMUM	e47	Jan 10	49	Oct 12	16	Sep 2, 2002
MAXIMUM PEAK FLOW			1,190	Jun 22	a6,720	Jun 11, 1923
MAXIMUM PEAK STAGE			b4.17	Jun 22	c9.65	Apr 25, 1980
ANNUAL RUNOFF (AC-FT)	218,100		145,100		308,200	
10 PERCENT EXCEEDS	598		454		1,190	
50 PERCENT EXCEEDS	105		107		159	
90 PERCENT EXCEEDS	52		70		68	

e Estimated.

a Gage height, 6.34 ft, site and datum then in use.

b Maximum gage height, 6.33 ft, Mar 23, backwater from ice.

c Backwater from ice, site and datum then in use.

06693800 MOSQUITO CREEK NEAR ALMA, CO

LOCATION.--Lat 39°16'12", long 106°03'02", in SE¼NE¼ sec.13, T.9 S., R.78 W., Park County, Hydrologic Unit 10190001, on left bank 0.1 mi upstream from confluence with Middle Fork South Platte River, and 1.2 mi south of Alma.

DRAINAGE AREA.--16.2 mi².

PERIOD OF RECORD.--October 1998 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06693800

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 10,220 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by minor diversions for irrigation, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	5.0	e5.2	e3.1	e3.5	e3.8	5.0	7.6	26	44	15	7.3
2	9.4	5.1	e4.7	e3.1	e3.6	e3.8	4.9	8.3	29	39	15	7.1
3	12	e5.6	e4.5	e3.1	e3.8	e3.8	4.5	9.6	37	36	15	7.0
4	11	e5.6	e4.4	e3.1	e3.9	e3.8	4.9	11	48	33	14	7.2
5	10	e5.9	e4.4	e3.1	e3.9	e3.8	4.9	14	53	30	15	7.9
6	9.6	e5.6	e4.2	e3.1	e3.9	e3.8	3.8	17	62	30	14	7.5
7	9.0	e5.5	e3.9	e3.1	e3.9	e3.9	3.9	20	70	29	13	7.0
8	8.5	5.4	e3.9	e3.1	e3.9	e4.4	4.6	23	69	29	12	6.8
9	8.3	5.2	e3.9	e3.1	e3.9	e4.5	4.7	24	70	28	11	6.8
10	8.0	5.5	e3.9	e3.1	e3.9	e4.7	4.4	28	66	27	11	6.9
11	8.4	e5.3	e3.6	e3.1	e3.9	e4.7	4.5	32	47	27	10	6.8
12	7.8	e5.8	e3.5	e3.1	e3.9	e5.0	4.5	29	38	26	9.9	6.6
13	7.5	e5.8	e3.5	e3.2	e3.9	e5.0	4.8	23	37	26	9.6	6.4
14	7.3	6.0	e3.5	e3.3	e3.9	e5.0	5.2	19	45	27	9.2	6.2
15	7.2	6.2	e3.5	e3.5	e3.9	e5.0	5.4	18	48	29	9.0	6.2
16	6.9	e5.9	e3.5	e3.5	e3.9	e5.2	5.8	18	45	32	9.0	6.0
17	6.8	e5.9	e3.3	e3.5	e3.9	e5.2	6.6	19	42	49	9.3	5.9
18	6.7	e5.9	e3.3	e3.5	e3.9	e5.5	6.6	24	44	45	10	5.8
19	6.6	e5.5	e3.3	e3.5	e3.8	e5.6	5.9	36	42	36	17	6.3
20	6.5	e5.5	e3.3	e3.5	e3.8	e5.6	6.0	51	41	33	13	6.3
21	6.4	e5.5	e3.0	e3.5	e3.8	e5.9	5.8	52	40	30	11	8.0
22	5.8	e5.5	e3.0	e3.5	e3.8	e5.9	5.3	48	34	28	11	7.7
23	5.3	e5.3	e3.0	e3.5	e3.8	6.0	7.0	40	31	27	11	7.5
24	5.2	e5.3	e3.0	e3.5	e3.8	5.6	6.9	38	31	26	9.8	7.8
25	5.2	e5.3	e3.0	e3.5	e3.8	6.0	5.8	37	32	23	9.1	8.2
26	5.7	e5.3	e3.0	e3.5	e3.8	6.6	6.1	35	36	21	8.7	8.3
27	5.2	e5.3	e3.0	e3.5	e3.8	5.0	7.4	35	35	20	9.0	7.7
28	5.4	e5.3	e3.0	e3.5	e3.8	4.6	7.5	39	36	19	9.0	7.6
29	5.2	e5.3	e3.0	e3.5	e3.8	5.5	7.1	44	39	16	8.3	7.8
30	5.0	e5.3	e3.0	e3.5	---	6.8	6.7	34	48	16	8.0	8.4
31	5.1	---	e3.0	e3.5	---	5.2	---	28	---	15	7.7	---
TOTAL	225.8	165.6	110.3	103.2	111.2	155.2	166.5	861.5	1,321	896	343.6	213.0
MEAN	7.28	5.52	3.56	3.33	3.83	5.01	5.55	27.8	44.0	28.9	11.1	7.10
MAX	12	6.2	5.2	3.5	3.9	6.8	7.5	52	70	49	17	8.4
MIN	5.0	5.0	3.0	3.1	3.5	3.8	3.8	7.6	26	15	7.7	5.8
AC-FT	448	328	219	205	221	308	330	1,710	2,620	1,780	682	422

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004
MEAN	8.59	6.63	4.29	3.68	3.72	4.16
MAX	10.0	7.63	5.75	5.03	4.45	5.01
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2004)
MIN	6.80	5.38	3.47	3.09	2.98	3.41
(WY)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1999 - 2004
ANNUAL TOTAL	5,814.9	4,672.9	
ANNUAL MEAN	15.9	12.8	
HIGHEST ANNUAL MEAN			16.3
LOWEST ANNUAL MEAN			25.3
HIGHEST DAILY MEAN	118	May 29	70
LOWEST DAILY MEAN	e3.0	Dec 21	e3.0
ANNUAL SEVEN-DAY MINIMUM	e3.0	Dec 21	e3.0
MAXIMUM PEAK FLOW		93	Jun 9
MAXIMUM PEAK STAGE		5.65	Jun 9
ANNUAL RUNOFF (AC-FT)	11,530	9,270	11,810
10 PERCENT EXCEEDS	46	36	45
50 PERCENT EXCEEDS	6.7	6.1	6.9
90 PERCENT EXCEEDS	3.3	3.5	3.5

e Estimated.

06696980 TARRYALL CREEK AT UPPER STATION, NEAR COMO, CO

LOCATION.--Lat 39°20'22", long 105°54'40", in NE¹/₄SW¹/₄ sec.20, T.8 S., R.76 W., Park County, Hydrologic Unit 10190001, on left bank 200 ft upstream from culvert on County Road 33, and 1.8 mi northwest of Como.

DRAINAGE AREA.--23.7 mi².

PERIOD OF RECORD.--June 1978 to September 1986. May 2002 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06696980

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,935 ft above NGVD of 1929, from topographic map. Prior to July 15, 1980, at site 250 ft downstream at different datum. July 15, 1980 to Sept. 30, 1986 at current site, different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined; maximum daily, 170 ft³/s, June 12, 1980; maximum gage height, 5.39 ft, June 1, 2003; minimum daily, 1.5 ft³/s, Apr. 5, 1981.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 28 ft³/s, June 18, gage height, 4.46 ft; minimum daily, 5.0 ft³/s, Apr. 1-3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e5.0	6.9	22	20	9.6	7.1
2	---	---	---	---	---	---	e5.0	7.7	21	18	9.3	6.9
3	---	---	---	---	---	---	e5.0	8.1	21	17	9.0	6.9
4	---	---	---	---	---	---	e5.2	8.7	21	16	9.0	6.9
5	---	---	---	---	---	---	e5.3	9.5	22	16	11	7.1
6	---	---	---	---	---	---	5.4	11	23	16	9.5	7.0
7	---	---	---	---	---	---	5.4	13	25	15	8.3	6.6
8	---	---	---	---	---	---	6.2	14	26	14	7.8	6.4
9	---	---	---	---	---	---	6.3	16	26	13	7.5	6.2
10	---	---	---	---	---	---	5.5	17	27	13	6.8	6.2
11	---	---	---	---	---	---	5.6	19	25	12	6.8	6.2
12	---	---	---	---	---	---	5.9	20	24	12	6.9	5.9
13	---	---	---	---	---	---	5.9	19	22	12	7.0	5.8
14	---	---	---	---	---	---	6.2	18	22	11	6.7	5.6
15	---	---	---	---	---	---	6.2	17	22	12	6.5	5.6
16	---	---	---	---	---	---	6.3	18	22	17	6.5	5.4
17	---	---	---	---	---	---	6.6	18	22	21	6.7	5.4
18	---	---	---	---	---	---	6.5	18	24	17	9.6	5.4
19	---	---	---	---	---	---	6.1	21	22	15	14	5.5
20	---	---	---	---	---	---	5.9	23	21	15	11	5.6
21	---	---	---	---	---	---	5.9	24	22	15	10	7.9
22	---	---	---	---	---	---	5.5	25	21	14	10	7.2
23	---	---	---	---	---	---	5.4	25	19	16	9.7	7.3
24	---	---	---	---	---	---	5.6	24	19	15	8.9	8.1
25	---	---	---	---	---	---	6.4	24	21	e14	8.4	7.9
26	---	---	---	---	---	---	6.6	23	20	e14	8.0	7.3
27	---	---	---	---	---	---	7.1	23	20	e12	8.1	6.9
28	---	---	---	---	---	---	7.1	23	21	11	8.5	7.2
29	---	---	---	---	---	---	6.7	23	21	11	7.8	7.1
30	---	---	---	---	---	---	6.9	24	23	10	7.6	7.2
31	---	---	---	---	---	---	---	23	---	10	7.4	---
TOTAL	---	---	---	---	---	---	178.7	563.9	667	444	263.9	197.8
MEAN	---	---	---	---	---	---	5.96	18.2	22.2	14.3	8.51	6.59
MAX	---	---	---	---	---	---	7.1	25	27	21	14	8.1
MIN	---	---	---	---	---	---	5.0	6.9	19	10	6.5	5.4
AC-FT	---	---	---	---	---	---	354	1,120	1,320	881	523	392

e Estimated.

06700000 SOUTH PLATTE RIVER ABOVE CHEESMAN LAKE, CO

LOCATION.--Lat 39°09'46", long 105°18'35", in T.10 S., R.71 W., Douglas County, Hydrologic Unit 10190002, on right bank about 200 ft upstream from high water mark of Cheesman Lake, and 8.0 mi south-southwest of Deckers.

DRAINAGE AREA.--1628 mi², of which 11.9 mi² is noncontributing.

PERIOD OF RECORD.--July 1899 to December 1901, October 1924 to September 1943 (no winter records in water years 1931-33, 1935-39, 1942-43). August 2002 to current year (seasonal records only). Published as South Fork South Platte River at Lake Cheesman, 1899; "below Lake Cheesman", 1900; and South Fork South Platte River at Cheesman, 1901. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06700000

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,845 ft above NGVD of 1929, from topographic map. July 31, 1899 to Dec. 31, 1901, staff gage at site within 4.5 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by minor transmountain diversion from Colorado River Basin through Boreas Pass Ditch, Antero and Elevenmile Canyon Reservoirs, diversions for irrigation of about 40,000 acres, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 4,690 ft³/s, July 28, 2003, gage height, 11.54 ft; minimum daily, 3 ft³/s, Jan. 9, 12, 1925, but may have been less during periods of no gage-height record.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 512 ft³/s, July 16, gage height, 6.33 ft; minimum daily, 53 ft³/s, Apr. 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	54	100	138	224	170	132
2	---	---	---	---	---	---	53	92	145	183	160	136
3	---	---	---	---	---	---	66	87	151	160	148	132
4	---	---	---	---	---	---	63	83	153	155	140	131
5	---	---	---	---	---	---	56	82	156	152	143	126
6	---	---	---	---	---	---	54	80	147	151	144	131
7	---	---	---	---	---	---	60	79	139	151	150	125
8	---	---	---	---	---	---	67	78	183	143	162	122
9	---	---	---	---	---	---	81	75	170	139	158	124
10	---	---	---	---	---	---	89	76	170	151	152	114
11	---	---	---	---	---	---	88	88	214	140	140	116
12	---	---	---	---	---	---	88	104	224	138	137	112
13	---	---	---	---	---	---	85	126	224	129	125	112
14	---	---	---	---	---	---	86	152	222	158	126	114
15	---	---	---	---	---	---	83	171	223	151	130	110
16	---	---	---	---	---	---	79	171	236	204	129	113
17	---	---	---	---	---	---	73	167	244	226	122	110
18	---	---	---	---	---	---	66	170	276	209	127	110
19	---	---	---	---	---	---	59	162	246	212	148	113
20	---	---	---	---	---	---	57	153	222	251	159	113
21	---	---	---	---	---	---	56	133	218	248	163	112
22	---	---	---	---	---	---	64	142	226	248	164	116
23	---	---	---	---	---	---	76	144	213	289	169	113
24	---	---	---	---	---	---	81	132	209	296	166	112
25	---	---	---	---	---	---	96	128	197	275	156	120
26	---	---	---	---	---	---	99	135	211	252	146	117
27	---	---	---	---	---	---	98	151	231	247	152	127
28	---	---	---	---	---	---	100	154	253	242	140	141
29	---	---	---	---	---	---	102	148	246	187	126	148
30	---	---	---	---	---	---	103	144	250	172	128	148
31	---	---	---	---	---	---	---	143	---	173	127	---
TOTAL	---	---	---	---	---	---	2,282	3,850	6,137	6,056	4,507	3,650
MEAN	---	---	---	---	---	---	76.1	124	205	195	145	122
MAX	---	---	---	---	---	---	103	171	276	296	170	148
MIN	---	---	---	---	---	---	53	75	138	129	122	110
AC-FT	---	---	---	---	---	---	4,530	7,640	12,170	12,010	8,940	7,240

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE, CO

LOCATION.--Lat 39°12'33", long 105°16'02", in SE ¼ NW ¼ sec.6, T.10 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank 1,400 ft downstream from toe of Cheesman Dam, and 3.8 mi southwest of Deckers.

DRAINAGE AREA.--1,752 mi².

PERIOD OF RECORD.--October 1924 to September 1998, October 2001 to current year. Monthly discharge only for some periods, published in WSP 1310. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06701500

REVISED RECORDS.--WSP 1310: 1949. WSP 1730: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, and Parshall flume. Datum of gage is 6,609.29 ft above NGVD of 1929. Prior to May 14, 1956, at site 370 ft upstream at datum 0.50 ft higher.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by minor transmountain diversion from Colorado River Basin through Boreas Pass Ditch, Antero and Elevenmile Canyon Reservoirs, diversions for irrigation of about 40,000 acres, and return flow from irrigated areas. Flow completely regulated by Cheesman Lake (station 06701000).

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178	47	71	36	36	89	36	49	47	53	381	196
2	92	46	42	36	36	119	36	50	47	53	355	211
3	57	47	42	37	52	135	36	50	47	108	346	221
4	49	47	42	38	65	134	35	50	45	194	397	221
5	50	47	42	37	49	109	35	48	45	203	452	160
6	50	47	42	37	34	87	35	48	45	145	498	103
7	50	47	42	37	34	87	35	74	67	101	497	103
8	49	47	43	37	34	87	35	103	94	101	440	141
9	48	47	45	37	35	87	35	103	111	133	341	177
10	48	47	45	38	37	87	35	93	136	156	248	206
11	48	47	45	38	38	71	35	64	136	140	205	225
12	48	47	45	72	38	49	36	51	136	130	205	225
13	49	47	44	113	38	39	36	52	136	132	205	225
14	50	47	45	113	38	39	49	53	138	147	204	253
15	49	47	43	113	38	39	98	53	118	156	203	273
16	48	47	40	97	38	38	97	53	89	145	273	272
17	48	47	52	86	38	38	121	53	89	91	321	315
18	48	47	59	86	38	38	148	53	81	54	321	343
19	48	48	59	86	38	38	125	53	73	91	212	340
20	48	48	59	86	37	38	83	87	73	176	103	340
21	48	73	59	69	36	38	70	173	79	256	76	340
22	48	103	45	57	36	36	70	123	83	308	114	284
23	48	101	35	57	36	36	70	89	83	324	185	213
24	48	101	35	57	38	37	69	89	84	336	215	179
25	48	102	35	57	47	37	71	66	110	336	216	179
26	48	103	35	57	63	36	70	48	130	290	202	177
27	47	103	35	57	71	37	71	48	103	244	192	218
28	47	103	35	44	71	37	57	48	65	244	194	248
29	47	103	35	36	71	36	48	48	53	244	194	247
30	47	103	35	36	---	36	48	45	53	268	196	219
31	47	---	35	36	---	35	---	46	---	314	196	---
TOTAL	1,678	1,936	1,366	1,823	1,260	1,849	1,825	2,063	2,596	5,673	8,187	6,854
MEAN	54.1	64.5	44.1	58.8	43.4	59.6	60.8	66.5	86.5	183	264	228
MAX	178	103	71	113	71	135	148	173	138	336	498	343
MIN	47	46	35	36	34	35	35	45	45	53	76	103
AC-FT	3,330	3,840	2,710	3,620	2,500	3,670	3,620	4,090	5,150	11,250	16,240	13,590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2004, BY WATER YEAR (WY)

	130	68.7	52.6	57.4	55.4	56.5	145	277	326	354	340	207
MEAN	130	68.7	52.6	57.4	55.4	56.5	145	277	326	354	340	207
MAX	380	266	184	156	169	208	932	1,716	1,088	1,451	984	517
(WY)	(1985)	(1985)	(1996)	(1998)	(1998)	(1986)	(1942)	(1970)	(1995)	(1995)	(1984)	(1998)
MIN	12.9	6.33	5.26	5.26	2.76	3.11	2.00	11.0	38.5	53.5	66.7	33.5
(WY)	(1965)	(1960)	(1926)	(1926)	(1957)	(1957)	(1957)	(1938)	(1989)	(1967)	(1978)	(1978)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1925 - 2004
ANNUAL TOTAL	34,178	37,110	
ANNUAL MEAN	93.6	101	173
HIGHEST ANNUAL MEAN			450
LOWEST ANNUAL MEAN			60.1
HIGHEST DAILY MEAN	568	Sep 8	4,580
LOWEST DAILY MEAN	22	May 20	a1.6
ANNUAL SEVEN-DAY MINIMUM	25	May 16	1.6
MAXIMUM PEAK FLOW		509	4,640
MAXIMUM PEAK STAGE		2.59	13.40
ANNUAL RUNOFF (AC-FT)	67,790	73,610	125,500
10 PERCENT EXCEEDS	148	225	426
50 PERCENT EXCEEDS	56	57	97
90 PERCENT EXCEEDS	35	36	19

a Also occurred Apr 9-14, 1957.

06701550 FOURMILE CREEK ABOVE MOUTH, NEAR DECKERS, CO

LOCATION.--Lat 39°13'50", long 105°13'29", in SW¹/₄SE¹/₄ sec.28, T.9 S., R.70 W., Douglas County, Hydrologic Unit 10190002, on left bank 1.0 mi upstream of mouth, and 2.0 mi south of Deckers.

DRAINAGE AREA.--7.40 mi².

PERIOD OF RECORD.--May 2003 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06701550

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,740 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 934 ft³/s, May 30, 2003, gage height, 11.35 ft; minimum daily, 0.27 ft³/s (estimated), Sept. 28, 2003.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 431 ft³/s, Aug 5, gage height, 10.10 ft; minimum daily, 0.46 ft³/s (estimated), July 12-14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e5.3	e0.85	e2.2	e1.2	e0.99
2	---	---	---	---	---	---	---	e4.4	e0.81	e1.4	e0.99	e0.94
3	---	---	---	---	---	---	---	e3.5	e0.81	e1.2	e0.96	e0.94
4	---	---	---	---	---	---	---	e3.3	e0.85	e1.1	e0.94	e0.90
5	---	---	---	---	---	---	---	e2.9	e0.78	e0.99	16	e0.96
6	---	---	---	---	---	---	---	e2.5	e0.78	e0.72	e5.3	e0.89
7	---	---	---	---	---	---	---	e2.2	e0.74	e0.64	e3.1	e0.91
8	---	---	---	---	---	---	---	e1.9	e0.60	e0.55	e2.5	e0.89
9	---	---	---	---	---	---	---	e2.1	e0.60	e0.53	e2.1	e0.83
10	---	---	---	---	---	---	---	e2.4	e0.60	e0.62	e1.8	e0.79
11	---	---	---	---	---	---	---	e2.3	e0.53	e0.57	e1.6	e0.75
12	---	---	---	---	---	---	---	e2.6	e0.47	e0.46	e1.4	e0.73
13	---	---	---	---	---	---	---	e2.9	e0.50	e0.46	e1.2	e0.61
14	---	---	---	---	---	---	---	e2.9	e0.49	e0.46	e1.1	e0.57
15	---	---	---	---	---	---	---	e3.5	e0.51	e0.59	e1.0	e0.61
16	---	---	---	---	---	---	---	e3.0	e0.54	e0.68	e1.0	e0.53
17	---	---	---	---	---	---	---	e2.6	e0.95	e0.79	e0.95	e0.51
18	---	---	---	---	---	---	---	e2.1	e0.95	e0.90	e0.94	e0.57
19	---	---	---	---	---	---	---	e1.7	e0.95	e0.92	e2.0	e0.57
20	---	---	---	---	---	---	---	e1.4	e0.88	e3.1	e2.1	e0.62
21	---	---	---	---	---	---	---	e1.4	e0.91	e2.2	e2.4	e0.63
22	---	---	---	---	---	---	---	e1.2	e1.1	e1.7	e2.6	e0.75
23	---	---	---	---	---	---	---	e1.1	e1.1	e1.6	e2.1	e0.77
24	---	---	---	---	---	---	---	e0.98	e1.1	e3.7	e1.6	e0.77
25	---	---	---	---	---	---	---	e0.98	e1.1	e4.4	e1.3	e0.77
26	---	---	---	---	---	---	---	e0.98	e1.1	e2.9	e1.2	e0.77
27	---	---	---	---	---	---	---	e0.95	5.9	e2.4	e1.8	e0.79
28	---	---	---	---	---	---	---	e0.91	e1.6	e1.9	e1.6	e0.98
29	---	---	---	---	---	---	---	e0.91	e1.2	e1.7	e1.2	e0.98
30	---	---	---	---	---	---	---	e0.91	e1.5	e1.4	4.4	e1.1
31	---	---	---	---	---	---	---	e0.85	---	e1.3	e1.2	---
TOTAL	---	---	---	---	---	---	---	66.67	30.80	44.08	69.58	23.42
MEAN	---	---	---	---	---	---	---	2.15	1.03	1.42	2.24	0.78
MAX	---	---	---	---	---	---	---	5.3	5.9	4.4	16	1.1
MIN	---	---	---	---	---	---	---	0.85	0.47	0.46	0.94	0.51
AC-FT	---	---	---	---	---	---	---	132	61	87	138	46

e Estimated.

06701620 TROUT CREEK BELOW FERN CREEK NEAR WESTCREEK, CO

LOCATION.--Lat 39°10'03", long 105°07'18", in SE¹/₄SE¹/₄ sec.21, T.10 S., R.69 W., Douglas County, Hydrologic Unit 10190002, on right bank about 400 ft downstream from lower Rainbow Falls Lakes, 1.1 mi downstream from Fern Creek, and 2.5 mi east of the community of Westcreek.

DRAINAGE AREA.--106 mi².

PERIOD OF RECORD.--May 2003 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06701620

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,440 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. No diversions upstream from station. Significant contribution of flow from natural spring at Rainbow Falls Park.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 70 ft³/s, July 24, 2004, gage height, 4.18 ft; minimum daily, 0.79 ft³/s, Aug. 22, 2003.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 70 ft³/s, July 24, gage height, 4.18 ft; minimum daily, 1.2 ft³/s, July 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	4.0	28	2.6	18	12	5.3
2	---	---	---	---	---	---	4.0	22	2.7	11	8.2	4.3
3	---	---	---	---	---	---	4.9	20	2.6	7.6	6.2	4.3
4	---	---	---	---	---	---	5.5	19	2.8	5.4	5.6	4.1
5	---	---	---	---	---	---	6.7	17	2.6	4.6	15	4.3
6	---	---	---	---	---	---	7.7	13	2.4	3.6	20	4.0
7	---	---	---	---	---	---	8.1	9.6	2.3	2.8	14	4.0
8	---	---	---	---	---	---	13	7.9	2.2	2.1	11	3.8
9	---	---	---	---	---	---	15	8.3	2.1	1.7	11	3.5
10	---	---	---	---	---	---	16	10	1.9	2.1	8.8	3.4
11	---	---	---	---	---	---	14	9.6	1.6	1.9	7.7	3.2
12	---	---	---	---	---	---	13	11	1.6	1.5	6.5	2.8
13	---	---	---	---	---	---	13	15	1.6	1.3	5.7	2.6
14	---	---	---	---	---	---	12	14	1.6	1.2	4.7	2.5
15	---	---	---	---	---	---	11	17	1.7	1.8	4.1	2.3
16	---	---	---	---	---	---	9.4	16	1.9	2.5	4.0	2.1
17	---	---	---	---	---	---	8.1	14	2.7	5.3	3.8	1.9
18	---	---	---	---	---	---	6.8	12	2.7	7.6	4.2	2.2
19	---	---	---	---	---	---	5.2	11	3.1	10	7.8	2.2
20	---	---	---	---	---	---	4.5	7.6	2.6	26	14	2.3
21	---	---	---	---	---	---	3.9	6.7	3.2	21	21	2.5
22	---	---	---	---	---	---	5.1	6.2	3.3	14	21	3.0
23	---	---	---	---	---	---	8.3	5.2	3.3	10	14	3.1
24	---	---	---	---	---	---	9.4	4.4	3.5	39	10	3.1
25	---	---	---	---	---	---	16	4.2	3.4	42	8.7	3.1
26	---	---	---	---	---	---	19	4.1	4.1	32	6.8	3.1
27	---	---	---	---	---	---	22	3.5	3.9	24	6.5	3.1
28	---	---	---	---	---	---	35	3.4	6.5	19	6.8	4.9
29	---	---	---	---	---	---	38	3.2	8.7	21	5.8	4.7
30	---	---	---	---	---	---	31	3.1	9.5	25	5.5	5.5
31	---	---	---	---	---	---	---	2.7	---	18	5.7	---
TOTAL	---	---	---	---	---	---	369.6	328.7	94.7	383.0	286.1	101.2
MEAN	---	---	---	---	---	---	12.3	10.6	3.16	12.4	9.23	3.37
MAX	---	---	---	---	---	---	38	28	9.5	42	21	5.5
MIN	---	---	---	---	---	---	3.9	2.7	1.6	1.2	3.8	1.9
AC-FT	---	---	---	---	---	---	733	652	188	760	567	201

06701700 WEST CREEK ABOVE SHREWSBURY GULCH NEAR WESTCREEK, CO

LOCATION.--Lat 39°08'35", long 105°09'39", in NW¹/₄NW¹/₄ sec.31, T.10 S., R.69 W., Douglas County, Hydrologic Unit 10190002, on left bank of J.O. Hill Lake, and 2,000 ft upstream from Shrewsbury Gulch, in town of Westcreek.

DRAINAGE AREA.--56.3 mi².

PERIOD OF RECORD.--May 2003 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06701700

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,520 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Natural flow of the stream affected by a 24 in. pipe diversion through dam, which bypasses spillway and requires further discharges measurements on pipe discharge channel.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 332 ft³/s, Aug. 18, 2004, gage height, 6.47 ft; minimum daily, 1.6 ft³/s (estimated), June 11-14, 2004.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known, 2,020 ft³/s, May 7, 1973, on basis of slope-area measurement of peak flow made at location about 1.0 mi downstream from present site, caused by failure of two upstream dams.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 332 ft³/s, Aug. 18, gage height, 6.47 ft; minimum daily, 1.6 ft³/s (estimated), June 11-14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e28	e2.6	e11	e12	e9.2
2	---	---	---	---	---	---	---	e22	e2.7	e11	e8.2	e8.8
3	---	---	---	---	---	---	---	e20	e2.6	e7.8	e6.2	e8.8
4	---	---	---	---	---	---	---	e19	e2.8	e5.5	e5.6	e8.8
5	---	---	---	---	---	---	---	e17	e2.6	e4.8	e15	e8.7
6	---	---	---	---	---	---	---	e13	e2.4	e3.8	e20	e8.4
7	---	---	---	---	---	---	---	e9.6	e2.3	e3.0	e14	e8.3
8	---	---	---	---	---	---	---	e7.9	e2.2	e2.5	e11	e8.3
9	---	---	---	---	---	---	---	e8.3	e2.1	e2.0	e11	e8.3
10	---	---	---	---	---	---	---	e10	e1.9	e2.6	e8.8	e8.3
11	---	---	---	---	---	---	---	e9.6	e1.6	e2.4	e7.7	e8.3
12	---	---	---	---	---	---	---	e11	e1.6	e1.9	e6.5	e7.9
13	---	---	---	---	---	---	---	e15	e1.6	e1.8	e5.7	e7.8
14	---	---	---	---	---	---	---	e14	e1.6	e1.8	e4.7	e7.8
15	---	---	---	---	---	---	---	e17	e1.7	e4.5	e4.1	e7.7
16	---	---	---	---	---	---	---	e16	e1.9	e8.4	e4.0	e7.3
17	---	---	---	---	---	---	---	e14	e2.7	e5.3	e3.8	e7.3
18	---	---	---	---	---	---	---	e12	e2.7	e7.6	36	e7.3
19	---	---	---	---	---	---	---	e11	e3.1	e10	e29	e7.3
20	---	---	---	---	---	---	---	e7.6	e2.6	e26	e24	e7.3
21	---	---	---	---	---	---	---	e6.7	e3.2	e21	e21	e7.3
22	---	---	---	---	---	---	---	e6.2	e3.3	e14	e19	e7.3
23	---	---	---	---	---	---	---	e5.2	e3.3	e9.8	e18	e7.3
24	---	---	---	---	---	---	---	e4.4	e3.5	e16	e16	e7.3
25	---	---	---	---	---	---	---	e4.2	e3.4	e30	e14	e7.2
26	---	---	---	---	---	---	---	e4.1	e4.1	e27	e13	e6.8
27	---	---	---	---	---	---	---	e3.5	e3.9	e24	e12	e6.7
28	---	---	---	---	---	---	---	e3.4	e6.5	e19	e11	e6.7
29	---	---	---	---	---	---	---	e3.2	e8.7	e21	e10	e6.8
30	---	---	---	---	---	---	---	e3.1	e9.1	e25	e9.5	e6.9
31	---	---	---	---	---	---	---	e2.7	---	e18	e9.2	---
TOTAL	---	---	---	---	---	---	---	328.7	94.3	348.5	390.0	232.2
MEAN	---	---	---	---	---	---	---	10.6	3.14	11.2	12.6	7.74
MAX	---	---	---	---	---	---	---	28	9.1	30	36	9.2
MIN	---	---	---	---	---	---	---	2.7	1.6	1.8	3.8	6.7
AC-FT	---	---	---	---	---	---	---	652	187	691	774	461

e Estimated.

06701900 SOUTH PLATTE RIVER BELOW BRUSH CREEK NEAR TRUMBULL, CO

LOCATION.--Lat 39°15'36", long 105°13'17", in SE¹/₄SE¹/₄ sec.16, T.9 S., R.70 W., Douglas County, Hydrologic Unit 10190002, on left bank 5 mi downstream from Cheesman Reservoir, and 0.7 mi north-northeast of Deckers.

DRAINAGE AREA.--2021 mi², of which 11.9 mi² is noncontributing.

PERIOD OF RECORD.--July 2002 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06701900

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,380 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by minor diversion from Colorado River Basin through Boreas Pass Ditch, Antero and Elevenmile Canyon Reservoirs, diversion for irrigation of about 40,000 acres, and return flow from irrigated areas. Flow mostly regulated by Cheesman Reservoir (station 0670100).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e185	47	84	42	e63	89	56	102	110	111	306	216
2	e91	47	48	42	e63	116	54	98	112	109	306	227
3	e57	47	47	42	e69	139	56	95	110	142	244	237
4	48	47	48	e45	e75	140	56	96	115	234	325	239
5	48	46	48	e46	e63	127	59	94	117	242	442	198
6	48	46	48	e47	e57	94	60	90	118	177	511	117
7	49	47	48	e47	e57	95	64	e87	130	105	522	115
8	48	47	48	e47	e57	97	66	e86	153	110	473	142
9	48	47	47	e48	e59	100	70	e86	143	127	370	188
10	48	48	e49	e48	e59	101	71	e88	139	161	281	216
11	48	48	e50	e53	e58	92	70	e86	127	163	230	253
12	48	48	e50	e82	e58	73	70	e90	133	151	227	253
13	47	48	e49	e98	e58	60	69	e94	139	138	224	249
14	46	48	48	96	e57	60	72	e94	147	148	224	277
15	46	48	49	96	e57	60	124	96	142	172	224	303
16	46	48	e48	89	e56	60	119	100	103	184	290	291
17	47	49	e58	75	56	60	134	101	e87	157	361	339
18	47	48	66	83	49	62	167	102	80	97	417	395
19	47	49	65	84	51	58	148	98	70	100	319	390
20	47	50	65	75	52	59	105	112	65	202	163	388
21	47	58	65	68	51	61	90	220	79	280	128	378
22	47	93	60	69	51	62	92	170	87	367	141	313
23	46	89	e51	e72	51	63	97	125	88	392	211	224
24	46	91	e48	e72	51	64	98	127	91	416	247	179
25	46	94	45	e74	55	62	106	113	115	405	247	180
26	46	94	44	e73	68	61	111	85	142	318	230	182
27	47	94	e46	e75	80	60	116	89	148	231	219	216
28	47	93	e46	e72	80	59	116	89	120	239	218	271
29	46	95	e46	68	81	57	106	96	104	204	214	267
30	47	96	e45	67	---	56	105	105	104	213	224	243
31	47	---	44	61	---	55	---	106	---	254	218	---
TOTAL	1,651	1,850	1,603	2,056	1,742	2,402	2,727	3,220	3,418	6,349	8,756	7,486
MEAN	53.3	61.7	51.7	66.3	60.1	77.5	90.9	104	114	205	282	250
MAX	185	96	84	98	81	140	167	220	153	416	522	395
MIN	46	46	44	42	49	55	54	85	65	97	128	115
AC-FT	3,270	3,670	3,180	4,080	3,460	4,760	5,410	6,390	6,780	12,590	17,370	14,850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

	2002	2003	2004	2002	2003	2004	2002	2003	2004	2002	2003	2004
MEAN	127	78.5	87.4	82.0	78.9	81.1	92.8	86.3	92.7	140	246	317
MAX	201	95.4	123	97.8	98.4	84.7	94.7	104	114	205	330	436
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2004)	(2002)	(2003)
MIN	53.3	61.7	51.7	66.3	60.1	77.5	90.9	68.8	71.5	74.9	125	250
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2004)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	39,899		43,260			
ANNUAL MEAN	109		118		124	
HIGHEST ANNUAL MEAN					131	
LOWEST ANNUAL MEAN					118	
HIGHEST DAILY MEAN	639	Sep 8	522	Aug 7	639	Sep 8, 2003
LOWEST DAILY MEAN	44	Dec 26	42	Jan 1	42	Jan 1, 2004
ANNUAL SEVEN-DAY MINIMUM	45	Dec 25	44	Dec 29	44	Dec 29, 2003
MAXIMUM PEAK FLOW			a1,320	Aug 5	a1,320	Aug 5, 2004
MAXIMUM PEAK STAGE			5.59	Aug 5	5.59	Aug 5, 2004
ANNUAL RUNOFF (AC-FT)	79,140		85,810		90,160	
10 PERCENT EXCEEDS	155		245		239	
50 PERCENT EXCEEDS	80		88		93	
90 PERCENT EXCEEDS	47		47		49	

e Estimated.

a From rating curve extended above 450 ft³/s.

06706400 NORTH FORK SOUTH PLATTE RIVER ABOVE ELK CREEK AT PINE, CO

LOCATION.--Lat 39°24'27", long 105°19'07", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.7 S., R.71 W., Jefferson County, Hydrologic Unit 10190002, on left bank 500 ft upstream of Elk Creek and in the community of Pine.

DRAINAGE AREA.--310 mi².

PERIOD OF RECORD.--August 2000 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06706400

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,720 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Transmountain diversions from Colorado River Basin enter above this station.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 779 ft³/s, June 9, 2001, gage height, 4.95 ft; minimum daily, 5.7 ft³/s, Sept. 2, 2002.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 641 ft³/s, July 23, gage height, 4.72 ft; minimum daily, 110 ft³/s, Apr. 11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	316	---	---	---	---	---	167	149	291	232	153	230
2	327	---	---	---	---	---	195	138	289	178	148	301
3	309	---	---	---	---	---	197	143	306	164	149	342
4	227	---	---	---	---	---	189	158	355	158	138	345
5	223	---	---	---	---	---	188	179	377	155	149	330
6	255	---	---	---	---	---	166	196	382	175	162	279
7	319	---	---	---	---	---	167	196	401	232	233	272
8	339	---	---	---	---	---	168	195	446	251	226	279
9	373	---	---	---	---	---	162	173	473	298	212	292
10	371	---	---	---	---	---	119	178	530	312	205	282
11	368	---	---	---	---	---	110	178	509	285	211	283
12	368	---	---	---	---	---	115	164	510	235	257	277
13	338	---	---	---	---	---	115	150	464	229	255	276
14	282	---	---	---	---	---	117	139	393	254	248	273
15	304	---	---	---	---	---	117	133	380	337	244	270
16	337	---	---	---	---	---	132	131	340	340	239	264
17	333	---	---	---	---	---	218	132	357	367	237	223
18	334	---	---	---	---	---	296	125	353	220	248	137
19	348	---	---	---	---	---	277	138	246	166	319	136
20	412	---	---	---	---	---	208	226	219	201	283	140
21	497	---	---	---	---	---	154	243	254	269	269	148
22	434	---	---	---	---	---	155	322	337	425	255	157
23	302	---	---	---	---	---	155	306	210	506	270	135
24	301	---	---	---	---	---	153	300	219	591	303	138
25	273	---	---	---	---	---	161	296	356	509	297	134
26	205	---	---	---	---	---	158	269	461	399	269	136
27	202	---	---	---	---	---	165	226	408	220	230	126
28	180	---	---	---	---	---	172	254	247	185	241	124
29	179	---	---	---	---	---	175	331	158	193	222	119
30	178	---	---	---	---	---	170	351	152	167	213	119
31	173	---	---	---	---	---	---	331	---	161	211	---
TOTAL	9,407	---	---	---	---	---	5,041	6,450	10,423	8,414	7,096	6,567
MEAN	303	---	---	---	---	---	168	208	347	271	229	219
MAX	497	---	---	---	---	---	296	351	530	591	319	345
MIN	173	---	---	---	---	---	110	125	152	155	138	119
AC-FT	18,660	---	---	---	---	---	10,000	12,790	20,670	16,690	14,070	13,030

06708800 EAST PLUM CREEK BELOW HASKINS GULCH NEAR CASTLE ROCK, CO

LOCATION.--Lat 39°25'28", long 104°54'27", in SE¹/₄SE¹/₄ sec.20, T.7 S., R.67 W., Douglas County, Hydrologic Unit 10190002, on right bank at the Plum Creek Wastewater Treatment Plant, 0.1 mi southwest of Happy Canyon Road, 3.0 mi south of Sedalia, and 3.6 mi northwest of Castle Rock.

DRAINAGE AREA.--117 mi².

PERIOD OF RECORD.--April 1999 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06708800

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,940 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Diversions upstream from station for irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	3.2	2.2	2.9	4.0	5.3	3.9	28	4.5	7.1	4.7	8.6
2	1.9	2.9	2.1	2.8	3.9	4.6	4.9	24	3.5	5.6	4.7	8.4
3	2.1	2.9	2.1	2.9	4.2	4.5	13	21	3.3	3.8	4.3	7.5
4	2.2	2.8	1.9	2.6	4.6	5.0	6.5	19	2.8	2.9	16	8.1
5	2.3	3.0	2.2	2.2	4.3	6.2	5.7	22	2.5	2.2	19	7.6
6	2.3	2.9	2.5	2.8	4.4	4.8	5.5	21	2.5	1.8	16	6.4
7	2.3	2.7	2.5	3.4	5.2	4.8	6.1	20	2.2	1.6	11	6.5
8	2.3	2.9	2.5	3.4	5.8	4.9	6.9	19	2.3	1.7	10	5.3
9	2.5	3.0	2.3	3.4	5.5	4.9	7.4	18	2.7	1.6	9.9	5.3
10	2.6	3.3	2.5	3.4	5.5	5.0	9.7	17	2.4	4.5	9.3	5.2
11	2.8	2.6	2.8	3.5	4.1	4.7	8.7	16	2.1	3.2	8.4	4.8
12	2.5	2.1	2.7	4.1	e4.0	4.5	12	18	1.9	1.3	8.8	4.4
13	2.7	2.6	2.5	3.9	e4.1	4.2	9.3	24	1.8	0.53	7.7	3.9
14	2.2	3.2	2.8	3.8	e4.2	3.9	7.6	20	1.7	0.39	6.8	3.5
15	2.2	3.2	2.3	3.8	e4.6	4.1	6.5	18	1.8	0.51	6.8	3.1
16	2.3	3.0	2.6	3.6	e4.7	3.9	6.3	17	7.4	1.7	6.1	2.8
17	2.5	3.1	3.3	3.6	e4.8	4.1	6.1	15	8.2	15	5.7	2.7
18	2.4	3.2	3.2	3.8	e4.9	4.0	5.7	14	14	20	102	2.5
19	2.4	3.1	3.1	3.5	e4.9	3.9	5.0	11	7.8	20	84	2.5
20	2.6	3.0	3.1	3.4	e4.9	3.7	4.6	9.2	4.4	15	22	2.2
21	2.6	3.0	2.9	3.5	e4.9	3.7	5.2	8.5	30	8.9	16	3.1
22	2.7	2.8	3.3	3.6	e5.3	4.9	8.4	8.1	15	6.9	14	3.0
23	2.7	2.4	3.0	3.5	e5.6	4.1	22	6.0	8.7	8.7	13	3.0
24	2.7	2.7	2.7	3.7	e5.8	3.8	24	4.8	6.7	9.0	11	2.8
25	2.8	2.5	2.8	3.8	e5.9	4.1	24	4.3	5.7	8.7	11	2.9
26	2.9	2.4	2.9	e4.0	6.3	4.1	22	5.1	8.9	8.0	10	2.9
27	2.9	2.6	2.5	e4.2	6.6	4.7	20	4.1	11	7.4	12	4.8
28	2.8	3.4	2.2	e4.4	6.6	4.4	22	3.2	11	6.6	10	12
29	3.0	2.5	2.4	4.7	6.0	4.1	21	3.8	9.0	5.8	8.5	9.5
30	3.0	2.4	3.0	4.2	---	3.9	24	4.1	8.1	5.5	8.5	8.7
31	3.4	---	2.9	4.2	---	3.9	---	5.4	---	5.1	8.2	---
TOTAL	79.0	85.4	81.8	110.6	145.6	136.7	334.0	428.6	193.9	191.03	485.4	154.0
MEAN	2.55	2.85	2.64	3.57	5.02	4.41	11.1	13.8	6.46	6.16	15.7	5.13
MAX	3.4	3.4	3.3	4.7	6.6	6.2	24	28	30	20	102	12
MIN	1.9	2.1	1.9	2.2	3.9	3.7	3.9	3.2	1.7	0.39	4.3	2.2
AC-FT	157	169	162	219	289	271	662	850	385	379	963	305

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004
MEAN	4.96	5.24	5.20	5.41	6.17	7.63
MAX	11.0	11.5	10.6	10.0	9.04	15.0
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)
MIN	1.74	1.90	2.53	2.25	3.06	4.41
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MEAN	4.96	5.24	5.20	5.41	6.17	7.63
MAX	11.0	11.5	10.6	10.0	9.04	15.0
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)
MIN	1.74	1.90	2.53	2.25	3.06	4.41
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1999 - 2004
ANNUAL TOTAL	3,101.57	2,426.03	
ANNUAL MEAN	8.50	6.63	7.90
HIGHEST ANNUAL MEAN			12.4
LOWEST ANNUAL MEAN			3.93
HIGHEST DAILY MEAN	72	102	410
LOWEST DAILY MEAN	0.98	0.39	0.33
ANNUAL SEVEN-DAY MINIMUM	1.1	1.7	0.64
MAXIMUM PEAK FLOW		625	a901
MAXIMUM PEAK STAGE		7.38	7.75
ANNUAL RUNOFF (AC-FT)	6,150	4,810	5,730
10 PERCENT EXCEEDS	23	15	19
50 PERCENT EXCEEDS	3.2	4.1	4.9
90 PERCENT EXCEEDS	1.7	2.3	1.7

e Estimated.

a From rating curve extended above 359 ft³/s.

06709000 PLUM CREEK NEAR SEDALIA, CO

LOCATION.--Lat 39°26'18", long 104°58'57", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.7 S., R.68 W., Douglas County, Hydrologic Unit 10190002, on right bank, on south side of County Road No. 20 bridge over Plum Creek, 1.0 mi west of Sedalia, and 1.4 mi downstream from the confluence of East and West Plum Creeks. Prior to May 24, 2004, at site 100 ft upstream at old bridge location (new bridge constructed this year).

DRAINAGE AREA.--274 mi².

PERIOD OF RECORD.--June 1942 to September 1947, August 1990 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06709000

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,720 ft above NGVD of 1929, from topographic map. June 18, 1942 to May 3, 1944, nonrecording gage at site 100 ft upstream (at old highway bridge), at different datum. May 4, 1944 to Sept. 30, 1947, water-stage recorder at site 250 ft upstream, at different datum. Aug. 2, 1990 to May 23, 2004, at site 100 ft upstream (at old bridge location), at different datum.

REMARKS.--Records poor. Diversions upstream from station for irrigation.

COOPERATION.--U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	11	e15	e10	e17	e18	e7.6	e105	e27	45	22	14
2	4.5	14	e15	e10	e17	e17	e8.6	e109	e26	38	19	14
3	4.5	14	e15	e10	e17	e16	e18	e117	e24	31	21	16
4	5.6	15	e14	e10	e17	e20	e18	e130	e20	30	59	17
5	6.7	15	e14	e11	e17	e20	e18	e141	17	27	52	24
6	7.0	17	e14	e11	e18	e19	e16	e145	17	25	41	19
7	5.9	15	e14	e11	e18	e19	e13	e137	13	23	36	13
8	5.6	15	e14	e12	e18	e15	e18	e126	14	17	30	12
9	5.7	16	e13	e12	e18	e14	e20	e120	17	19	23	13
10	6.1	16	e13	e12	e18	e12	e20	e107	16	24	19	11
11	5.5	14	e13	e13	e18	e13	e21	e91	11	20	17	14
12	5.8	12	e13	e13	e19	e13	e12	e81	9.5	16	17	14
13	6.3	13	e13	e13	e19	e13	e10	e98	9.2	15	16	12
14	6.9	e12	e13	e13	e19	e13	e5.8	e81	9.4	14	13	14
15	6.9	e12	e13	e13	e20	e13	e8.5	e80	7.7	35	12	14
16	5.9	e12	e13	e14	e20	e13	e7.9	e68	14	23	10	10
17	5.4	e12	e12	e14	e21	e13	e10	e59	25	37	9.2	9.9
18	5.1	e12	e11	e14	e21	e14	e10	e45	35	46	203	7.3
19	5.9	e12	e11	e14	e20	e14	e12	e44	28	33	177	7.6
20	6.7	e12	e11	e14	e20	e14	e12	e42	25	39	62	6.5
21	5.1	e12	e12	e14	e19	e15	e12	e39	55	23	43	7.7
22	6.0	e13	e13	e14	e18	e15	e13	e37	46	20	41	9.8
23	6.0	e13	e13	e13	e18	e15	e25	e32	29	23	38	7.7
24	6.5	e14	e10	e13	e16	e11	e31	e26	22	39	30	8.8
25	7.5	e14	e10	e15	e16	e10	e36	31	18	44	26	9.1
26	9.1	e14	e9.6	e15	e16	e8.9	e42	34	21	39	23	9.9
27	8.2	e15	e9.2	e15	e16	e8.9	e54	32	29	37	26	13
28	7.5	e15	e9.5	e17	e18	e8.3	e76	32	101	36	28	11
29	10	e15	e11	e17	e18	e8.2	e92	37	55	32	20	8.8
30	7.7	e15	e11	e17	---	e6.7	e101	36	45	26	19	9.5
31	8.5	---	e10	e17	---	e6.3	---	e29	---	23	18	---
TOTAL	198.1	411	382.3	411	527	416.3	748.4	2,291	785.8	899	1,170.2	357.6
MEAN	6.39	13.7	12.3	13.3	18.2	13.4	24.9	73.9	26.2	29.0	37.7	11.9
MAX	10	17	15	17	21	20	101	145	101	46	203	24
MIN	4.0	11	9.2	10	16	6.3	5.8	26	7.7	14	9.2	6.5
AC-FT	393	815	758	815	1,050	826	1,480	4,540	1,560	1,780	2,320	709

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2004, BY WATER YEAR (WY)

MEAN	9.48	14.9	12.7	12.3	15.1	18.9	52.5	98.8	37.3	15.6	19.2	7.39
MAX	31.8	30.6	29.1	23.3	27.8	38.5	155	332	134	71.2	147	24.5
(WY)	(1943)	(1943)	(1943)	(2000)	(1944)	(1998)	(1998)	(1944)	(1947)	(1947)	(1945)	(2000)
MIN	1.32	3.34	5.00	4.09	4.39	6.62	12.3	5.06	2.70	1.59	0.02	0.00
(WY)	(1945)	(1945)	(1944)	(1997)	(2003)	(1995)	(2002)	(1946)	(1946)	(1996)	(1996)	(1943)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1942 - 2004	
ANNUAL TOTAL	8,375.9		8,597.7			
ANNUAL MEAN	22.9		23.5		26.3	
HIGHEST ANNUAL MEAN					58.3	
LOWEST ANNUAL MEAN					8.69	
HIGHEST DAILY MEAN	184	Apr 28	203	Aug 18	915	Aug 8, 1945
LOWEST DAILY MEAN	1.6	Jul 15	4.0	Oct 1	a0.00	Jul 11, 1943
ANNUAL SEVEN-DAY MINIMUM	2.4	Jul 12	5.5	Oct 1	0.00	Aug 29, 1943
MAXIMUM PEAK FLOW			Not determined		b,c7,700	
MAXIMUM PEAK STAGE			d7.68		Aug 18	
ANNUAL RUNOFF (AC-FT)	16,610		17,050		19,050	
10 PERCENT EXCEEDS	61		43		53	
50 PERCENT EXCEEDS	8.5		15		13	
90 PERCENT EXCEEDS	3.1		7.7		2.1	

e Estimated.

a No flow many days, during most years.

b Site and datum then in use, from rating curve extended above 350 ft³/s on basis of slope-area determination of peak flow.

c Highest flood of actual record probably occurred Jun 16, 1965. Discharge computed at Plum Creek near Louviers was 154,000 cfs.

d From floodmark.

f Maximum gage height, 7.68 ft, Aug 18, 2004, present site and datum, from floodmark.

06709530 PLUM CREEK AT TITAN ROAD NEAR LOUVIERS, CO

LOCATION.--Lat 39°30'27", long 105°01'26", on line between sec.20 and sec.29, T.6 S., R.68 W., Douglas County, Hydrologic Unit 10190002, on left bank, on downstream side of bridge on Titan Road, 2.4 mi north of Louviers.

DRAINAGE AREA.--315 mi².

PERIOD OF RECORD.--May 1984 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06709530

REVISED RECORDS.--WDR CO-86-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,520 ft above NGVD of 1929, from topographic map. Prior to July 10, 1996, at same site, but different datum.

REMARKS.--Records poor. Diversions upstream from station for irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	2.7	9.6	7.2	12	14	3.5	94	8.2	49	21	4.4
2	0.00	2.9	9.4	7.6	12	14	4.1	105	6.7	45	16	4.2
3	0.00	3.2	8.2	7.7	12	14	8.6	105	6.3	32	17	3.6
4	0.03	3.2	7.9	7.5	11	13	14	123	5.1	28	29	3.2
5	0.98	3.3	8.5	e8.5	11	19	16	132	4.4	24	65	3.2
6	1.1	3.6	9.2	8.9	12	17	14	143	3.7	25	53	2.5
7	1.0	3.8	8.7	e9.8	e13	15	7.9	134	3.3	23	38	2.0
8	1.1	3.9	8.2	e9.4	14	13	11	124	2.8	18	24	1.7
9	1.1	4.2	8.5	e9.8	13	12	18	110	3.1	20	21	1.5
10	1.2	4.8	9.7	e9.7	e14	12	18	94	3.5	20	13	1.4
11	1.1	4.5	e9.1	9.5	15	11	15	80	3.2	20	10	1.3
12	1.2	4.6	8.9	8.7	e17	11	9.7	77	3.1	15	9.9	1.2
13	1.3	5.0	8.4	9.9	e17	10	5.5	93	3.2	13	8.1	1.0
14	1.3	5.0	8.8	10	e17	11	5.8	79	3.5	11	6.6	0.93
15	1.3	4.9	e9.0	9.9	e18	11	8.5	67	3.9	25	5.9	0.90
16	1.3	4.7	e8.5	9.8	e18	10	7.9	61	5.1	22	4.6	0.90
17	1.3	5.1	e8.5	9.4	18	9.7	6.5	58	12	25	4.0	0.88
18	1.3	5.0	8.3	10	20	9.5	6.6	54	14	42	26	0.97
19	1.5	4.6	7.4	10	18	9.9	6.1	53	15	24	361	0.88
20	1.6	4.9	6.9	10	17	11	5.3	47	13	35	28	0.74
21	1.5	4.7	7.5	9.7	16	11	5.6	38	33	16	18	0.83
22	1.6	5.1	8.6	10	16	10	9.2	36	31	16	10	1.8
23	1.6	7.7	9.8	11	16	10	21	27	25	19	6.8	1.9
24	1.5	8.4	9.2	10	15	9.8	25	27	21	25	5.7	2.0
25	1.6	7.9	7.8	9.3	14	8.0	27	23	17	26	4.6	2.4
26	1.8	7.9	7.9	e9.4	14	7.0	31	21	19	23	4.7	2.5
27	1.9	7.7	6.8	e9.7	15	6.0	44	17	23	29	5.4	2.8
28	1.9	8.0	e7.4	e10	15	5.2	62	14	97	32	7.7	4.9
29	2.2	7.6	e8.1	e11	17	4.8	81	14	53	29	6.3	4.9
30	2.2	8.0	e7.9	12	---	4.1	94	11	33	27	5.7	6.2
31	2.5	---	7.5	11	---	3.7	---	9.0	---	24	5.2	---
TOTAL	40.01	156.9	260.2	296.4	437	326.7	591.8	2,070.0	475.1	782	841.2	67.63
MEAN	1.29	5.23	8.39	9.56	15.1	10.5	19.7	66.8	15.8	25.2	27.1	2.25
MAX	2.5	8.4	9.8	12	20	19	94	143	97	49	361	6.2
MIN	0.00	2.7	6.8	7.2	11	3.7	3.5	9.0	2.8	11	4.0	0.74
AC-FT	79	311	516	588	867	648	1,170	4,110	942	1,550	1,670	134

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

	1984	1985	1985	1988	1988	1988	1988	1984	1984	1995	1984	1984
MEAN	10.8	15.7	13.8	13.4	16.0	24.7	70.4	151	44.1	15.5	15.5	5.60
MAX	71.8	75.9	44.3	32.1	42.7	62.1	184	779	135	66.5	63.4	31.1
(WY)	(1985)	(1985)	(1985)	(1988)	(1988)	(1988)	(1988)	(1984)	(1984)	(1995)	(1984)	(1984)
MIN	0.00	2.15	4.40	4.86	5.14	6.55	8.76	8.15	3.75	0.00	0.00	0.00
(WY)	(1995)	(1995)	(1996)	(1991)	(1990)	(1995)	(2002)	(2002)	(2002)	(1993)	(1993)	(1990)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	9,036.43		6,344.94			
ANNUAL MEAN	24.8		17.3		29.7	
HIGHEST ANNUAL MEAN					73.6	
LOWEST ANNUAL MEAN					7.26	
HIGHEST DAILY MEAN	281	Apr 16	361	Aug 19	1,770	May 15, 1984
LOWEST DAILY MEAN	0.00	Aug 9	0.00	Oct 1	a0.00	Jul 2, 1989
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 17	0.44	Oct 1	0.00	Jul 2, 1989
MAXIMUM PEAK FLOW			1,700	Aug 19	b2,900	Apr 30, 1999
MAXIMUM PEAK STAGE			7.64	Aug 19	c8.05	Apr 30, 1999
ANNUAL RUNOFF (AC-FT)	17,920		12,590		21,510	
10 PERCENT EXCEEDS	104		34		64	
50 PERCENT EXCEEDS	5.2		9.5		13	
90 PERCENT EXCEEDS	0.20		1.6		0.00	

- e Estimated.
- a No flow many days, most years.
- b From rating curve extended above 450 ft³/s.
- c Maximum gage height, 10.63 ft, Jun 28, 1995, datum then in use.

06710150 BIG DRY CREEK BELOW C-470 AT HIGHLANDS RANCH, CO

LOCATION.--Lat 39°33'48", long 104°55'38", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.6 S., R.67 W., Douglas County, Hydrologic Unit 10190002, on right bank 0.2 mi downstream from State Highway C-470, 0.2 mi south of County Line Road and Holly Street, in Highlands Ranch.

DRAINAGE AREA.--11.2 mi².

PERIOD OF RECORD.--October 2003 to September 2004. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06710150

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,675 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.4	1.6	1.2	1.2	1.3	1.5	2.9	1.6	2.0	1.7	3.2
2	1.2	1.5	1.5	0.94	0.72	1.8	11	1.2	1.6	1.6	1.6	2.5
3	1.3	1.9	1.5	1.0	0.72	1.6	14	1.1	1.6	1.6	1.7	1.9
4	1.4	1.6	1.6	1.2	0.96	1.9	2.6	1.1	1.4	1.5	3.6	2.2
5	1.7	1.7	1.5	1.1	0.85	2.7	1.6	1.0	1.4	1.5	27	1.8
6	2.0	1.3	1.5	1.2	1.0	0.87	1.4	1.00	1.4	1.5	11	1.2
7	1.9	1.3	1.5	1.1	1.2	0.99	2.4	0.98	1.1	1.4	5.7	1.1
8	2.5	1.3	1.8	0.94	0.88	1.2	2.0	0.95	1.2	1.3	4.1	1.4
9	2.1	1.3	e1.8	1.0	0.88	1.1	5.0	0.95	1.7	11	2.6	1.5
10	1.9	1.3	1.8	1.1	0.89	0.70	10	0.97	1.2	2.6	6.4	1.2
11	2.0	1.2	1.6	1.2	0.79	0.76	3.2	0.95	1.1	1.7	5.6	1.2
12	1.8	1.3	1.5	1.2	e0.85	0.81	10	10	1.2	1.6	2.6	1.2
13	1.7	1.1	1.4	1.2	0.97	0.86	1.6	5.9	1.1	1.4	2.4	1.1
14	1.3	1.6	1.5	1.0	1.0	0.80	1.3	2.1	1.2	1.6	2.4	1.3
15	1.4	1.7	1.6	1.1	0.86	0.83	1.2	1.8	1.2	1.6	2.5	1.0
16	1.5	1.6	e1.5	1.2	0.83	0.81	1.2	1.4	5.8	2.3	2.2	1.1
17	1.5	1.8	1.4	1.1	1.2	0.93	1.1	1.3	3.0	18	2.1	1.0
18	1.6	1.8	1.4	1.1	1.4	0.95	1.1	1.2	8.3	3.2	45	0.93
19	1.9	1.6	1.4	1.4	3.9	1.1	1.1	1.2	3.3	1.9	43	1.0
20	1.9	1.7	1.3	1.8	4.8	0.99	1.1	1.1	1.8	1.5	15	1.1
21	2.1	1.6	1.2	1.3	2.0	0.97	3.3	1.1	22	2.1	9.5	6.7
22	1.9	1.6	1.3	0.90	1.7	1.0	6.3	1.1	2.7	2.4	5.5	6.3
23	1.8	1.6	1.2	0.94	1.9	0.97	19	1.0	1.6	2.7	2.7	1.7
24	2.2	e1.6	1.3	0.95	1.7	1.1	13	1.0	1.4	2.3	2.3	1.5
25	2.2	1.5	1.2	0.86	1.5	1.2	3.0	1.1	1.6	2.1	1.8	1.6
26	2.5	1.4	1.3	1.1	1.6	1.2	1.5	1.0	2.6	1.8	2.2	0.95
27	1.9	1.4	1.1	1.4	1.5	1.2	1.3	1.0	2.6	1.8	15	20
28	2.4	1.5	0.93	1.5	1.4	1.6	1.2	1.0	1.9	4.9	4.8	5.6
29	2.0	1.6	0.89	1.1	3.0	1.8	1.2	1.6	2.6	1.9	3.4	2.5
30	1.8	1.7	1.0	1.1	---	2.4	5.3	1.8	5.8	1.8	3.2	4.4
31	2.2	---	0.97	0.86	---	2.1	---	1.7	---	1.5	3.9	---
TOTAL	56.9	45.5	43.09	35.09	42.20	38.54	129.5	52.50	87.0	86.1	242.5	80.18
MEAN	1.84	1.52	1.39	1.13	1.46	1.24	4.32	1.69	2.90	2.78	7.82	2.67
MAX	2.5	1.9	1.8	1.8	4.8	2.7	19	10	22	18	45	20
MIN	1.2	1.1	0.89	0.86	0.72	0.70	1.1	0.95	1.1	1.3	1.6	0.93
AC-FT	113	90	85	70	84	76	257	104	173	171	481	159

SUMMARY STATISTICS

ANNUAL TOTAL
ANNUAL MEAN
HIGHEST DAILY MEAN
LOWEST DAILY MEAN
ANNUAL SEVEN-DAY MINIMUM
MAXIMUM PEAK FLOW
MAXIMUM PEAK STAGE
ANNUAL RUNOFF (AC-FT)
10 PERCENT EXCEEDS
50 PERCENT EXCEEDS
90 PERCENT EXCEEDS

FOR 2004 WATER YEAR

939.10
2.57
45 Aug 18
0.70 Mar 10
0.80 Mar 10
178 Aug 18
5.81 Aug 18
1,860
4.2
1.5
0.97

e Estimated.

06710247 SOUTH PLATTE RIVER BELOW UNION AVENUE, AT ENGLEWOOD, CO

LOCATION.--Lat 39°37'57", long 105°00'52", in SW¹/₄NW¹/₄ sec.9, T.5 S., R.68 W., Arapahoe County, Hydrologic Unit 10190002, on right bank 100 ft downstream from Englewood Water Treatment Plant, 200 ft downstream from Union Avenue bridge in Englewood, and 7.7 mi downstream from Chatfield Dam.

DRAINAGE AREA.--3,043 mi².

PERIOD OF RECORD.--February 1996 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06710247

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 5,290 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Chatfield Reservoir (station 06709600) 7.7 mi upstream. Diversions for municipal use by City of Englewood 100 ft upstream from gage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	22	16	18	35	35	11	405	37	258	352	40
2	24	19	15	17	35	52	29	308	31	364	264	78
3	26	18	15	17	32	63	118	137	35	164	142	138
4	24	15	14	17	33	66	36	116	41	115	171	81
5	23	14	17	14	32	95	95	120	94	46	211	76
6	23	17	15	15	35	75	326	145	195	73	315	71
7	29	17	17	16	48	72	269	148	199	99	456	73
8	27	17	19	16	47	65	127	137	125	83	474	65
9	26	18	24	16	45	24	261	76	157	199	265	45
10	18	21	19	16	44	22	301	90	180	179	178	49
11	24	21	16	16	39	20	256	153	139	159	203	44
12	29	19	16	16	28	16	250	267	55	154	229	43
13	26	18	20	14	27	14	92	349	38	144	146	41
14	36	17	25	15	30	14	84	488	36	100	143	67
15	37	18	21	25	32	13	61	336	34	55	121	66
16	31	19	25	26	29	12	89	67	41	123	44	69
17	25	19	36	26	32	13	169	67	97	360	32	53
18	20	17	33	26	38	12	167	109	184	686	209	27
19	21	18	24	26	58	15	127	144	318	618	409	24
20	21	16	24	28	67	14	26	68	311	388	185	23
21	22	15	24	29	53	15	34	62	174	190	238	60
22	21	16	25	25	50	13	57	87	111	125	93	78
23	18	18	18	21	47	13	143	154	73	330	125	57
24	20	21	20	21	32	13	75	93	53	775	238	56
25	22	17	20	22	31	13	55	67	51	868	210	48
26	24	15	21	40	31	13	44	49	74	623	61	39
27	21	14	20	78	32	13	84	39	222	252	100	63
28	21	17	22	25	31	14	141	35	523	332	72	91
29	24	17	24	23	48	13	173	39	477	434	74	34
30	22	15	16	32	---	12	264	42	159	350	93	54
31	24	---	15	31	---	11	---	50	---	289	77	---
TOTAL	774	525	636	727	1,121	855	3,964	4,447	4,264	8,935	5,930	1,753
MEAN	25.0	17.5	20.5	23.5	38.7	27.6	132	143	142	288	191	58.4
MAX	45	22	36	78	67	95	326	488	523	868	474	138
MIN	18	14	14	14	27	11	11	35	31	46	32	23
AC-FT	1,540	1,040	1,260	1,440	2,220	1,700	7,860	8,820	8,460	17,720	11,760	3,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	47.8	40.1	33.3	35.8	44.3	64.2	163	327	347	263	214	69.4
MAX	111	83.5	76.4	73.6	81.7	112	403	932	1,222	550	485	114
(WY)	(1999)	(1998)	(1998)	(1998)	(2001)	(1998)	(1998)	(1998)	(1999)	(1999)	(1999)	(2003)
MIN	20.1	10.0	9.65	9.94	11.8	27.1	23.4	45.0	70.6	22.4	10.8	19.7
(WY)	(2002)	(2003)	(2003)	(2003)	(2003)	(1996)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1996 - 2004
ANNUAL TOTAL	39,983.1	33,931	
ANNUAL MEAN	110	92.7	144
HIGHEST ANNUAL MEAN			293
LOWEST ANNUAL MEAN			29.3
HIGHEST DAILY MEAN	675	Apr 30	868
LOWEST DAILY MEAN	6.1	Jan 23	11
ANNUAL SEVEN-DAY MINIMUM	6.7	Jan 18	12
MAXIMUM PEAK FLOW		1,230	Aug 19
MAXIMUM PEAK STAGE		13.43	Aug 19
ANNUAL RUNOFF (AC-FT)	79,310	67,300	104,100
10 PERCENT EXCEEDS	287	257	358
50 PERCENT EXCEEDS	37	40	63
90 PERCENT EXCEEDS	9.8	16	13

06710385 BEAR CREEK ABOVE EVERGREEN, CO

LOCATION.--Lat 39°37'58", long 105°20'10", in SE¹/₄NE¹/₄ sec.9, T.5 S., R.71 W., Jefferson County, Hydrologic Unit 10190002, on right bank 0.9 mi upstream from Evergreen Lake dam at Evergreen.

DRAINAGE AREA.--104 mi².

PERIOD OF RECORD.--August 1984 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06710385

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage 7,080 ft above NGVD of 1929, from topographic map. Prior to May 1, 1986, at site 800 ft downstream at different datum. May 1, 1986 to Apr. 2, 2001, at site 600 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by small diversions for irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	e19	e15	e14	e13	e12	14	48	33	86	95	39
2	21	e18	e15	e14	e14	e12	15	50	33	65	94	37
3	25	20	e15	e14	e14	e12	18	50	35	60	92	35
4	23	e17	e15	e14	e13	e12	e17	57	34	58	84	34
5	22	18	e15	e13	e13	e12	e20	66	33	56	93	37
6	22	e18	e15	e13	e13	e12	e25	74	33	54	84	34
7	21	e17	e15	e14	e13	e13	e24	72	32	52	77	32
8	21	18	e15	e14	e13	e13	30	70	34	50	73	31
9	20	e19	e15	e14	e13	e13	e35	62	54	48	70	30
10	19	e19	e15	e14	e12	e13	29	65	43	53	65	29
11	19	18	e15	e14	e12	e14	31	67	34	49	63	31
12	19	e15	e15	e13	e12	e14	32	65	31	45	61	28
13	18	e19	e15	e13	e12	e13	32	57	29	43	59	28
14	18	e17	e15	e13	e12	e14	35	52	28	42	56	26
15	18	e17	e15	e13	e12	e14	37	50	28	48	52	26
16	20	e18	e15	e13	e12	e14	38	47	29	82	50	25
17	18	15	e15	e14	e12	e14	41	48	38	119	49	24
18	18	e15	e15	e14	e12	e14	43	45	44	99	56	24
19	17	e14	e15	e14	e12	e15	37	49	43	84	98	23
20	19	e14	e15	e14	e12	e16	37	53	35	92	73	24
21	18	e14	e14	e14	e12	e18	35	53	38	91	63	30
22	18	e14	e14	e14	e12	e19	35	51	42	93	58	32
23	18	e14	e14	e14	e12	e19	34	43	34	118	58	30
24	18	e14	e14	e14	e12	e19	36	41	31	147	51	32
25	17	e14	e14	e14	e12	e20	40	42	36	124	48	31
26	16	e14	e14	e13	e12	e19	39	41	44	116	45	32
27	e17	e14	e14	e14	e12	e18	43	38	52	113	51	30
28	18	e14	e14	e14	e12	e16	46	37	71	123	52	32
29	18	e15	e14	e14	e12	e15	46	38	58	121	44	34
30	18	e15	e14	e14	---	e15	46	35	64	105	42	37
31	e17	---	e14	e13	---	14	---	33	---	100	41	---
TOTAL	592	487	454	425	359	458	990	1,599	1,173	2,536	1,997	917
MEAN	19.1	16.2	14.6	13.7	12.4	14.8	33.0	51.6	39.1	81.8	64.4	30.6
MAX	25	20	15	14	14	20	46	74	71	147	98	39
MIN	16	14	14	13	12	12	14	33	28	42	41	23
AC-FT	1,170	966	901	843	712	908	1,960	3,170	2,330	5,030	3,960	1,820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	27.0	21.8	15.5	13.0	12.2	15.7	37.4	91.9	95.7	58.3	50.5	32.9
MAX	85.1	56.2	32.8	19.6	18.2	26.7	89.7	238	280	134	129	54.2
(WY)	(1985)	(1985)	(1985)	(1988)	(1996)	(1992)	(1987)	(1998)	(1995)	(1995)	(1999)	(1997)
MIN	9.61	7.97	4.89	4.65	4.70	9.57	13.9	12.2	10.7	5.38	8.24	9.66
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(1995)	(1991)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	13,187.2		11,987			
ANNUAL MEAN	36.1		32.8		39.5	
HIGHEST ANNUAL MEAN					70.5	
LOWEST ANNUAL MEAN					11.0	
HIGHEST DAILY MEAN	163	Jun 1	147	Jul 24	421	Jun 18, 1995
LOWEST DAILY MEAN	e4.5	Jan 31	e12	Feb 10	2.6	Sep 8, 2002
ANNUAL SEVEN-DAY MINIMUM	e4.6	Jan 1	e12	Feb 10	3.3	Jul 15, 2002
MAXIMUM PEAK FLOW			194	Jul 17	573	Jun 18, 1995
MAXIMUM PEAK STAGE			5.87	Jul 17	a5.39	Jun 18, 1995
ANNUAL RUNOFF (AC-FT)	26,160		23,780		28,580	
10 PERCENT EXCEEDS	92		65		87	
50 PERCENT EXCEEDS	21		21		24	
90 PERCENT EXCEEDS	4.7		13		10	

e Estimated.

a Maximum gage height, 5.96 ft, Jul 13, 2001, present site and datum.

06710500 BEAR CREEK AT MORRISON, CO

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

DRAINAGE AREA.--164 mi².

PERIOD OF RECORD.--September 1887 to September 1891, May 1895 to December 1901, February 1902 (gage heights only), October 1919 to current year. No winter records for water years 1888-90, 1896, 1898, 1900. Monthly discharge only for some periods, published in WSP 1310. Published as "near Morrison" 1900-1902, as "at Starbuck" 1919-28, and as "at Idledale" 1929-34. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06710500

REVISED RECORDS.--WSP 976: 1942. WSP 1310: 1888, 1890-91, 1898, 1935(M). WSP 1730: Drainage area.

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

REMARKS.--Records good except for period Nov. 25 to Dec. 10, which is fair, and estimated daily discharges, which are poor. Small diversions for irrigation of about 1,000 acres upstream from station.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	16	23	e14	e13	e14	16	66	34	102	114	50
2	23	24	22	e14	e13	e14	18	72	33	80	112	47
3	25	22	21	e14	e12	e14	33	67	36	74	110	44
4	26	22	19	e12	e12	e14	23	72	35	69	100	41
5	24	15	17	e12	e12	e14	27	79	34	66	112	45
6	23	17	20	e12	e12	e16	32	85	32	64	109	41
7	23	22	20	e12	e12	e16	34	82	32	61	94	40
8	22	22	19	e13	e13	20	47	80	31	56	89	37
9	22	20	16	e16	e13	23	62	72	62	54	82	35
10	22	23	12	e16	e13	25	52	72	53	60	75	34
11	22	21	e12	e16	e13	21	44	72	40	56	70	35
12	22	19	e12	e16	e12	21	50	74	34	50	72	34
13	20	22	e12	e16	e12	24	51	70	33	48	66	30
14	19	21	e13	e16	e13	21	53	63	29	45	63	33
15	19	19	e13	e16	e13	21	52	62	29	50	60	27
16	21	17	e13	e15	e13	20	52	56	34	73	56	27
17	21	17	e13	e15	e13	20	54	55	50	133	54	26
18	19	17	e13	e15	e16	21	55	53	57	118	64	25
19	18	18	e14	e14	e16	21	47	54	61	94	123	25
20	18	21	e14	e13	e15	24	48	56	47	103	97	25
21	20	20	e14	e13	e14	23	46	57	48	104	88	34
22	19	18	e12	e13	e14	25	48	54	56	101	78	43
23	19	6.9	e13	e13	e14	25	50	48	44	137	78	38
24	18	e12	e14	e15	e14	25	51	45	37	169	68	35
25	19	16	e14	e14	e14	25	60	46	40	147	64	36
26	18	20	e14	e13	e14	24	57	46	55	138	58	36
27	20	18	e14	e13	e15	23	61	41	67	135	68	35
28	20	18	e12	e13	e15	21	64	40	96	140	72	35
29	21	24	e12	e13	e14	16	65	42	76	148	60	40
30	19	26	e13	e13	---	19	68	42	75	123	54	39
31	19	---	e14	e13	---	17	---	35	---	119	52	---
TOTAL	643	573.9	464	433	389	627	1,420	1,858	1,390	2,917	2,462	1,072
MEAN	20.7	19.1	15.0	14.0	13.4	20.2	47.3	59.9	46.3	94.1	79.4	35.7
MAX	26	26	23	16	16	25	68	85	96	169	123	50
MIN	18	6.9	12	12	12	14	16	35	29	45	52	25
AC-FT	1,280	1,140	920	859	772	1,240	2,820	3,690	2,760	5,790	4,880	2,130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 2004, BY WATER YEAR (WY)

MEAN	30.7	23.4	16.9	13.8	14.3	20.2	54.4	145	134	71.3	63.5	43.0
MAX	115	86.7	57.0	34.0	36.0	48.3	296	525	551	249	307	371
(WY)	(1985)	(1924)	(1924)	(1924)	(1924)	(1960)	(1942)	(1973)	(1949)	(1949)	(1923)	(1938)
MIN	9.52	9.59	6.34	5.19	4.00	4.00	13.1	12.4	10.5	3.03	3.96	5.41
(WY)	(1935)	(1957)	(2003)	(1950)	(1933)	(1933)	(1982)	(1963)	(2002)	(2002)	(2002)	(1978)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1900 - 2004
ANNUAL TOTAL	17,709.1	14,248.9	
ANNUAL MEAN	48.5	38.9	52.1
HIGHEST ANNUAL MEAN			125
LOWEST ANNUAL MEAN			12.0
HIGHEST DAILY MEAN	276	169	1,410
LOWEST DAILY MEAN	e4.3	6.9	0.62
ANNUAL SEVEN-DAY MINIMUM	e6.1	e12	1.0
MAXIMUM PEAK FLOW		207	e8,600
MAXIMUM PEAK STAGE		a6.96	Aug 5
ANNUAL RUNOFF (AC-FT)	35,130	28,260	37,760
10 PERCENT EXCEEDS	133	77	116
50 PERCENT EXCEEDS	23	25	25
90 PERCENT EXCEEDS	7.9	13	11

e Estimated.

a Maximum gage height, 6.98 ft, Jul 17.

06710605 BEAR CREEK ABOVE BEAR CREEK LAKE NEAR MORRISON, CO

LOCATION.--Lat 39°39'08", long 105°10'23", in NW¹/₄NE¹/₄ sec.1, T.5 S. R.70 W., Jefferson County, Hydrologic Unit 10190002, on right bank, 0.9 mi downstream from Strain Gulch, 1.0 mi east of Morrison, and 1.1 mi downstream from Mt. Vernon Creek.

DRAINAGE AREA.--176 mi².

PERIOD OF RECORD.--May 1986 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06710605

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage 5,645 ft above NGVD of 1929, from topographic map. Prior to Apr. 21, 1989, at datum 3.37 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions to Harriman Canal, and Ward Canal, 0.7 mi upstream from gage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	6.1	3.3	13	e13	e12	2.6	35	7.7	91	87	e38
2	12	2.5	2.9	13	e12	e12	6.0	19	5.9	41	84	e33
3	15	1.6	2.8	e12	e12	e12	22	41	8.0	42	81	e30
4	15	1.2	2.3	e12	e12	e12	12	58	4.8	50	70	25
5	13	1.2	1.9	e12	e12	e12	13	63	3.1	47	81	29
6	12	1.2	2.4	e12	e12	e11	14	71	2.3	45	83	25
7	12	1.2	2.1	e11	e12	e11	16	64	3.4	41	68	24
8	10	1.2	2.0	e11	e12	e10	30	59	4.4	38	63	21
9	10	1.3	1.6	e11	e11	e9.6	47	50	29	36	59	20
10	9.4	1.7	1.3	e12	e11	e9.0	40	52	17	41	53	19
11	11	2.0	1.7	e12	e11	10	33	54	12	39	50	19
12	11	2.4	1.6	13	e10	10	42	56	13	30	52	18
13	9.3	2.1	2.7	14	12	e9.1	43	52	13	25	47	23
14	8.8	2.1	2.3	14	12	11	44	26	5.8	23	44	26
15	7.8	2.1	1.9	14	11	10	44	9.0	4.5	28	41	16
16	8.7	2.1	1.3	13	9.8	12	43	27	7.8	50	38	12
17	9.8	2.1	2.3	13	11	13	44	38	16	104	36	11
18	8.2	2.6	3.6	13	e11	14	45	37	28	89	48	11
19	7.6	3.1	6.1	e12	e12	12	36	37	34	68	112	11
20	6.3	2.8	e9.1	e12	e13	14	38	37	23	76	60	11
21	8.2	2.6	12	13	e12	13	38	38	14	74	8.0	21
22	6.7	2.5	e10	12	e12	9.2	40	35	8.0	72	39	31
23	5.6	1.8	e11	e12	e12	4.4	23	30	6.5	104	66	26
24	4.7	2.1	e11	14	e12	3.8	7.2	27	11	129	56	24
25	9.1	2.4	e11	e12	e12	4.1	8.6	27	16	65	53	25
26	10	3.0	e11	e12	e12	3.4	8.5	27	29	18	48	25
27	12	2.4	e10	e12	e12	3.0	8.3	23	44	67	61	23
28	12	1.8	12	e12	e12	2.1	44	16	50	107	68	26
29	13	1.8	12	e12	e12	3.6	65	13	16	118	55	31
30	11	3.7	e11	e12	---	8.8	70	14	45	100	47	32
31	12	---	12	e12	---	5.5	---	9.7	---	91	42	---
TOTAL	311.1	66.7	178.2	384	339.8	286.6	927.2	1,144.7	482.2	1,949	1,800.0	686
MEAN	10.0	2.22	5.75	12.4	11.7	9.25	30.9	36.9	16.1	62.9	58.1	22.9
MAX	15	6.1	12	14	13	14	70	71	50	129	112	38
MIN	4.7	1.2	1.3	11	9.8	2.1	2.6	9.0	2.3	18	8.0	11
AC-FT	617	132	353	762	674	568	1,840	2,270	956	3,870	3,570	1,360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2004, BY WATER YEAR (WY)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	15.5	14.9	16.0	15.1	14.4	16.7	47.9	115	99.4	42.5	35.5	19.5							
MAX	38.8	44.9	33.8	32.3	25.1	47.0	191	382	512	216	127	58.7							
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1995)	(1995)	(1999)	(1997)							
MIN	4.14	0.38	0.17	0.17	0.18	1.26	2.83	2.40	1.51	1.21	2.27	1.76							
(WY)	(2003)	(1990)	(2003)	(2003)	(2003)	(1995)	(1989)	(2002)	(2002)	(2002)	(2002)	(2002)							

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1986 - 2004	
ANNUAL TOTAL	7,570.78		8,555.5			
ANNUAL MEAN	20.7		23.4		38.1	
HIGHEST ANNUAL MEAN					96.1	
LOWEST ANNUAL MEAN					5.14	
HIGHEST DAILY MEAN	206	Apr 15	129	Jul 24	684	Jun 18, 1995
LOWEST DAILY MEAN	0.11	Jan 3	1.2	Nov 4	0.07	Sep 3, 2002
ANNUAL SEVEN-DAY MINIMUM	0.14	Jan 1	1.3	Nov 3	0.11	Dec 17, 2002
MAXIMUM PEAK FLOW			158	Jul 16	841	Jun 9, 1995
MAXIMUM PEAK STAGE			5.00	Jul 16	6.45	Jun 9, 1995
ANNUAL RUNOFF (AC-FT)	15,020		16,970		27,630	
10 PERCENT EXCEEDS	61		57		81	
50 PERCENT EXCEEDS	8.3		12		17	
90 PERCENT EXCEEDS	0.19		2.5		2.4	

e Estimated.

06710992 TURKEY CREEK NEAR INDIAN HILLS, CO

LOCATION.--Lat 39°37'03", long 105°13'24", in SE¼NE¼ sec.16, T.5 S., R.70 W. , Jefferson County, Hydrologic Unit 10190002, on left bank 0.5 mi downstream from Parmalee Gulch and 1.0 mi east of Indian Hills.

DRAINAGE AREA.--45.9 mi².

PERIOD OF RECORD.--April 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06710992

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,620 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair, except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.13	e0.38	e0.37	e0.44	e0.53	e4.1	2.6	41	4.2	15	3.6	2.5
2	0.13	e0.38	e0.37	e0.44	e0.53	e4.0	3.0	42	3.9	13	3.3	2.2
3	0.18	e0.38	e0.37	e0.44	e0.61	e4.0	6.9	37	4.2	11	3.0	2.0
4	0.26	e0.38	e0.37	e0.44	e0.61	e4.0	6.2	35	3.7	9.4	2.7	1.9
5	0.27	e0.38	e0.37	e0.44	e0.61	e3.8	8.6	32	3.3	8.4	3.7	2.2
6	0.22	e0.38	e0.37	e0.46	e0.79	e3.6	9.0	29	2.8	7.3	4.2	1.9
7	0.21	e0.38	e0.37	e0.49	e0.89	e4.5	9.0	27	e2.4	6.3	3.2	1.6
8	0.21	e0.38	e0.37	e0.49	e0.97	e5.5	20	25	e5.0	5.7	3.3	1.4
9	0.21	e0.38	e0.37	e0.47	e1.0	e5.8	27	23	e13	5.4	2.5	1.3
10	0.22	e0.38	e0.36	e0.42	e1.4	e5.0	21	22	e5.3	6.5	2.2	1.2
11	0.23	e0.38	e0.34	e0.34	e1.4	e4.7	19	20	2.7	5.6	1.9	1.2
12	0.27	e0.38	e0.34	e0.33	e1.4	e4.3	24	20	2.3	4.2	2.0	1.0
13	0.30	e0.38	e0.34	e0.36	e1.2	e4.6	24	26	2.1	3.4	1.7	0.97
14	0.34	e0.38	e0.34	e0.41	e1.0	e4.7	24	22	1.7	2.9	1.4	0.94
15	0.39	e0.38	e0.34	e0.43	e0.84	e4.3	21	20	e2.2	3.0	1.2	0.90
16	0.42	e0.38	e0.34	e0.43	e0.71	e4.4	19	16	e4.5	8.4	0.99	0.79
17	0.37	e0.39	e0.34	e0.43	e0.86	e4.6	18	14	e5.5	15	0.87	0.73
18	e0.39	e0.40	e0.34	e0.43	e1.1	e4.9	17	13	e11	7.1	2.0	0.68
19	e0.36	e0.40	e0.34	e0.43	e1.2	e4.8	15	12	e9.0	5.0	8.7	0.69
20	e0.36	e0.40	e0.34	e0.43	e2.3	e4.8	14	10	e4.4	6.6	5.4	0.74
21	e0.36	e0.40	e0.35	e0.43	e4.4	4.8	13	10	e9.5	5.9	4.6	1.2
22	e0.34	e0.39	e0.40	e0.43	e4.4	4.8	15	8.5	e11	5.5	8.4	2.1
23	e0.36	e0.39	e0.45	e0.43	e4.2	4.6	17	7.4	5.6	8.6	5.4	2.2
24	e0.36	e0.39	e0.45	e0.43	e4.1	4.2	23	6.4	4.0	13	3.4	1.8
25	e0.36	e0.39	e0.45	e0.43	e4.1	4.1	34	6.5	3.1	9.1	2.9	1.6
26	e0.36	e0.39	e0.45	e0.46	e4.1	3.8	35	7.4	8.4	7.0	2.5	1.5
27	e0.36	e0.39	e0.45	e0.50	e4.1	3.6	37	6.8	35	6.3	5.0	1.4
28	e0.39	e0.39	e0.45	e0.53	e4.2	3.0	35	6.7	40	7.5	8.5	1.4
29	e0.41	e0.38	e0.45	e0.53	e4.2	2.6	33	6.2	24	5.9	4.5	1.7
30	e0.41	e0.38	e0.44	e0.53	---	2.9	36	5.5	19	4.5	3.3	1.6
31	e0.39	---	e0.44	e0.53	---	2.8	---	4.7	---	4.3	2.7	---
TOTAL	9.57	11.56	11.87	13.78	57.75	131.6	586.3	562.1	252.8	226.8	109.06	43.34
MEAN	0.31	0.39	0.38	0.44	1.99	4.25	19.5	18.1	8.43	7.32	3.52	1.44
MAX	0.42	0.40	0.45	0.53	4.4	5.8	37	42	40	15	8.7	2.5
MIN	0.13	0.38	0.34	0.33	0.53	2.6	2.6	4.7	1.7	2.9	0.87	0.68
AC-FT	19	23	24	27	115	261	1,160	1,110	501	450	216	86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	0.67	0.69	0.37	0.36	1.02	5.08	28.7	18.4	5.21	2.34	1.36	0.77
MAX	1.29	0.86	0.54	0.44	1.99	9.61	64.8	35.9	8.97	7.32	3.52	1.44
(WY)	(2003)	(2003)	(2002)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2004)
MIN	0.31	0.39	0.19	0.30	0.42	1.38	1.90	1.65	0.43	0.00	0.00	0.36
(WY)	(2004)	(2004)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 2001 - 2004

ANNUAL TOTAL	3,731.51	2,016.53		
ANNUAL MEAN	10.2	5.51		5.52
HIGHEST ANNUAL MEAN				10.3
LOWEST ANNUAL MEAN				0.73
HIGHEST DAILY MEAN	142	Apr 20	42	May 2
LOWEST DAILY MEAN	0.05	Sep 27	0.13	Oct 1
ANNUAL SEVEN-DAY MINIMUM	0.07	Sep 24	0.20	Oct 1
MAXIMUM PEAK FLOW			88	Jun 27
MAXIMUM PEAK STAGE			4.75	Jun 27
ANNUAL RUNOFF (AC-FT)	7,400		4,000	5.38
10 PERCENT EXCEEDS	40		17	16
50 PERCENT EXCEEDS	0.42		2.2	0.79
90 PERCENT EXCEEDS	0.21		0.36	0.11

e Estimated.

a No flow on many days in 2002.

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 road to Fort Logan Mental Health Center, at Highway Department maintenance building at northwest city limits of Sheridan, 1.3 mi upstream from mouth, and 2.1 mi west of city hall in Englewood.

DRAINAGE AREA.--260 mi².

PERIOD OF RECORD.--April to November 1914, March 1927 to current year. Monthly discharge only prior to October 1933, published in WSP 1310. Published as "at Sheridan Junction" 1934-41. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06711500

REVISED RECORDS.--WSP 1730: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,295 ft above NGVD of 1929, from topographic map. See WSP 1710 or 1730 for history of changes prior to Oct. 9, 1953. Oct. 9, 1953 to Aug. 6, 1969, water-stage recorder at present site at datum 1.0 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Bear Creek Lake since July 1979. Storage and diversions upstream from station for irrigation of about 12,000 acres.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	16	9.9	16	19	23	4.6	102	17	129	89	41
2	13	12	10	17	17	22	11	77	13	111	85	37
3	16	11	9.6	19	16	21	41	72	11	75	85	35
4	18	9.0	9.4	19	18	22	26	105	11	88	79	34
5	20	7.5	8.9	e19	19	33	16	112	10	85	74	37
6	17	6.8	8.8	e18	19	27	17	112	8.8	82	96	34
7	15	6.3	8.9	e19	18	23	32	105	6.4	77	83	31
8	14	6.3	9.5	19	18	24	51	99	4.5	73	74	28
9	13	6.2	e10	20	18	25	63	92	30	105	67	26
10	13	6.6	7.6	20	17	27	91	86	35	90	63	26
11	13	6.7	e7.1	19	19	20	65	86	23	71	55	24
12	14	7.2	e6.7	19	e20	15	70	114	19	56	54	23
13	13	7.3	e6.5	18	e17	14	65	121	19	43	50	21
14	11	8.1	7.0	18	e19	15	61	92	15	38	46	27
15	12	7.9	7.2	18	19	14	59	47	11	35	43	24
16	13	8.0	e6.9	18	20	14	56	38	12	45	39	19
17	15	8.2	6.6	18	20	12	54	60	19	121	35	16
18	14	8.0	6.7	17	21	14	54	61	53	119	103	14
19	12	8.1	7.0	16	28	15	51	61	83	91	207	14
20	11	8.8	9.9	18	28	16	47	59	71	86	111	14
21	10	9.2	13	18	24	17	49	60	72	92	44	37
22	11	9.6	15	16	23	16	71	56	45	102	28	46
23	10	e9.9	15	16	22	13	108	51	26	126	59	40
24	8.6	e9.8	17	17	22	8.5	49	43	20	164	59	36
25	9.8	9.5	19	18	21	5.4	37	42	23	139	55	33
26	12	9.0	19	19	22	4.8	38	40	33	64	50	34
27	13	8.8	18	e19	23	4.1	40	35	227	50	83	32
28	14	8.8	e15	18	23	3.6	50	31	195	102	82	49
29	13	9.4	e14	18	27	3.3	91	24	79	116	67	41
30	13	9.2	e14	18	---	3.4	115	22	78	104	54	44
31	15	---	16	18	---	5.8	---	19	---	94	46	---
TOTAL	409.4	259.2	339.2	560	597	480.9	1,582.6	2,124	1,269.7	2,773	2,165	917
MEAN	13.2	8.64	10.9	18.1	20.6	15.5	52.8	68.5	42.3	89.5	69.8	30.6
MAX	20	16	19	20	28	33	115	121	227	164	207	49
MIN	8.6	6.2	6.5	16	16	3.3	4.6	19	4.5	35	28	14
AC-FT	812	514	673	1,110	1,180	954	3,140	4,210	2,520	5,500	4,290	1,820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

	23.4	23.0	21.4	19.6	19.2	22.1	54.8	151	102	38.0	39.3	25.0
MEAN	23.4	23.0	21.4	19.6	19.2	22.1	54.8	151	102	38.0	39.3	25.0
MAX	151	99.8	61.3	46.3	43.5	94.4	394	859	630	238	255	256
(WY)	(1985)	(1985)	(1985)	(1970)	(1942)	(1960)	(1942)	(1973)	(1949)	(1983)	(1984)	(1938)
MIN	1.52	3.53	3.89	3.85	3.92	5.35	3.33	1.16	1.67	1.77	1.52	1.82
(WY)	(1955)	(1955)	(2003)	(1945)	(2003)	(1935)	(1935)	(1963)	(1966)	(1963)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1927 - 2004	
ANNUAL TOTAL	13,374.6		13,477.0			
ANNUAL MEAN	36.6		36.8		45.3	
HIGHEST ANNUAL MEAN					157	
LOWEST ANNUAL MEAN					6.53	
HIGHEST DAILY MEAN	308	Apr 16	227	Jun 27	4,020	May 7, 1969
LOWEST DAILY MEAN	3.1	Mar 10	3.3	Mar 29	0.00	Jul 13, 1954
ANNUAL SEVEN-DAY MINIMUM	3.2	Mar 5	4.2	Mar 26	0.28	Jul 29, 2002
MAXIMUM PEAK FLOW			e1,330		a8,150	
MAXIMUM PEAK STAGE			5.73		10.50	
ANNUAL RUNOFF (AC-FT)	26,530		26,730		32,850	
10 PERCENT EXCEEDS	117		89		98	
50 PERCENT EXCEEDS	13		20		17	
90 PERCENT EXCEEDS	3.5		8.6		5.9	

e Estimated.

a Present datum, from floodmarks, from rating curve extended above 3,400 ft³/s.

06711565 SOUTH PLATTE RIVER AT ENGLEWOOD, CO

LOCATION.--Lat 39°39'54", long 105°00'13", in NW¹/₄NE¹/₄ sec.33, T.4 S., R.68 W., Arapahoe County, Hydrologic Unit 10190002, on right bank, 0.3 mi downstream from Dartmouth Ave. bridge at Englewood, and 1.4 mi downstream from Bear Creek.

DRAINAGE AREA.--3,387 mi².

PERIOD OF RECORD.--February 1983 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06711565

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,250 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage and flood control reservoirs, power developments, diversions for irrigation and municipal use, and return flow from irrigated areas. Flow regulated by Chatfield Dam since May 29, 1975 (station 06709600), and Bear Creek Dam since July 1979.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	40	27	34	57	70	27	500	98	355	422	95
2	42	36	26	34	56	84	56	370	77	462	351	119
3	43	36	26	35	53	99	237	199	74	237	220	184
4	43	29	25	36	56	105	73	206	76	201	241	133
5	43	27	27	34	57	153	100	216	126	139	284	132
6	41	29	25	35	59	119	309	249	219	153	443	118
7	43	29	27	e36	73	112	280	252	218	182	527	117
8	42	27	30	35	74	107	175	248	149	156	545	106
9	41	28	38	36	68	61	312	182	193	313	339	79
10	35	31	34	35	67	59	410	190	214	283	287	81
11	38	30	28	35	69	51	301	260	172	227	315	74
12	43	29	26	35	60	43	330	527	85	211	293	71
13	41	29	28	32	e54	39	158	607	63	194	200	66
14	46	27	34	32	50	40	145	653	55	154	195	97
15	46	27	32	38	53	39	117	443	48	96	176	95
16	42	29	33	40	53	37	136	133	59	206	97	93
17	40	30	40	40	54	36	201	148	153	485	76	76
18	36	27	39	40	61	35	206	192	293	819	460	49
19	35	27	32	39	102	41	181	241	420	685	981	43
20	34	27	34	44	118	40	95	159	369	460	436	43
21	34	25	37	45	87	43	100	154	300	276	296	118
22	34	27	39	39	79	41	155	171	178	225	137	154
23	31	29	36	37	77	37	330	249	111	473	177	104
24	30	35	36	38	58	33	154	177	80	965	284	97
25	34	31	38	39	56	29	111	152	80	988	273	99
26	36	26	38	52	57	28	90	129	121	660	122	81
27	36	25	38	e100	58	27	119	114	451	281	231	114
28	36	26	35	49	58	29	179	107	702	431	170	235
29	37	27	e40	45	97	29	250	106	518	538	147	89
30	38	26	33	51	---	26	406	114	244	441	158	114
31	40	---	33	52	---	27	---	120	---	366	136	---
TOTAL	1,220	871	1,014	1,272	1,921	1,719	5,743	7,568	5,946	11,662	9,019	3,076
MEAN	39.4	29.0	32.7	41.0	66.2	55.5	191	244	198	376	291	103
MAX	60	40	40	100	118	153	410	653	702	988	981	235
MIN	30	25	25	32	50	26	27	106	48	96	76	43
AC-FT	2,420	1,730	2,010	2,520	3,810	3,410	11,390	15,010	11,790	23,130	17,890	6,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

MEAN	136	141	87.5	76.1	82.0	125	348	767	677	498	384	147
MAX	1,050	733	268	216	166	261	1,074	2,576	2,479	2,337	1,574	724
(WY)	(1985)	(1985)	(1985)	(1985)	(1985)	(1983)	(1984)	(1987)	(1995)	(1995)	(1984)	(1984)
MIN	35.1	23.4	22.2	21.8	21.5	51.7	40.5	60.4	73.9	39.2	22.8	36.7
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(1991)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1983 - 2004
ANNUAL TOTAL	51,518	51,031	
ANNUAL MEAN	141	139	269
HIGHEST ANNUAL MEAN			692
LOWEST ANNUAL MEAN			48.6
HIGHEST DAILY MEAN	815	Apr 30	988 Jul 25
LOWEST DAILY MEAN	13	Jan 23	25 Nov 21
ANNUAL SEVEN-DAY MINIMUM	14	Jan 20	26 Nov 30
MAXIMUM PEAK FLOW			2,260 Aug 19
MAXIMUM PEAK STAGE			4.06 Aug 19
ANNUAL RUNOFF (AC-FT)	102,200	101,200	194,600
10 PERCENT EXCEEDS	409	333	577
50 PERCENT EXCEEDS	43	75	121
90 PERCENT EXCEEDS	19	29	42

e Estimated.

a Also occurred Aug 17-19, 2002.

b From rating curve extended above 3,800 ft³/s.

393109104464500 CHERRY CREEK NEAR PARKER, CO

LOCATION.--Lat 39°31'09", long 104°46'45", in SE¼NW¼NE¼ sec.21, T.6 S., R.67 W., Douglas County, Hydrologic Unit 10190003, on right bank 200 ft upstream from Main Street, 1,100 ft downstream from mouth of Sulphur Gulch, and 0.8 mi west of City of Parker.

DRAINAGE AREA.--287 mi².

PERIOD OF RECORD.--October 1991 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=393109104464500

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,805 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several diversions upstream from station for irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6.2	5.2	e4.1	3.8	7.0	13	8.2	14	5.8	3.7	9.6	7.5
2	e5.9	5.3	3.1	3.9	6.6	12	7.9	13	5.5	3.8	10	6.6
3	e6.0	5.6	3.0	4.0	6.6	13	10	12	5.4	5.5	10	6.7
4	e6.0	5.4	4.4	4.0	7.3	12	8.9	12	5.4	7.3	11	9.0
5	e6.0	5.2	4.4	4.2	6.8	13	7.8	12	5.0	6.4	178	8.7
6	e5.9	5.0	4.4	4.4	6.9	13	7.9	11	5.1	6.1	98	5.4
7	e5.8	4.7	4.2	4.4	6.9	12	7.7	10	5.2	6.4	31	5.1
8	e5.7	4.9	4.4	4.4	7.1	12	7.2	9.6	4.9	6.3	15	6.0
9	e5.4	4.9	4.3	4.5	6.9	12	7.5	9.3	4.7	6.5	8.4	7.2
10	e5.5	5.2	3.8	4.5	6.5	12	9.9	9.3	5.0	6.6	7.3	7.1
11	e5.4	5.3	3.7	4.5	6.5	11	9.7	9.5	4.7	6.5	11	7.0
12	e5.3	5.5	3.2	4.7	6.1	13	12	12	4.4	6.5	8.8	7.3
13	e5.3	6.0	3.6	4.6	6.0	13	15	11	3.8	6.5	10	7.1
14	e5.3	6.0	3.9	4.5	6.0	13	11	11	3.7	6.1	9.5	7.1
15	5.3	6.0	4.1	4.8	6.7	12	9.5	11	4.7	6.1	9.5	7.3
16	3.9	6.0	3.9	4.9	6.8	13	8.2	10	5.0	6.5	9.2	6.9
17	4.4	5.9	4.0	4.8	7.8	12	7.4	9.5	4.8	e30	9.0	7.2
18	5.3	5.7	4.0	4.6	9.8	12	7.0	8.8	5.7	e6.8	66	7.1
19	5.4	5.6	3.9	5.0	18	11	6.2	8.5	4.9	e4.9	136	7.0
20	5.5	5.3	3.7	5.8	15	11	6.2	7.7	4.9	4.7	38	7.0
21	5.4	4.8	3.8	5.2	12	11	6.3	7.9	8.6	4.9	23	7.2
22	5.2	4.6	3.8	4.0	11	10	6.4	7.7	5.4	19	16	6.8
23	5.2	4.5	3.8	5.6	11	10	14	7.4	4.9	16	14	6.4
24	5.3	5.0	4.0	6.5	12	10	13	6.6	4.7	9.1	11	6.3
25	5.2	4.6	3.5	6.4	11	9.6	19	6.5	5.2	9.6	9.9	6.3
26	5.0	4.5	3.9	6.1	12	9.6	17	6.7	5.4	7.6	9.3	6.4
27	5.0	e4.2	3.9	5.9	13	9.0	14	6.6	5.6	8.1	12	6.3
28	4.8	e4.2	4.2	6.8	13	8.8	13	6.2	5.9	14	12	5.9
29	4.9	e4.1	4.2	7.2	14	8.8	12	6.1	6.0	20	9.7	5.8
30	5.0	e4.1	4.0	8.1	---	8.4	13	5.8	4.6	14	9.4	6.0
31	5.1	---	4.1	7.6	---	8.2	---	5.9	---	9.7	8.8	---
TOTAL	165.6	153.3	121.3	159.7	266.3	348.4	302.9	284.6	154.9	275.2	820.4	203.7
MEAN	5.34	5.11	3.91	5.15	9.18	11.2	10.1	9.18	5.16	8.88	26.5	6.79
MAX	6.2	6.0	4.4	8.1	18	13	19	14	8.6	30	178	9.0
MIN	3.9	4.1	3.0	3.8	6.0	8.2	6.2	5.8	3.7	3.7	7.3	5.1
AC-FT	328	304	241	317	528	691	601	565	307	546	1,630	404

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	3.99	5.20	5.87	7.63	11.1	16.3	19.2	19.3	11.2	6.93	9.30	4.03	
MAX	9.72	9.85	14.9	21.0	21.4	42.8	47.4	87.9	47.5	18.3	29.1	10.3	
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(1992)	(1998)	(1999)	(1999)	(1998)	(1998)	(1999)	
MIN	1.26	0.79	0.76	1.51	1.74	3.82	7.90	4.15	1.87	1.04	0.58	0.73	
(WY)	(1992)	(1995)	(1995)	(1995)	(1995)	(1995)	(2002)	(1997)	(1994)	(1994)	(1994)	(1994)	

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	3,696.6		3,256.3			
ANNUAL MEAN	10.1		8.90		10.0	
HIGHEST ANNUAL MEAN					21.8	
LOWEST ANNUAL MEAN					5.03	
HIGHEST DAILY MEAN	120	Apr 26	178	Aug 5	e348	May 1, 1999
LOWEST DAILY MEAN	2.0	Feb 4	3.0	Dec 3	0.43	Aug 24, 1994
ANNUAL SEVEN-DAY MINIMUM	3.4	Jan 30	3.7	Dec 10	0.45	Aug 21, 1994
MAXIMUM PEAK FLOW			420	Aug 18	a900	Jul 30, 1998
MAXIMUM PEAK STAGE			7.86	Aug 18	b9.65	Jul 30, 1998
ANNUAL RUNOFF (AC-FT)	7,330		6,460		7,240	
10 PERCENT EXCEEDS	20		13		20	
50 PERCENT EXCEEDS	6.1		6.5		6.2	
90 PERCENT EXCEEDS	4.1		4.2		1.5	

e Estimated.
a From slope-area measurement of peak flow.
b From floodmark.

06713000 CHERRY CREEK BELOW CHERRY CREEK LAKE, CO

LOCATION.--Lat 39°39'13", long 104°51'45", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.4 S., R.67 W., Denver County, Hydrologic Unit 10190003, on left bank 2,300 ft downstream from Cherry Creek Dam, 2.2 mi southeast of Sullivan, 9 mi southeast of Civic Center in Denver, and 11 mi upstream from mouth.

DRAINAGE AREA.--385 mi².

PERIOD OF RECORD.--June 1950 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06713000

REVISED RECORDS.--WSP 1730: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,487.91 ft (revised) above NGVD of 1929, (Corps of Engineers bench mark). Prior to May 17, 1999, at site 300 ft upstream at different datum.

REMARKS.--Records fair except for discharges below 1 ft³/s and estimated daily discharges, which are poor. Flow regulated by Cherry Creek Lake (see elsewhere in this report). Diversions upstream from station for irrigation of about 1,800 acres.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known, 34,000 ft³/s, Aug. 3, 1933, by slope-area measurement near present site (Castlewood Dam failure).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	0.00	0.01	e0.00	8.4	17	16	28	8.7	9.4	11	5.4
2	10	0.00	0.00	e0.00	8.3	17	16	28	102	9.1	11	5.3
3	7.0	0.00	0.05	e0.00	8.3	17	27	26	0.58	8.9	11	3.8
4	0.14	0.00	0.14	0.00	9.2	18	26	33	0.56	8.9	10	0.26
5	0.20	0.00	0.13	0.00	9.0	18	26	35	0.53	8.9	10	0.26
6	0.16	0.00	0.14	0.00	8.1	18	16	39	0.59	8.9	10	0.31
7	0.19	0.00	0.14	0.01	7.2	18	8.0	39	0.65	8.6	10	0.33
8	0.09	0.00	0.13	0.10	7.2	18	0.11	29	0.72	9.3	10	0.33
9	0.00	0.08	0.16	0.05	7.0	18	16	28	0.68	9.4	11	0.33
10	0.00	0.15	0.12	e0.00	6.7	17	47	22	0.70	9.4	26	0.30
11	0.00	0.13	0.10	e0.00	6.7	17	47	14	0.71	9.4	31	0.34
12	0.04	0.12	0.01	e1.0	3.2	15	48	4.5	0.69	9.4	31	0.37
13	0.02	0.05	0.00	e8.0	5.3	18	46	3.4	0.73	9.2	42	0.42
14	0.00	0.00	0.00	e8.0	15	18	39	3.5	0.82	9.5	52	0.49
15	0.00	0.00	0.00	e8.0	15	6.6	28	7.4	0.91	9.7	52	0.50
16	0.00	e0.00	0.08	e8.0	15	0.00	22	8.2	1.1	10	52	0.52
17	0.00	e0.00	0.12	e8.0	16	0.00	19	7.8	1.2	9.5	53	0.58
18	0.00	e0.00	0.14	e8.0	16	0.00	20	8.1	1.4	9.4	62	0.53
19	0.00	e0.00	0.05	e8.0	8.5	0.00	14	6.0	1.3	9.5	56	0.48
20	0.00	e0.00	0.52	e8.0	10	0.00	5.2	5.4	0.87	9.5	117	0.53
21	0.00	e0.00	0.12	e8.0	18	0.00	5.5	4.7	1.7	9.5	172	1.0
22	0.00	e0.00	0.00	e8.0	18	0.00	6.3	4.6	0.87	9.7	170	0.54
23	0.00	0.00	0.00	e8.0	20	0.00	7.6	4.2	0.85	10	166	11
24	0.00	0.00	0.00	e8.0	20	0.00	7.3	2.8	1.0	10	165	19
25	0.00	0.00	0.00	e8.0	20	0.00	9.1	1.9	1.1	10	149	12
26	0.00	0.00	0.00	e8.0	19	0.00	20	2.6	1.4	10	156	12
27	0.00	0.00	0.17	e8.0	19	0.00	30	3.0	1.6	10	155	12
28	0.00	0.00	e0.00	e8.0	18	0.00	28	1.5	1.5	10	153	12
29	0.00	0.00	e0.00	e8.0	18	0.00	26	1.7	5.0	10	153	12
30	0.00	0.00	e0.00	7.9	---	0.00	25	2.1	9.5	11	110	12
31	0.00	---	e0.00	8.4	---	6.5	---	1.6	---	11	25	---
TOTAL	29.84	0.53	2.33	153.46	360.1	257.10	651.11	406.0	149.96	297.1	2,242	124.92
MEAN	0.96	0.02	0.08	4.95	12.4	8.29	21.7	13.1	5.00	9.58	72.3	4.16
MAX	12	0.15	0.52	8.4	20	18	48	39	102	11	172	19
MIN	0.00	0.00	0.00	0.00	3.2	0.00	0.11	1.5	0.53	8.6	10	0.26
AC-FT	59	1.1	4.6	304	714	510	1,290	805	297	589	4,450	248

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

	MEAN	2.05	2.89	3.87	3.52	8.25	13.6	19.1	15.1	9.94	5.24	12.2	3.13
MAX	29.6	38.5	39.1	42.4	60.3	108	166	124	243	71.3	218	54.2	
(WY)	(1985)	(1985)	(1985)	(1985)	(1984)	(1974)	(1984)	(1999)	(1973)	(1983)	(1965)	(1965)	
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1958)	(1958)	(1958)	(1958)	(1958)	(1958)	(1958)	(1958)	(1961)	(1964)	(1957)	(1957)	

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1950 - 2004

ANNUAL TOTAL	5,647.98		4,674.45		8.26	
ANNUAL MEAN	15.5		12.8		38.8	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	196	May 2	172	Aug 21	721	Aug 1, 1956
LOWEST DAILY MEAN	a0.00	Jan 1	a0.00	Oct 9	a0.00	May 19, 1957
ANNUAL SEVEN-DAY MINIMUM	a0.00	Jan 1	a0.00	Oct 14	a0.00	May 19, 1957
MAXIMUM PEAK FLOW			1,120		1,600	
MAXIMUM PEAK STAGE			6.48		6.92	
ANNUAL RUNOFF (AC-FT)	11,200		9,270		5,980	
10 PERCENT EXCEEDS	34		28		19	
50 PERCENT EXCEEDS	0.96		5.4		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated.

a No flow many days.

06713500 CHERRY CREEK AT DENVER, CO

LOCATION.--Lat 39°44'33", long 104°59'58", in SE¹/₄ sec.33, T.3 S., R.68 W., Denver County, Hydrologic Unit 10190003, on left bank 100 ft downstream from Champa Street bridge in Denver, and 1.1 mi upstream from mouth.

DRAINAGE AREA.--409 mi².

PERIOD OF RECORD.--August 1942 to September 1969, February 1980 to September 1983, and annual maximums 1984, 1985. April 1986 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06713500

REVISED RECORDS.--WSP 1710: Drainage area. WDR CO-82-1: 1982 (M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,180 ft above NGVD of 1929, from topographic map. See WSP 1730 for history of changes prior to July 16, 1951. Prior to Mar. 1, 1995, at site 0.6 mi downstream, on downstream side of Wazee Street bridge, at different datum. Mar. 1, 1995 to May 11, 1998, at site 0.4 mi downstream, 300 ft upstream from Market Street bridge, at different datum.

REMARKS.--Records fair except for estimated daily discharges and flows above 200 cfs, which are poor. Several diversions upstream from station for irrigation of about 1,900 acres. Floodflow regulated by Cherry Creek Reservoir 11 mi upstream, capacity, 95,960 acre-ft. Water-quality data has been collected at this site as part of the South Platte River Basin National Water-Quality Assessment Program and is available at http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06713500

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 26, 1885, reached a discharge of 20,000 ft³/s, by float measurement. Flood of May 19 and 20, 1864, reached a somewhat higher stage. Flood of Aug. 3, 1933, reached a discharge of about 15,000 ft³/s, as determined by rise of South Platte River at Denver.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	11	10	9.8	19	24	15	74	14	19	16	29
2	25	9.8	9.9	12	16	23	46	55	86	17	17	24
3	24	12	9.5	11	16	22	97	48	17	17	19	22
4	e17	9.9	9.9	9.5	19	28	30	48	12	19	16	26
5	e12	9.3	10	8.2	18	42	29	47	11	20	17	19
6	e12	9.5	10	8.2	19	24	26	46	11	19	38	17
7	e12	9.4	9.6	9.0	20	22	22	46	11	18	30	15
8	e11	9.4	12	9.4	18	22	29	46	11	16	22	15
9	e11	9.3	18	10	17	23	35	43	23	21	19	15
10	e10	9.5	13	9.0	16	22	106	37	7.0	18	52	15
11	e10	9.4	11	8.6	17	23	62	32	5.9	17	68	14
12	e10	8.7	11	9.8	16	21	85	118	5.6	18	44	15
13	e10	9.0	10	9.8	15	22	54	64	5.6	17	42	14
14	e10	9.1	12	10	22	22	50	24	5.9	17	52	14
15	e10	8.8	12	13	25	21	33	17	6.1	19	52	14
16	e10	8.5	11	14	24	10	32	16	12	75	53	14
17	e10	8.9	11	14	26	8.9	31	16	31	40	53	13
18	e10	9.3	14	14	26	8.4	32	15	74	23	516	13
19	e10	9.4	17	15	33	8.3	32	14	54	18	373	13
20	e10	9.2	13	19	30	9.6	22	14	13	17	103	13
21	e10	9.2	9.6	17	26	10	37	14	80	17	144	67
22	e10	9.3	10	16	25	11	60	13	19	18	144	53
23	e10	10	9.9	16	24	11	140	13	13	33	144	17
24	e10	14	9.6	16	24	11	47	14	12	33	145	31
25	e9.5	11	9.4	16	24	12	28	15	12	20	138	47
26	e9.5	10	9.5	20	24	11	28	14	17	18	146	26
27	e9.8	10	9.3	21	23	8.0	40	14	25	17	241	56
28	e9.5	10	11	22	23	8.0	41	15	15	24	153	62
29	e9.5	10	9.7	19	31	7.9	43	19	22	20	146	35
30	9.1	9.5	9.7	17	---	8.1	95	15	24	17	133	39
31	10	---	10	16	---	8.0	---	13	---	16	62	---
TOTAL	368.9	292.4	341.6	419.3	636	512.2	1,427	979	655.1	678	3,198	767
MEAN	11.9	9.75	11.0	13.5	21.9	16.5	47.6	31.6	21.8	21.9	103	25.6
MAX	28	14	18	22	33	42	140	118	86	75	516	67
MIN	9.1	8.5	9.3	8.2	15	7.9	15	13	5.6	16	16	13
AC-FT	732	580	678	832	1,260	1,020	2,830	1,940	1,300	1,340	6,340	1,520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2004, BY WATER YEAR (WY)

MEAN	15.3	13.2	11.4	11.4	16.6	26.0	32.6	41.0	31.5	27.1	40.1	18.8
MAX	37.2	47.1	54.4	37.0	73.8	179	119	156	118	161	236	64.9
(WY)	(1998)	(1998)	(1988)	(2000)	(1948)	(1948)	(1983)	(1999)	(1944)	(1983)	(1945)	(1965)
MIN	3.66	3.61	3.39	3.17	4.18	3.25	3.28	6.10	3.17	3.74	4.05	4.03
(WY)	(1949)	(1955)	(1956)	(1956)	(1952)	(1955)	(1955)	(1966)	(1946)	(1948)	(1948)	(1948)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1942 - 2004
ANNUAL TOTAL	12,496.6	10,274.5	
ANNUAL MEAN	34.2	28.1	23.8
HIGHEST ANNUAL MEAN			70.7
LOWEST ANNUAL MEAN			6.00
HIGHEST DAILY MEAN	351	516	1,350
LOWEST DAILY MEAN	5.2	5.6	a0.40
ANNUAL SEVEN-DAY MINIMUM	6.4	6.9	0.93
MAXIMUM PEAK FLOW		b3,670	b3,670
MAXIMUM PEAK STAGE		9.60	c,d9.60
ANNUAL RUNOFF (AC-FT)	24,790	20,380	17,250
10 PERCENT EXCEEDS	100	53	47
50 PERCENT EXCEEDS	16	16	11
90 PERCENT EXCEEDS	7.2	9.4	4.5

e Estimated.

a Also occurred Jun 17-18, 1948.

b From rating curve extended above 3,350 ft³/s.

c From floodmark.

d Maximum gage height, 11.98 ft, Jun 28, 1997, site and datum then in use.

06714000 SOUTH PLATTE RIVER AT DENVER, CO

LOCATION.--Lat 39°45'35", long 105°00'10", in NW¹/₄SE¹/₄ sec.28, T.3 S., R.68 W., Denver County, Hydrologic Unit 10190003, on right bank 90 ft upstream from Nineteenth Street bridge in Denver, and 0.4 mi downstream from Cherry Creek.

DRAINAGE AREA.--3,861 mi².

PERIOD OF RECORD.--May to October 1889, June to October 1890, July 1895 to current year. Monthly discharge only for some periods, published in WSP 1310.

Statistical summary computed for 1976 to current year, subsequent to completion of Chatfield Dam. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06714000

REVISED RECORDS.--WSP 1310: 1934(M). WSP 1730: 1957(M). WDR CO-86-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,157.64 ft above NGVD of 1929, adjustment of 1960. Prior to Aug. 12, 1909, nonrecording gages, and Aug. 12, 1909 to Aug. 28, 1931, water-stage recorder, at several sites within 0.5 mi of present site at various datums. Aug. 29, 1931 to June 28, 1965, water-stage recorder at site 70 ft downstream at datum 3.66 ft lower. June 29, 1965 to Mar. 18, 1966, water-stage recorder at site 70 ft downstream at present datum.

REMARKS.--No estimated daily discharges. Records good except for Aug. 18-19, which are fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation of about 79,000 acres and municipal use, and return flow from irrigated areas.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	91	67	72	117	139	79	682	126	436	475	192
2	115	85	65	75	111	132	154	534	193	583	436	192
3	106	80	62	81	103	147	612	324	118	353	296	271
4	101	73	67	80	111	159	166	325	110	306	309	219
5	98	68	70	74	110	292	144	322	133	239	327	215
6	93	67	70	70	118	185	378	356	256	231	523	186
7	90	68	64	76	135	163	419	346	290	274	570	180
8	93	67	78	76	133	160	296	358	202	216	600	165
9	87	65	106	77	123	120	431	267	392	411	425	138
10	81	69	88	77	117	110	675	260	300	405	520	136
11	80	68	74	76	122	109	451	310	252	317	520	132
12	92	68	70	78	109	98	538	776	147	295	430	129
13	91	67	67	74	98	91	280	683	123	271	322	125
14	94	64	80	70	113	96	247	619	114	232	319	147
15	97	65	80	80	122	94	205	489	108	164	310	153
16	91	72	73	85	123	76	208	196	129	363	223	153
17	87	74	84	84	124	72	280	193	229	523	194	137
18	82	72	89	85	132	70	292	220	508	820	1,500	111
19	79	69	87	86	189	81	290	275	596	732	1,890	101
20	80	67	86	99	237	84	172	200	486	537	648	102
21	71	68	84	101	168	86	203	188	559	369	585	319
22	72	70	85	92	147	86	362	186	319	302	370	334
23	70	81	80	87	140	80	763	279	198	520	383	176
24	68	89	78	85	122	74	327	215	161	947	495	179
25	77	81	78	87	118	70	226	186	146	991	507	208
26	88	69	79	108	111	69	191	160	207	742	335	167
27	91	67	81	173	111	62	211	144	519	365	731	212
28	82	62	75	122	113	66	279	136	880	451	431	414
29	78	66	76	108	193	73	364	137	682	597	359	179
30	77	62	73	107	---	69	638	139	403	509	361	222
31	89	---	72	105	---	70	---	138	---	420	268	---
TOTAL	2,740	2,134	2,388	2,750	3,770	3,283	9,881	9,643	8,886	13,921	15,662	5,594
MEAN	88.4	71.1	77.0	88.7	130	106	329	311	296	449	505	186
MAX	140	91	106	173	237	292	763	776	880	991	1,890	414
MIN	68	62	62	70	98	62	79	136	108	164	194	101
AC-FT	5,430	4,230	4,740	5,450	7,480	6,510	19,600	19,130	17,630	27,610	31,070	11,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

	191	182	137	126	142	192	425	861	776	555	465	226
MEAN	191	182	137	126	142	192	425	861	776	555	465	226
MAX	1,184	809	366	282	273	420	1,377	2,970	2,759	2,546	1,774	911
(WY)	(1985)	(1985)	(1985)	(1985)	(1984)	(1983)	(1984)	(1980)	(1983)	(1995)	(1984)	(1984)
MIN	66.8	65.6	62.4	62.3	62.3	94.9	99.1	141	150	87.5	71.3	76.5
(WY)	(1978)	(2003)	(2003)	(2003)	(2003)	(1978)	(1982)	(2002)	(2002)	(2002)	(2002)	(1977)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	82,487		80,652			
ANNUAL MEAN	226		220		a358	
HIGHEST ANNUAL MEAN					961	
LOWEST ANNUAL MEAN					120	
HIGHEST DAILY MEAN	1,270		Apr 24		b4,020	
LOWEST DAILY MEAN	51		Jan 28		c42	
ANNUAL SEVEN-DAY MINIMUM	54		Mar 9		48	
MAXIMUM PEAK FLOW			6,660		Aug 18	
MAXIMUM PEAK STAGE			8.83		Aug 18	
ANNUAL RUNOFF (AC-FT)	163,600		160,000		259,100	
10 PERCENT EXCEEDS	528		508		705	
50 PERCENT EXCEEDS	123		136		185	
90 PERCENT EXCEEDS	59		70		84	

a Average discharge for 79 years (water years 1896-1974), 344 ft³/s; 249,200 acre-ft/yr, prior to completion of Chatfield Dam.

b Maximum daily discharge for period of record, 12,000 ft³/s, Jun 17, 1965.

c Minimum daily discharge for period of record, 8.8 ft³/s, Mar 25, 1951.

d Maximum discharge and stage for period of record, 40,300 ft³/s, Jun 17, 1965, gage height, 18.66 ft, from floodmarks, present datum, from rating curve extended above 2,700 ft³/s, on basis of contracted-opening measurement of peak flow.

06714215 SOUTH PLATTE RIVER AT 64TH AVENUE, AT COMMERCE CITY, CO

LOCATION.--Lat 39°48'44", long 104°57'28", in NW¹/₄NW¹/₄ sec.12, T.3 S., R.68 W., Adams County, Hydrologic Unit 10190003, on left bank 300 ft southeast of intersection of York Street and East 64th Avenue, and 1,900 ft upstream from mouth of Sand Creek at northwest corner of Metro Denver Sewage Disposal plant at Commerce City.

DRAINAGE AREA.--3,884 mi².

PERIOD OF RECORD.--January 1982 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06714215

REVISED RECORDS.--WDR CO-86-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, and concrete control. Elevation of gage is 5,105 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by transmountain diversions, storage and flood-control reservoirs, power developments, diversions for irrigation and municipal use, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	8.7	10	7.3	9.8	155	23	322	16	12	163	9.4
2	9.4	8.3	8.4	7.1	10	150	64	152	70	75	330	9.9
3	9.0	8.3	8.2	7.3	9.5	164	619	21	17	11	229	9.1
4	9.7	8.0	9.8	7.3	9.9	178	68	19	11	19	245	99
5	10	8.0	7.9	11	9.0	354	23	18	11	78	257	222
6	8.8	6.9	7.8	9.5	8.7	218	111	19	123	98	462	159
7	19	7.0	7.3	e8.0	9.2	188	179	74	204	135	535	103
8	24	7.5	8.4	6.4	9.8	185	77	277	122	103	583	55
9	19	7.5	8.8	7.4	35	148	315	177	378	318	402	33
10	19	10	9.4	7.6	118	133	580	191	257	356	414	29
11	20	9.0	e9.4	7.5	138	134	243	268	200	257	569	31
12	18	7.6	11	7.1	130	121	341	794	86	234	394	25
13	16	7.7	9.5	8.2	121	111	50	583	59	206	268	21
14	15	6.8	9.5	8.1	128	119	18	209	44	160	264	29
15	12	9.4	8.2	9.0	138	117	17	110	37	95	252	42
16	12	7.6	11	10	136	99	16	15	57	339	153	39
17	10	7.1	8.2	9.6	136	94	21	14	148	574	120	29
18	10	7.0	8.5	10	144	89	28	12	496	811	1,920	19
19	11	8.9	11	11	191	101	33	11	357	604	2,030	11
20	11	10	8.7	10	280	103	33	13	65	318	91	8.9
21	8.8	11	8.2	11	190	107	104	28	214	189	35	277
22	9.2	11	10	10	164	109	241	57	89	246	14	306
23	8.2	9.5	8.7	7.9	156	103	612	156	21	511	12	83
24	6.6	7.9	7.8	7.4	141	95	56	96	15	971	21	75
25	12	6.5	8.3	8.8	134	89	18	64	13	616	87	113
26	10	6.2	7.7	10	130	89	16	42	12	153	149	80
27	11	6.9	7.4	9.5	124	79	15	25	171	23	802	133
28	11	8.0	7.7	9.0	110	83	15	17	550	232	227	274
29	8.5	8.2	8.4	8.2	201	56	17	13	218	517	11	12
30	9.4	8.7	8.6	7.4	---	26	252	24	14	445	8.2	10
31	9.2	---	7.4	8.4	---	23	---	16	---	187	9.0	---
TOTAL	378.8	245.2	271.2	267.0	3,120.9	3,820	4,205	3,837	4,075	8,893	11,056.2	2,346.3
MEAN	12.2	8.17	8.75	8.61	108	123	140	124	136	287	357	78.2
MAX	24	11	11	11	280	354	619	794	550	971	2,030	306
MIN	6.6	6.2	7.3	6.4	8.7	23	15	11	11	11	8.2	8.9
AC-FT	751	486	538	530	6,190	7,580	8,340	7,610	8,080	17,640	21,930	4,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

	103	90.3	61.0	84.9	70.9	112	284	652	501	425	357	120
MEAN	103	90.3	61.0	84.9	70.9	112	284	652	501	425	357	120
MAX	1,286	927	199	235	325	305	1,335	2,675	2,560	2,130	1,410	755
(WY)	(1985)	(1985)	(1986)	(1984)	(1984)	(1984)	(1984)	(1987)	(1995)	(1995)	(1984)	(1984)
MIN	10.0	8.17	8.75	8.61	8.58	6.81	21.0	33.2	45.1	42.5	35.9	13.4
(WY)	(1989)	(2004)	(2004)	(2004)	(1982)	(1995)	(1991)	(1997)	(2002)	(1994)	(2002)	(2003)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1982 - 2004

ANNUAL TOTAL	23,722.3											
ANNUAL MEAN	65.0											
HIGHEST ANNUAL MEAN										245		
LOWEST ANNUAL MEAN										825		1983
HIGHEST DAILY MEAN	1,240									50.5		2002
LOWEST DAILY MEAN	5.9											May 27, 1987
ANNUAL SEVEN-DAY MINIMUM	6.5										2.1	Mar 14, 1995
MAXIMUM PEAK FLOW											3.7	Mar 11, 1995
MAXIMUM PEAK STAGE												Jun 8, 1987
ANNUAL RUNOFF (AC-FT)	47,050											Jun 8, 1987
10 PERCENT EXCEEDS	176										8.09	
50 PERCENT EXCEEDS	14										177,400	
90 PERCENT EXCEEDS	7.7										577	
											63	
											9.1	

e Estimated.

394839104570300 SAND CREEK AT MOUTH NEAR COMMERCE CITY, CO

LOCATION.--Lat 39°48'36", long 104°57'00", in SE¹/₄NW¹/₄NW¹/₄ sec.12, T.3 S., R.68 W., Adams County, Hydrologic Unit 10190003, on left bank 800 ft upstream from mouth and 50 ft upstream from confluence of Burlington Ditch and Sand Creek in northeast corner of Metro Wastewater Plant.

DRAINAGE AREA.--184 mi².

PERIOD OF RECORD.--January 1992 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=394839104570300

REVISED RECORDS.--WDR CO-03-01: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,120 ft above NGVD of 1929, from topographic map. Prior to Mar 1, 2000, at site 400 ft downstream at different datum. Supplementary recorder on Burlington Ditch return flows, 50 ft downstream from gage.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	14	10	13	17	e37	e35	164	100	49	156	35
2	10	13	10	13	17	e25	e28	96	91	167	117	35
3	9.4	15	10	13	15	e18	112	33	87	102	84	117
4	9.8	13	9.8	13	17	13	31	23	88	144	66	79
5	9.7	11	9.8	13	17	e37	e58	21	89	121	67	60
6	9.7	11	10	13	17	e29	e138	92	91	117	111	30
7	9.7	11	10	14	19	e22	e136	161	82	115	90	42
8	9.8	11	10	14	20	e19	e146	75	45	87	82	41
9	9.2	11	19	14	17	e17	e187	101	55	59	e62	28
10	9	11	19	14	e18	e13	e269	69	47	64	e59	29
11	9.8	11	15	14	e15	e15	e180	48	45	56	63	34
12	9.2	11	11	13	e15	e15	e193	208	42	52	45	38
13	8.7	11	10	13	e15	e14	e127	213	41	52	33	37
14	10	9.7	12	13	e15	e16	e144	154	36	49	30	38
15	11	9.6	13	13	e15	e14	e102	95	32	47	44	40
16	9.2	9.7	11	14	e15	e15	e67	12	36	142	48	43
17	9.5	11	12	15	e15	e15	e120	9.4	64	169	47	32
18	9.9	11	12	14	16	e14	e132	8.1	227	88	701	24
19	9.7	9.7	11	15	18	e14	e134	47	217	107	887	17
20	9.8	9.6	11	15	27	e16	e86	107	62	103	128	17
21	12	9.5	11	15	22	e16	e96	136	167	90	76	86
22	10	9.6	11	14	20	e14	e114	109	e78	101	36	111
23	11	9.1	11	14	16	e14	358	111	25	504	35	57
24	9.3	13	11	14	14	e13	e220	110	15	562	128	44
25	10	15	11	14	14	e13	53	109	10	173	87	42
26	11	11	11	15	15	e13	33	108	9.5	71	68	41
27	9.7	10	11	18	14	e15	26	105	32	124	244	49
28	13	10	11	18	e28	e16	22	104	62	80	95	133
29	11	9.9	11	21	e48	e35	21	105	28	102	27	123
30	10	9.9	12	17	---	e63	126	115	27	136	23	22
31	12	---	13	16	---	e54	---	104	---	145	65	---
TOTAL	313.1	331.3	359.6	449	531	644	3,494	2,952.5	2,030.5	3,978	3,804	1,524
MEAN	10.1	11.0	11.6	14.5	18.3	20.8	116	95.2	67.7	128	123	50.8
MAX	13	15	19	21	48	63	358	213	227	562	887	133
MIN	8.7	9.1	9.8	13	14	13	21	8.1	9.5	47	23	17
AC-FT	621	657	713	891	1,050	1,280	6,930	5,860	4,030	7,890	7,550	3,020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	34.6	23.6	19.0	17.4	27.3	42.9	65.1	80.8	76.4	112	104	58.3	
MAX	107	49.0	35.5	27.7	102	124	168	150	137	260	204	162	
(WY)	(1998)	(1998)	(1998)	(1997)	(1997)	(1997)	(1999)	(2001)	(1995)	(1997)	(1997)	(1997)	
MIN	10.1	11.0	11.6	12.9	14.6	13.6	25.2	46.1	33.9	32.0	30.9	16.9	
(WY)	(2004)	(2004)	(2004)	(1995)	(1995)	(1995)	(1996)	(1993)	(1996)	(2002)	(2002)	(1992)	

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	19,197.2		20,411.0			
ANNUAL MEAN	52.6		55.8			
HIGHEST ANNUAL MEAN					55.9	
LOWEST ANNUAL MEAN					99.9	
HIGHEST DAILY MEAN	612		887		1,100	
LOWEST DAILY MEAN	8.4		8.1		4.0	
ANNUAL SEVEN-DAY MINIMUM	9.1		9.3		7.2	
MAXIMUM PEAK FLOW			4,150		a5,750	
MAXIMUM PEAK STAGE			7.31		b12.12	
ANNUAL RUNOFF (AC-FT)	38,080		40,490		40,480	
10 PERCENT EXCEEDS	128		128		125	
50 PERCENT EXCEEDS	18		22		30	
90 PERCENT EXCEEDS	9.8		10		13	

e Estimated.

a From rating curve extended above 500 ft³/s.

b Maximum gage height, 13.18 ft, Jul 31, 1999, backwater from construction, site and datum then in use.

06714800 LEAVENWORTH CREEK AT MOUTH NEAR GEORGETOWN, CO

LOCATION.--Lat 39°41'14", long 105°41'59", in NE¹/₄SW¹/₄ sec.20, T.4 S., R.74 W., Clear Creek County, Hydrologic Unit 10190004, on left bank 400 ft upstream from confluence of South Clear Creek, 0.3 mi south of Georgetown Reservoir, and 1.3 mi south of Georgetown.

DRAINAGE AREA.--12.0 mi².

PERIOD OF RECORD.--October 1994 to September 2000. October 2000 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06714800

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,280 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Vidler Tunnel (transmountain diversion) imports water from Peru Creek. There is seasonal diversion into Green Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 168 ft³/s, July 12, 1995, gage height, 4.79 ft; minimum daily, 1.2 ft³/s, Feb. 12, 1995.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 39 ft³/s, June 7, gage height, 4.18 ft; minimum daily, 1.8 ft³/s, Apr. 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	---	---	---	---	e2.3	e2.7	3.9	18	19	9.6	5.0
2	8.2	---	---	---	---	e2.3	e2.8	4.3	19	18	9.7	4.8
3	8.7	---	---	---	---	e2.3	e2.8	6.6	22	17	9.6	4.5
4	8.2	---	---	---	---	e2.2	e2.3	9.0	23	16	9.1	5.0
5	7.7	---	---	---	---	e2.3	e2.4	12	25	16	9.1	6.0
6	7.0	---	---	---	---	e2.2	e2.5	14	28	15	8.6	5.5
7	6.7	---	---	---	---	e2.2	e2.1	14	31	13	8.3	5.2
8	6.3	---	---	---	---	e2.2	e1.8	13	30	12	7.9	4.7
9	6.0	---	---	---	---	e2.2	e2.0	14	31	12	7.5	4.7
10	5.9	---	---	---	---	e2.2	e2.0	15	30	11	7.2	4.9
11	6.2	---	---	---	---	e2.2	e2.3	16	27	11	7.0	5.5
12	5.5	---	---	---	---	e2.2	e2.1	14	24	10	6.9	4.9
13	5.6	---	---	---	---	e2.2	e1.9	11	23	10	6.8	4.7
14	5.8	---	---	---	---	e2.2	e2.1	11	24	11	7.0	4.7
15	5.6	---	---	---	---	e2.2	2.6	11	25	14	6.6	4.9
16	5.9	---	---	---	---	e2.2	3.0	12	25	15	6.4	4.6
17	5.8	---	---	---	---	e2.2	3.7	13	25	17	6.8	4.7
18	5.7	---	---	---	---	e2.2	3.8	14	26	16	8.9	4.5
19	5.6	---	---	---	---	e2.3	2.9	18	23	14	11	4.7
20	5.4	---	---	---	---	e2.4	2.9	19	22	13	9.1	5.0
21	5.4	---	---	---	---	e2.5	2.8	19	23	12	8.0	6.8
22	5.1	---	---	---	---	e2.6	2.7	19	20	13	7.4	7.3
23	5.1	---	---	---	---	e2.7	2.3	18	18	14	7.0	7.0
24	5.1	---	---	---	---	e2.9	2.8	18	18	14	6.4	7.4
25	5.1	---	---	---	---	e2.7	2.7	19	19	12	6.3	8.2
26	5.9	---	---	---	---	e2.8	2.9	21	19	11	6.1	8.7
27	5.3	---	---	---	---	e2.7	4.0	20	19	11	6.2	7.7
28	5.3	---	---	---	---	e2.3	4.4	21	20	11	6.2	7.3
29	4.6	---	---	---	---	e2.3	4.1	22	19	11	5.7	7.3
30	4.3	---	---	---	---	e2.2	3.9	18	22	10	5.4	7.8
31	4.4	---	---	---	---	e2.5	---	18	---	9.9	4.9	---
TOTAL	184.5	---	---	---	---	72.9	83.3	457.8	698	408.9	232.7	174.0
MEAN	5.95	---	---	---	---	2.35	2.78	14.8	23.3	13.2	7.51	5.80
MAX	8.7	---	---	---	---	2.9	4.4	22	31	19	11	8.7
MIN	4.3	---	---	---	---	2.2	1.8	3.9	18	9.9	4.9	4.5
AC-FT	366	---	---	---	---	145	165	908	1,380	811	462	345

e Estimated.

394308105413800 CLEAR CREEK ABOVE GEORGETOWN LAKE NEAR GEORGETOWN, CO

LOCATION.--Lat 39°43'08", long 105°41'38", in SW¹/₄NE¹/₄, sec.8, T.4 S., R.74 W., Clear Creek County, Hydrologic Unit 10190004, on left bank 300 ft upstream from Georgetown Lake, and 1.0 mi north of Georgetown.

DRAINAGE AREA.--80.0 mi².

PERIOD OF RECORD.--July 1997 to September 1999, October 1999 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=394308105413800

GAGE.--Water-stage recorder. Elevation of gage is 8,460 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 975 ft³/s, May 31, 2003, gage height 6.49 ft; minimum daily, 6.4 ft³/s, Mar. 17, 2004.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 272 ft³/s, June 7, gage height, 4.31 ft; minimum daily, 6.4 ft³/s, Mar. 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	24	---	---	---	e14	21	27	100	142	65	34
2	53	23	---	---	---	e14	22	28	105	131	68	30
3	57	24	---	---	---	e13	20	35	120	122	67	31
4	52	17	---	---	---	e13	20	48	134	115	62	31
5	50	17	---	---	---	e13	25	63	145	110	62	35
6	47	20	---	---	---	e12	25	77	168	107	60	36
7	46	21	---	---	---	13	28	86	190	102	57	35
8	43	21	---	---	---	12	28	87	196	99	54	32
9	38	21	---	---	---	13	28	86	208	95	52	28
10	35	23	---	---	---	13	22	96	202	92	50	29
11	35	22	---	---	---	12	24	102	171	88	49	32
12	31	20	---	---	---	12	23	96	153	86	49	29
13	31	22	---	---	---	12	24	80	148	84	47	30
14	26	23	---	---	---	10	25	70	159	85	46	27
15	28	21	---	---	---	8.1	26	67	157	104	45	27
16	28	19	---	---	---	6.8	27	69	159	114	44	24
17	29	20	---	---	---	6.4	31	72	157	125	44	22
18	28	22	---	---	---	8.3	32	79	162	115	48	22
19	27	20	---	---	---	11	25	101	152	103	54	23
20	26	20	---	---	---	13	25	124	150	98	53	23
21	32	19	---	---	---	20	24	132	150	93	46	28
22	33	18	---	---	---	20	22	134	134	91	44	27
23	31	e17	---	---	---	22	23	126	123	98	46	25
24	25	e22	---	---	---	21	22	124	121	96	44	26
25	19	e24	---	---	---	23	23	120	122	83	44	30
26	19	22	---	---	---	23	27	117	127	79	41	31
27	24	e22	---	---	---	22	33	118	132	75	42	28
28	26	e23	---	---	---	17	31	126	141	76	41	27
29	27	19	---	---	---	22	31	130	136	74	39	27
30	25	17	---	---	---	19	29	109	152	71	37	30
31	19	---	---	---	---	20	---	102	---	69	35	---
TOTAL	1,037	623	---	---	---	458.6	766	2,831	4,474	3,022	1,535	859
MEAN	33.5	20.8	---	---	---	14.8	25.5	91.3	149	97.5	49.5	28.6
MAX	57	24	---	---	---	23	33	134	208	142	68	36
MIN	19	17	---	---	---	6.4	20	27	100	69	35	22
AC-FT	2,060	1,240	---	---	---	910	1,520	5,620	8,870	5,990	3,040	1,700

e Estimated.

06715000 CLEAR CREEK ABOVE WEST FORK CLEAR CREEK NEAR EMPIRE, CO

LOCATION.--Lat 39°45'07", long 105°39'41", in NE¹/₄NW¹/₄ sec.34, T.3 S., R.74 W., Clear Creek County, Hydrologic Unit 10190004, on left bank, 1.1 mi west of exit 232 on I-70, 1.3 mi southeast of Empire, and 2.1 mi west of Lawson.

DRAINAGE AREA.--86.1 mi².

PERIOD OF RECORD.--October 1994 to September 2000. October 2000 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06715000

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,280 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1030 ft³/s, June 17, 1995 and May 31, 2003, gage height, 6.63 ft and 6.53 ft respectively; minimum daily, 6.6 ft³/s (estimated), March 2-13, 2003.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 232 ft³/s, June 9, gage height, 4.79 ft; minimum daily, 12 ft³/s, Mar. 16-17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	---	---	---	---	16	22	33	89	146	63	33
2	50	---	---	---	---	16	26	33	92	133	63	30
3	56	---	---	---	---	16	27	37	105	129	64	30
4	52	---	---	---	---	16	23	50	124	116	60	29
5	49	---	---	---	---	16	28	61	134	109	58	36
6	47	---	---	---	---	14	30	74	154	103	55	35
7	45	---	---	---	---	15	32	82	175	98	56	35
8	44	---	---	---	---	15	30	88	189	96	53	32
9	40	---	---	---	---	15	33	80	190	92	51	29
10	37	---	---	---	---	16	27	88	201	89	49	28
11	37	---	---	---	---	15	27	97	170	89	47	31
12	33	---	---	---	---	16	26	98	156	84	47	29
13	34	---	---	---	---	16	27	81	145	81	47	29
14	30	---	---	---	---	15	27	68	155	82	45	27
15	30	---	---	---	---	15	28	65	156	98	43	26
16	28	---	---	---	---	12	29	66	156	110	42	26
17	30	---	---	---	---	12	31	70	155	134	42	22
18	30	---	---	---	---	13	34	71	158	118	44	22
19	29	---	---	---	---	15	28	88	149	108	55	22
20	28	---	---	---	---	14	29	117	148	96	53	23
21	32	---	---	---	---	19	26	129	150	92	44	28
22	36	---	---	---	---	22	28	136	136	89	44	31
23	33	---	---	---	---	23	29	123	122	94	44	26
24	29	---	---	---	---	22	28	120	118	99	41	27
25	23	---	---	---	---	23	28	114	123	82	41	31
26	21	---	---	---	---	24	29	108	129	77	39	31
27	28	---	---	---	---	25	39	107	132	73	40	30
28	28	---	---	---	---	20	32	115	148	72	39	27
29	29	---	---	---	---	18	36	132	135	74	38	28
30	28	---	---	---	---	20	36	104	157	62	36	32
31	25	---	---	---	---	21	---	91	---	65	35	---
TOTAL	1,086	---	---	---	---	535	875	2,726	4,351	2,990	1,478	865
MEAN	35.0	---	---	---	---	17.3	29.2	87.9	145	96.5	47.7	28.8
MAX	56	---	---	---	---	25	39	136	201	146	64	36
MIN	21	---	---	---	---	12	22	33	89	62	35	22
AC-FT	2,150	---	---	---	---	1,060	1,740	5,410	8,630	5,930	2,930	1,720

06716100 WEST FORK CLEAR CREEK ABOVE MOUTH NEAR EMPIRE, CO

LOCATION.--Lat 39°45'32", long 105°39'34", in NE¹/₄SW¹/₄ sec.27, T.3 S., R.74 W., Clear Creek County, Hydrologic Unit 10190004, on left bank, 75 ft downstream from frontage road bridge and 1.2 mi east of Empire.

DRAINAGE AREA.--57.6 mi².

PERIOD OF RECORD.--October 1994 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06716100

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,235 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	22	e16	e16	e12	e14	e14	25	99	106	59	36
2	37	21	e15	e16	e11	e14	e17	25	95	100	60	35
3	39	22	e15	e17	e12	e15	e18	27	100	99	58	33
4	38	19	e14	e15	e12	e15	e15	34	113	95	55	33
5	38	20	e12	e12	e13	e14	e17	42	126	93	55	36
6	36	21	e14	e11	e14	e14	13	54	142	92	55	34
7	35	19	e12	e12	e14	e14	12	67	161	88	54	32
8	36	19	e14	e13	e14	e14	11	78	169	87	50	28
9	35	18	e13	e16	e14	e14	13	83	187	85	45	27
10	34	22	e15	e17	e15	e15	12	92	e189	83	43	26
11	36	22	e19	e15	e15	e14	14	98	174	80	45	28
12	35	19	e16	e15	e15	e15	13	97	156	78	47	26
13	33	19	e19	e16	e15	e14	11	93	147	76	45	24
14	32	20	e20	e16	e15	e13	12	86	149	77	43	21
15	32	e19	e17	e16	e15	e15	12	81	150	85	42	20
16	31	e16	e15	e15	e15	e13	12	78	150	90	39	22
17	31	e20	e20	e14	e15	e12	13	75	146	95	37	22
18	31	e17	e16	e12	e15	e13	15	75	148	92	41	23
19	29	e20	e15	e11	e15	e15	16	87	140	88	48	23
20	29	e16	e15	e13	e15	e14	20	102	135	88	47	24
21	28	e17	e15	e14	e15	e16	20	115	138	83	40	29
22	26	e15	e17	e14	e15	e17	21	122	123	79	40	29
23	22	e11	e14	e15	e15	e18	21	122	108	84	39	24
24	22	e17	e15	e12	e14	e19	21	122	103	86	36	25
25	19	e20	e15	e12	e15	e18	21	118	104	76	35	27
26	19	e19	e15	e12	e14	e19	17	115	105	73	34	27
27	25	e17	e13	e12	e14	e19	15	113	107	71	35	25
28	22	e19	e13	e13	e14	e16	18	119	111	74	38	23
29	19	e18	e14	e13	e13	e14	18	123	104	72	35	24
30	18	e16	e15	e12	---	e14	22	113	113	64	35	27
31	17	---	e15	e12	---	e14	---	106	---	62	36	---
TOTAL	922	560	473	429	410	465	474	2,687	3,992	2,601	1,371	813
MEAN	29.7	18.7	15.3	13.8	14.1	15.0	15.8	86.7	133	83.9	44.2	27.1
MAX	39	22	20	17	15	19	22	123	189	106	60	36
MIN	17	11	12	11	11	12	11	25	95	62	34	20
AC-FT	1,830	1,110	938	851	813	922	940	5,330	7,920	5,160	2,720	1,610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	30.2	22.6	18.2	15.6	14.9	15.5	22.7	127	305	179	81.1	43.2
MAX	41.5	30.1	26.1	23.5	20.1	20.0	35.2	199	504	395	199	66.5
(WY)	(2000)	(2001)	(1999)	(1999)	(2000)	(2002)	(2000)	(2000)	(1997)	(1995)	(1999)	(1999)
MIN	21.3	15.8	10.4	9.92	9.91	12.7	15.3	47.2	110	44.5	32.2	20.1
(WY)	(2003)	(2003)	(1995)	(1995)	(2003)	(1998)	(1995)	(1995)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1995 - 2004
ANNUAL TOTAL	24,325.7	15,197	
ANNUAL MEAN	66.6	41.5	73.0
HIGHEST ANNUAL MEAN			96.2
LOWEST ANNUAL MEAN			34.2
HIGHEST DAILY MEAN	642	Jun 1	720
LOWEST DAILY MEAN	e8.4	Feb 19	e8.4
ANNUAL SEVEN-DAY MINIMUM	e8.7	Feb 16	e8.7
MAXIMUM PEAK FLOW			855
MAXIMUM PEAK STAGE			5.44
ANNUAL RUNOFF (AC-FT)	48,250	30,140	52,920
10 PERCENT EXCEEDS	207	104	222
50 PERCENT EXCEEDS	25	21	27
90 PERCENT EXCEEDS	10	13	13

e Estimated.

a Maximum gage height, 6.67 ft, Jun 18, 1995, same site and datum.

06716500 CLEAR CREEK NEAR LAWSON, CO

LOCATION.--Lat 39°45'57", long 105°37'32", in NW¹/₄NW¹/₄ sec.25, T.3 S., R.74 W., Clear Creek County, Hydrologic Unit 10190004, at east edge of Lawson, on left bank, 30 ft downstream from private bridge, and 2.0 mi downstream from West Fork Clear Creek.

DRAINAGE AREA.--147 mi².

PERIOD OF RECORD.--March 1946 to September 1986; October 1994 to current year. Records prior to 1959 include inflow from August P. Gumlick Tunnel (formerly Jones Pass Tunnel). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06716500

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,080 ft above NGVD of 1929, from topographic map. Mar. 29, 1946 to Sept. 30, 1967, at site 1.5 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow affected by minor transmountain diversion from Colorado River Basin through Berthoud Pass Ditch (see elsewhere in this report).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	41	31	e29	26	26	29	50	193	258	118	65
2	79	41	30	e30	25	27	36	49	191	237	119	62
3	87	43	29	31	e25	27	39	55	208	229	119	60
4	82	37	27	e30	26	27	35	71	242	210	110	59
5	81	32	27	e27	e27	26	40	92	262	202	108	68
6	76	37	29	e25	e28	25	41	121	301	196	107	65
7	72	36	27	e25	e29	25	41	139	334	184	104	64
8	71	36	29	e27	e29	26	39	158	361	181	100	58
9	64	35	28	e29	e29	26	43	154	382	173	95	54
10	60	37	32	e30	e30	27	37	172	400	168	93	53
11	63	39	35	29	e30	26	38	190	346	165	93	58
12	57	31	29	29	e30	26	38	192	313	157	91	54
13	57	35	e33	29	e30	26	36	167	295	154	89	52
14	51	36	35	29	e30	25	37	145	305	154	85	48
15	51	34	29	30	e30	26	38	137	309	179	83	46
16	50	30	27	28	e30	22	38	135	307	196	79	48
17	50	34	35	27	e30	22	40	136	303	225	77	44
18	51	30	31	e25	e30	23	46	137	308	210	81	45
19	47	33	30	25	31	25	41	171	292	194	98	45
20	45	31	29	27	30	25	45	213	288	183	97	46
21	47	31	28	e27	30	27	42	240	292	173	81	55
22	52	27	30	e28	29	31	44	255	268	164	82	60
23	47	18	27	28	28	33	44	242	235	174	81	53
24	43	33	e28	26	28	34	44	241	224	183	74	54
25	38	42	28	26	29	34	45	234	227	156	74	59
26	36	37	27	e26	28	36	42	226	234	146	71	59
27	45	35	25	e26	28	37	50	224	238	139	72	57
28	43	39	e26	e27	28	31	43	235	265	140	75	53
29	41	38	e27	e27	27	28	47	259	241	142	70	56
30	38	31	e27	e27	---	28	50	224	276	120	67	63
31	35	---	e28	26	---	28	---	203	---	122	67	---
TOTAL	1,738	1,039	903	855	830	855	1,228	5,267	8,440	5,514	2,760	1,663
MEAN	56.1	34.6	29.1	27.6	28.6	27.6	40.9	170	281	178	89.0	55.4
MAX	87	43	35	31	31	37	50	259	400	258	119	68
MIN	35	18	25	25	25	22	29	49	191	120	67	44
AC-FT	3,450	2,060	1,790	1,700	1,650	1,700	2,440	10,450	16,740	10,940	5,470	3,300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2004, BY WATER YEAR (WY)

MEAN	60.5	43.0	33.8	28.9	27.6	28.1	43.3	198	592	392	169	89.5
MAX	132	79.9	52.2	41.0	37.3	39.0	89.1	431	1,000	943	404	193
(WY)	(1962)	(1985)	(2000)	(1971)	(2000)	(2000)	(1962)	(1958)	(1952)	(1957)	(1984)	(1984)
MIN	35.6	26.1	22.8	17.9	16.8	17.6	26.3	83.4	175	70.0	50.8	40.8
(WY)	(1957)	(2003)	(2003)	(2003)	(1955)	(1951)	(1964)	(1995)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1946 - 2004	
ANNUAL TOTAL	54,488		31,092			
ANNUAL MEAN	149		85.0		143	
HIGHEST ANNUAL MEAN					225	
LOWEST ANNUAL MEAN					60.0	
HIGHEST DAILY MEAN	1,370	Jun 1	400	Jun 10	1,660	Jun 17, 1965
LOWEST DAILY MEAN	16	Jan 24	18	Nov 23	13	Feb 20, 1955
ANNUAL SEVEN-DAY MINIMUM	e17	Jan 21	24	Mar 14	15	Feb 18, 1955
MAXIMUM PEAK FLOW			456	Jun 9	6,130	Jun 4, 1956
MAXIMUM PEAK STAGE			4.44	Jun 9	a7.41	Jun 4, 1956
ANNUAL RUNOFF (AC-FT)	108,100		61,670		103,500	
10 PERCENT EXCEEDS	501		226		406	
50 PERCENT EXCEEDS	49		44		50	
90 PERCENT EXCEEDS	19		27		25	

e Estimated.
a Site and datum then in use.

06717400 CHICAGO CREEK BELOW DEVILS CANYON, NEAR IDAHO SPRINGS, CO

LOCATION.--Lat 39°42'59", long 105°34'15", in NW¹/₄SW¹/₄ sec.9, T.4 S., R.73 W., Clear Creek County, Hydrologic Unit 10190004, on left bank, 50 ft upstream from Highway 103 bridge, 5.6 mi upstream from intersection of I-70 and Colorado Highway 103, and 3.2 mi southwest of Idaho Springs.

DRAINAGE AREA.--43.7 mi².

PERIOD OF RECORD.--October 1994 to September 1999. October 1999 to current year (seasonal records only). Records for May 14, 1996 (when gage was located 700 ft upstream) to April 10, 1998, may not be equivalent to other records because gage was moved upstream of inflow from Devils Canyon. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06717400

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,040 ft above NGVD of 1929, from topographic map. Prior to May 14, 1996, at site 150 ft downstream at different datum. May 14, 1996 to Apr. 10, 1998, at site 700 ft upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge 275 ft³/s (estimated), June 19, 1995, peak not determined; maximum instantaneous discharge, 183 ft³/s, May 31, 2003, gage height 5.79 ft; minimum daily, 0.30 ft³/s (estimated), Nov. 13, 14, 2000.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 68 ft³/s, June 30, gage height, 5.33 ft; minimum daily, 4.0 ft³/s, Mar. 28 and 31.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	6.4	e5.5	---	---	---	4.3	14	17	43	25	13
2	11	6.4	---	---	---	---	4.3	14	18	33	25	13
3	12	6.6	---	---	---	---	4.8	17	19	29	24	13
4	11	4.8	---	---	---	---	5.1	22	19	27	23	13
5	10	4.7	---	---	---	---	5.9	24	19	24	24	13
6	10	6.6	---	---	---	---	7.0	26	20	23	22	13
7	9.8	6.3	---	---	---	---	7.2	27	20	21	20	12
8	9.6	6.0	---	---	---	---	8.1	e25	20	20	19	12
9	9.5	5.8	---	---	---	---	8.7	25	21	19	19	13
10	9.4	5.8	---	---	---	---	6.8	27	21	19	18	13
11	9.2	5.9	---	---	---	---	7.4	28	19	18	18	13
12	8.7	5.7	---	---	---	---	7.5	25	18	17	17	12
13	9.3	5.9	---	---	---	---	8.7	22	17	16	16	12
14	7.0	5.9	---	---	---	---	9.7	20	16	16	15	12
15	9.0	5.7	---	---	---	---	10	21	15	19	15	12
16	9.3	4.9	---	---	---	---	10	21	17	26	15	12
17	8.9	5.9	---	---	---	---	11	21	e19	36	15	11
18	7.3	5.7	---	---	---	---	11	21	e22	35	16	7.0
19	7.1	6.3	---	---	---	---	10	23	19	e31	22	6.6
20	7.3	6.0	---	---	---	---	9.3	26	17	e30	19	6.5
21	7.3	e6.0	---	---	---	---	8.8	27	19	30	17	7.7
22	7.1	e5.9	---	---	---	---	8.0	25	19	32	16	7.6
23	7.1	e5.9	---	---	---	---	7.5	22	16	e42	15	7.7
24	6.5	e5.8	---	---	---	---	8.8	21	15	48	15	7.9
25	6.3	e5.7	---	---	---	5.9	8.9	21	18	40	14	8.5
26	6.2	e5.7	---	---	---	5.6	9.9	20	21	37	14	9.2
27	6.8	e5.7	---	---	---	5.3	12	19	22	35	15	8.1
28	6.6	e5.6	---	---	---	4.0	13	19	27	33	15	8.1
29	6.4	e5.6	---	---	---	4.3	13	22	24	35	14	8.4
30	6.5	e5.5	---	---	---	4.3	14	20	43	29	14	9.9
31	4.9	---	---	---	---	4.0	---	18	---	27	14	---
TOTAL	255.6	174.7	---	---	---	---	260.7	683	597	890	550	315.2
MEAN	8.25	5.82	---	---	---	---	8.69	22.0	19.9	28.7	17.7	10.5
MAX	12	6.6	---	---	---	---	14	28	43	48	25	13
MIN	4.9	4.7	---	---	---	---	4.3	14	15	16	14	6.5
AC-FT	507	347	---	---	---	---	517	1,350	1,180	1,770	1,090	625

e Estimated.

06718300 CLEAR CREEK ABOVE JOHNSON GULCH NEAR IDAHO SPRINGS, CO

LOCATION.--Lat 39°44'47", long 105°26'08", in NE¼SW¼ sec.34, T.3 S., R.72 W., Clear Creek County, Hydrologic Unit 10190004, on left bank 150 ft downstream from I-70 exit 243 bridge over Clear Creek, and 2 mi east of Idaho Springs.

DRAINAGE AREA.--267 mi².

PERIOD OF RECORD.--October 1994 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06718300

GAGE.--Water-stage recorder. Elevation of gage is 7,210 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	78	e52	e44	e41	e39	44	83	242	369	179	e101
2	130	80	e53	e46	e40	e41	55	83	239	329	182	e101
3	142	84	e51	e47	e40	e41	61	88	253	318	195	96
4	133	75	e50	e46	e41	e41	56	108	285	297	177	98
5	133	66	e49	e44	e41	e39	62	134	302	285	178	110
6	126	75	e49	e41	e42	e39	66	172	351	280	175	105
7	123	76	e47	e41	e43	e39	65	194	391	264	163	102
8	e120	74	e48	e43	e43	e39	65	213	438	259	159	96
9	115	72	e46	e44	e43	e40	70	210	462	249	150	93
10	110	75	e48	e46	e44	e41	64	227	484	241	146	91
11	116	77	e52	e45	e44	40	62	248	421	241	142	98
12	110	70	e47	e44	e44	41	65	252	370	228	146	92
13	110	75	e50	e44	e44	42	62	224	342	221	142	89
14	104	73	e51	e45	e44	40	65	204	349	217	137	85
15	104	e70	e47	e45	e44	41	66	192	366	259	133	85
16	102	e64	e44	e42	e44	36	66	191	374	297	128	86
17	99	e66	e54	e41	e44	36	70	195	373	329	116	81
18	99	e61	e51	e39	e44	38	76	191	388	332	125	79
19	95	e64	e48	e39	e44	40	69	225	363	299	168	79
20	93	e63	e46	e41	e43	41	71	271	351	285	154	80
21	96	e60	e45	e41	e43	44	69	301	358	266	132	93
22	99	e60	e48	e41	e42	48	71	314	332	254	126	100
23	92	e52	e45	e42	e42	53	71	295	293	283	126	90
24	86	e61	e44	e41	e42	55	71	293	279	304	114	91
25	78	e67	e45	e39	e42	54	73	289	285	260	112	107
26	72	e63	e44	e39	e42	55	70	276	300	238	109	107
27	83	e60	e41	e40	e42	57	79	274	307	229	117	103
28	80	e64	e41	e41	e42	49	78	279	346	223	122	99
29	81	e61	e41	e41	e40	43	79	309	316	224	114	99
30	75	e52	e42	e41	---	45	82	274	392	192	108	108
31	73	---	e43	e41	---	46	---	253	---	195	107	---
TOTAL	3,205	2,038	1,462	1,314	1,234	1,343	2,023	6,862	10,352	8,267	4,382	2,844
MEAN	103	67.9	47.2	42.4	42.6	43.3	67.4	221	345	267	141	94.8
MAX	142	84	54	47	44	57	82	314	484	369	195	110
MIN	72	52	41	39	40	36	44	83	239	192	107	79
AC-FT	6,360	4,040	2,900	2,610	2,450	2,660	4,010	13,610	20,530	16,400	8,690	5,640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004		
MEAN	100	64.3	48.5	41.5	39.8	44.7	73.8	338	785	513	255	147
MAX	126	83.6	62.6	54.6	54.7	58.8	106	549	1,325	1,398	526	213
(WY)	(1999)	(2000)	(2000)	(1996)	(2000)	(2000)	(2000)	(1996)	(1995)	(1995)	(1999)	(1999)
MIN	57.6	38.7	29.6	26.1	25.8	33.8	49.9	137	215	103	73.9	61.3
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(1995)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1995 - 2004
ANNUAL TOTAL	76,590	45,326	
ANNUAL MEAN	210	124	205
HIGHEST ANNUAL MEAN			326
LOWEST ANNUAL MEAN			79.2
HIGHEST DAILY MEAN	1,600	Jun 1	484
LOWEST DAILY MEAN	24	Feb 28	36
ANNUAL SEVEN-DAY MINIMUM	25	Jan 22	39
MAXIMUM PEAK FLOW			665
MAXIMUM PEAK STAGE			5.85
ANNUAL RUNOFF (AC-FT)	151,900	89,900	148,300
10 PERCENT EXCEEDS	702	294	550
50 PERCENT EXCEEDS	95	79	80
90 PERCENT EXCEEDS	26	41	37

e Estimated.

a Maximum gage height, 8.23 ft, Jun 17, 1995.

06718550 NORTH CLEAR CREEK ABOVE MOUTH NEAR BLACKHAWK, CO

LOCATION.--Lat 39°44'56", long 105°23'57", in NE¹/₄SW¹/₄ sec.36, T.3 S., R.72 W., Clear Creek County, Hydrologic Unit 10190004, on left bank 150 ft upstream from intersection of Hwy 6 and Hwy 119 bridge over North Clear Creek, 0.2 mi above mouth, and 6.5 mi southeast of Blackhawk.

DRAINAGE AREA.--60.2 mi².

PERIOD OF RECORD.--October 1994 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06718550

REVISED RECORDS.--WDR CO-03-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,910 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

**DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	e3.1	e3.0	e2.6	e2.2	e3.1	6.2	13	19	24	12	6.7
2	3.7	e3.4	e2.8	e2.6	e2.2	e3.1	6.4	15	18	18	11	6.7
3	4.0	e3.3	e2.7	e2.5	e2.2	e3.1	7.9	16	17	17	11	6.6
4	4.1	e3.3	e2.6	e2.4	e2.2	e3.2	7.0	16	16	17	9.8	6.6
5	3.9	e3.3	e2.6	e2.3	e2.2	e3.3	8.0	18	16	16	10	7.3
6	3.8	e3.3	e2.6	e2.3	e2.2	e3.5	8.6	22	16	16	11	7.0
7	3.6	e3.3	e2.6	e2.3	e2.2	3.6	8.6	28	15	16	9.7	6.6
8	3.7	e3.3	e2.5	e2.3	e2.2	4.0	8.8	29	15	15	9.7	6.4
9	e3.4	e3.5	e2.6	e2.3	e2.2	4.3	10	29	23	13	9.4	6.0
10	e3.4	e3.6	e2.8	e2.3	e2.2	4.5	9.3	29	22	13	9.1	6.0
11	e3.4	e3.6	e2.8	e2.3	e2.2	4.3	8.3	29	20	12	8.9	7.0
12	e3.3	e3.5	e2.8	e2.3	e2.1	4.3	8.9	29	20	11	9.4	6.5
13	e3.3	e3.4	e2.8	e2.2	e2.1	4.6	9.0	29	17	10	11	6.4
14	e3.3	e3.7	e3.0	e2.2	e2.2	4.5	9.5	29	15	10	11	6.1
15	e3.4	e3.6	e2.9	e2.2	e2.2	4.5	9.6	29	14	11	11	6.0
16	e3.5	e3.4	e3.0	e2.2	e2.2	4.2	9.9	28	13	22	9.7	6.0
17	e3.5	e3.4	e2.9	e2.2	e2.2	4.0	10	28	15	26	7.0	5.9
18	e3.6	e3.4	e2.4	e2.2	e2.5	4.3	11	26	19	23	11	5.9
19	e3.7	e3.5	e2.4	e2.2	e2.6	4.7	10	25	18	18	18	5.9
20	e3.8	e3.7	e2.6	e2.2	e2.5	5.0	10	25	16	18	13	5.9
21	e3.6	e3.7	e2.5	e2.2	e2.6	5.4	10	25	18	14	11	9.4
22	e3.8	e3.5	e2.2	e2.2	e2.6	5.8	11	26	18	16	10	8.1
23	e3.8	e3.5	e2.5	e2.2	e2.6	6.2	11	26	15	23	9.1	7.3
24	e3.8	e3.5	e2.5	e2.3	e2.7	7.1	11	26	14	22	7.3	7.0
25	e3.2	e3.6	e2.5	e2.3	e3.0	9.6	11	26	15	18	6.9	7.0
26	e3.1	e3.7	e2.5	e2.2	e2.8	9.6	11	25	15	15	6.7	8.0
27	e3.5	e3.6	e2.4	e2.2	e3.1	9.5	11	24	21	14	7.6	6.8
28	e3.4	e3.2	e2.4	e2.2	e3.0	8.3	13	22	23	14	9.1	6.7
29	e3.5	e3.0	e2.5	e2.3	e3.1	8.0	13	21	20	13	7.2	6.5
30	e3.5	e3.1	e2.5	e2.3	---	8.2	13	21	27	13	6.9	7.6
31	e3.2	---	e2.8	e2.3	---	8.1	---	20	---	13	7.0	---
TOTAL	110.3	103.0	81.7	70.8	70.3	165.9	292.0	754	530	501	301.5	201.9
MEAN	3.56	3.43	2.64	2.28	2.42	5.35	9.73	24.3	17.7	16.2	9.73	6.73
MAX	4.1	3.7	3.0	2.6	3.1	9.6	13	29	27	26	18	9.4
MIN	3.1	3.0	2.2	2.2	2.1	3.1	6.2	13	13	10	6.7	5.9
AC-FT	219	204	162	140	139	329	579	1,500	1,050	994	598	400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MEAN	5.53	4.33	3.51	3.07	3.09	5.15	14.3	67.7	69.4	19.2	14.1	6.67
MAX	12.3	8.09	6.42	4.92	5.79	8.46	24.5	112	228	49.7	50.8	13.3
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(1998)	(1995)	(1995)	(1995)	(1999)	(1999)
MIN	3.08	2.68	1.68	1.30	1.38	2.21	7.60	11.1	10.8	6.12	3.30	3.62
(WY)	(1995)	(1995)	(1995)	(1995)	(1995)	(1995)	(1995)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1995 - 2004
ANNUAL TOTAL	5,328.0	3,182.4	
ANNUAL MEAN	14.6	8.70	18.1
HIGHEST ANNUAL MEAN			35.6
LOWEST ANNUAL MEAN			5.50
HIGHEST DAILY MEAN	139	May 31	415
LOWEST DAILY MEAN	e1.8	Jan 15	e,a.0.00
ANNUAL SEVEN-DAY MINIMUM	e1.9	Jan 12	0.00
MAXIMUM PEAK FLOW			b759
MAXIMUM PEAK STAGE			5.87
ANNUAL RUNOFF (AC-FT)	10,570	6,310	13,080
10 PERCENT EXCEEDS	36	20	50
50 PERCENT EXCEEDS	3.9	6.1	5.8
90 PERCENT EXCEEDS	2.3	2.3	2.4

e Estimated.

a Also occurred Aug 8-12, 2000.

b From rating curve extended above 300 ft³/s.

06720500 SOUTH PLATTE RIVER AT HENDERSON, CO

LOCATION.--Lat 39°55'19", long 104°52'04", in SE¹/₄NE¹/₄ sec.34, T.1 S., R.67 W., Adams County, Hydrologic Unit 10190003, on right bank 500 ft upstream from bridge on State Highway 22, and 0.2 mi northwest of Henderson.

DRAINAGE AREA.--4,768 mi².

PERIOD OF RECORD.--May 1926 to current year. Prior to October 1933, monthly discharge only, published in WSP 1310. Statistical summary computed for 1976 to current year, subsequent to completion of Chatfield Dam. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06720500

REVISED RECORDS.--WSP 1310: 1934-36(M). WDR C0-88-1: 1986, WDR CO-03-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4999.12 ft above NGVD of 1929. See WSP 1710 or 1730 for history of changes prior to June 1, 1960. June 1, 1960, to May 10, 1969, water-stage recorder at site 1,200 ft upstream at datum 5.00 ft higher. May 11 to Oct. 2, 1969, nonrecording gage at site 500 ft downstream at datum 3.00 ft higher. Oct. 3, 1969 to Jan. 15, 1986, at present site, at datum 3.00 ft higher.

REMARKS.--Records good except for Oct. 15, May 21-22, June 30-July 1, July 24, which are fair, and estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, ground-water withdrawals, diversions for irrigation of about 253,000 acres, and return flow from irrigated areas.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	198	207	167	228	407	121	782	231	479	412	244
2	116	199	213	175	199	364	123	438	255	554	476	212
3	114	222	189	180	187	368	731	282	256	358	343	252
4	110	213	188	188	180	405	257	179	246	353	381	282
5	96	158	216	185	190	677	153	148	243	335	412	438
6	e122	151	195	170	190	491	202	152	357	429	599	341
7	e127	158	190	178	193	393	305	245	481	447	645	307
8	e127	152	199	181	197	378	385	322	377	405	664	270
9	e125	158	210	198	195	360	550	295	1,030	524	498	229
10	140	187	222	178	293	320	925	311	771	570	389	205
11	136	194	206	184	350	314	709	363	534	405	981	208
12	141	196	195	181	341	296	678	841	372	444	490	203
13	141	192	191	174	338	282	393	1,490	322	391	361	197
14	140	190	196	177	340	290	291	586	337	354	344	200
15	147	180	210	177	344	290	277	393	339	307	339	224
16	145	184	196	176	344	270	206	226	352	568	319	220
17	140	190	198	174	339	252	226	178	490	1,420	298	217
18	134	191	199	175	354	247	249	161	1,130	873	1,390	203
19	133	191	195	180	351	255	264	151	1,070	800	4,490	178
20	141	194	188	196	e436	243	216	179	477	547	786	177
21	138	193	183	189	e368	256	269	208	613	350	432	621
22	136	202	188	179	e387	226	422	199	806	311	303	860
23	139	198	187	175	e371	200	1,260	e230	386	991	296	426
24	144	209	188	174	e351	203	639	e260	319	2,370	350	338
25	150	212	165	174	343	194	311	260	307	e1,520	366	333
26	152	204	164	181	341	190	259	238	333	e453	345	356
27	158	209	177	189	339	155	206	213	530	304	1,430	373
28	161	185	170	195	329	158	195	197	e1,420	513	812	910
29	159	181	169	258	436	186	196	199	e675	829	305	379
30	160	184	172	254	---	172	478	253	505	725	247	281
31	187	---	186	247	---	158	---	226	---	491	262	---
TOTAL	4,276	5,675	5,952	5,809	8,854	9,000	11,496	10,205	15,564	19,420	19,765	9,684
MEAN	138	189	192	187	305	290	383	329	519	626	638	323
MAX	187	222	222	258	436	677	1,260	1,490	1,420	2,370	4,490	910
MIN	96	151	164	167	180	155	121	148	231	304	247	177
AC-FT	8,480	11,260	11,810	11,520	17,560	17,850	22,800	20,240	30,870	38,520	39,200	19,210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	345	329	296	319	320	362	520	1,050	1,201	787	631	372
MAX	1,835	1,268	554	592	642	842	1,732	3,923	4,796	3,204	2,074	1,141
(WY)	(1985)	(1985)	(1984)	(1984)	(1984)	(1983)	(1983)	(1980)	(1995)	(1995)	(1984)	(1984)
MIN	138	173	170	155	156	118	140	316	249	197	163	157
(WY)	(2004)	(1978)	(2003)	(1977)	(1977)	(1982)	(1982)	(2002)	(2002)	(2002)	(2002)	(1977)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	142,086		125,700			
ANNUAL MEAN	389		343		a545	
HIGHEST ANNUAL MEAN					1,379	
LOWEST ANNUAL MEAN					252	
HIGHEST DAILY MEAN	2,840	May 10	4,490	Aug 19	b6,500	Jun 9, 1995
LOWEST DAILY MEAN	96	Oct 5	96	Oct 5	c27	Apr 7, 1977
ANNUAL SEVEN-DAY MINIMUM	112	Sep 29	115	Oct 1	69	Mar 13, 1982
MAXIMUM PEAK FLOW			9,050	Aug 19	d12,300	Jun 27, 1983
MAXIMUM PEAK STAGE			9.98	Aug 19	f7.58	Jun 27, 1983
ANNUAL RUNOFF (AC-FT)	281,800		249,300		395,000	
10 PERCENT EXCEEDS	863		615		1,020	
50 PERCENT EXCEEDS	261		246		335	
90 PERCENT EXCEEDS	143		158		179	

e Estimated.

a Average discharge for 48 years (water years 1927-74), 366 ft³/s; 265,200 acre-ft/yr, prior to completion of Chatfield Dam.

b Maximum daily discharge for period of record, 13,200 ft³/s, May 7, 1973.

c Minimum daily discharge for period of record, 4.4 ft³/s, Apr 1, 1950.

d Maximum discharge and stage for period of record, 33,000 ft³/s, May 6, 1973, gage height, 11.67 ft, from rating curve extended above 7,200 ft³/s, partly on basis of flow-over-road measurement of peak flow; maximum gage height, 12.93 ft, Jun 17, 1965, site and datum then in use.

f Maximum gage height for statistical period, 9.98 ft, Aug 19, 2004.

06720820 BIG DRY CREEK AT WESTMINSTER, CO

LOCATION.--Lat 39°54'20", long 105°02'04", in NE¹/₄SE¹/₄ sec.6, T.2 S., R.68 W., Adams County, Hydrologic Unit 10190003, on left bank 0.75 mi upstream from bridge on 120th Ave., and 5.2 mi downstream from outlet of Standley Lake.

DRAINAGE AREA.--43.8 mi².

PERIOD OF RECORD.--July 1987 to September 1995, November 1996 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06720820

REVISED RECORDS.--WDR CO-91-1: Drainage area.

GAGE.--Water-stage recorder and concrete and steel v-notched control. Elevation of gage is 5,215 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow affected by storage diversions, ground-water withdrawals and diversions for irrigation and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	3.8	2.1	1.2	3.5	3.7	2.5	17	4.1	11	16	e70
2	2.9	3.7	2.8	1.1	3.1	2.4	4.1	5.4	1.2	3.2	16	e45
3	e2.8	3.5	2.7	1.2	2.4	1.9	23	2.8	1.1	2.1	14	e45
4	e2.7	2.8	2.6	1.3	2.3	1.9	34	2.1	0.99	8.6	12	e49
5	e2.7	2.9	5.6	1.0	3.1	23	8.1	2.0	1.0	17	13	e80
6	e2.3	3.4	3.7	0.88	3.0	6.6	2.4	1.5	0.76	12	13	e63
7	e2.2	2.9	2.0	1.4	3.0	3.9	2.6	1.4	0.86	12	13	e50
8	e2.1	2.9	2.3	2.3	2.5	2.2	7.5	1.3	1.3	12	12	e40
9	e1.8	2.9	4.7	2.3	1.7	1.6	24	1.6	15	12	11	e37
10	e1.0	1.8	3.8	1.5	1.9	1.4	45	1.3	6.5	12	22	e34
11	e1.0	2.4	2.2	1.3	1.9	1.4	17	1.1	5.4	11	42	e34
12	e0.96	2.5	1.9	1.2	1.7	1.2	19	35	2.4	11	12	e33
13	e0.52	2.8	1.7	0.93	1.8	1.2	6.2	59	3.0	9.6	4.8	e37
14	e0.87	2.7	1.8	1.0	1.9	1.2	3.2	23	17	9.1	4.0	e27
15	e0.60	2.9	2.0	1.0	2.9	1.2	2.4	5.3	15	9.8	2.5	e23
16	e2.0	2.7	2.1	0.94	2.9	1.5	3.0	3.1	18	57	2.2	e25
17	e2.1	2.5	1.6	0.92	3.0	1.1	1.9	3.1	22	74	2.3	e28
18	e3.3	2.4	1.5	0.90	3.2	0.47	1.3	2.3	55	14	55	e30
19	e3.2	2.4	1.6	0.85	2.4	1.3	1.1	2.4	10	5.4	156	e31
20	e4.5	2.4	1.5	1.7	8.5	1.4	1.8	3.7	4.7	3.2	13	e29
21	e3.9	2.4	1.6	1.7	4.3	1.3	4.7	2.3	40	2.7	18	e47
22	0.51	2.3	1.6	e3.3	3.7	0.95	28	4.5	14	2.8	16	e151
23	0.68	2.6	1.4	e2.7	7.4	0.52	54	1.8	4.5	312	15	e37
24	2.2	3.1	1.2	e2.5	4.3	1.4	17	1.6	2.7	145	15	e19
25	2.9	4.1	1.3	e2.6	2.3	1.6	9.4	3.3	4.8	22	18	e15
26	8.8	2.7	1.3	e2.1	2.0	1.6	6.4	18	15	7.6	22	e17
27	2.9	2.8	1.3	e1.9	2.0	1.7	20	55	15	5.8	e42	e11
28	2.2	3.1	1.3	e1.6	2.0	2.3	20	13	36	141	e30	e42
29	2.2	3.0	1.3	1.7	5.0	3.0	13	6.3	17	53	e30	e11
30	2.9	2.9	1.8	1.7	---	2.7	30	6.6	37	13	e93	14
31	4.3	---	1.2	2.1	---	4.7	---	6.6	---	17	e82	---
TOTAL	76.54	85.3	65.5	48.82	89.7	82.34	412.6	293.4	371.31	1,027.9	816.8	1,174
MEAN	2.47	2.84	2.11	1.57	3.09	2.66	13.8	9.46	12.4	33.2	26.3	39.1
MAX	8.8	4.1	5.6	3.3	8.5	23	54	59	55	312	156	151
MIN	0.51	1.8	1.2	0.85	1.7	0.47	1.1	1.1	0.76	2.1	2.2	11
AC-FT	152	169	130	97	178	163	818	582	736	2,040	1,620	2,330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	4.53	2.84	1.83	1.65	2.07	5.56	11.0	26.9	46.6	34.0	31.0	19.9
MAX	12.0	4.80	3.71	3.16	3.85	19.7	34.8	66.4	82.4	79.8	49.6	47.9
(WY)	(2000)	(2001)	(1998)	(1994)	(1993)	(2003)	(1998)	(2000)	(1999)	(1995)	(1999)	(1999)
MIN	1.55	1.33	0.88	0.76	1.00	1.30	1.52	9.46	5.32	3.60	5.17	2.64
(WY)	(1989)	(1989)	(1999)	(1995)	(1988)	(1989)	(1989)	(2004)	(2002)	(2003)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1987 - 2004
ANNUAL TOTAL	4,559.95	4,544.21	
ANNUAL MEAN	12.5	12.4	15.5
HIGHEST ANNUAL MEAN			25.2
LOWEST ANNUAL MEAN			3.79
HIGHEST DAILY MEAN	94	312	312
LOWEST DAILY MEAN	0.51	0.47	0.16
ANNUAL SEVEN-DAY MINIMUM	0.96	0.93	0.37
MAXIMUM PEAK FLOW		Not determined	674
MAXIMUM PEAK STAGE		6.80	a5.65
ANNUAL RUNOFF (AC-FT)	9,040	9,010	11,210
10 PERCENT EXCEEDS	45	34	47
50 PERCENT EXCEEDS	3.2	3.0	3.2
90 PERCENT EXCEEDS	1.4	1.2	1.1

e Estimated.

a Maximum gage height, 6.80 ft, July 23, 2004.

06720990 BIG DRY CREEK AT MOUTH NEAR FORT LUPTON, CO

LOCATION.--Lat 40°04'09", long 104°49'52", in NE¹/₄SE¹/₄ sec.12, T.1 N., R.67 W., Weld County, Hydrologic Unit 10190003, on right bank 1.0 mi west of State Highway 85, 1.1 mi south of State Highway 52, 1.2 mi southwest of Ft. Lupton.

DRAINAGE AREA.--107 mi².

PERIOD OF RECORD.--October 1991 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06720990

GAGE.--Water-stage recorder. Elevation of gage is 4,900 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	85	25	23	19	21	71	185	47	22	17	77
2	25	86	24	24	20	20	59	100	33	26	31	55
3	24	83	24	24	19	18	94	61	34	30	34	53
4	23	54	24	24	19	18	74	35	31	26	28	55
5	23	52	24	e30	19	22	66	45	42	38	44	87
6	21	47	26	e31	19	38	50	38	49	36	32	72
7	20	43	26	e32	18	25	50	29	55	24	40	62
8	17	41	26	e33	18	22	57	25	37	19	42	57
9	16	49	26	e37	20	20	84	23	16	31	40	52
10	15	43	26	e34	19	19	143	22	32	50	35	49
11	15	31	e27	e31	18	18	138	22	40	56	33	47
12	14	29	e28	e28	e18	18	96	31	33	66	e25	46
13	14	29	e27	26	e18	18	72	128	34	60	e24	49
14	14	43	21	25	e18	18	46	100	44	48	e24	40
15	13	63	23	25	19	19	50	38	38	36	e25	37
16	17	86	21	24	19	18	99	27	28	26	e25	39
17	19	54	22	25	19	18	103	30	31	91	e26	41
18	18	22	23	25	19	17	117	50	64	20	e100	46
19	21	22	23	25	20	17	140	32	76	21	e170	46
20	23	22	23	26	19	16	113	29	52	11	e60	45
21	28	22	24	26	21	15	90	27	54	9.2	e40	68
22	39	23	23	26	20	20	76	28	108	28	e45	181
23	45	e59	23	25	20	87	173	35	31	66	e42	48
24	52	e109	23	25	21	134	123	34	21	263	e39	28
25	62	e108	23	25	19	130	58	29	43	268	42	24
26	66	e62	23	e24	18	122	39	36	55	31	41	22
27	57	23	23	e22	18	120	34	43	59	23	48	21
28	64	22	22	20	18	98	42	51	65	37	41	135
29	71	24	22	20	19	123	38	58	18	225	42	125
30	73	24	22	19	---	107	85	66	16	59	103	64
31	71	---	22	19	---	71	---	61	---	15	88	---
TOTAL	1,006	1,460	739	803	551	1,427	2,480	1,518	1,286	1,761.2	1,426	1,771
MEAN	32.5	48.7	23.8	25.9	19.0	46.0	82.7	49.0	42.9	56.8	46.0	59.0
MAX	73	109	28	37	21	134	173	185	108	268	170	181
MIN	13	22	21	19	18	15	34	22	16	9.2	17	21
AC-FT	2,000	2,900	1,470	1,590	1,090	2,830	4,920	3,010	2,550	3,490	2,830	3,510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	37.8	30.0	23.6	24.7	22.7	35.0	57.1	56.7	51.2	49.9	41.7	45.3
MAX	64.3	48.7	35.2	46.0	34.6	66.7	82.7	93.8	117	111	75.1	67.0
(WY)	(1995)	(2004)	(1998)	(2001)	(2001)	(2003)	(2004)	(2001)	(1995)	(1995)	(1997)	(1993)
MIN	20.3	15.5	19.6	14.0	12.0	18.4	27.8	26.4	27.2	20.6	10.5	21.2
(WY)	(2002)	(2002)	(1994)	(1995)	(1995)	(1993)	(2002)	(1993)	(2002)	(2002)	(2002)	(2000)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	14,642.6		16,228.2			
ANNUAL MEAN	40.1		44.3		39.7	
HIGHEST ANNUAL MEAN					53.2	
LOWEST ANNUAL MEAN					24.1	
HIGHEST DAILY MEAN	285		268		454	
LOWEST DAILY MEAN	9.2		9.2		0.32	
ANNUAL SEVEN-DAY MINIMUM	12		14		3.6	
MAXIMUM PEAK FLOW			Not determined		541	
MAXIMUM PEAK STAGE			Not determined		9.04	
ANNUAL RUNOFF (AC-FT)	29,040		32,190		28,760	
10 PERCENT EXCEEDS	75		89		71	
50 PERCENT EXCEEDS	28		31		29	
90 PERCENT EXCEEDS	16		18		16	

e Estimated.

06721000 SOUTH PLATTE RIVER AT FORT LUPTON, CO

LOCATION.--Lat 40°06'58", long 104°49'05", in SW¹/₄SE¹/₄ sec.19, T.2 N., R.66 W., Weld County, Hydrologic Unit 10190003, on right bank 2 ft downstream from County Road 18 bridge, 3.0 mi downstream from Big Dry Creek, and 2.5 mi north of Fort Lupton.

DRAINAGE AREA.--5,044 mi².

PERIOD OF RECORD.--May to September 1906, April 1929 to September 1957, April 2003 to current year (seasonal records only). Prior to October 1933 monthly discharge only, published in WSP 1310. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06721000

REVISED RECORDS.--WDR CO-03-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,860 ft above NGVD of 1929, from topographic map. Oct. 3, 1947 to Sept. 30, 1957, water-stage recorder at site 3.9 mi upstream at different datum. See WSP 1730 for history of changes prior to Oct. 3, 1947.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow affected by transmountain diversions, storage reservoirs, ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,000 ft³/s, April 26, 1942, from rating curve extended above 6,700 ft³/s; maximum gage height, 7.57 ft, May 9, 1957, site and datum then in use; minimum daily, 4.4 ft³/s, October 29, 1956.

EXTREMES FOR CURRENT YEAR (seasonal only)--Maximum discharge, 6,440 ft³/s, Aug. 19, gage height 9.93 ft; minimum daily, 88 ft³/s, May 19 (estimated).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	e247	---	---	---	---	105	950	159	565	310	246
2	177	254	---	---	---	---	100	615	136	471	360	208
3	182	285	---	---	---	---	691	418	176	401	302	190
4	179	310	---	---	---	---	425	232	171	315	242	222
5	175	262	---	---	---	---	219	141	147	293	287	338
6	176	238	---	---	---	---	195	128	234	351	376	308
7	176	239	---	---	---	---	283	160	423	323	450	292
8	179	235	---	---	---	---	399	246	375	286	469	245
9	177	234	---	---	---	---	494	270	738	304	416	214
10	169	248	---	---	---	---	1,040	252	792	415	306	191
11	167	259	---	---	---	---	1,000	e300	527	281	769	181
12	192	257	---	---	---	---	840	e705	409	324	446	180
13	214	256	---	---	---	---	591	e1,480	288	301	313	177
14	219	250	---	---	---	---	408	e546	289	258	252	172
15	215	239	---	---	---	---	358	e333	274	221	257	187
16	190	243	---	---	---	---	230	e168	271	208	276	184
17	174	255	---	---	---	---	190	e112	417	1,000	256	186
18	166	253	---	---	---	---	212	e100	949	799	259	160
19	166	254	---	---	---	---	233	e88	1,150	751	4,300	152
20	173	253	---	---	---	---	209	e113	606	559	1,520	146
21	181	254	---	---	---	---	202	e142	588	377	748	199
22	177	258	---	---	---	---	412	e131	1,030	293	460	852
23	181	263	---	---	---	---	1,070	e139	557	534	379	507
24	181	267	---	---	---	---	1,060	e172	394	2,510	376	345
25	173	284	---	---	---	---	513	e177	311	1,880	393	304
26	177	268	---	---	---	---	395	156	304	780	332	343
27	184	283	---	---	---	---	269	143	290	431	734	289
28	201	272	---	---	---	---	219	137	1,230	414	1,170	811
29	201	262	---	---	---	---	196	147	822	916	423	570
30	211	261	---	---	---	---	308	179	611	787	292	390
31	e242	---	---	---	---	---	---	168	---	572	237	---
TOTAL	5,745	7,743	---	---	---	---	12,866	9,048	14,668	17,920	17,710	8,789
MEAN	185	258	---	---	---	---	429	292	489	578	571	293
MAX	242	310	---	---	---	---	1,070	1,480	1,230	2,510	4,300	852
MIN	166	234	---	---	---	---	100	88	136	208	237	146
AC-FT	11,400	15,360	---	---	---	---	25,520	17,950	29,090	35,540	35,130	17,430

e Estimated.

06725450 ST. VRAIN CREEK BELOW LONGMONT, CO

LOCATION.--Lat 40°09'30", long 105°00'48", in NW¹/₄NW¹/₄ sec.9, T.2 N., R.68 W., Weld County, Hydrologic Unit 10190005, on right bank 1,750 ft upstream from mouth of Boulder Creek, 1.8 mi downstream from Spring Gulch, and 4.7 mi southeast of Longmont.

DRAINAGE AREA.--424 mi².

PERIOD OF RECORD.--October 1976 to September 1982, August 1984 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06725450

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,852 ft, above NGVD of 1929, from topographic map. Prior to Aug. 15, 1984, at site 150 ft downstream at same datum. Aug. 15, 1984 to Oct. 1, 1997 at site 70 ft downstream at same datum. Oct. 2, 1997 to Apr. 18, 2000 at site 100 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	125	39	34	34	35	27	90	51	373	102	83
2	64	121	38	34	33	36	26	81	63	448	99	82
3	60	135	38	35	32	35	33	71	74	273	82	80
4	61	122	37	e35	36	39	31	66	76	210	75	71
5	63	122	37	e34	35	52	39	52	75	148	69	152
6	62	123	38	e35	35	41	48	45	62	146	74	97
7	57	119	37	e36	37	38	30	54	91	125	78	91
8	60	118	42	e38	34	37	31	50	67	97	80	98
9	64	117	42	36	35	34	50	52	109	96	80	93
10	59	118	39	35	34	42	107	52	174	87	84	97
11	61	92	43	34	35	46	61	49	86	84	111	103
12	66	44	48	34	35	45	64	108	77	79	92	105
13	63	42	47	33	37	45	46	e88	69	87	90	104
14	63	42	46	33	34	43	40	56	76	74	90	100
15	68	42	48	33	33	39	39	55	63	85	89	102
16	69	41	41	33	35	36	35	56	98	114	92	97
17	61	42	36	32	35	36	33	61	111	171	83	91
18	56	40	35	31	36	35	32	60	309	147	110	86
19	57	41	35	32	35	39	32	40	407	154	496	90
20	58	40	36	33	35	37	31	31	312	132	283	88
21	59	40	35	33	35	36	51	32	313	122	237	160
22	58	41	36	33	34	37	46	e50	302	175	200	164
23	57	41	36	33	35	39	53	49	177	497	174	115
24	56	41	36	33	34	58	37	83	126	698	110	106
25	54	41	35	32	33	75	35	113	146	408	119	106
26	54	40	33	e35	35	76	38	94	222	252	115	133
27	54	39	33	e37	34	69	37	76	298	161	101	131
28	55	37	33	33	34	66	48	81	394	170	114	155
29	53	38	34	33	37	69	83	83	163	143	111	113
30	52	39	35	32	---	49	103	72	247	121	106	156
31	94	---	34	33	---	30	---	62	---	109	99	---
TOTAL	1,883	2,083	1,182	1,047	1,006	1,394	1,366	2,012	4,838	5,986	3,845	3,249
MEAN	60.7	69.4	38.1	33.8	34.7	45.0	45.5	64.9	161	193	124	108
MAX	94	135	48	38	37	76	107	113	407	698	496	164
MIN	52	37	33	31	32	30	26	31	51	74	69	71
AC-FT	3,730	4,130	2,340	2,080	2,000	2,760	2,710	3,990	9,600	11,870	7,630	6,440

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	68.7	159	(1985)	44.8	(2003)	58.1	126	(1985)	34.5	(1979)	48.8	91.5	(1985)	30.8	(1979)
						43.9	92.8	(1980)	25.7	(1978)	43.1	94.0	(1980)	27.4	(2003)
						48.1	111	(1980)	28.9	(1982)	48.1	111	(1980)	27.5	(1982)
						83.3	275	(1998)	27.5	(1982)	83.3	275	(1998)	27.5	(1982)
						229	1,155	(1980)	35.8	(1977)	229	1,155	(1980)	35.8	(1977)
						348	1,227	(1995)	63.3	(1981)	348	1,227	(1995)	63.3	(1981)
						170	485	(1995)	71.0	(2002)	170	485	(1995)	71.0	(2002)
						141	246	(1999)	57.9	(2002)	141	246	(1999)	57.9	(2002)
						99.9	152	(1982)	53.7	(1977)	99.9	152	(1982)	53.7	(1977)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1977 - 2004
ANNUAL TOTAL	30,921	29,891	
ANNUAL MEAN	84.7	81.7	115
HIGHEST ANNUAL MEAN			257
LOWEST ANNUAL MEAN			51.3
HIGHEST DAILY MEAN	971	Jun 1	2,580
LOWEST DAILY MEAN	25	Feb 14	20
ANNUAL SEVEN-DAY MINIMUM	26	Feb 14	22
MAXIMUM PEAK FLOW			847
MAXIMUM PEAK STAGE		5.22	6.87
ANNUAL RUNOFF (AC-FT)	61,330	59,290	83,460
10 PERCENT EXCEEDS	150	147	198
50 PERCENT EXCEEDS	57	56	64
90 PERCENT EXCEEDS	28	33	35

e Estimated.

06730200 BOULDER CREEK AT NORTH 75TH STREET NEAR BOULDER, CO

LOCATION.--Lat 40°03'06", long 105°10'42", in SE¹/₄NW¹/₄ sec.13, T.1 N., R.70 W., Boulder County, Hydrologic Unit 10190005, on left bank, 50 ft downstream from bridge on North 75th Street, 0.2 mi downstream from Boulder feeder ditch, and 6 mi northeast of Boulder.

DRAINAGE AREA.--304 mi².

PERIOD OF RECORD.--October 1986 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06730200

GAGE.--Water-stage recorder with satellite telemetry, and grouted rock control. Elevation of gage is 5,106 ft above NGVD of 1929, from topographic map. Prior to Apr. 14, 2003, gage located at site 100 ft upstream at same datum.

REMARKS.--Records good, except for estimated daily discharges, which are poor. Flow is partially regulated by Barker Reservoir, and affected by Boulder feeder ditch, Boulder sewage treatment plant, and Public Service power plant. Starting about Feb. 2003, Boulder Sewage Treatment Plant moved its wastewater discharge point to site about 300 ft downstream from current gage location and the City of Lafayette began diversions for municipal supply upstream from gage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	4.5	3.6	3.1	5.0	7.1	24	112	49	138	6.1	8.9
2	9.7	2.5	3.2	3.0	4.8	8.8	34	104	35	98	15	20
3	6.7	7.3	2.8	3.3	4.4	7.7	61	98	55	66	30	34
4	9.7	6.8	3.0	3.5	4.5	8.8	34	98	84	46	19	40
5	8.8	3.8	3.0	e3.4	4.6	26	34	103	106	39	33	42
6	7.2	3.6	3.0	e3.9	4.9	17	44	113	109	55	57	37
7	6.6	3.4	3.4	e8.0	5.1	14	37	139	104	57	54	36
8	7.9	3.4	3.7	22	5.1	12	52	136	82	44	54	33
9	12	2.9	3.9	16	5.0	8.6	101	130	131	36	62	40
10	11	2.7	2.8	13	4.9	10	121	124	176	31	67	45
11	9.4	2.9	3.0	13	4.7	12	79	113	133	44	66	44
12	9.8	6.1	3.3	11	4.9	15	73	137	57	71	54	48
13	10	6.8	3.3	4.1	6.2	14	59	190	39	70	49	45
14	9.3	6.8	3.8	3.7	5.0	14	70	166	38	63	52	45
15	9.7	8.9	3.8	3.5	4.4	14	76	149	61	77	53	45
16	9.6	9.2	3.1	3.4	4.5	e14	88	116	81	100	52	40
17	9.8	8.6	3.1	3.4	4.4	14	96	113	103	140	46	33
18	9.0	3.1	3.0	3.4	4.1	17	113	e109	230	135	135	30
19	5.2	e3.2	3.0	3.4	4.3	19	99	e89	242	120	231	30
20	4.5	5.2	3.1	3.6	6.4	28	90	e83	201	143	78	e26
21	4.6	3.3	3.4	5.2	4.8	30	77	e96	197	102	48	59
22	6.5	2.8	3.4	7.3	4.4	31	109	102	168	92	35	73
23	8.0	2.7	3.3	3.8	4.6	34	130	102	88	263	e14	59
24	7.0	2.9	3.1	3.4	4.3	34	74	102	58	207	28	43
25	5.1	3.0	3.2	3.4	4.1	40	82	121	56	130	59	43
26	4.9	3.1	3.4	3.7	4.0	43	74	105	72	93	56	44
27	e4.8	3.2	3.3	3.9	3.8	39	72	85	131	59	43	42
28	e4.6	3.0	5.4	3.6	4.0	36	70	82	167	35	21	64
29	e4.5	3.3	3.6	3.5	5.9	29	84	92	139	25	14	32
30	e4.5	4.2	3.3	4.1	---	16	120	82	133	17	9.5	39
31	4.1	---	3.3	4.3	---	16	---	60	---	9.7	6.5	---
TOTAL	236.5	133.2	103.6	177.9	137.1	629.0	2,277	3,451	3,325	2,605.7	1,547.1	1,219.9
MEAN	7.63	4.44	3.34	5.74	4.73	20.3	75.9	111	111	84.1	49.9	40.7
MAX	12	9.2	5.4	22	6.4	43	130	190	242	263	231	73
MIN	4.1	2.5	2.8	3.0	3.8	7.1	24	60	35	9.7	6.1	8.9
AC-FT	469	264	205	353	272	1,250	4,520	6,850	6,600	5,170	3,070	2,420

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
	47.2	77.8	(1997)	7.63	(2004)
	50.4	81.7	(1998)	4.44	(2004)
	47.1	74.9	(1989)	3.34	(2004)
	43.9	68.3	(1987)	5.74	(2004)
	41.5	61.3	(1996)	4.73	(2004)
	47.2	90.6	(1998)	20.3	(2004)
	84.5	236	(1998)	37.4	(1989)
	186	465	(1995)	97.3	(2002)
	277	868	(1995)	86.0	(2002)
	194	492	(1995)	57.5	(2003)
	134	235	(1999)	49.9	(2004)
	71.4	111	(1995)	26.9	(2003)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	27,935.8		15,843.0			
ANNUAL MEAN	76.5		c43.3		102	
HIGHEST ANNUAL MEAN					198	
LOWEST ANNUAL MEAN					43.3	
HIGHEST DAILY MEAN	1,700	May 30	263	Jul 23	1,700	May 30, 2003
LOWEST DAILY MEAN	2.5	Nov 2	2.5	Nov 2	2.5	Nov 2, 2003
ANNUAL SEVEN-DAY MINIMUM	3.0	Nov 22	3.0	Nov 22	3.0	Nov 22, 2003
MAXIMUM PEAK FLOW			532		Jul 23	
MAXIMUM PEAK STAGE			4.04		Jul 23	
ANNUAL RUNOFF (AC-FT)	55,410		c31,420		74,140	
10 PERCENT EXCEEDS	172		113		210	
50 PERCENT EXCEEDS	28		22		60	
90 PERCENT EXCEEDS	3.3		3.3		31	

e Estimated.

a From rating curve extended above 500 ft³/s.

b Maximum gage height, 7.85 ft, May 17, 1995, site and datum then in use.

c Significantly affected by changes in water operations by Cities of Boulder and Lafayette that began about Feb 2003.

06730400 COAL CREEK NEAR LOUISVILLE, CO

LOCATION.--Lat 39°58'34", long 105°07'00", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.1 S., R.69 W., Boulder County, Hydrologic Unit 10190005, on left bank on upstream side of County Road 62 bridge, and 1.1 mi northeast of Louisville.

DRAINAGE AREA.--32.0 mi².

PERIOD OF RECORD.--July 1997 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06730400

REVISED RECORDS.--WDR CO-03-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,280 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by diversions for irrigation, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	0.55	0.88	0.73	0.75	0.54	0.72	3.7	0.82	2.6	0.88	1.5
2	1.1	0.51	0.79	0.84	0.71	0.58	0.83	3.4	0.88	2.4	0.86	1.4
3	1.0	0.72	0.62	0.84	0.44	0.53	1.5	3.1	0.87	2.6	1.1	1.4
4	0.93	0.60	0.54	0.67	0.34	0.58	0.89	2.7	0.80	2.9	0.99	1.3
5	0.89	0.47	0.45	0.38	0.30	1.1	1.1	2.6	0.88	3.1	0.79	3.2
6	0.81	0.42	0.56	0.35	0.46	0.58	1.2	2.5	0.84	2.8	1.1	1.2
7	0.72	0.43	0.71	0.57	0.70	0.65	1.1	2.4	0.78	2.4	0.84	0.70
8	0.63	0.41	0.67	0.75	0.64	0.78	1.5	2.4	0.91	2.5	0.82	0.61
9	0.65	0.47	0.53	0.64	0.53	0.82	2.9	2.3	1.1	2.2	0.78	0.41
10	0.62	0.51	0.47	0.71	0.52	0.78	3.3	2.3	1.2	2.4	2.9	0.41
11	0.48	1.0	0.38	0.71	0.46	0.75	1.5	2.3	2.7	2.4	2.4	0.61
12	0.35	1.4	0.33	0.69	0.33	0.82	1.7	5.2	2.3	2.3	1.2	0.63
13	0.35	1.3	0.31	0.71	0.42	0.80	1.5	2.6	1.5	2.3	0.89	0.70
14	0.37	1.6	0.43	0.92	0.46	0.66	1.4	1.3	1.1	2.5	0.73	0.59
15	0.32	1.5	0.54	0.95	0.55	0.59	1.4	2.0	1.1	2.5	0.67	0.47
16	0.32	1.3	0.43	0.95	0.59	0.52	1.5	2.4	1.6	7.0	0.56	0.48
17	0.38	1.0	0.53	0.94	0.55	0.55	1.6	2.6	2.2	2.8	0.55	0.54
18	0.46	0.75	0.50	0.85	0.70	0.66	1.5	1.9	5.0	1.5	15	0.56
19	0.55	0.95	0.42	0.89	0.74	0.74	1.4	1.4	1.3	1.3	13	0.76
20	0.61	1.1	0.41	1.0	0.84	0.78	1.4	1.4	1.4	1.2	2.2	1.1
21	0.59	1.00	0.63	1.00	0.71	0.77	1.4	1.2	3.6	1.2	2.7	2.9
22	0.60	0.72	0.57	0.94	0.68	0.80	11	1.6	1.2	1.6	2.5	1.2
23	0.61	0.48	0.34	0.95	0.75	0.82	9.8	1.6	1.7	15	2.6	0.89
24	0.60	0.58	0.27	1.1	0.58	0.88	4.2	1.5	1.2	8.9	2.6	1.0
25	0.43	0.62	0.33	0.99	0.59	0.93	5.9	1.4	1.0	3.5	2.5	1.2
26	0.32	0.60	0.35	0.89	0.52	0.80	4.0	1.2	1.4	2.3	2.0	1.4
27	0.34	0.47	0.24	0.90	0.52	0.69	3.4	1.1	15	1.9	2.6	3.7
28	0.36	0.43	0.19	0.91	0.52	0.46	3.5	1.2	2.8	2.3	2.6	4.4
29	0.59	0.65	0.20	0.93	0.76	0.50	2.2	1.1	9.6	2.2	2.4	1.2
30	0.76	0.85	0.47	0.87	---	0.58	6.2	0.88	4.0	1.6	2.2	1.6
31	0.56	---	0.61	0.77	---	0.67	---	0.79	---	1.2	1.8	---
TOTAL	18.90	23.39	14.70	25.34	16.66	21.71	81.54	64.07	70.78	93.4	74.76	38.06
MEAN	0.61	0.78	0.47	0.82	0.57	0.70	2.72	2.07	2.36	3.01	2.41	1.27
MAX	1.6	1.6	0.88	1.1	0.84	1.1	11	5.2	15	15	15	4.4
MIN	0.32	0.41	0.19	0.35	0.30	0.46	0.72	0.79	0.78	1.2	0.55	0.41
AC-FT	37	46	29	50	33	43	162	127	140	185	148	75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	2.29	1.97	1.66	1.41	1.31	2.53	11.0	11.5	6.35	2.79	3.92	1.99
MAX	3.85	3.42	3.23	2.45	2.44	6.17	36.1	34.9	13.2	4.25	14.5	3.10
(WY)	(1998)	(2000)	(2000)	(2000)	(2000)	(1998)	(1998)	(1999)	(1999)	(1999)	(1999)	(2000)
MIN	0.61	0.42	0.07	0.07	0.05	0.70	1.08	2.03	1.11	0.69	0.32	0.53
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1997 - 2004

ANNUAL TOTAL	867.57	543.31	
ANNUAL MEAN	2.38	1.48	4.02
HIGHEST ANNUAL MEAN			8.48
LOWEST ANNUAL MEAN			a1.48
HIGHEST DAILY MEAN	19	Apr 19	15
LOWEST DAILY MEAN	0.02	Jan 1	0.19
ANNUAL SEVEN-DAY MINIMUM	0.03	Feb 7	0.27
MAXIMUM PEAK FLOW			216
MAXIMUM PEAK STAGE			2.57
ANNUAL RUNOFF (AC-FT)	1,720	1,080	2,910
10 PERCENT EXCEEDS	6.8	2.7	7.8
50 PERCENT EXCEEDS	0.76	0.88	2.0
90 PERCENT EXCEEDS	0.06	0.44	0.48

a Also occurred 2004.

b Also occurred Aug 1, 7, 10-13, 22-23, 2002.

c From rating curve extended above 150 ft³/s.

06730500 BOULDER CREEK AT MOUTH NEAR LONGMONT, CO

LOCATION.--Lat 40°09'08", long 105°00'52", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.2 N., R.68 W., Weld County, Hydrologic Unit 10190005, on left bank 0.6 mi upstream from mouth, 1.0 mi downstream from State Highway 254, and 4.8 mi southeast of Longmont.

DRAINAGE AREA.--439 mi².

PERIOD OF RECORD.--March 1927 to September 1949, May 1951 to September 1955, October 1978 to September 1990, October 1991 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06730500

GAGE.--Water-stage recorder. Elevation of gage is 4,860 ft above NGVD of 1929, from topographic map. Prior to June 10, 1939, at site 0.8 mi upstream at different datum. June 10, 1939 to Sept. 30, 1949, at site 1.0 mi upstream, at different datum. May 1, 1951 to Sept. 30, 1955, at site 1.4 mi upstream, at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain, transbasin, and storage diversions, diversions for irrigation, water-treatment plants, and return flows from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	5.3	13	17	32	35	e42	e123	e63	119	11	8.8
2	5.7	11	13	16	34	38	e53	e116	e46	83	5.7	9.2
3	6.8	14	13	17	33	37	e80	e106	e5.0	43	5.8	9.4
4	6.6	18	13	e16	34	39	e51	e109	e105	19	6.2	11
5	6.3	14	13	e16	33	47	e51	e119	e116	10	6.0	36
6	6.6	13	13	e16	e33	52	e57	e132	21	12	6.0	18
7	5.3	20	14	e16	e34	48	e51	e159	20	15	4.8	12
8	4.5	28	15	e30	e35	45	e69	e152	13	7.1	6.5	13
9	4.2	27	16	e30	e35	40	e116	e142	26	6.6	5.4	13
10	3.8	25	18	e22	e35	39	e139	e135	66	6.4	5.3	13
11	3.2	19	19	19	33	41	e106	e125	46	7.2	23	14
12	3.5	22	21	19	e34	37	e83	e155	8.7	8.3	16	14
13	3.6	16	22	20	e37	27	e73	e202	5.7	7.4	e10	21
14	3.0	16	21	28	e35	23	e86	e187	6.3	7.5	e10	22
15	2.7	17	18	32	32	e23	e98	e175	8.6	6.5	e12	19
16	2.6	18	20	31	32	e41	e111	e147	17	9.9	e9.6	22
17	2.4	18	19	30	32	e38	e126	e130	40	93	e10	18
18	2.5	13	17	30	32	e43	e138	e120	201	35	e21	18
19	2.4	13	17	32	33	e46	e121	e108	230	20	e48	15
20	2.3	13	17	32	36	e49	e106	e93	133	12	e20	14
21	2.3	13	e15	33	37	e49	e96	e111	106	7.0	e14	35
22	2.5	13	e16	36	35	e55	e123	e118	144	8.1	e10	114
23	2.4	15	17	34	36	e56	e154	e118	55	123	e14	74
24	2.3	17	e17	31	35	e54	e107	e118	13	603	11	48
25	2.2	16	e16	31	33	e59	e97	e137	8.8	196	17	40
26	2.1	19	e15	33	32	e62	e86	e121	12	104	27	39
27	2.1	15	e16	38	32	e58	e80	e99	36	69	27	36
28	2.0	15	20	33	31	e54	e80	e96	249	41	29	196
29	1.9	14	19	32	33	e46	e100	e108	135	50	16	95
30	1.7	13	19	32	---	e33	e139	e97	190	37	11	77
31	1.7	---	19	31	---	e33	---	e80	---	21	8.8	---
TOTAL	106.1	490.3	521	833	978	1,347	2,819	3,938	2,126.1	1,787.0	427.1	1,074.4
MEAN	3.42	16.3	16.8	26.9	33.7	43.5	94.0	127	70.9	57.6	13.8	35.8
MAX	6.8	28	22	38	37	62	154	202	249	603	48	196
MIN	1.7	5.3	13	16	31	23	42	80	5.0	6.4	4.8	8.8
AC-FT	210	973	1,030	1,650	1,940	2,670	5,590	7,810	4,220	3,540	847	2,130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

	33.7	43.3	48.4	50.3	49.7	52.2	94.3	171	187	44.2	23.3	23.8
MEAN	33.7	43.3	48.4	50.3	49.7	52.2	94.3	171	187	44.2	23.3	23.8
MAX	127	109	93.8	104	120	148	581	1,101	976	367	164	440
(WY)	(1985)	(1998)	(1939)	(1980)	(1980)	(1983)	(1942)	(1942)	(1947)	(1983)	(1999)	(1938)
MIN	0.70	0.48	1.16	2.94	2.75	2.58	1.15	1.06	1.22	1.09	0.55	0.54
(WY)	(1955)	(1955)	(1940)	(1935)	(1935)	(1935)	(1954)	(1955)	(1954)	(1954)	(1954)	(1954)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1927 - 2004	
ANNUAL TOTAL	25,068.4		16,447.0			
ANNUAL MEAN	68.7		44.9		68.6	
HIGHEST ANNUAL MEAN					220	
LOWEST ANNUAL MEAN					3.93	
HIGHEST DAILY MEAN	1,170	May 31	603	Jul 24	2,300	Sep 3, 1938
LOWEST DAILY MEAN	1.7	Oct 30	1.7	Oct 30	a0.00	Dec 9, 1934
ANNUAL SEVEN-DAY MINIMUM	2.0	Oct 25	2.0	Oct 25	0.00	Apr 11, 1935
MAXIMUM PEAK FLOW			775	Jul 24	b4,410	Sep 3, 1938
MAXIMUM PEAK STAGE			3.77	Jul 24	6.94	Sep 3, 1938
ANNUAL RUNOFF (AC-FT)	49,720		32,620		49,720	
10 PERCENT EXCEEDS	186		118		126	
50 PERCENT EXCEEDS	22		27		35	
90 PERCENT EXCEEDS	5.5		6.0		2.0	

e Estimated.

a No flow at times many years.

b Site and datum then in use, from rating curve extended above 340 ft³/s, on basis of slope-area measurement of peak flow.

402114105350101 BIG THOMPSON RIVER BELOW MORAINES PARK NEAR ESTES PARK, CO

LOCATION.--Lat 40°21'14", long 105°35'01", in SE¹/₄SW¹/₄ sec.33, T.5 N., R.73 W., Larimer County, Hydrologic Unit 10190006, on left upstream wingwall of bridge at lower Moraine Park parking lot, in Rocky Mountain National Park, and 4.0 mi southwest of Estes Park.

DRAINAGE AREA.--39.8 mi².

PERIOD OF RECORD.--October 1995 to September 1997, April 2001 to current year. Hydrologic Benchmark Network water-quality site. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=402114105350101

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,005 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except for estimated daily discharges, which are poor. No diversion or regulation upstream from gage. Water-quality data has been collected at this site as part of the South Platte River Basin National Water-Quality Assessment Program and is available at http://waterdata.usgs.gov/co/nwis/inventory/?site_no=402114105350101

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	6.0	e6.6	e3.4	e2.7	e2.8	e18	26	87	215	64	26
2	12	7.1	e6.4	e3.4	e2.7	e2.8	e19	25	93	173	67	25
3	15	7.7	e6.3	e3.4	e2.7	e2.8	e19	35	143	149	70	23
4	14	6.6	e6.3	e3.4	e2.7	e2.9	e18	60	200	130	59	24
5	13	7.1	e6.1	e3.2	e2.7	e2.9	e22	93	205	123	56	32
6	12	8.0	e5.9	e3.1	e2.7	e3.0	e22	130	241	128	53	32
7	11	7.6	e5.8	e3.1	e2.7	e3.2	e22	148	261	116	49	29
8	11	7.3	e6.0	e3.1	e2.7	e3.6	e23	151	279	124	45	25
9	11	7.1	e6.2	e3.1	e2.7	e4.1	e24	140	259	121	43	23
10	11	e7.5	e6.2	e3.1	e2.7	e4.5	e23	156	277	127	39	22
11	12	e7.8	e6.3	e3.1	e2.7	e4.4	e23	171	194	122	37	26
12	10	e7.8	e6.0	e2.9	e2.7	e4.5	e22	146	146	115	35	24
13	10	e7.9	e6.1	e2.9	e2.7	e5.2	e22	99	132	116	32	23
14	9.0	e7.8	e6.2	e2.9	e2.7	e5.4	e22	79	146	118	30	25
15	9.2	e7.7	e6.4	e2.9	e2.7	e5.5	24	67	165	152	29	25
16	8.8	e7.3	e6.4	e2.9	e2.7	e5.6	23	63	174	176	28	22
17	8.7	e7.8	e6.3	e2.8	e2.7	e5.9	25	65	171	148	28	20
18	8.9	e7.4	e6.3	e2.8	e2.7	e6.3	32	79	235	131	32	20
19	8.6	e7.1	e6.0	e2.8	e2.7	e6.8	28	124	228	120	56	19
20	8.4	e7.8	e5.6	e2.8	e2.8	e7.8	25	162	202	127	51	24
21	7.7	e7.5	e5.4	e2.8	e2.8	e9.0	24	172	202	129	59	32
22	7.0	e7.5	e5.1	e2.8	e2.9	e11	23	167	167	137	54	36
23	6.9	e7.4	e4.8	e2.8	e2.9	e13	21	129	141	144	45	34
24	6.5	e7.2	e4.5	e2.8	e2.9	e14	22	116	137	156	39	35
25	5.8	e7.0	e4.3	e2.8	e2.8	e15	23	112	137	127	34	39
26	5.1	e7.0	e4.0	e2.8	e2.8	e16	22	111	158	90	31	40
27	6.7	e7.0	e3.8	e2.8	e2.8	e14	27	111	169	82	42	37
28	5.8	e6.8	e3.6	e2.8	e2.8	e13	35	136	163	79	43	37
29	5.8	e6.6	e3.5	e2.8	e2.8	e14	33	167	156	76	34	36
30	6.0	e6.6	e3.5	e2.8	---	e14	29	123	204	69	29	41
31	3.8	---	e3.5	e2.7	---	e16	---	99	---	68	28	---
TOTAL	281.7	219.0	169.4	91.8	79.6	239.0	715	3,462	5,472	3,888	1,341	856
MEAN	9.09	7.30	5.46	2.96	2.74	7.71	23.8	112	182	125	43.3	28.5
MAX	15	8.0	6.6	3.4	2.9	16	35	172	279	215	70	41
MIN	3.8	6.0	3.5	2.7	2.7	2.8	18	25	87	68	28	19
AC-FT	559	434	336	182	158	474	1,420	6,870	10,850	7,710	2,660	1,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
MEAN	13.8	9.14	5.70	3.46	3.23	4.99	17.7	124	233	100	53.1	29.8
MAX	20.9	12.1	6.82	4.68	4.36	7.71	24.0	162	399	133	111	61.8
(WY)	(1997)	(1997)	(1997)	(1997)	(1996)	(2004)	(2003)	(2003)	(1997)	(1997)	(1997)	(1997)
MIN	9.09	7.30	4.21	2.56	2.46	2.26	8.06	53.2	95.8	37.9	18.8	12.6
(WY)	(2004)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1996 - 2004
ANNUAL TOTAL	20,939.3	16,814.5	
ANNUAL MEAN	57.4	45.9	51.9
HIGHEST ANNUAL MEAN			77.0
LOWEST ANNUAL MEAN			21.5
HIGHEST DAILY MEAN	663	May 30	663
LOWEST DAILY MEAN	e2.5	Feb 23	e2.0
ANNUAL SEVEN-DAY MINIMUM	e2.5	Feb 23	e2.1
MAXIMUM PEAK FLOW		380	828
MAXIMUM PEAK STAGE		5.83	6.86
ANNUAL RUNOFF (AC-FT)	41,530	33,350	37,620
10 PERCENT EXCEEDS	180	147	154
50 PERCENT EXCEEDS	12	17	13
90 PERCENT EXCEEDS	2.8	2.8	2.9

e Estimated.

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

LOCATION.--Lat 40°25'18", long 105°13'34", in SW¹/₄SW¹/₄ sec.3, T.5 N., R.70 W., Larimer County, Hydrologic Unit 10190006, on right bank at mouth of canyon, 400 ft upstream from Handy Ditch diversion dam, and 6.0 mi east of Drake.

DRAINAGE AREA.--305 mi².

PERIOD OF RECORD.--August 1887 to September 1892, May 1895 to September 1903, October 1926 to September 1933 (no winter records prior to October 1932, except water years 1927-28), April 1938 to September 1949, March 1951 to current year. Monthly discharge only for some periods, published in WSP 1310. Published as Big Thompson Creek at Arkins 1887-92, Big Thompson Creek near Arkins 1901-3, and as Thompson River at mouth of canyon, near Drake 1927-30, 1938-47. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06738000

REVISED RECORDS.--WSP 1310: 1891, 1927. WSP 1730: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Datum of gage is 5,305.47 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation). Oct. 1, 1949 to Sept. 18, 1977, at present site, datum 8.00 ft lower, Sept. 19, 1977 to July 27, 1980, at present site, datum 7.37 ft lower. See WSP 1710 or 1730 for history of changes prior to Oct. 1, 1949.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation. Diversions from Colorado River Basin to Big Thompson River Basin upstream from station through Alva B. Adams Tunnel began Aug. 10, 1947; since Apr. 15, 1953, this imported water has been diverted from Lake Estes through Olympus Tunnel bypassing this station. Part of the natural flow of the Big Thompson River has also been diverted through Olympus Tunnel since May 17, 1955, and Dille Tunnel since Apr. 20, 1959, and may be returned to the river just downstream from this station.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,200 ft³/s, July 31, 1976, gage height, 19.86 ft from floodmarks, from slope-area measurements of peak flow; no flow at times in 1976 (all flow above station diverted through Olympus and Dille Tunnels after flood of July 31, 1976), 1979-80 (all flow above station diverted through Dille Tunnel).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 694 ft³/s, July 25, gage height, 3.87 ft; minimum daily, 25 ft³/s, Mar. 7.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	240	e27	e29	e29	e31	40	105	63	177	50	69
2	37	271	e28	e29	e28	e32	45	116	57	213	50	69
3	40	270	e28	e29	e27	e32	49	110	57	198	46	68
4	39	270	e28	e29	e29	e30	60	104	62	139	43	66
5	44	272	e28	e29	e29	28	68	110	102	77	50	118
6	44	267	e28	e29	e29	26	76	71	107	66	53	82
7	49	123	e28	e29	e28	25	88	53	155	71	52	62
8	49	35	e27	e30	e29	27	94	49	180	68	162	61
9	49	31	e29	e29	e29	28	101	55	248	64	101	61
10	50	36	e29	e29	e29	28	84	53	257	56	52	61
11	48	32	e29	e29	e29	27	67	56	273	275	54	61
12	49	34	e30	e29	e29	29	72	62	238	143	50	59
13	52	29	e29	e30	e28	29	75	55	122	46	45	95
14	51	30	e29	e30	e27	30	77	53	77	48	47	225
15	54	28	e29	e31	e27	31	76	57	82	51	57	350
16	53	28	e29	e29	e27	29	76	66	82	70	53	459
17	52	30	e29	e29	e30	28	76	76	95	94	55	489
18	52	27	e29	e31	e30	28	76	80	123	76	91	355
19	50	28	e29	e31	e30	28	73	80	164	71	181	303
20	53	30	e29	e30	e29	30	71	66	171	72	122	284
21	52	28	e29	e30	e29	31	72	118	152	64	88	292
22	49	27	e31	e31	e29	31	76	99	121	87	229	313
23	48	e29	e31	e31	e29	32	74	81	107	182	131	330
24	51	e28	e31	e31	e30	33	70	80	78	361	48	345
25	47	e29	e31	e31	e29	37	73	89	56	574	37	347
26	46	e29	e31	e31	e30	40	72	70	86	299	45	340
27	40	e29	e31	e31	e30	40	72	60	376	118	77	329
28	101	e30	e31	e31	e31	39	73	59	200	82	79	311
29	152	e28	e48	e31	e32	38	72	62	105	81	70	237
30	240	e27	e31	e31	---	40	73	74	148	61	60	236
31	181	---	e30	e30	---	39	---	78	---	46	69	---
TOTAL	1,966	2,395	926	929	841	976	2,171	2,347	4,144	4,030	2,347	6,477
MEAN	63.4	79.8	29.9	30.0	29.0	31.5	72.4	75.7	138	130	75.7	216
MAX	240	272	48	31	32	40	101	118	376	574	229	489
MIN	37	27	27	29	27	25	40	49	56	46	37	59
AC-FT	3,900	4,750	1,840	1,840	1,670	1,940	4,310	4,660	8,220	7,990	4,660	12,850
CAL YR	2003	TOTAL 31231	MEAN 85.6	MAX 994	MIN 24	AC-FT 61950						
WTR YR	2004	TOTAL 29549	MEAN 80.7	MAX 574	MIN 25	AC-FT 58610						

e Estimated.

06741510 BIG THOMPSON RIVER AT LOVELAND, CO

LOCATION.--Lat 40°22'43", long 105°03'38", in SE¹/₄SE¹/₄ sec.24, T.5 N., R.69 W., Larimer County, Hydrologic Unit 10190006, on right bank 690 ft downstream from county road bridge C-13, 1.7 mi south of sugar refinery in Loveland, and 1.9 mi downstream from Farmers Ditch Diversion.

DRAINAGE AREA.--535 mi².

PERIOD OF RECORD.--July 1979 to current year. For a complete listing of historical data available for this site see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06741510

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,906 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	226	3.9	3.3	3.9	9.6	3.9	90	81	270	82	65
2	11	274	3.6	3.4	3.6	10	5.5	83	84	230	79	62
3	12	282	3.5	3.9	3.6	9.9	7.1	75	79	113	66	62
4	13	275	3.3	3.5	3.8	10	7.6	78	76	116	58	68
5	18	288	3.3	3.8	3.7	9.9	7.6	81	86	106	62	77
6	13	282	3.3	4.6	3.6	7.8	8.0	83	84	103	62	50
7	15	181	3.3	4.1	3.6	7.7	8.7	97	86	92	56	45
8	16	16	3.8	3.7	3.1	8.3	9.9	121	93	77	52	56
9	22	9.5	3.4	4.0	3.0	8.6	12	124	117	73	46	64
10	23	6.8	3.1	4.6	3.0	8.6	17	97	116	82	47	87
11	25	6.1	3.0	6.6	3.0	8.6	8.5	94	97	84	54	97
12	25	5.8	2.9	6.9	3.0	8.7	8.5	103	95	72	54	86
13	21	6.2	2.8	3.8	2.9	7.8	7.0	101	97	75	53	85
14	18	5.9	2.8	3.6	2.9	6.7	5.9	84	83	76	57	86
15	24	6.3	3.0	3.6	3.3	5.0	8.3	80	90	78	57	71
16	27	6.4	2.9	3.6	3.3	5.0	19	61	95	105	54	75
17	26	6.6	4.3	3.6	3.0	5.5	15	54	109	139	61	58
18	28	6.5	3.3	3.6	3.1	6.0	24	61	211	102	96	62
19	27	5.0	3.1	3.6	3.4	5.5	58	63	185	107	142	56
20	27	3.7	3.1	3.6	3.5	4.9	69	69	87	116	31	45
21	27	5.0	3.1	3.6	3.3	4.6	75	94	89	104	24	60
22	26	5.4	3.3	3.6	3.3	4.6	87	87	59	168	39	54
23	25	5.3	3.1	3.6	3.3	4.6	71	83	52	244	73	40
24	25	5.3	3.2	3.6	3.3	4.5	57	80	49	494	85	45
25	26	4.7	3.3	3.7	4.6	4.0	63	102	57	224	61	47
26	25	3.2	3.3	3.7	13	4.0	66	85	102	54	49	34
27	22	2.9	3.1	3.6	12	4.4	74	77	219	67	67	29
28	56	2.9	3.2	3.6	10	3.9	79	79	208	77	57	40
29	152	3.6	3.3	3.6	9.9	3.6	88	80	93	139	43	19
30	227	3.9	3.3	3.6	---	4.1	100	89	94	138	44	49
31	215	---	3.3	4.1	---	4.1	---	87	---	90	55	---
TOTAL	1,238	1,941.0	101.2	121.7	129.0	200.5	1,070.5	2,642	3,073	4,015	1,866	1,774
MEAN	39.9	64.7	3.26	3.93	4.45	6.47	35.7	85.2	102	130	60.2	59.1
MAX	227	288	4.3	6.9	13	10	100	124	219	494	142	97
MIN	11	2.9	2.8	3.3	2.9	3.6	3.9	54	49	54	24	19
AC-FT	2,460	3,850	201	241	256	398	2,120	5,240	6,100	7,960	3,700	3,520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

	MEAN	30.5	22.3	12.3	16.1	15.9	12.5	41.9	207	272	114	74.3	37.7
MAX	111	95.8	51.9	95.5	129	61.4	292	2,078	1,493	418	153	83.9	
(WY)	(1998)	(1985)	(1998)	(1998)	(1998)	(1998)	(1980)	(1980)	(1983)	(1995)	(1981)	(1982)	
MIN	6.15	3.10	2.86	2.55	2.42	2.19	3.49	4.07	25.0	29.9	29.0	16.6	
(WY)	(1988)	(2001)	(1993)	(1994)	(1993)	(1996)	(2001)	(1981)	(1982)	(1987)	(1997)	(1990)	

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1979 - 2004

ANNUAL TOTAL	12,456.51		18,171.9		71.6	
ANNUAL MEAN	34.1		49.6		27.0	
HIGHEST ANNUAL MEAN					321	
LOWEST ANNUAL MEAN					27.0	
HIGHEST DAILY MEAN	326		494		4,240	
LOWEST DAILY MEAN	0.48		2.8		0.48	
ANNUAL SEVEN-DAY MINIMUM	2.4		2.9		0.89	
MAXIMUM PEAK FLOW			577		6,970	
MAXIMUM PEAK STAGE			3.62		a,b10.10	
ANNUAL RUNOFF (AC-FT)	24,710		36,040		51,880	
10 PERCENT EXCEEDS	87		103		123	
50 PERCENT EXCEEDS	7.8		25		18	
90 PERCENT EXCEEDS	2.7		3.3		3.3	

a From high-water mark.

b Maximum gage height, 10.48 ft, Apr 30, 1999.

06746095 JOE WRIGHT CREEK ABOVE JOE WRIGHT RESERVOIR, CO

LOCATION.--Lat 40°32'24", long 105°52'56", in SE¹/₄SE¹/₄ sec.26, T.7 N., R.76 W., Larimer County, Hydrologic Unit 10190007, on left bank 150 ft downstream from unnamed tributary and Colorado Highway 14 culvert crossing, 1.5 mi northeast of Cameron Pass, 1.5 mi southwest of Joe Wright Dam, and 8 mi east of Gould.

DRAINAGE AREA.--3.01 mi².

PERIOD OF RECORD.--October 1978 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06746095

GAGE.--Water-stage recorder. Elevation of gage is 9,990 ft above NGVD of 1929, from topographic map. Prior to Aug. 7, 1989, at datum 3.40 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.6	e1.9	e1.4	e1.3	e1.00	e0.85	e1.5	e2.6	e7.2	11	8.9	8.4
2	e3.6	e1.9	e1.4	e1.3	e0.99	e0.84	e1.6	e2.6	e8.2	9.2	8.6	7.9
3	e3.5	e1.9	e1.4	e1.3	e0.99	e0.84	e1.4	e3.0	e8.7	8.4	8.1	7.6
4	e3.3	e1.8	e1.4	e1.3	e0.98	e0.83	e1.5	e3.5	e16	8.1	7.6	9.2
5	e3.2	e1.8	e1.4	e1.3	e0.98	e0.83	e1.6	e4.2	e23	7.6	7.2	9.0
6	e3.1	e1.7	e1.4	e1.3	e0.98	e0.82	e1.8	e5.0	e27	7.0	6.8	7.8
7	e2.8	e1.7	e1.3	e1.2	e0.98	e0.81	e1.8	e5.6	e34	6.3	6.5	7.1
8	e2.7	e1.7	e1.3	e1.2	e0.97	e0.81	e1.8	e5.6	e39	5.8	6.2	6.8
9	e2.7	e1.7	e1.3	e1.2	e0.97	e0.81	e2.0	e6.0	e42	5.5	5.8	6.4
10	e3.0	e1.6	e1.3	e1.2	e0.97	e0.80	e2.0	e7.2	41	5.1	5.5	7.2
11	3.4	e1.6	e1.3	e1.1	e0.96	e0.80	e1.8	e7.7	36	4.7	5.4	7.4
12	3.0	e1.5	e1.3	e1.1	e0.95	e0.79	e1.8	e6.7	33	4.3	5.6	6.4
13	3.1	e1.5	e1.3	e1.1	e0.95	e0.79	e1.8	e6.2	31	4.1	5.4	6.9
14	e3.0	e1.5	e1.3	e1.1	e0.93	e0.79	e1.8	e6.0	34	4.3	5.4	6.8
15	e2.8	e1.5	e1.3	e1.1	e0.93	e0.79	e1.9	e6.0	38	4.7	5.3	6.2
16	2.8	e1.5	e1.3	e1.1	e0.93	e0.79	e2.1	e7.5	37	17	5.1	5.7
17	2.7	e1.5	e1.3	e1.1	e0.91	e0.81	e2.3	e8.7	41	22	5.7	5.6
18	2.6	e1.4	e1.3	e1.1	e0.91	e0.86	e2.4	e9.2	44	20	9.8	5.3
19	2.5	e1.4	e1.3	e1.1	e0.91	e0.86	e2.2	e10	38	18	15	5.6
20	2.5	e1.4	e1.3	e1.1	e0.90	e0.94	e2.1	e13	36	18	13	7.4
21	2.4	e1.4	e1.3	e1.1	e0.89	e0.99	e2.1	e13	38	17	12	7.8
22	2.3	e1.4	e1.3	e1.1	e0.89	e1.2	e2.0	e12	34	16	11	7.2
23	2.2	e1.4	e1.3	e1.1	e0.87	e1.3	e2.0	e10	31	15	10	6.8
24	2.2	e1.4	e1.3	e1.0	e0.87	e1.4	e2.1	e9.0	31	14	9.7	8.0
25	e2.2	e1.4	e1.3	e1.0	e0.87	e1.4	e2.3	e8.0	31	13	9.4	8.3
26	e2.1	e1.4	e1.3	e1.0	e0.86	e1.4	e2.5	e7.4	26	13	9.6	8.2
27	e2.1	e1.4	e1.3	e1.0	e0.86	e1.2	e2.5	e8.8	11	12	13	8.2
28	2.1	e1.4	e1.3	e1.0	e0.86	e1.2	e2.6	e11	10	11	11	8.1
29	2.2	e1.4	e1.3	e1.0	e0.85	e1.3	e2.5	e10	10	11	9.8	8.0
30	2.1	e1.4	e1.3	e1.0	---	e1.3	e2.6	e8.7	13	10	9.2	8.9
31	e2.0	---	e1.3	e1.0	---	e1.4	---	e7.5	---	9.3	8.8	---
TOTAL	83.8	46.5	40.9	34.9	26.91	30.55	60.4	231.7	849.1	332.4	260.4	220.2
MEAN	2.70	1.55	1.32	1.13	0.93	0.99	2.01	7.47	28.3	10.7	8.40	7.34
MAX	3.6	1.9	1.4	1.3	1.0	1.4	2.6	13	44	22	15	9.2
MIN	2.0	1.4	1.3	1.0	0.85	0.79	1.4	2.6	7.2	4.1	5.1	5.3
AC-FT	166	92	81	69	53	61	120	460	1,680	659	517	437

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	2.92	1.51	1.06	0.87	0.75	0.73	1.16	14.4	52.5	26.0	8.35	4.51
MAX	10.5	3.51	2.50	2.39	1.79	1.50	3.39	34.6	92.6	90.8	21.5	17.3
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1994)	(1994)	(1994)	(2003)	(1995)	(1995)	(1997)
MIN	0.54	0.36	0.28	0.25	0.20	0.20	0.39	3.58	25.5	2.35	0.82	0.59
(WY)	(1981)	(1979)	(1981)	(1981)	(1979)	(1979)	(1979)	(1982)	(1989)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	5,490.54		2,217.76			
ANNUAL MEAN	15.0		6.06		9.58	
HIGHEST ANNUAL MEAN					16.9	
LOWEST ANNUAL MEAN					4.42	
HIGHEST DAILY MEAN	134	Jun 1	44	Jun 18	150	Jul 11, 1995
LOWEST DAILY MEAN	e0.62	Mar 4	e0.79	Mar 12	a,e0.20	Jan 30, 1979
ANNUAL SEVEN-DAY MINIMUM	e0.63	Feb 28	e0.79	Mar 10	e0.20	Jan 30, 1979
MAXIMUM PEAK FLOW			77		238	
MAXIMUM PEAK STAGE			5.10		b5.66	
ANNUAL RUNOFF (AC-FT)	10,890		4,400		6,940	
10 PERCENT EXCEEDS	63		13		30	
50 PERCENT EXCEEDS	1.5		2.2		1.6	
90 PERCENT EXCEEDS	0.68		0.95		0.50	

e Estimated.

a Also occurred Jan 31 to Apr 4, 1979, and Feb 9 to Apr 9, 1981.

b Maximum gage height, 10.64, May 15, 1993, present datum, backwater from ice.

06746110 JOE WRIGHT CREEK BELOW JOE WRIGHT RESERVOIR, CO

LOCATION.--Lat 40°33'43", long 105°51'48", in SE¼NE¼ sec.24, T.7 N., R.76 W., Larimer County, Hydrologic Unit 10190007, on left bank 500 ft downstream from unnamed tributary, 2,000 ft downstream from Joe Wright Dam, and 3 mi southwest of Chambers Lake.

DRAINAGE AREA.--6.90 mi².

PERIOD OF RECORD.--June 1978 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06746110

GAGE.--Water-stage recorder. Elevation of gage is 9,710 ft above NGVD of 1929, from topographic map. Prior to Aug. 7, 1989, at datum 0.50 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Joe Wright Reservoir, 2000 ft upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	e1.5	e1.6	e1.7	e1.6	e1.5	1.2	1.9	8.7	9.4	12	37
2	59	e1.5	e1.6	e1.7	e1.6	e1.5	1.3	2.0	8.9	9.1	12	36
3	59	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	2.4	9.5	9.1	12	36
4	59	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	3.6	17	8.7	12	36
5	59	e1.5	e1.6	e1.7	e1.5	e1.5	1.8	6.4	34	9.7	12	36
6	58	e1.5	e1.6	e1.7	e1.5	e1.5	1.8	7.6	39	12	12	36
7	57	e1.5	e1.6	e1.7	e1.5	e1.5	1.9	7.8	44	12	12	26
8	57	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	7.7	51	25	20	5.7
9	57	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	7.8	52	43	35	5.7
10	36	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	8.3	50	43	38	5.8
11	1.9	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	8.4	45	44	36	5.7
12	1.9	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	7.6	46	43	35	5.7
13	1.9	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	7.0	41	36	34	5.7
14	1.8	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	6.6	32	42	34	5.7
15	1.8	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	6.8	28	60	33	5.6
16	1.7	e1.5	e1.6	e1.7	e1.5	e1.5	1.7	7.0	21	56	33	4.9
17	1.7	e1.5	e1.6	e1.7	e1.5	e1.5	1.8	7.2	18	56	35	4.2
18	1.7	e1.5	e1.6	e1.7	e1.5	1.5	1.9	8.0	19	56	40	4.2
19	1.7	e1.6	e1.6	e1.6	e1.5	1.6	1.9	8.9	23	56	40	4.2
20	1.7	e1.6	e1.6	e1.6	e1.5	1.7	1.8	9.1	23	57	39	4.4
21	1.7	e1.6	e1.6	e1.6	e1.5	1.7	1.8	9.1	22	47	39	4.5
22	1.7	e1.6	e1.6	e1.6	e1.5	1.7	1.9	8.6	27	31	39	4.6
23	1.7	e1.6	e1.6	e1.6	e1.5	1.7	1.7	8.4	35	31	39	4.2
24	1.7	e1.6	e1.6	e1.6	e1.5	1.7	1.7	8.2	34	31	38	4.5
25	1.7	e1.6	e1.6	e1.6	e1.5	1.7	1.7	8.3	28	27	38	4.7
26	e1.6	e1.6	e1.6	e1.6	e1.5	1.7	1.8	8.3	24	19	38	4.6
27	e1.6	e1.6	e1.6	e1.6	e1.5	1.7	2.0	8.9	14	24	38	4.6
28	e1.5	e1.6	e1.6	e1.6	e1.5	1.7	2.1	9.2	9.1	37	38	4.6
29	e1.5	e1.6	e1.6	e1.6	e1.5	1.7	2.1	9.2	9.1	37	37	4.6
30	e1.5	e1.6	e1.6	e1.6	---	1.6	1.9	8.6	9.6	29	37	4.8
31	e1.5	---	e1.6	e1.6	---	1.2	---	8.6	---	12	37	---
TOTAL	558.5	46.2	49.6	51.4	43.7	48.4	52.8	227.5	821.9	1,012.0	954	356.2
MEAN	18.0	1.54	1.60	1.66	1.51	1.56	1.76	7.34	27.4	32.6	30.8	11.9
MAX	59	1.6	1.6	1.7	1.6	1.7	2.1	9.2	52	60	40	37
MIN	1.5	1.5	1.6	1.6	1.5	1.2	1.2	1.9	8.7	8.7	12	4.2
AC-FT	1,110	92	98	102	87	96	105	451	1,630	2,010	1,890	707

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	4.69	2.70	1.06	0.95	0.91	0.95	1.12	12.3	59.4	36.7	30.0	29.7					
MAX	20.8	37.8	2.91	2.60	2.66	2.65	3.14	48.0	100	90.8	84.7	61.8					
(WY)	(1995)	(2001)	(2001)	(2002)	(2002)	(2002)	(2001)	(1998)	(1996)	(1993)	(1991)	(1995)					
MIN	0.54	0.34	0.21	0.24	0.22	0.23	0.29	1.21	8.67	2.49	6.44	1.13					
(WY)	(1989)	(1995)	(1993)	(1993)	(1995)	(1995)	(1991)	(1980)	(2002)	(1989)	(1981)	(1991)					

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	6,494.4		4,222.2			
ANNUAL MEAN	17.8		11.5		15.1	
HIGHEST ANNUAL MEAN					24.4	
LOWEST ANNUAL MEAN					3.69	
HIGHEST DAILY MEAN	180	Jun 25	60	Jul 15	245	Jul 1, 1993
LOWEST DAILY MEAN	e1.1	Jan 5	1.2	Mar 31	0.17	Apr 3, 1991
ANNUAL SEVEN-DAY MINIMUM	e1.1	Jan 5	1.5	Mar 27	0.18	Mar 31, 1991
MAXIMUM PEAK FLOW			63		284	
MAXIMUM PEAK STAGE			1.56		a2.71	
ANNUAL RUNOFF (AC-FT)	12,880		8,370		10,900	
10 PERCENT EXCEEDS	73		38		55	
50 PERCENT EXCEEDS	1.6		1.7		2.0	
90 PERCENT EXCEEDS	1.2		1.5		0.36	

e Estimated.

a Maximum gage height, 2.78 ft, Jul 10, 1997.

06751150 NORTH FORK CACHE LA POUVRE RIVER BELOW HALLIGAN RESERVOIR NEAR VIRGINIA DALE, CO

LOCATION.--Lat 40°52'42", long 105°20'15", in NE¹/₄SW¹/₄ sec.34, T.11 N., R.71 W., Larimer County, Hydrologic Unit 10190007, on left bank 500 ft downstream from Halligan Dam, 4.0 mi west of Highway 287, and 5.0 mi south of Virginia Dale.

DRAINAGE AREA.--355 mi².

PERIOD OF RECORD.--March 1998 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06751150

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,310 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow affected by transbasin diversions, storage reservoirs, and irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	3.6	4.7	5.4	2.7	70	39	17	103	e81	79	51
2	14	3.7	4.7	5.3	2.7	70	39	17	104	e81	79	50
3	4.0	3.4	4.7	5.2	2.7	71	39	17	87	81	78	50
4	4.1	3.3	4.7	5.2	2.7	71	39	17	81	81	79	50
5	4.2	3.5	4.7	5.2	2.7	70	26	18	81	82	79	50
6	2.2	3.0	4.7	5.2	2.7	70	16	18	81	82	78	50
7	0.62	2.2	4.7	5.2	2.7	69	16	18	80	81	78	50
8	1.5	2.4	4.9	3.9	2.7	69	16	18	80	81	77	78
9	1.4	2.5	4.9	3.0	2.7	68	17	18	81	81	78	89
10	1.4	2.2	4.9	3.0	2.6	68	17	18	80	81	77	89
11	1.5	1.9	4.9	3.0	2.5	67	17	37	81	81	77	88
12	1.5	3.3	4.9	3.0	2.6	67	17	44	82	81	76	88
13	1.5	4.5	4.9	3.0	2.7	67	17	45	81	81	76	87
14	1.3	4.7	4.9	2.9	12	66	16	45	81	81	76	86
15	1.2	5.2	4.9	2.8	45	66	16	45	81	80	75	85
16	1.3	5.2	4.9	2.8	30	66	16	45	81	79	75	84
17	1.4	5.0	4.9	2.8	21	65	16	45	80	79	73	83
18	1.6	4.9	5.8	2.8	34	65	16	46	80	79	73	83
19	1.8	4.9	6.2	2.8	1.6	64	17	47	80	80	46	82
20	1.9	4.9	6.2	2.7	1.6	64	17	47	80	79	42	88
21	2.0	4.9	6.2	2.7	1.6	64	17	47	80	79	48	90
22	2.1	4.9	6.2	2.7	1.5	51	17	47	80	79	49	90
23	2.5	4.9	6.1	2.7	1.5	39	17	47	81	79	49	88
24	3.3	4.9	5.9	2.7	26	39	17	47	81	79	48	87
25	3.4	4.9	5.9	2.7	43	39	17	48	80	79	48	86
26	3.5	4.8	5.9	2.7	61	40	17	77	80	79	48	86
27	2.1	4.7	5.9	2.7	70	40	17	94	81	79	50	85
28	0.85	4.7	5.9	2.7	70	40	17	97	81	79	51	84
29	2.0	4.7	5.9	2.7	70	39	17	100	81	79	51	88
30	3.3	4.7	5.8	2.7	---	39	17	103	e81	79	51	89
31	3.4	---	5.5	2.7	---	39	---	103	---	79	51	---
TOTAL	104.87	122.4	165.3	104.9	524.5	1,822	599	1,432	2,471	2,481	2,015	2,334
MEAN	3.38	4.08	5.33	3.38	18.1	58.8	20.0	46.2	82.4	80.0	65.0	77.8
MAX	28	5.2	6.2	5.4	70	71	39	103	104	82	79	90
MIN	0.62	1.9	4.7	2.7	1.5	39	16	17	80	79	42	50
AC-FT	208	243	328	208	1,040	3,610	1,190	2,840	4,900	4,920	4,000	4,630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	7.09	3.92	7.08	14.0	24.9	49.8	64.9	233	167	84.0	75.4	56.0
MAX	22.1	5.71	17.9	37.2	46.3	80.7	131	641	369	129	120	105
(WY)	(2000)	(2000)	(1999)	(2000)	(1999)	(1999)	(1998)	(1999)	(1999)	(1999)	(1999)	(1999)
MIN	3.38	2.80	2.77	2.82	2.43	2.39	2.67	35.9	45.3	34.5	21.2	14.6
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1998 - 2004

ANNUAL TOTAL	29,066.02	14,175.97		
ANNUAL MEAN	79.6	38.7	63.0	
HIGHEST ANNUAL MEAN			135	1999
LOWEST ANNUAL MEAN			18.6	2002
HIGHEST DAILY MEAN	566	May 31	1,500	May 1, 1999
LOWEST DAILY MEAN	0.15	Mar 13	0.15	Mar 13, 2003
ANNUAL SEVEN-DAY MINIMUM	1.1	Apr 4	1.1	Apr 4, 2003
MAXIMUM PEAK FLOW			1,840	Apr 30, 1999
MAXIMUM PEAK STAGE			6.47	Apr 30, 1999
ANNUAL RUNOFF (AC-FT)	57,650	28,120	45,660	
10 PERCENT EXCEEDS	265	81	124	
50 PERCENT EXCEEDS	5.9	38	34	
90 PERCENT EXCEEDS	1.8	2.7	2.7	

e Estimated.

06751490 NORTH FORK CACHE LA POUDE RIVER AT LIVERMORE, CO

LOCATION.--Lat 40°47'15", long 105°15'06", in SW¹/₄SE¹/₄ sec.32, T.10 N., R.70 W., Larimer County, Hydrologic Unit 10190007, on left bank 30 ft downstream from bridge on Colorado State Highway 200, 2.0 mi west of Livermore, and 2.9 mi downstream from Stonewall Creek.

DRAINAGE AREA.--539 mi².

PERIOD OF RECORD.--October 1986 to current year. May 1929 to September 1931, May 1947 to September 1965 (published as "near Livermore", station 06751500); records are not considered equivalent. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06751490

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,715 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow affected by transbasin diversions, storage reservoirs, diversions above station for irrigation, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.2	e10	e12	e12	e9.2	e15	e4.9	e2.8	5.7	e93	53	20
2	e16	e10	e12	e12	e9.3	e5.3	e4.8	e3.1	6.2	e95	44	18
3	e20	e10	e11	e12	e9.3	e4.6	e5.1	e3.9	5.0	e98	41	16
4	e13	e10	e9.6	e12	e9.4	e4.8	e5.5	e3.0	4.9	e98	40	16
5	e11	e9.7	e9.2	e12	e9.7	e5.2	e5.5	e3.1	7.0	e98	33	17
6	e8.4	e10	e10	e12	e9.7	e4.9	e5.4	e4.1	7.4	e99	33	17
7	e7.4	e10	e11	e12	e9.7	e3.9	e5.9	e4.2	7.7	e85	35	17
8	e6.8	e10	e11	e11	e9.8	e4.1	e6.0	e3.7	6.9	e60	34	16
9	e6.4	e8.8	e11	e11	e9.8	e4.1	e6.4	e3.7	6.9	e59	34	14
10	e6.4	e8.6	e11	e11	e9.8	e5.8	e7.5	e4.5	7.3	e59	35	14
11	e6.0	e8.0	e11	e10	e9.8	e6.1	e5.8	e4.3	6.5	e59	30	14
12	e6.4	e7.9	e11	e9.8	e9.7	e5.7	e6.5	e4.5	7.7	e58	22	13
13	e6.0	e8.3	e11	e9.8	e9.7	e6.5	e6.7	5.0	6.7	e58	18	13
14	e5.2	e8.6	e11	e10	e13	e7.0	e7.5	5.9	5.9	57	9.2	16
15	e4.4	e10	e11	e10	e19	e7.5	e7.7	8.5	5.8	57	8.3	15
16	e3.8	e11	e11	e10	e50	e7.7	e6.6	14	6.0	57	6.1	13
17	e4.2	e11	e11	e10	e20	e7.1	e6.4	11	8.4	59	5.4	12
18	e4.7	e11	e11	e9.7	e39	e6.8	e5.6	14	14	59	e8.9	10
19	e6.1	e11	e11	e9.7	e12	e6.6	e5.2	8.1	25	57	e13	7.8
20	e6.4	e10	e11	e9.7	e8.1	e6.7	e4.6	7.3	28	56	e19	9.9
21	e6.9	e10	e11	e9.8	e8.1	e7.3	e3.9	6.7	51	54	e23	13
22	e6.7	e11	e11	e10	e8.0	e7.8	e4.7	6.9	72	55	e28	17
23	e6.8	e11	e11	e10	e8.0	e6.4	e5.7	9.3	57	63	e33	17
24	e6.2	e12	e11	e10	e8.0	e7.9	e6.5	9.3	49	69	35	16
25	e9.5	e11	e12	e9.7	e32	e6.4	e5.9	4.0	56	75	31	15
26	e10	e12	e12	e9.7	e13	e6.3	e5.2	3.7	68	73	28	15
27	e10	e12	e12	e9.7	e8.1	e6.5	e3.9	3.4	59	69	30	15
28	e9.5	e12	e12	e9.7	e6.2	e6.2	e2.9	4.3	69	63	30	16
29	e8.4	e12	e12	e9.6	e6.2	e5.9	e2.9	5.3	91	64	28	16
30	e7.8	e12	e12	e9.3	---	e5.3	e2.8	5.9	e92	65	25	22
31	e7.4	---	e12	e9.3	---	e5.0	---	6.2	---	59	21	---
TOTAL	245.0	308.9	345.8	322.5	383.6	196.4	164.0	183.7	843.0	2,130	833.9	450.7
MEAN	7.90	10.3	11.2	10.4	13.2	6.34	5.47	5.93	28.1	68.7	26.9	15.0
MAX	20	12	12	12	50	15	7.7	14	92	99	53	22
MIN	3.8	7.9	9.2	9.3	6.2	3.9	2.8	2.8	4.9	54	5.4	7.8
AC-FT	486	613	686	640	761	390	325	364	1,670	4,220	1,650	894

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	11.4	15.4	11.0	12.9	16.0	19.4	62.5	169	183	29.2	16.5	9.87						
MAX	41.0	98.8	34.3	46.2	48.2	55.5	244	904	857	133	52.5	23.6						
(WY)	(1988)	(1998)	(1998)	(1999)	(1996)	(1990)	(1990)	(1999)	(1995)	(1995)	(1991)	(1997)						
MIN	4.85	4.01	3.58	3.60	4.35	6.34	4.57	5.66	4.97	2.16	2.45	3.92						
(WY)	(1989)	(2003)	(1988)	(1988)	(2003)	(2004)	(1995)	(2002)	(2002)	(2002)	(2002)	(2001)						

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	21,968.4		6,407.5			
ANNUAL MEAN	60.2		17.5		46.3	
HIGHEST ANNUAL MEAN					141	
LOWEST ANNUAL MEAN					6.24	
HIGHEST DAILY MEAN	452	May 31	99	Jul 6	2,760	May 1, 1999
LOWEST DAILY MEAN	3.2	Sep 3	e2.8	Apr 30	a1.3	Jul 20, 2002
ANNUAL SEVEN-DAY MINIMUM	4.0	Jan 27	e3.1	Apr 28	1.6	Jul 14, 2002
MAXIMUM PEAK FLOW			104	Jun 29	5,430	Jun 1, 1991
MAXIMUM PEAK STAGE			b8.04	Jun 29	17.53	Jun 1, 1991
ANNUAL RUNOFF (AC-FT)	43,570		12,710		33,550	
10 PERCENT EXCEEDS	201		56		95	
50 PERCENT EXCEEDS	8.6		10		10	
90 PERCENT EXCEEDS	4.3		5.0		4.7	

e Estimated.

a Also occurred Sep 5, 2002.

b Maximum gage height, 9.04 ft, Feb 16, backwater from debris.

06752260 CACHE LA POUDE RIVER AT FORT COLLINS, CO

LOCATION.--Lat 40°35'21", long 105°04'09", in SE¼NW¼ sec.12, T.7 N., R.69 W., Larimer County, Hydrologic Unit 10190007, on left bank 100 ft upstream from Lincoln Street bridge in Fort Collins.

DRAINAGE AREA.--1,127 mi².

PERIOD OF RECORD.--April 1975 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=06752260

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,940 ft above NGVD of 1929, from topographic map. Prior to May 22, 1987, at site 300 ft downstream, at different datum. May 22, 1987 to Nov. 10, 1988 at site 4,300 ft upstream, at different datum. Nov. 10, 1988 to Oct. 16, 1996, at site 100 ft upstream, at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain and transbasin diversions, storage reservoirs, power developments, diversion for municipal supply, diversions upstream from station for irrigation, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	7.3	3.4	3.4	e1.7	e0.20	63	67	17	593	56	38
2	6.3	6.6	3.3	3.4	e1.7	e0.20	54	52	62	449	68	51
3	7.7	6.9	2.8	3.8	e1.7	e0.20	38	43	92	315	100	92
4	26	4.8	2.7	3.6	e1.6	0.80	37	49	142	223	29	67
5	20	4.7	2.5	4.2	e1.5	2.3	25	109	103	241	30	84
6	6.4	4.3	2.5	4.2	e1.4	0.60	18	260	188	65	67	100
7	6.8	4.2	2.5	4.2	e1.4	0.53	14	248	471	23	40	80
8	5.9	4.2	4.6	4.2	e1.3	0.50	18	310	507	56	7.5	60
9	5.3	4.6	7.0	3.7	e1.3	0.37	44	282	360	157	38	63
10	5.8	4.8	5.7	3.5	e1.2	0.32	71	330	495	219	75	57
11	5.7	3.8	5.3	3.2	e1.1	0.85	47	408	334	176	51	59
12	5.5	3.7	5.3	3.1	e1.1	0.86	31	348	239	130	42	67
13	5.5	3.4	5.1	2.8	e1.0	2.1	30	269	381	148	25	61
14	9.2	3.4	4.8	3.1	e1.0	2.3	28	225	443	89	20	69
15	13	3.5	5.1	2.8	e0.96	2.3	30	230	422	59	26	77
16	15	3.4	4.3	2.7	e0.88	e2.2	26	217	391	157	24	56
17	14	3.2	4.2	2.5	e0.80	e2.1	22	254	407	324	18	41
18	11	3.1	4.2	2.5	e0.69	e2.0	21	270	470	117	62	47
19	8.0	3.0	4.2	2.5	e0.20	e1.9	22	357	331	139	235	40
20	6.9	3.1	4.2	2.5	0.29	e1.8	23	373	216	191	281	32
21	7.8	3.1	4.2	2.5	e0.20	e1.7	21	406	274	171	201	57
22	12	3.1	4.6	2.5	e0.20	e1.7	31	316	355	115	195	104
23	9.1	3.1	3.9	2.5	0.21	e1.6	38	225	227	236	95	90
24	6.1	3.2	3.7	2.5	0.28	e1.5	27	246	194	184	63	76
25	5.3	3.4	4.1	2.5	0.22	1.5	26	82	180	141	127	71
26	9.5	3.4	4.2	2.5	e0.20	1.6	34	67	274	107	94	89
27	14	3.2	3.9	2.4	e0.20	1.8	27	89	322	139	114	98
28	14	2.9	4.5	2.3	e0.20	1.5	24	165	319	165	138	126
29	12	3.0	5.0	2.1	e0.20	2.7	41	300	319	163	110	85
30	10	3.3	3.4	2.0	---	2.6	59	240	368	117	67	124
31	14	---	3.5	e1.9	---	0.23	---	88	---	97	43	---
TOTAL	304.1	117.7	128.7	91.6	24.73	42.86	990	6,925	8,903	5,506	2,541.5	2,161
MEAN	9.81	3.92	4.15	2.95	0.85	1.38	33.0	223	297	178	82.0	72.0
MAX	26	7.3	7.0	4.2	1.7	2.7	71	408	507	593	281	126
MIN	5.3	2.9	2.5	1.9	0.20	0.20	14	43	17	23	7.5	32
AC-FT	603	233	255	182	49	85	1,960	13,740	17,660	10,920	5,040	4,290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

	MEAN	25.1	27.8	24.1	30.1	31.4	31.8	97.0	430	853	226	72.4	35.9
	MAX	182	183	97.3	123	135	136	652	2,720	4,771	1,450	301	207
(WY)	(1998)	(1998)	(1985)	(1984)	(1984)	(1980)	(1983)	(1980)	(1983)	(1983)	(1983)	(1997)	(1997)
MIN	1.76	1.79	1.91	2.29	0.85	1.38	0.37	14.9	158	34.9	12.8	4.79	
(WY)	(2002)	(1978)	(1978)	(1978)	(2004)	(2004)	(1988)	(1976)	(1989)	(2002)	(1988)	(1987)	

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	27,066.8		27,736.19			
ANNUAL MEAN	74.2		75.8		159	
HIGHEST ANNUAL MEAN					779	
LOWEST ANNUAL MEAN					33.3	
HIGHEST DAILY MEAN	1,310	Jun 1	593	Jul 1	6,080	Jun 21, 1983
LOWEST DAILY MEAN	e1.0	Mar 11	e0.20	Feb 19	a0.00	Aug 18, 1987
ANNUAL SEVEN-DAY MINIMUM	e1.1	Mar 10	e0.20	Feb 26	0.00	Mar 24, 1988
MAXIMUM PEAK FLOW			997	Jul 1	7,710	Apr 30, 1999
MAXIMUM PEAK STAGE			5.00	Jul 1	10.46	Apr 30, 1999
ANNUAL RUNOFF (AC-FT)	53,690		55,010		114,900	
10 PERCENT EXCEEDS	229		263		322	
50 PERCENT EXCEEDS	10		16		25	
90 PERCENT EXCEEDS	3.2		1.5		2.8	

e Estimated.

a Also occurred Aug 19, Sep 4, 18-19, 1987, and many days in 1988.

07081200 ARKANSAS RIVER NEAR LEADVILLE, CO

LOCATION.--Lat 39°15'26", long 106°20'35", in NW¼NW¼ sec.21, T.9 S., R.80 W., Lake County, Hydrologic Unit 11020001, on right bank 500 ft downstream from confluence of East Fork Arkansas River and Tennessee Creek, 0.5 mi downstream from highway bridge, and 2.8 mi northwest of Leadville.

DRAINAGE AREA.--98.8 mi².

PERIOD OF RECORD.--October 1967 to September 1983, April 1990 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07081200

REVISED RECORDS.--WDR CO-91-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,730 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions (see elsewhere in this report) and diversions for irrigation and municipal use.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

Table with columns: DAY, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP. Rows include daily mean values from 1 to 31 and summary statistics (TOTAL, MEAN, MAX, MIN, AC-FT).

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

Table with columns: MEAN, MAX, (WY), MIN, (WY). Rows for water years 1968, 1977, 1978, 1982, 1983, 1973, 1971, 1974, 1989, 1996, 1997, 1995, 1997, 1982, 1978, 1977, 1978, 1974, 1970, 1981, 2002, 2002, 2002, 2002.

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1968 - 2004

Table with 4 columns corresponding to the summary statistics above. Rows include: ANNUAL TOTAL, ANNUAL MEAN, HIGHEST ANNUAL MEAN, LOWEST ANNUAL MEAN, HIGHEST DAILY MEAN, LOWEST DAILY MEAN, ANNUAL SEVEN-DAY MINIMUM, MAXIMUM PEAK FLOW, MAXIMUM PEAK STAGE, ANNUAL RUNOFF (AC-FT), 10 PERCENT EXCEEDS, 50 PERCENT EXCEEDS, 90 PERCENT EXCEEDS.

e Estimated.
a Also occurred Feb 4-20, 1978.
b From rating curve extended above 964 ft³/s.
c Maximum gage height, 4.47 ft, Jun 15, 1978.

391504106225200 DINERO MINE DRAINAGE TUNNEL BELOW TURQUOISE LAKE NEAR LEADVILLE, CO

LOCATION.--Lat 39°15'04", long 106°22'52", in NW¹/₄SW¹/₄ sec.19, T.9 S., R.80 W., Lake County, Hydrologic Unit 11020001, on left bank 8 ft downstream from mine drainage tunnel, 0.5 mi southwest of Sugarloaf Dam, and 4.5 mi west of Leadville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 2003 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=391504106225200

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,800 ft above NAVD of 1988, from topographic map.

REMARKS.--Records poor. Flow consists entirely of discharge from the Dinero Mine Drainage Tunnel.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 0.24 ft³/s, Aug. 2, 3, 2003, gage height, 10.39 ft; maximum gage height, 10.42 ft, June 2, 2004 (backwater from debris); minimum daily, 0.11 ft³/s, on many days in 2003.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 0.21 ft³/s, Apr. 27, 28, gage height, 10.38 ft; maximum gage height, 10.42 ft, June 2 (backwater from debris); minimum daily, 0.13 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.17	0.16	0.14	0.14	0.16	0.13	0.14	0.17	0.16	---	---	---
2	0.17	0.16	0.14	0.14	0.16	0.13	0.14	0.16	e0.16	---	---	---
3	0.17	0.16	0.14	0.14	0.16	0.13	0.14	0.16	---	---	---	---
4	0.17	0.16	0.14	0.14	0.16	0.14	0.14	0.16	---	---	---	---
5	0.17	0.16	0.15	0.14	0.16	0.14	0.14	0.16	---	---	---	---
6	0.16	0.16	0.16	0.14	0.16	0.14	0.14	0.15	---	---	---	---
7	0.16	0.16	0.16	0.14	0.16	0.14	0.15	0.14	---	---	---	---
8	0.16	0.16	0.16	0.14	0.16	0.14	0.16	0.14	---	---	---	---
9	0.16	0.16	0.16	0.14	0.16	0.15	0.17	0.13	---	---	---	---
10	0.16	0.16	0.16	0.14	0.16	0.16	0.17	0.13	---	---	---	---
11	0.15	0.15	0.16	0.14	0.16	0.16	0.19	0.14	---	---	---	---
12	0.15	0.14	0.16	0.14	0.15	0.16	0.19	0.14	---	---	---	---
13	0.14	0.15	0.16	0.14	0.14	0.15	0.18	0.14	---	---	---	---
14	0.15	0.16	0.16	0.14	0.14	0.15	0.17	0.14	---	---	---	---
15	0.16	0.16	0.16	0.14	0.14	0.16	0.17	0.14	---	---	---	---
16	0.15	0.16	0.15	0.14	0.14	0.16	0.17	0.14	---	---	---	---
17	0.14	0.16	0.14	0.14	0.14	0.16	0.17	0.14	---	---	---	---
18	0.14	0.15	0.14	0.15	0.14	0.16	0.18	0.14	---	---	---	---
19	0.14	0.14	0.14	0.15	0.14	0.16	0.17	0.15	---	---	---	---
20	0.14	0.15	0.14	0.15	0.14	0.16	0.17	0.15	---	---	---	---
21	0.14	0.16	0.14	0.16	0.14	0.17	0.17	0.14	---	---	---	---
22	0.14	0.15	0.14	0.16	0.13	0.16	0.17	0.14	---	---	---	---
23	0.14	0.15	0.14	0.16	0.13	0.16	0.17	0.13	---	---	---	---
24	0.14	0.14	0.14	0.16	0.13	0.16	0.17	0.13	---	---	---	---
25	0.14	0.14	0.14	0.16	0.13	0.15	0.18	0.13	---	---	---	---
26	0.13	0.14	0.14	0.16	0.13	0.15	0.18	0.13	---	---	---	---
27	e0.13	0.14	0.14	0.16	0.13	0.14	0.20	0.14	---	---	---	---
28	0.13	0.14	0.14	0.16	0.13	0.14	0.19	0.14	---	---	---	---
29	0.16	0.14	0.14	0.16	0.13	0.14	0.19	0.14	---	---	---	---
30	0.19	0.14	0.14	0.16	---	0.14	0.18	0.14	---	---	---	---
31	0.16	---	0.14	0.16	---	0.14	---	0.15	---	---	---	---
TOTAL	4.71	4.56	4.56	4.59	4.21	4.63	5.05	4.43	---	---	---	---
MEAN	0.15	0.15	0.15	0.15	0.15	0.15	0.17	0.14	---	---	---	---
MAX	0.19	0.16	0.16	0.16	0.16	0.17	0.20	0.17	---	---	---	---
MIN	0.13	0.14	0.14	0.14	0.13	0.13	0.14	0.13	---	---	---	---
AC-FT	9.3	9.0	9.0	9.1	8.4	9.2	10	8.8	---	---	---	---

e Estimated.

07083000 HALFMOON CREEK NEAR MALTA, CO

(Hydrologic Benchmark station)

LOCATION.--Lat 39°10'20", long 106°23'19", in SE¹/₄SE¹/₄ sec.13, T.10 S., R.81 W., Lake County, Hydrologic Unit 11020001, on San Isabel National Forest, on right bank 1.4 mi upstream from culvert on Halfmoon Campground road, 3.3 mi upstream from mouth, and 4.3 mi southwest of Malta.

DRAINAGE AREA.--23.6 mi².

PERIOD OF RECORD.--August 1946 to current year. Meteorological data available, May 1994 to September 1995. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07083000

REVISED RECORDS.--WSP 2121: Drainage area at site 1.4 mi downstream. WRD Colo. 1968: 1967 (M). WDR CO-79-1: 1976 (M). WDR CO-80-1: 1954 (M).

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Concrete control since 1966. Elevation of gage is 9,830 ft above NGVD of 1929, from topographic map. Prior to Oct. 19, 1966, at sites 1.4 mi downstream at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	6.4	e4.8	e4.2	e3.8	e3.3	7.5	9.8	46	64	27	12
2	15	6.8	e4.8	e4.3	e3.7	e3.4	7.7	10	47	59	26	11
3	15	7.3	e4.7	e4.2	e3.6	e3.5	7.3	14	55	54	25	11
4	14	e7.0	e4.6	e3.8	e3.7	e3.5	7.8	21	67	50	24	14
5	13	e6.8	e4.6	e3.5	e3.5	e3.3	7.7	31	92	47	24	14
6	13	e7.0	e4.9	e3.7	e3.4	e3.4	7.6	44	125	50	22	12
7	12	7.5	e4.8	e3.9	e3.2	e3.5	7.5	54	141	47	22	11
8	11	6.9	e4.7	e4.0	e3.4	e3.5	8.1	63	137	45	21	11
9	11	e6.7	e4.5	e3.9	e3.3	e3.5	8.4	67	126	43	19	10
10	11	6.8	e4.3	e4.0	e3.1	e3.6	7.8	70	112	43	18	11
11	12	e6.6	e4.5	e4.0	e3.2	e3.5	e7.5	73	86	43	18	11
12	10	e6.2	e4.3	e3.9	e3.0	e3.4	e7.2	59	68	40	17	10
13	9.9	e6.4	e4.5	e3.9	e2.8	e3.5	e7.3	43	65	39	16	9.9
14	e9.2	6.3	e4.6	e3.9	e2.9	e3.5	8.2	35	81	39	16	9.4
15	9.2	e6.0	e4.4	e4.0	e3.0	3.5	8.7	31	90	44	15	9.5
16	9.0	e5.8	e4.0	e4.1	e3.0	3.3	9.0	33	84	52	15	8.9
17	8.8	5.9	e4.2	e4.0	e3.1	3.7	9.7	38	76	71	15	8.6
18	8.5	e5.5	e4.3	e3.9	e3.1	3.9	9.8	48	75	62	16	8.5
19	8.3	e5.0	e4.3	e3.9	e3.2	4.5	8.8	69	72	54	23	11
20	8.1	e5.3	e4.4	e3.9	e3.2	5.3	8.4	84	74	51	21	14
21	7.9	e5.5	e4.5	e3.8	e3.3	6.1	8.1	84	72	46	19	14
22	7.7	e5.3	e4.3	e3.8	e3.2	6.9	7.3	78	61	43	18	12
23	7.5	e4.8	e4.3	e3.9	e3.3	7.0	e7.6	65	57	41	18	11
24	7.3	e4.5	e4.3	e3.9	e3.3	7.2	7.5	61	60	42	16	11
25	e6.8	e4.7	e4.3	e3.9	e3.3	7.7	7.5	60	63	36	15	11
26	e6.5	e5.0	e4.2	e3.8	e3.2	7.8	7.4	60	61	38	14	11
27	e6.8	e4.6	e4.2	e3.7	e3.4	7.5	8.7	63	59	44	15	10
28	7.1	e4.2	e4.1	e3.8	e3.4	e6.2	10	75	56	37	14	9.9
29	6.9	e4.4	e4.2	e3.8	e3.2	e6.5	11	80	57	33	14	10
30	6.7	e4.5	e4.3	e3.9	---	e7.0	10	60	64	31	13	11
31	6.3	---	e4.4	e3.8	---	e7.2	---	50	---	29	13	---
TOTAL	298.5	175.7	137.3	121.1	94.8	149.7	247.1	1,632.8	2,329	1,417	569	328.7
MEAN	9.63	5.86	4.43	3.91	3.27	4.83	8.24	52.7	77.6	45.7	18.4	11.0
MAX	15	7.5	4.9	4.3	3.8	7.8	11	84	141	71	27	14
MIN	6.3	4.2	4.0	3.5	2.8	3.3	7.2	9.8	46	29	13	8.5
AC-FT	592	349	272	240	188	297	490	3,240	4,620	2,810	1,130	652

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2004, BY WATER YEAR (WY)

MEAN	11.2	7.57	5.11	4.11	3.75	3.77	6.84	46.0	128	82.0	34.6	17.9
MAX	24.5	16.6	9.65	9.03	7.90	10.8	13.8	79.1	208	247	128	44.3
(WY)	(1962)	(1962)	(1996)	(1996)	(1986)	(1947)	(1989)	(1996)	(1980)	(1995)	(1995)	(1961)
MIN	6.23	4.40	3.19	1.65	1.70	1.20	2.70	17.7	41.4	12.7	7.11	8.03
(WY)	(1956)	(1992)	(1993)	(1977)	(1948)	(1948)	(1973)	(1995)	(2002)	(2002)	(2002)	(1974)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1946 - 2004
ANNUAL TOTAL	9,462.0	7,500.7	
ANNUAL MEAN	25.9	20.5	29.3
HIGHEST ANNUAL MEAN			55.3
LOWEST ANNUAL MEAN			12.2
HIGHEST DAILY MEAN	210	May 29	410
LOWEST DAILY MEAN	e2.3	Mar 17	a1.1
ANNUAL SEVEN-DAY MINIMUM	e2.3	Mar 23	1.2
MAXIMUM PEAK FLOW			b615
MAXIMUM PEAK STAGE			c3.77
ANNUAL RUNOFF (AC-FT)	18,770	14,880	21,230
10 PERCENT EXCEEDS	85	61	88
50 PERCENT EXCEEDS	7.1	8.2	9.0
90 PERCENT EXCEEDS	2.6	3.5	3.2

e Estimated.

a Also occurred Apr 2, 1948.

b From rating curve extended above 254 ft³/s.

c Maximum gage height for period of record, 4.32 ft, Apr 24, 1965, backwater from ice.

07083710 ARKANSAS RIVER BELOW EMPIRE GULCH NEAR MALTA, CO

LOCATION.--Lat 39°09'50", long 106°19'10", in NE¹/₄SW¹/₄ sec.22, T.10 S., R.80 W., Lake County, Hydrologic Unit 11020001, on right bank 60 feet downstream from private road bridge, 0.1 mi downstream from Empire Gulch, 0.4 mi downstream from bridge on U.S. Highway 24, 0.6 mi upstream from Dry Union Gulch, and 4.8 mi southeast of Malta.

DRAINAGE AREA.--237 mi².

PERIOD OF RECORD.--May 1990 to November 1993. May to September 2004 (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07083710

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,280 ft above NGVD of 1929. Prior to May 1, 2004, at site 60 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by storage reservoirs, transmountain diversions from Colorado River Basin (see elsewhere in this report), diversions for irrigation and municipal use, return flows from irrigated areas, and flows from sewage-treatment plants. Flow partly regulated by Turquoise Lake, on tributary upstream from station, capacity, about 129,400 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,030 ft³/s, June 24, 1993, gage height, 4.41 ft, from rating curve extended above 850 ft³/s (also occurred June 10, 1990, gage height, 4.19 ft, from rating curve extended above 482 ft³/s); minimum daily, 31 ft³/s, Dec. 23, 1990.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge during period May to September, 465 ft³/s, June 8, gage height, 4.17 ft, from rating curve extended above 384 ft³/s; minimum daily, 71 ft³/s, Sep. 17-18.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	97	211	268	110	80
2	---	---	---	---	---	---	---	95	208	218	110	81
3	---	---	---	---	---	---	---	104	216	193	108	80
4	---	---	---	---	---	---	---	127	250	176	110	83
5	---	---	---	---	---	---	---	154	281	168	112	85
6	---	---	---	---	---	---	---	179	340	169	105	83
7	---	---	---	---	---	---	---	189	406	156	97	81
8	---	---	---	---	---	---	---	215	418	152	94	81
9	---	---	---	---	---	---	---	222	408	146	89	78
10	---	---	---	---	---	---	---	216	398	148	86	80
11	---	---	---	---	---	---	---	242	321	145	84	80
12	---	---	---	---	---	---	---	243	269	139	83	78
13	---	---	---	---	---	---	---	202	236	136	82	78
14	---	---	---	---	---	---	---	169	246	142	83	75
15	---	---	---	---	---	---	---	153	271	159	83	76
16	---	---	---	---	---	---	---	149	263	179	84	74
17	---	---	---	---	---	---	---	159	256	280	86	71
18	---	---	---	---	---	---	---	163	265	263	90	71
19	---	---	---	---	---	---	---	216	252	225	114	77
20	---	---	---	---	---	---	---	278	238	193	112	81
21	---	---	---	---	---	---	---	303	241	177	101	81
22	---	---	---	---	---	---	---	295	240	163	101	81
23	---	---	---	---	---	---	---	252	199	160	100	77
24	---	---	---	---	---	---	---	243	186	173	94	74
25	---	---	---	---	---	---	---	249	184	152	92	73
26	---	---	---	---	---	---	---	239	214	143	89	73
27	---	---	---	---	---	---	---	247	218	153	87	72
28	---	---	---	---	---	---	---	256	204	142	86	75
29	---	---	---	---	---	---	---	305	196	128	84	76
30	---	---	---	---	---	---	---	274	253	119	83	80
31	---	---	---	---	---	---	---	232	---	113	81	---
TOTAL	---	---	---	---	---	---	---	6,467	7,888	5,278	2,920	2,335
MEAN	---	---	---	---	---	---	---	209	263	170	94.2	77.8
MAX	---	---	---	---	---	---	---	305	418	280	114	85
MIN	---	---	---	---	---	---	---	95	184	113	81	71
AC-FT	---	---	---	---	---	---	---	12,830	15,650	10,470	5,790	4,630

07087050 ARKANSAS RIVER BELOW GRANITE, CO

LOCATION.--Lat 38°59'42", long 106°13'11", in SW¹/₄NW¹/₄ sec.22, T.12 S., R.79 W., Chaffee County, Hydrologic Unit 11020001, on right bank 500 ft east of U.S. Highway 24, 1.0 mi downstream from Pine Creek, and 4.8 mi southeast of Granite.

DRAINAGE AREA.--546 mi².

PERIOD OF RECORD.--March 1999 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07087050

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,620 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, power developments, transmountain diversions (see elsewhere in this report), diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 3,280 ft³/s, May 31, 2000, gage height, 8.06 ft; minimum daily, 101 ft³/s, Sept. 15, 22-23, 2002.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 2,000 ft³/s, June 9, gage height, 6.91 ft; minimum daily, 123 ft³/s, Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	189	180	560	716	555	151
2	---	---	---	---	---	---	197	178	566	636	491	e155
3	---	---	---	---	---	---	198	183	626	607	464	150
4	---	---	---	---	---	---	187	204	829	620	481	144
5	---	---	---	---	---	---	208	232	1,020	677	521	149
6	---	---	---	---	---	---	224	292	1,260	669	530	147
7	---	---	---	---	---	---	221	317	1,450	624	510	138
8	---	---	---	---	---	---	229	349	1,750	585	492	135
9	---	---	---	---	---	---	261	392	1,910	539	501	129
10	---	---	---	---	---	---	231	433	1,660	535	540	130
11	---	---	---	---	---	---	206	462	1,280	532	532	131
12	---	---	---	---	---	---	205	466	1,010	549	531	125
13	---	---	---	---	---	---	204	436	826	549	525	128
14	---	---	---	---	---	---	213	385	831	547	521	123
15	---	---	---	---	---	---	220	355	997	571	468	137
16	---	---	---	---	---	---	220	345	1,120	591	393	161
17	---	---	---	---	---	---	224	378	1,240	710	308	158
18	---	---	---	---	---	---	222	443	1,250	676	245	151
19	---	---	---	---	---	---	212	503	928	639	227	163
20	---	---	---	---	---	---	214	596	714	668	219	211
21	---	---	---	---	---	---	215	615	650	622	203	230
22	---	---	---	---	---	---	219	578	617	586	195	227
23	---	---	---	---	---	---	226	520	588	548	205	206
24	---	---	---	---	---	---	229	557	607	603	183	188
25	---	---	---	---	---	---	239	701	590	567	169	181
26	---	---	---	---	---	---	224	748	650	507	153	181
27	---	---	---	---	---	---	183	726	667	508	147	172
28	---	---	---	---	---	---	173	666	659	493	149	170
29	---	---	---	---	---	---	175	759	636	467	146	173
30	---	---	---	---	---	---	178	685	684	509	155	179
31	---	---	---	---	---	---	---	586	---	569	153	---
TOTAL	---	---	---	---	---	---	6,346	14,270	28,175	18,219	10,912	4,823
MEAN	---	---	---	---	---	---	212	460	939	588	352	161
MAX	---	---	---	---	---	---	261	759	1,910	716	555	230
MIN	---	---	---	---	---	---	173	178	560	467	146	123
AC-FT	---	---	---	---	---	---	12,590	28,300	55,890	36,140	21,640	9,570

e Estimated.

07091200 ARKANSAS RIVER NEAR NATHROP, CO

LOCATION.--Lat 38°39'08", long 106°03'02", in SE¹/₄SW¹/₄ sec.23, T.51 N., R.8 E., Chaffee County, Hydrologic Unit 11020001, on right bank 300 ft upstream from end of Chaffee County Road 194 in Browns Canyon, 3.7 mi downstream from Browns Creek, 6.7 mi south of Nathrop, and 9 mi north of Salida.

DRAINAGE AREA.--1,060 mi².

PERIOD OF RECORD.--October 1964 to September 1982. April 1989 to September 1993. October 1993 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07091200

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,350 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by storage reservoirs, power developments, transbasin and transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (occurred during period of seasonal record), 5,540 ft³/s, July 14, 1995, gage height, 8.63 ft, from rating curve extended above 5,500 ft³/s; maximum gage height, 8.94 ft, Aug. 31, 1972 (backwater from unnamed tributary); minimum daily, 95 ft³/s, Feb. 25-27, 1977.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 2,270 ft³/s, June 9, gage height, 6.47 ft; minimum daily, 236 ft³/s, Sep. 15.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	271	275	720	884	660	254
2	---	---	---	---	---	---	278	268	727	783	622	262
3	---	---	---	---	---	---	287	261	798	726	561	248
4	---	---	---	---	---	---	275	268	1,010	732	576	269
5	---	---	---	---	---	---	283	296	1,260	772	605	277
6	---	---	---	---	---	---	299	355	1,520	787	638	264
7	---	---	---	---	---	---	300	402	1,770	732	615	258
8	---	---	---	---	---	---	308	440	2,010	703	590	249
9	---	---	---	---	---	---	301	477	2,190	641	567	243
10	---	---	---	---	---	---	306	544	2,040	630	614	239
11	---	---	---	---	---	---	286	592	1,620	619	612	245
12	---	---	---	---	---	---	280	618	1,320	624	616	239
13	---	---	---	---	---	---	269	557	1,080	628	613	240
14	---	---	---	---	---	---	266	483	1,040	647	606	238
15	---	---	---	---	---	---	275	431	1,180	685	588	236
16	---	---	---	---	---	---	275	418	1,310	707	512	250
17	---	---	---	---	---	---	273	443	1,440	848	437	254
18	---	---	---	---	---	---	270	535	1,490	933	378	248
19	---	---	---	---	---	---	269	632	1,220	860	376	252
20	---	---	---	---	---	---	264	823	954	908	374	283
21	---	---	---	---	---	---	270	864	830	812	341	317
22	---	---	---	---	---	---	276	866	780	763	324	324
23	---	---	---	---	---	---	290	754	714	713	329	309
24	---	---	---	---	---	---	287	742	741	748	314	293
25	---	---	---	---	---	---	298	870	718	742	284	283
26	---	---	---	---	---	---	298	930	779	656	270	283
27	---	---	---	---	---	---	269	934	828	643	259	281
28	---	---	---	---	---	---	247	874	813	629	262	274
29	---	---	---	---	---	---	250	1,020	788	605	253	275
30	---	---	---	---	---	---	268	923	832	588	253	279
31	---	---	---	---	---	---	---	771	---	679	256	---
TOTAL	---	---	---	---	---	---	8,388	18,666	34,522	22,427	14,305	7,966
MEAN	---	---	---	---	---	---	280	602	1,151	723	461	266
MAX	---	---	---	---	---	---	308	1,020	2,190	933	660	324
MIN	---	---	---	---	---	---	247	261	714	588	253	236
AC-FT	---	---	---	---	---	---	16,640	37,020	68,470	44,480	28,370	15,800

07094500 ARKANSAS RIVER AT PARKDALE, CO

LOCATION.--Lat 38°29'14", long 105°22'23", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.18 S., R.71 W., Fremont County, Hydrologic Unit 11020001, on left bank at Parkdale, 100 ft upstream from Bumback Gulch, 300 ft upstream from bridge on U.S. Highway 50, and 0.9 mi upstream from Copper Gulch.

DRAINAGE AREA.--2,548 mi².

PERIOD OF RECORD.--October 1945 to September 1955, October 1964 to September 1994, April 1995 to current year (seasonal records only). Monthly discharge only for October 1945 to May 1946, published in WSP 1311. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07094500

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,720 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1964, at site 600 ft downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by transbasin and transmountain diversions, storage reservoirs, power development, ground-water withdrawals, diversions for irrigation and municipal use, return flows from irrigated areas, and flows from sewage-treatment plants.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (occurred during period of seasonal record), 6,830 ft³/s, June 18, 1995, gage height, 8.82 ft, from rating curve extended above 6,050 ft³/s; maximum gage height, 9.13 ft, June 9, 1985; minimum daily (occurred during period of seasonal record), 187 ft³/s, Sept. 17, 2002.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 2,480 ft³/s, June 9, gage height, 5.20 ft; minimum daily, 275 ft³/s, Sept. 16.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	313	407	838	985	747	331
2	---	---	---	---	---	---	314	402	813	945	725	326
3	---	---	---	---	---	---	383	351	856	850	681	330
4	---	---	---	---	---	---	366	337	1,010	814	632	328
5	---	---	---	---	---	---	343	348	1,310	818	628	354
6	---	---	---	---	---	---	378	397	1,520	843	662	356
7	---	---	---	---	---	---	397	502	1,870	817	694	346
8	---	---	---	---	---	---	424	562	2,110	775	674	339
9	---	---	---	---	---	---	420	587	2,350	733	654	330
10	---	---	---	---	---	---	435	657	2,340	701	635	316
11	---	---	---	---	---	---	421	734	1,910	697	653	299
12	---	---	---	---	---	---	402	804	1,550	673	649	298
13	---	---	---	---	---	---	386	763	1,270	673	645	296
14	---	---	---	---	---	---	353	646	1,130	673	639	290
15	---	---	---	---	---	---	340	544	1,170	715	631	277
16	---	---	---	---	---	---	340	490	1,320	774	614	275
17	---	---	---	---	---	---	340	491	1,400	997	562	287
18	---	---	---	---	---	---	319	551	1,510	1,090	503	290
19	---	---	---	---	---	---	314	727	1,460	1,010	484	283
20	---	---	---	---	---	---	308	934	1,160	986	511	317
21	---	---	---	---	---	---	298	1,100	991	946	468	352
22	---	---	---	---	---	---	309	1,120	912	887	436	404
23	---	---	---	---	---	---	392	1,020	846	906	416	393
24	---	---	---	---	---	---	382	918	801	860	412	372
25	---	---	---	---	---	---	413	937	828	884	388	352
26	---	---	---	---	---	---	440	1,050	835	822	357	343
27	---	---	---	---	---	---	452	1,040	914	765	345	342
28	---	---	---	---	---	---	377	1,040	932	744	344	341
29	---	---	---	---	---	---	325	1,100	1,030	728	338	339
30	---	---	---	---	---	---	371	1,130	924	682	329	339
31	---	---	---	---	---	---	---	976	---	713	333	---
TOTAL	---	---	---	---	---	---	11,055	22,665	37,910	25,506	16,789	9,845
MEAN	---	---	---	---	---	---	368	731	1,264	823	542	328
MAX	---	---	---	---	---	---	452	1,130	2,350	1,090	747	404
MIN	---	---	---	---	---	---	298	337	801	673	329	275
AC-FT	---	---	---	---	---	---	21,930	44,960	75,190	50,590	33,300	19,530

07096000 ARKANSAS RIVER AT CANON CITY, CO

LOCATION.--Lat 38°26'02", long 105°15'24", in SE¹/₄SE¹/₄ 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 at Canon City.

DRAINAGE AREA.--3,117 mi².

PERIOD OF RECORD.--January 1888 to current year. Monthly discharge only for some periods, published in WSP 1311. Published as "near Canyon" 1900-1906. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07096000

REVISED RECORDS.--WSP 1117: Drainage area. WSP 1311: 1897-98.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,342.13 ft above NGVD of 1929. See WSP 1711 or 1731 for history of changes prior to Oct. 1, 1957. Oct. 1, 1957 to Nov. 15, 1962, water-stage recorder at present site at datum 1.49 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, power developments, transbasin and transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	269	350	e360	371	344	272	428	723	871	710	205
2	185	275	343	e370	348	350	270	482	691	843	676	203
3	198	289	338	e370	353	345	340	362	729	739	587	204
4	248	302	348	e350	365	343	325	318	857	706	529	215
5	265	295	387	e310	e355	334	299	312	1,160	709	525	235
6	254	277	393	e280	e350	321	321	362	1,400	738	556	241
7	242	276	401	e300	e330	326	349	449	1,740	702	585	229
8	225	286	405	e320	e340	347	384	500	1,980	643	584	224
9	221	290	e395	e330	e335	370	406	530	2,250	616	550	207
10	212	285	e380	e340	e330	408	425	572	2,250	588	531	202
11	209	291	e370	e350	e335	434	419	655	1,860	589	603	200
12	207	292	e380	e360	e330	411	424	708	1,490	545	592	201
13	222	299	e385	380	e325	376	423	670	1,200	544	597	198
14	232	310	e385	369	e330	377	394	566	1,010	539	564	192
15	225	307	e390	370	e345	325	361	477	1,050	577	566	185
16	214	293	e385	376	e360	320	340	426	1,220	634	525	178
17	234	279	e370	376	e375	320	330	419	1,320	875	454	188
18	243	283	e380	383	380	342	329	462	1,420	968	399	198
19	233	271	e390	377	376	357	317	610	1,380	908	381	195
20	229	268	400	363	368	343	291	790	1,060	870	427	200
21	229	276	402	e360	357	349	277	950	884	844	378	221
22	238	276	409	e350	352	356	290	988	794	771	350	277
23	239	e270	397	e345	348	356	416	893	722	796	324	273
24	227	e275	378	e345	354	357	431	797	675	764	314	262
25	223	e295	382	e350	352	348	460	820	691	791	290	240
26	223	e310	393	e340	350	350	540	914	705	741	247	231
27	226	e315	385	e305	347	323	602	907	789	694	234	225
28	231	e325	e340	e320	361	313	478	905	805	699	230	232
29	240	e325	e295	e340	359	295	357	951	930	687	228	249
30	248	337	e340	366	---	274	375	989	807	641	206	246
31	261	---	e360	368	---	271	---	857	---	657	205	---
TOTAL	7,074	8,741	11,656	10,823	10,181	10,685	11,245	20,069	34,592	22,289	13,947	6,556
MEAN	228	291	376	349	351	345	375	647	1,153	719	450	219
MAX	265	337	409	383	380	434	602	989	2,250	968	710	277
MIN	185	268	295	280	325	271	270	312	675	539	205	178
AC-FT	14,030	17,340	23,120	21,470	20,190	21,190	22,300	39,810	68,610	44,210	27,660	13,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1889 - 2004, BY WATER YEAR (WY)

MEAN	369	376	370	348	345	352	421	1,098	2,253	1,449	841	443
MAX	1,195	620	623	609	781	711	1,120	2,667	4,286	5,541	2,134	1,411
(WY)	(1912)	(1924)	(1983)	(1983)	(1985)	(1989)	(1942)	(1984)	(1980)	(1957)	(1957)	(1909)
MIN	154	180	204	195	217	176	108	243	300	200	168	142
(WY)	(2003)	(1940)	(1940)	(1979)	(1978)	(1904)	(1940)	(1977)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1889 - 2004
ANNUAL TOTAL	169,615	167,858	
ANNUAL MEAN	465	459	724
HIGHEST ANNUAL MEAN			1,299
LOWEST ANNUAL MEAN			280
HIGHEST DAILY MEAN	3,540	2,250	9,480
LOWEST DAILY MEAN	119	178	69
ANNUAL SEVEN-DAY MINIMUM	134	191	87
MAXIMUM PEAK FLOW		2,380	
MAXIMUM PEAK STAGE		8.02	a19,000
ANNUAL RUNOFF (AC-FT)	336,400	332,900	b,c10.70
10 PERCENT EXCEEDS	760	811	1,690
50 PERCENT EXCEEDS	275	357	412
90 PERCENT EXCEEDS	205	228	237

e Estimated.
a Site and datum then in use, from rating curve extended above 5,000 ft³/s.
b From floodmark.
c Maximum gage height, 10.90 ft, Jun 18, 1995.

07096250 FOURMILE CREEK BELOW CRIPPLE CREEK NEAR VICTOR, CO

LOCATION.--Lat 38°39'50", long 105°13'39", in SW¹/₄SE¹/₄ sec.9, T.16 S., R.70 W., Teller County, Hydrologic Unit 11020002, on left bank 500 ft from Teller County Route 88, 0.2 mi downstream from Cripple Creek, and 5.5 mi southwest of Victor.

DRAINAGE AREA.--272 mi².

PERIOD OF RECORD.--October 1992 to November 2003. April 1 to September 2004 (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07096250

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,870 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by small diversions for irrigation, flows from Cripple Creek sewage treatment plant, and releases from Wrights Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,990 ft³/s, July 16, 2004, gage height, 6.50 ft, from step-backwater analysis of peak flow; no flow, September 6-8, 2002.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 1,990 ft³/s, July 16, gage height, 6.50 ft, from step-backwater analysis of peak flow; minimum daily, 2.6 ft³/s, November 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	5.6	---	---	---	---	3.8	20	25	19	41	55
2	4.2	5.6	---	---	---	---	4.0	23	25	15	40	54
3	5.4	6.0	---	---	---	---	7.8	23	28	13	40	53
4	6.6	6.0	---	---	---	---	6.9	21	30	13	38	54
5	6.6	5.5	---	---	---	---	7.0	20	27	13	41	55
6	6.5	5.9	---	---	---	---	7.1	18	20	12	47	51
7	6.3	6.3	---	---	---	---	6.6	17	12	12	45	49
8	6.4	6.3	---	---	---	---	6.9	22	11	12	53	49
9	5.9	6.1	---	---	---	---	7.6	23	11	11	51	49
10	4.9	6.2	---	---	---	---	9.2	26	9.4	12	50	49
11	5.0	6.2	---	---	---	---	9.7	25	12	13	50	49
12	5.2	6.0	---	---	---	---	11	26	12	12	51	47
13	5.1	6.6	---	---	---	---	11	29	12	11	50	47
14	5.2	6.5	---	---	---	---	12	31	11	14	48	46
15	5.2	6.1	---	---	---	---	11	31	10	15	48	46
16	5.2	5.1	---	---	---	---	11	30	11	97	47	46
17	5.2	4.3	---	---	---	---	10	29	11	31	45	46
18	5.2	3.3	---	---	---	---	10	30	12	39	48	45
19	5.2	3.7	---	---	---	---	10	28	12	47	61	45
20	5.2	3.4	---	---	---	---	11	28	12	51	58	23
21	5.1	3.0	---	---	---	---	11	24	13	57	69	17
22	5.0	2.6	---	---	---	---	12	26	14	42	63	18
23	5.2	3.1	---	---	---	---	14	26	12	49	61	16
24	5.3	3.8	---	---	---	---	14	26	11	79	59	15
25	5.6	4.2	---	---	---	---	18	25	14	61	58	15
26	5.7	4.1	---	---	---	---	18	24	17	59	57	15
27	5.9	3.3	---	---	---	---	17	25	17	59	58	15
28	5.7	3.0	---	---	---	---	15	25	20	57	58	14
29	5.5	2.9	---	---	---	---	14	25	20	54	56	15
30	5.4	3.0	---	---	---	---	16	26	22	48	55	14
31	5.5	---	---	---	---	---	---	26	---	44	55	---
TOTAL	168.4	143.7	---	---	---	---	322.6	778	473.4	1,071	1,601	1,112
MEAN	5.43	4.79	---	---	---	---	10.8	25.1	15.8	34.5	51.6	37.1
MAX	6.6	6.6	---	---	---	---	18	31	30	97	69	55
MIN	4.0	2.6	---	---	---	---	3.8	17	9.4	11	38	14
AC-FT	334	285	---	---	---	---	640	1,540	939	2,120	3,180	2,210

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 upstream side of bridge on State Highway 120 at Portland, and 1 mi downstream from Hardscrabble Creek.

DRAINAGE AREA.--4,024 mi².

PERIOD OF RECORD.--May 1939 to September 1952, October 1974 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07097000

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

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, power developments, transbasin and transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 21, 1965, reached a discharge of 23,900 ft³/s, from rating curve extended above 7,400 ft³/s on basis of slope-area measurement of peak flow, gage height, 11.85 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	305	326	384	382	332	254	539	769	964	821	278
2	190	312	333	390	358	333	254	609	722	981	750	260
3	191	331	325	376	352	332	347	501	742	853	627	264
4	245	332	334	e360	386	333	322	447	868	801	554	260
5	263	315	365	e325	e360	333	282	410	1,160	793	547	289
6	257	322	384	e270	346	310	287	447	1,410	837	593	289
7	246	305	386	e350	329	310	332	517	1,740	820	614	269
8	226	320	397	e395	342	330	372	572	2,000	727	640	269
9	222	321	433	385	338	342	447	599	2,290	657	597	246
10	223	313	408	377	333	375	477	630	2,340	575	567	229
11	226	304	388	370	335	432	433	711	1,980	603	647	214
12	223	309	386	362	e308	399	412	746	1,560	573	633	211
13	236	319	377	352	e304	369	415	738	1,270	578	632	205
14	235	313	380	322	e318	354	371	625	1,060	563	597	199
15	232	322	408	325	e335	316	333	520	1,070	592	598	214
16	227	311	387	337	354	313	333	445	1,220	655	555	217
17	228	284	352	335	361	302	304	416	1,320	1,060	468	215
18	244	274	382	334	374	316	294	431	1,450	1,090	409	226
19	248	272	384	318	378	332	283	580	1,460	1,100	414	243
20	243	263	388	329	360	312	260	789	1,170	1,000	477	234
21	248	281	397	333	348	310	243	993	978	1,010	507	261
22	260	e285	394	315	345	313	272	1,030	856	926	425	332
23	275	e300	396	306	333	308	553	981	757	974	407	332
24	265	e270	366	311	338	305	556	841	673	988	391	323
25	254	e275	364	e305	341	304	528	855	723	1,000	379	295
26	263	e305	374	e315	337	302	564	965	732	941	333	293
27	262	314	366	e285	327	293	664	966	850	888	321	275
28	266	283	e315	e310	345	280	564	970	884	885	331	291
29	280	296	e290	e330	344	279	491	977	1,030	851	327	313
30	287	306	e310	366	---	252	514	1,080	908	771	297	307
31	300	---	e360	373	---	242	---	940	---	757	286	---
TOTAL	7,550	9,062	11,455	10,545	10,011	9,963	11,761	21,870	35,992	25,813	15,744	7,853
MEAN	244	302	370	340	345	321	392	705	1,200	833	508	262
MAX	300	332	433	395	386	432	664	1,080	2,340	1,100	821	332
MIN	185	263	290	270	304	242	243	410	673	563	286	199
AC-FT	14,980	17,970	22,720	20,920	19,860	19,760	23,330	43,380	71,390	51,200	31,230	15,580

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	381	412	377	358	349	362	485	1,164	2,405	1,515	905	436
MAX	1,083	748	693	626	774	683	1,869	2,680	4,429	4,472	2,380	1,008
(WY)	(1985)	(1985)	(1983)	(1983)	(1985)	(1989)	(1942)	(1984)	(1980)	(1995)	(1984)	(1982)
MIN	136	191	212	199	162	147	135	245	292	201	144	134
(WY)	(1978)	(1978)	(1978)	(1979)	(1978)	(1978)	(1981)	(1977)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1939 - 2004
ANNUAL TOTAL	177,223	177,619	
ANNUAL MEAN	486	485	768
HIGHEST ANNUAL MEAN			1,387
LOWEST ANNUAL MEAN			264
HIGHEST DAILY MEAN	3,740	2,340	7,460
LOWEST DAILY MEAN	142	185	66
ANNUAL SEVEN-DAY MINIMUM	150	211	76
MAXIMUM PEAK FLOW		2,540	a21,100
MAXIMUM PEAK STAGE		4.72	12.18
ANNUAL RUNOFF (AC-FT)	351,500	352,300	556,400
10 PERCENT EXCEEDS	870	948	1,810
50 PERCENT EXCEEDS	281	351	445
90 PERCENT EXCEEDS	183	254	220

e Estimated.

a From rating curve extended above 5,300 ft³/s.

07099050 BEAVER CREEK ABOVE UPPER BEAVER CEMETERY NEAR PENROSE, CO

LOCATION.--Lat 38°33'42", long 105°01'17", in NW¹/₄NE¹/₄ sec.20, T.17 S., R.68 W., Fremont County, Hydrologic Unit 11020002, on left bank 40 ft upstream from bridge on Fremont County Road 132, 1 mi downstream from Banta Gulch, 1.3 mi northeast of Upper Beaver Cemetery, and 9.2 mi north of Penrose.

DRAINAGE AREA.--122 mi².

PERIOD OF RECORD.--March 1991 to current year (seasonal records only). For a complete listing of historical data available for this site see, http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07099050

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,020 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation, and diversions for municipal use by the City of Colorado Springs.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 659 ft³/s, June 10, 1997, gage height, 5.57 ft, from rating curve extended above 602 ft³/s; maximum gage height, 6.70 ft, Sept. 4, 1991; minimum daily, 0.75 ft³/s, Sept. 8, 2002.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 121 ft³/s, July 27, gage height, 3.78 ft; minimum daily, 2.2 ft³/s (estimated), Nov. 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	8.8	---	---	---	4.0	12	53	28	49	44	38
2	18	8.3	---	---	---	4.2	13	54	28	34	41	37
3	18	8.3	---	---	---	4.0	23	53	28	27	39	34
4	18	8.2	---	---	---	4.4	16	53	27	23	32	33
5	18	8.0	---	---	---	4.4	15	54	26	21	33	36
6	18	8.4	---	---	---	4.8	15	56	29	20	47	32
7	18	8.8	---	---	---	5.5	14	57	30	20	59	31
8	18	8.6	---	---	---	5.9	20	60	33	18	53	29
9	18	8.5	---	---	---	6.8	25	60	35	17	49	28
10	17	8.5	---	---	---	7.9	27	58	27	22	45	27
11	18	8.4	---	---	---	7.6	23	58	21	27	44	24
12	18	8.4	---	---	---	7.7	23	56	20	22	49	24
13	18	9.0	---	---	---	8.5	22	55	20	19	57	23
14	18	8.7	---	---	---	8.4	24	54	19	18	49	22
15	17	8.3	---	---	---	8.8	24	50	18	17	44	20
16	14	8.0	---	---	---	8.4	24	46	17	21	37	23
17	14	8.1	---	---	---	9.9	24	44	16	42	29	26
18	13	7.7	---	---	---	15	25	41	16	45	28	26
19	7.5	e8.5	---	---	---	16	22	41	16	48	42	22
20	7.2	e7.9	---	---	---	17	22	42	15	46	47	22
21	7.8	e7.4	---	---	---	17	20	45	15	38	61	22
22	8.3	e6.8	---	---	---	17	21	44	18	34	51	25
23	7.6	e6.2	---	---	---	17	25	41	16	45	46	22
24	7.5	e5.6	---	---	---	16	23	37	15	46	41	22
25	7.5	e5.1	---	---	---	14	32	36	16	50	40	22
26	7.7	e4.5	---	---	---	14	34	34	16	50	39	22
27	7.6	e3.9	---	---	---	14	48	32	18	63	39	24
28	7.7	e4.0	---	---	---	12	60	32	22	59	46	24
29	7.8	e2.8	---	---	---	9.7	61	31	24	64	43	25
30	8.1	e2.2	---	---	---	12	57	34	33	56	39	21
31	8.8	---	---	---	---	12	---	30	---	49	40	---
TOTAL	410.1	215.9	---	---	---	313.9	794	1,441	662	1,110	1,353	786
MEAN	13.2	7.20	---	---	---	10.1	26.5	46.5	22.1	35.8	43.6	26.2
MAX	18	9.0	---	---	---	17	61	60	35	64	61	38
MIN	7.2	2.2	---	---	---	4.0	12	30	15	17	28	20
AC-FT	813	428	---	---	---	623	1,570	2,860	1,310	2,200	2,680	1,560

e Estimated.

07099060 BEAVER CREEK ABOVE HIGHWAY 115 NEAR PENROSE, CO

LOCATION.--Lat 38°29'21", long 104°59'49", in NE¹/₄NE¹/₄ sec.16, T.18 S., R.68 W., Fremont County, Hydrologic Unit 11020002, on left bank 240 ft downstream from Beaver Park Irrigation Company diversion dam, 1.8 mi upstream from State Highway 115, and 4.7 mi north of Penrose. Prior to Feb. 27, 2004, at site 60 ft downstream.

DRAINAGE AREA.--138 mi².

PERIOD OF RECORD.--March 1991 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07099060

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,660 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges that are not at zero flow, which are poor. Natural flow of stream affected by storage reservoirs, diversions for municipal use by Colorado Springs, and diversions for irrigation. Flows are regulated to some extent by Beaver Park Irrigation Company diversion dam 300 ft upstream.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 1,260 ft³/s, Sept. 6, 2003, gage height, 7.51 ft, from rating curve extended above 422 ft³/s on basis of flow over dam computation of peak flow; no flow on many days.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 40 ft³/s, July 28, gage height, 3.01 ft, from rating curve extended above 422 ft³/s on basis of flow over dam computation of peak flow; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	---	---	0.00	0.00	14	0.00	5.3	24	0.00
2	0.00	0.00	---	---	---	0.00	0.00	14	0.00	0.01	21	0.00
3	0.00	0.00	---	---	---	0.00	1.2	13	0.00	0.00	18	0.00
4	0.00	0.00	---	---	---	0.00	0.00	12	0.00	0.00	5.8	0.00
5	0.00	0.00	---	---	---	0.00	0.00	9.8	0.00	0.00	0.00	0.00
6	0.00	0.00	---	---	---	0.00	0.00	9.4	0.00	0.00	2.9	0.00
7	0.00	0.00	---	---	---	0.00	0.00	9.9	0.00	0.00	9.2	0.00
8	0.00	0.00	---	---	---	0.00	0.00	12	0.00	0.00	4.4	0.00
9	0.00	0.00	---	---	---	0.00	e3.2	13	0.00	0.00	0.11	0.00
10	0.00	0.00	---	---	---	0.00	e0.03	10	0.00	0.00	0.05	0.00
11	0.00	0.00	---	---	---	0.00	0.00	10	0.00	0.00	0.00	0.00
12	0.00	0.00	---	---	---	0.00	0.00	7.9	0.00	0.00	0.00	0.00
13	0.00	0.00	---	---	---	0.00	0.00	7.3	0.00	0.00	14	0.00
14	0.00	0.00	---	---	---	0.00	0.00	7.6	0.00	0.00	9.0	0.00
15	0.00	0.00	---	---	---	0.00	0.00	2.7	0.00	0.00	2.4	0.00
16	0.00	0.00	---	---	---	0.00	0.00	0.04	0.00	0.00	0.36	0.00
17	0.00	0.00	---	---	---	0.00	0.00	0.01	0.00	5.0	0.00	0.00
18	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	8.5	0.00	0.00
19	0.00	e0.00	---	---	---	0.63	0.00	0.00	0.00	11	0.00	0.00
20	0.00	e0.00	---	---	---	0.00	0.00	0.00	0.00	10	4.4	0.00
21	0.00	e0.00	---	---	---	0.00	0.00	0.00	0.00	4.7	15	0.00
22	0.00	e0.00	---	---	---	0.00	0.00	0.00	0.00	0.01	9.9	0.00
23	0.00	e0.00	---	---	---	0.00	0.00	0.00	0.00	6.0	3.1	0.00
24	0.00	e0.00	---	---	---	0.00	0.00	0.00	0.00	11	0.11	0.00
25	0.00	e0.00	---	---	---	0.00	3.4	0.00	0.00	15	0.05	0.00
26	0.00	e0.00	---	---	---	0.00	3.1	0.00	0.00	14	0.00	0.00
27	0.00	e0.00	---	---	---	0.00	11	0.00	0.00	21	0.00	0.00
28	0.00	e0.00	---	---	---	0.00	24	0.00	0.00	13	0.00	0.00
29	0.00	e0.00	---	---	---	0.00	20	0.00	0.00	21	0.00	0.00
30	0.00	e0.00	---	---	---	0.00	16	0.00	0.00	27	0.00	0.00
31	0.00	---	---	---	---	0.00	---	0.00	---	29	0.00	---
TOTAL	0.00	0.00	---	---	---	0.63	81.93	152.65	0.00	201.52	143.78	0.00
MEAN	0.00	0.00	---	---	---	0.02	2.73	4.92	0.00	6.50	4.64	0.00
MAX	0.00	0.00	---	---	---	0.63	24	14	0.00	29	24	0.00
MIN	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	---	---	---	1.2	163	303	0.00	400	285	0.00

e Estimated.

07099215 TURKEY CREEK NEAR FOUNTAIN, CO

LOCATION.--Lat 38°36'42", long 104°53'39", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.16 S., R.67 W., El Paso County, Hydrologic Unit 11020002, on Fort Carson Military Reservation, on left bank 100 ft downstream from State Highway 115 bridge, 0.7 mi downstream from Turkey Canyon, 0.8 mi upstream from Turkey Creek Ranch, and 9.4 mi southwest of Fountain.

DRAINAGE AREA.--13.0 mi².

PERIOD OF RECORD.--May 1978 to September 1989, May 1995 to September 1998, April 1999 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07099215

REVISED RECORDS.--WDR CO-80-1: 1978-79 (M). WDR CO-96-1: 1980 (M), 1982-86 (M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,420 ft above NGVD of 1929, from topographic map. Prior to June 14, 2001, at datum 1.00 ft higher.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by upstream diversions for irrigation and livestock.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850 ft³/s, June 10, 1997, from slope-area measurement of peak flow, gage height, 6.56 ft, from floodmarks; no flow on many days during many years.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 35 ft³/s, July 16, gage height, 2.50 ft; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	0.00	6.1	0.11	0.00	0.27	0.00
2	---	---	---	---	---	---	0.00	5.9	0.09	0.00	0.23	0.00
3	---	---	---	---	---	---	0.34	6.5	0.07	0.00	0.24	0.00
4	---	---	---	---	---	---	0.00	7.0	0.05	0.00	0.23	0.00
5	---	---	---	---	---	---	0.00	7.0	0.04	0.00	0.31	0.00
6	---	---	---	---	---	---	0.15	6.6	0.02	0.00	0.51	0.00
7	---	---	---	---	---	---	0.06	5.8	0.00	0.00	1.3	0.00
8	---	---	---	---	---	---	1.6	5.0	0.00	0.00	0.72	0.00
9	---	---	---	---	---	---	2.7	4.3	0.00	0.00	0.38	0.00
10	---	---	---	---	---	---	2.9	3.8	0.00	0.00	0.29	0.00
11	---	---	---	---	---	---	2.1	3.4	0.00	0.00	0.33	0.00
12	---	---	---	---	---	---	1.8	2.9	0.00	0.00	0.46	0.00
13	---	---	---	---	---	---	1.5	3.1	0.00	0.00	0.38	0.00
14	---	---	---	---	---	---	1.9	3.3	0.00	0.00	0.28	0.00
15	---	---	---	---	---	---	1.9	2.4	0.00	0.01	0.27	0.00
16	---	---	---	---	---	---	1.7	1.9	0.00	1.2	0.25	0.00
17	---	---	---	---	---	---	1.6	1.6	0.00	0.08	0.25	0.00
18	---	---	---	---	---	---	1.5	1.4	0.00	0.00	0.89	0.00
19	---	---	---	---	---	---	1.3	1.2	0.00	0.00	0.49	0.00
20	---	---	---	---	---	---	1.1	0.95	0.00	0.00	0.36	0.00
21	---	---	---	---	---	---	0.94	0.90	0.02	0.00	0.29	0.04
22	---	---	---	---	---	---	1.0	0.71	0.00	0.00	0.27	0.13
23	---	---	---	---	---	---	1.1	0.58	0.00	0.06	0.26	0.00
24	---	---	---	---	---	---	0.98	0.45	0.00	0.51	0.25	0.00
25	---	---	---	---	---	---	1.9	0.39	0.00	0.22	0.24	0.00
26	---	---	---	---	---	---	2.0	0.31	0.00	0.00	0.22	0.00
27	---	---	---	---	---	---	3.0	0.23	0.02	0.00	0.22	0.00
28	---	---	---	---	---	---	5.8	0.19	0.00	0.02	0.16	0.00
29	---	---	---	---	---	---	7.1	0.15	0.00	0.78	0.13	0.00
30	---	---	---	---	---	---	6.9	0.13	0.12	0.61	0.09	0.00
31	---	---	---	---	---	---	---	0.12	---	0.38	0.05	---
TOTAL	---	---	---	---	---	---	54.87	84.31	0.54	3.87	10.62	0.17
MEAN	---	---	---	---	---	---	1.83	2.72	0.02	0.12	0.34	0.01
MAX	---	---	---	---	---	---	7.1	7.0	0.12	1.2	1.3	0.13
MIN	---	---	---	---	---	---	0.00	0.12	0.00	0.00	0.05	0.00
AC-FT	---	---	---	---	---	---	109	167	1.1	7.7	21	0.3

07099230 TURKEY CREEK ABOVE TELLER RESERVOIR NEAR STONE CITY, CO

LOCATION.--Lat 38°27'54", long 104°49'36" (revised), in SW¹/₄SW¹/₄ sec.19, T.18 S., R.66 W., Pueblo County, Hydrologic Unit 11020002, on Fort Carson Military Reservation, on left bank 0.7 mi northwest of intersection of military roads 9 and 1, 2.2 mi upstream from Teller Reservoir Dam, and 2.2 mi northeast of Stone City.

DRAINAGE AREA.--62.3 mi².

REVISED RECORDS.--WDR CO-89-1: Drainage area.

PERIOD OF RECORD.--May 1978 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07099230

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,520 ft above NGVD of 1929, from topographic map. Prior to July 21, 1989, at site 0.6 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by diversions for irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	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	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	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	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	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
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

MEAN	2.36	1.66	0.85	0.67	0.63	0.64	2.34	15.0	9.10	2.53	5.99	1.33
MAX	44.6	26.7	6.47	2.69	2.58	2.75	21.8	124	60.1	17.1	79.2	18.1
(WY)	(1985)	(1985)	(1985)	(1985)	(1985)	(1985)	(1999)	(1999)	(1997)	(1985)	(1999)	(1982)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1979)	(1979)	(1979)	(1979)	(1979)	(1979)	(1979)	(1979)	(1989)	(1978)	(1990)	(1978)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	0.02		0.00			
ANNUAL MEAN	0.00		0.00			
HIGHEST ANNUAL MEAN					21.2	1999
LOWEST ANNUAL MEAN					0.00	2002
HIGHEST DAILY MEAN	0.02	May 25	0.00	Oct 1	836	Aug 5, 1999
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	a0.00	May 18, 1978
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	May 18, 1978
MAXIMUM PEAK FLOW					b3,640	Aug 20, 1982
MAXIMUM PEAK STAGE					c11.51	Aug 20, 1982
ANNUAL RUNOFF (AC-FT)	0.04		0.00		2,660	
10 PERCENT EXCEEDS	0.00		0.00		4.7	
50 PERCENT EXCEEDS	0.00		0.00		0.35	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

a No flow many days during many years.

b From rating curve extended above 95 ft³/s on basis of slope-area measurements at gage heights 7.64 ft and 11.27 ft, site and datum then in use.

c Maximum gage height, 11.88 ft, June 8, 1987, site and datum then in use.

382629104493000 TURKEY CREEK EAST SEEPAGE BELOW TELLER RESERVOIR NEAR STONE CITY, CO

LOCATION.--Lat 38°26'29", long 104°49'33" (revised), in SW¹/₄NW¹/₄ sec.31, T.18 S., R.66 W., Pueblo County, Hydrologic Unit 11020002, on Fort Carson Military Reservation, at base of left downstream end of Teller Dam on Turkey Creek, and 2.0 mi east of Stone City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=382629104493000

GAGE.--Water-stage recorder with satellite telemetry and V-notch sharp-crested weir. Elevation of gage is 5,420 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Flows less than 0.02 ft³/s can be in error by more than 25 percent. Natural flow of stream affected by Teller Reservoir contents (station 07099233) and saturation of earthfill dam.

EXTREMES FOR PERIOD OF RECORD (dam seepage only).--Maximum daily discharge, 0.17 ft³/s, Mar. 15, 17, 2002; no flow on many days during 2004.

EXTREMES FOR CURRENT YEAR (dam seepage only).--Maximum daily discharge, 0.001 ft³/s, on many days; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000
4	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.001	0.001	0.001	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
6	0.001	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.001	0.001	0.001	e0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.001	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.001	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.001	0.001	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.001	0.001	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.001	0.001	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.001	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.001	0.001	e0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000
24	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.001	0.001	0.001	0.001	0.000	0.000	0.000	e0.000	0.000	0.000	0.000	0.000
26	0.001	0.001	0.001	0.001	0.000	0.000	0.000	e0.000	0.000	0.000	0.000	0.000
27	0.001	0.001	e0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.001	0.001	e0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.001	0.001	0.001	0.001	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.001	---	0.000	0.001	---	0.000	---	0.000	---	0.000	0.000	---
TOTAL	0.031	0.030	0.026	0.022	0.020	0.001	0.002	0.000	0.000	0.000	0.000	0.000
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
MIN	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
AC-FT	0.06	0.06	0.05	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL YR	2003	TOTAL 0.644	MEAN 0.00	MAX 0.005	MIN 0.000	AC-FT 1.3						
WTR YR	2004	TOTAL 0.132	MEAN 0.00	MAX 0.001	MIN 0.000	AC-FT 0.3						

e Estimated.

382628104493700 TURKEY CREEK WEST SEEPAGE BELOW TELLER RESERVOIR NEAR STONE CITY, CO

LOCATION.--Lat 38°26'28", long 104°49'37", in SW¹/₄NW¹/₄ sec.31, T.18 S., R.66 W., Pueblo County, Hydrologic Unit 11020002, on Fort Carson Military Reservation, at base of right downstream end of Teller Dam on Turkey Creek, and 1.9 mi east of Stone City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=382628104493700

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,420 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by Teller Reservoir contents (station 07099233) and saturation of earthfill dam.

EXTREMES FOR PERIOD OF RECORD (dam seepage only).--No flow during period of record.

EXTREMES FOR CURRENT YEAR (dam seepage only).--No flow during current year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	---	0.000	0.000	---	0.000	---	0.000	---	0.000	0.000	---
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL YR	2003	TOTAL	0.000	MEAN	0.00	MAX	0.000	MIN	0.000	AC-FT	0.00	
WTR YR	2004	TOTAL	0.000	MEAN	0.00	MAX	0.000	MIN	0.000	AC-FT	0.00	

07099238 TELLER RESERVOIR SPILLWAY NEAR STONE CITY, CO

LOCATION.--Lat 38°26'20", long 104°49'15", in NE¼SW¼ sec.31, T.18 S., R.66 W., Pueblo County, Hydrologic Unit 11020002, on Fort Carson Military Reservation, on right bank 0.4 mi southeast of Teller Reservoir Dam on Turkey Creek, and 1.2 mi southeast of Stone City.

DRAINAGE AREA.--71.5 mi².

PERIOD OF RECORD.--October 2000 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07099238

GAGE.--Water-stage recorder with satellite telemetry and broad-crested weir. Elevation of gage is 5,480 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Records represent uncontrolled overflow from Teller Reservoir and local storm runoff. There was no overflow from Teller Reservoir during the year. Published flows represent local storm runoff.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	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	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	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	0.02	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	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
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

	2001	2001	2001	2001	2001	2003	2003	2003	2003	2002	2001	2003
	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)
MEAN	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.02	0.01	0.01	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.02	0.05	0.02	0.01	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(2002)	(2001)	(2001)	(2001)	(2001)	(2003)	(2003)	(2003)	(2003)	(2002)	(2001)	(2003)
(WY)	(2002)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2002)	(2002)	(2004)	(2002)	(2001)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 2001 - 2004
ANNUAL TOTAL	4.52	0.02	
ANNUAL MEAN	0.01	0.00	0.00
HIGHEST ANNUAL MEAN			0.01 2003
LOWEST ANNUAL MEAN			0.00 2004
HIGHEST DAILY MEAN	0.99 Mar 18	0.02 Aug 20	0.99 Mar 18, 2003
LOWEST DAILY MEAN	0.00 Jan 1	0.00 Oct 1	a0.00 Oct 20, 2000
ANNUAL SEVEN-DAY MINIMUM	0.00 Jan 1	0.00 Oct 1	0.00 Oct 20, 2000
MAXIMUM PEAK FLOW		b0.53 Aug 20	b25 Jun 18, 2003
MAXIMUM PEAK STAGE		3.51 Aug 20	3.97 Jun 18, 2003
ANNUAL RUNOFF (AC-FT)	9.0	0.04	3.4
10 PERCENT EXCEEDS	0.00	0.00	0.00
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

e Estimated.

a No flow on most days.

b From rating curve based on open-channel flow computations.

07103700 FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO

LOCATION.--Lat 38°51'17", long 104°52'39", in SE¼SW¼ sec.3, T.14 S., R.67 W., El Paso County, Hydrologic Unit 11020003, on left bank 200 ft upstream from diversion to city of Colorado Springs, 0.5 mi east of bridge on U.S. Highway 24, 1.0 mi downstream from Sutherland Creek, and 3.3 mi northwest of courthouse in Colorado Spring.

DRAINAGE AREA.--103 mi².

PERIOD OF RECORD.--April 1958 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07103700

REVISED RECORDS.--WDR CO-99-1: 1997(M).

GAGE.--Water-stage recorder with satellite telemetry, crest-stage gage, and V-notch weir. Elevation of gage is 6,110 ft above NGVD of 1929, from topographic map. Feb. 4 to Apr. 15, 1992, gage temporarily located 80 ft upstream, at same datum.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by storage reservoirs, power developments, transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, and return flows from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	6.3	7.5	5.9	5.6	5.2	5.9	23	7.5	17	19	26
2	6.6	5.1	5.6	5.7	4.8	5.9	6.9	22	7.4	15	18	24
3	6.9	6.0	5.1	5.3	5.4	5.7	24	22	8.5	13	18	22
4	7.2	5.7	5.1	4.9	6.0	5.9	13	22	8.4	11	46	22
5	7.4	4.8	4.7	3.9	5.4	8.2	13	25	8.5	11	57	23
6	6.9	4.9	5.2	4.3	5.4	6.9	13	27	8.8	10	63	22
7	5.7	5.5	5.6	6.4	5.5	6.3	12	27	8.0	9.6	59	19
8	5.5	5.5	5.3	6.7	5.5	6.7	20	25	7.3	7.3	55	18
9	4.8	5.5	5.0	6.9	4.8	7.1	17	23	7.3	6.7	52	17
10	4.7	6.3	3.0	5.3	4.6	7.6	17	21	8.0	7.5	49	17
11	4.3	5.2	4.7	5.2	5.0	7.4	14	21	6.5	6.9	46	16
12	4.5	5.5	4.6	5.1	4.5	7.0	14	16	6.1	6.8	42	17
13	4.3	4.7	4.5	5.1	4.9	7.2	14	18	5.8	5.9	34	19
14	4.6	6.7	6.7	5.0	6.1	7.2	14	19	5.2	5.4	30	18
15	5.2	4.8	6.6	5.1	6.0	7.0	17	16	6.1	9.2	27	17
16	4.8	5.0	3.9	5.1	5.2	6.5	18	15	9.2	44	26	17
17	4.0	6.4	6.2	5.2	5.1	6.4	19	17	18	49	23	16
18	4.3	4.5	5.3	5.1	5.4	6.6	18	14	11	29	31	15
19	4.7	5.4	5.0	5.2	5.4	7.1	17	12	9.5	23	53	16
20	4.1	6.8	5.3	5.4	5.3	7.5	16	11	8.1	39	44	17
21	4.1	5.2	5.2	5.4	5.3	8.1	15	11	14	33	61	19
22	4.7	5.0	5.3	4.2	5.3	8.1	20	10	13	17	47	21
23	4.9	3.0	4.8	5.8	5.2	8.6	19	9.9	8.3	52	46	19
24	4.8	3.7	4.9	5.2	5.3	8.2	19	8.8	7.5	40	40	18
25	5.0	6.5	5.8	5.2	5.5	8.6	26	8.8	11	35	35	17
26	5.0	6.0	5.9	4.2	5.5	8.0	24	9.3	15	33	35	17
27	5.3	6.9	3.7	4.2	5.5	8.0	27	8.6	29	32	43	17
28	5.3	5.2	2.8	6.3	5.3	7.0	28	8.3	18	31	36	19
29	6.9	8.1	3.7	5.6	5.4	6.2	32	8.6	13	30	32	19
30	4.5	7.5	6.1	5.5	---	5.9	34	8.9	17	26	30	20
31	5.1	---	6.0	5.4	---	5.8	---	8.3	---	22	28	---
TOTAL	162.6	167.7	159.1	163.8	154.2	217.9	546.8	496.5	311.0	677.3	1,225	564
MEAN	5.25	5.59	5.13	5.28	5.32	7.03	18.2	16.0	10.4	21.8	39.5	18.8
MAX	7.4	8.1	7.5	6.9	6.1	8.6	34	27	29	52	63	26
MIN	4.0	3.0	2.8	3.9	4.5	5.2	5.9	8.3	5.2	5.4	18	15
AC-FT	323	333	316	325	306	432	1,080	985	617	1,340	2,430	1,120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

	MEAN	12.5	10.7	8.76	8.07	7.65	9.04	14.8	32.5	30.8	21.3	20.8	14.5
MAX	44.0	34.6	18.8	18.5	13.6	16.9	65.1	172	198	108	90.5	43.2	
(WY)	(1985)	(1985)	(1985)	(1985)	(1986)	(1998)	(1999)	(1980)	(1997)	(1995)	(1999)	(1999)	(1999)
MIN	4.43	4.84	3.98	4.22	4.44	4.91	5.90	6.37	4.08	3.31	3.48	4.34	
(WY)	(2003)	(2003)	(2003)	(2003)	(1972)	(1965)	(1963)	(1989)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	2,735.6		4,845.9			
ANNUAL MEAN	7.49		13.2		16.0	
HIGHEST ANNUAL MEAN					46.3	
LOWEST ANNUAL MEAN					5.72	
HIGHEST DAILY MEAN	23	Jun 26	63	Aug 6	813	Apr 30, 1999
LOWEST DAILY MEAN	2.8	Jan 10	2.8	Dec 28	1.9	Jul 3, 2002
ANNUAL SEVEN-DAY MINIMUM	3.9	Feb 3	4.4	Oct 16	2.3	Jun 28, 2002
MAXIMUM PEAK FLOW			680	Aug 4	2,630	Aug 4, 1964
MAXIMUM PEAK STAGE			5.70	Aug 4	5.27	Aug 4, 1964
ANNUAL RUNOFF (AC-FT)	5,430		9,610		11,570	
10 PERCENT EXCEEDS	12		30		29	
50 PERCENT EXCEEDS	6.7		7.4		9.7	
90 PERCENT EXCEEDS	4.3		4.8		5.4	

a From slope-area measurement of peak flow.

b Maximum gage height, 7.81 ft, Apr 29, 1999, from floodmark.

07103703 CAMP CREEK AT GARDEN OF THE GODS, CO

LOCATION.--Lat 38°52'37", long 104°52'20", in SE¼NE¼ sec.34, T.13 S., R.67 W., El Paso County, Hydrologic Unit 11020003, on left bank, 80 ft downstream from county road bridge at east entrance to Garden of the Gods Park at Colorado Springs, and 1.9 mi upstream from mouth.

DRAINAGE AREA.--9.45 mi².

PERIOD OF RECORD.--April 1992 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07103703

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Concrete control since September 1993. Elevation of gage is 6,310 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Natural flow of stream may be affected by Palmer Reservoir, 7.9 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
5	0.00	0.00	0.00	e0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00
6	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
9	0.00	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	0.01	0.01	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.03	0.01	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.02	0.01
22	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.12	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.03	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
29	0.00	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
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.02	0.23	0.08	0.15	0.34	0.35	0.01
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.08	0.05	0.15	0.18	0.01
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.04	0.5	0.2	0.3	0.7	0.7	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	0.01	0.00	0.00	0.00	0.00	0.06	1.87	8.35	4.71	0.61	0.53	0.09
MAX	0.12	0.00	0.00	0.01	0.00	0.38	15.7	45.5	27.7	6.78	5.66	0.76
(WY)	(1995)	(1999)	(1993)	(1995)	(1998)	(1996)	(1999)	(1999)	(1997)	(1995)	(1999)	(1994)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1993)	(1993)	(1994)	(1993)	(1993)	(1994)	(1994)	(2004)	(2000)	(1993)	(1993)	(1993)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	0.71		1.18			
ANNUAL MEAN	0.00		0.00		1.44	
HIGHEST ANNUAL MEAN					6.48	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	0.07	May 1	0.18	Aug 4	240	Apr 29, 1999
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	a0.00	Aug 15, 1992
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Aug 15, 1992
MAXIMUM PEAK FLOW			10	Jul 16	b430	Apr 29, 1999
MAXIMUM PEAK STAGE			2.94	Jul 16	c5.40	Apr 29, 1999
ANNUAL RUNOFF (AC-FT)	1.4		2.3		1,040	
10 PERCENT EXCEEDS	0.00		0.00		0.48	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated.

a No flow on many days during many years.

b From rating curve extended above 327 ft³/s.

c From floodmarks.

07103740 NORTH MONUMENT CREEK AT SPRING STREET AT PALMER LAKE, CO

LOCATION.--Lat 39°06'56", long 104°54'43", in SW¹/₄SE¹/₄ sec.5, T.11 S., R.67 W., El Paso County, Hydrologic Unit 11020003, on left bank at downstream side of bridge on Spring Street at Palmer Lake, 0.1 mi upstream from mouth, and 2.3 mi upstream from Monument Lake.

DRAINAGE AREA.--16.0 mi².

PERIOD OF RECORD.--June 2002 to September 2004 (seasonal records only), discontinued. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07103740

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,120 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs and diversions for municipal supply of Monument and Palmer Lake.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 38 ft³/s, Apr. 28, 2003, gage height, 4.57 ft, from rating curve extended above 21 ft³/s; no flow on many days.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 13 ft³/s, Apr. 28, gage height, 4.26 ft, minimum daily, 0.04 ft³/s, Sep. 17-19.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	0.08	0.58	8.9	0.84	1.5	0.94	0.13
2	---	---	---	---	---	0.06	0.54	8.2	0.80	1.2	0.86	0.11
3	---	---	---	---	---	0.06	0.54	7.6	0.74	0.99	0.74	0.10
4	---	---	---	---	---	0.07	0.54	7.0	0.74	0.87	0.62	0.10
5	---	---	---	---	---	0.07	0.57	6.6	0.68	0.79	0.58	0.10
6	---	---	---	---	---	0.11	0.72	6.2	0.62	0.73	0.60	0.11
7	---	---	---	---	---	0.13	1.5	5.6	0.56	0.67	0.54	0.10
8	---	---	---	---	---	0.14	2.7	5.1	0.51	0.54	0.49	0.09
9	---	---	---	---	---	0.15	4.5	4.7	0.47	0.49	0.44	0.09
10	---	---	---	---	---	0.15	4.1	4.3	0.43	0.45	0.38	0.08
11	---	---	---	---	---	0.16	3.6	3.8	0.36	0.48	0.35	0.07
12	---	---	---	---	---	0.18	3.8	4.3	0.31	0.46	0.32	0.06
13	---	---	---	---	---	0.21	4.2	3.7	0.28	0.41	0.28	0.06
14	---	---	---	---	---	0.24	4.5	3.4	0.24	e0.37	0.25	0.05
15	---	---	---	---	---	0.27	4.3	3.4	0.21	e0.40	0.22	0.05
16	---	---	---	---	---	0.30	3.9	3.0	0.20	e1.0	0.19	0.05
17	---	---	---	---	---	0.33	3.5	2.7	0.19	e1.2	0.17	0.04
18	---	---	---	---	---	0.36	3.4	2.6	0.18	e1.8	0.14	0.04
19	---	---	---	---	---	0.39	3.0	2.3	0.24	e0.76	0.14	0.04
20	---	---	---	---	---	0.44	2.9	2.1	0.41	0.73	0.12	---
21	---	---	---	---	---	0.49	2.7	2.0	0.53	0.66	0.11	---
22	---	---	---	---	---	0.54	2.8	1.8	0.71	0.71	0.12	---
23	---	---	---	---	---	0.63	2.9	1.7	0.64	0.96	0.13	---
24	---	---	---	---	---	0.74	3.7	1.5	0.59	1.9	0.13	---
25	---	---	---	---	---	0.73	5.7	1.5	0.60	2.4	0.13	---
26	---	---	---	---	---	0.68	7.8	1.3	1.0	1.9	0.12	---
27	---	---	---	---	---	0.63	11	1.2	0.97	1.6	0.15	---
28	---	---	---	---	---	0.65	12	1.1	1.2	1.6	0.17	---
29	---	---	---	---	---	0.65	11	1.1	0.96	1.4	0.18	---
30	---	---	---	---	---	0.64	10	0.99	1.1	1.2	0.17	---
31	---	---	---	---	---	0.59	---	0.90	---	1.1	0.15	---
TOTAL	---	---	---	---	---	10.87	122.99	110.59	17.31	31.27	9.93	---
MEAN	---	---	---	---	---	0.35	4.10	3.57	0.58	1.01	0.32	---
MAX	---	---	---	---	---	0.74	12	8.9	1.2	2.4	0.94	---
MIN	---	---	---	---	---	0.06	0.54	0.90	0.18	0.37	0.11	---
AC-FT	---	---	---	---	---	22	244	219	34	62	20	---

e Estimated.

07103780 MONUMENT CREEK ABOVE NORTH GATE BOULEVARD AT U.S. AIR FORCE ACADEMY, CO

LOCATION.--Lat 39°01'52", long 104°50'52", in SW¹/₄SW¹/₄ sec.1, T.12 S., R.67 W., El Paso County, Hydrologic Unit 11020003, on U.S. Air Force Academy, on right bank 50 ft upstream from Denver and Rio Grande Western Railroad bridge, 0.8 mi upstream from North Gate Boulevard, and 1.5 mi downstream from Beaver Creek.

DRAINAGE AREA.--81.7 mi².

PERIOD OF RECORD.--April 1985 to September 2003. October 2003 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07103780

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,640 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by storage reservoirs, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,790 ft³/s, Apr. 30, 1999, from slope-area measurement of peak flow, gage height, 9.01 ft, from floodmarks; minimum daily, 0.58 ft³/s, Oct. 15, 1989.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 173 ft³/s, Aug. 22, gage height, 7.95 ft, from rating curve extended above 54 ft³/s on basis of slope-area measurement of peak flow; minimum daily, 1.7 ft³/s, Sept. 18 and 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	---	---	---	---	---	5.4	20	5.3	6.2	4.7	3.6
2	2.4	---	---	---	---	---	3.8	18	4.3	5.2	4.4	3.0
3	3.2	---	---	---	---	---	3.4	16	4.2	3.8	3.6	3.2
4	2.7	---	---	---	---	---	4.3	14	4.0	3.7	3.4	2.6
5	2.6	---	---	---	---	---	3.5	14	3.8	4.0	4.8	2.5
6	2.6	---	---	---	---	---	3.9	13	3.8	3.9	5.4	2.6
7	2.6	---	---	---	---	---	4.0	13	3.7	3.5	4.2	2.6
8	2.5	---	---	---	---	---	6.8	12	3.4	3.4	4.3	2.5
9	2.5	---	---	---	---	---	7.5	11	2.8	4.4	4.0	2.3
10	2.9	---	---	---	---	---	9.1	9.8	2.8	20	4.3	2.5
11	2.6	---	---	---	---	---	7.9	7.8	2.7	3.8	3.1	2.1
12	2.5	---	---	---	---	---	7.4	6.7	3.0	3.0	3.0	2.0
13	2.5	---	---	---	---	---	8.3	8.5	3.4	3.3	4.5	1.9
14	2.7	---	---	---	---	---	7.7	9.2	3.4	3.0	4.2	1.9
15	2.6	---	---	---	---	---	7.3	8.2	3.4	2.8	4.2	1.9
16	2.5	---	---	---	---	---	7.7	7.9	3.5	3.7	4.5	1.9
17	3.1	---	---	---	---	---	7.9	7.6	4.0	10	3.9	2.2
18	2.7	---	---	---	---	---	6.8	7.9	4.1	3.6	3.7	1.7
19	2.7	---	---	---	---	---	6.0	7.8	4.7	2.6	3.7	1.9
20	2.6	---	---	---	---	---	6.5	6.9	3.7	2.6	4.1	1.8
21	2.7	---	---	---	---	---	6.6	6.9	4.6	2.6	3.9	1.7
22	2.7	---	---	---	---	---	8.1	6.3	5.5	2.5	19	1.8
23	2.3	---	---	---	---	---	11	6.5	3.6	4.4	15	2.1
24	2.4	---	---	---	---	---	14	7.1	4.4	6.4	4.7	2.1
25	2.2	---	---	---	---	---	20	6.0	4.6	5.6	4.3	2.0
26	2.4	---	---	---	---	---	19	6.8	4.3	5.1	3.5	2.2
27	2.6	---	---	---	---	---	20	6.2	18	6.0	4.6	2.2
28	2.7	---	---	---	---	---	23	6.3	9.3	5.9	5.5	2.3
29	3.1	---	---	---	---	---	22	6.2	4.7	4.5	4.3	2.7
30	3.4	---	---	---	---	---	22	6.2	5.4	5.8	4.1	3.0
31	4.0	---	---	---	---	---	---	5.6	---	5.0	3.7	---
TOTAL	83.5	---	---	---	---	---	290.9	289.4	138.4	150.3	154.6	68.8
MEAN	2.69	---	---	---	---	---	9.70	9.34	4.61	4.85	4.99	2.29
MAX	4.0	---	---	---	---	---	23	20	18	20	19	3.6
MIN	2.2	---	---	---	---	---	3.4	5.6	2.7	2.5	3.0	1.7
AC-FT	166	---	---	---	---	---	577	574	275	298	307	136

07103797 WEST MONUMENT CREEK BELOW RAMPART RESERVOIR, CO

LOCATION.--Lat 38°58'30", long 104°57'18", in NE¹/₄SE¹/₄ sec.26, T.12 S., R.68 W., El Paso County, Hydrologic Unit 11020003, on Pike National Forest, on right bank 0.1 mi below Wildcat Gulch, and 0.5 mi below Rampart Reservoir.

DRAINAGE AREA.--7.29 mi².

PERIOD OF RECORD.--November 1993 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07103797

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,710 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by storage reservoir and transmountain diversions. Flow mostly regulated by Rampart Reservoir 0.5 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	3.7	4.9	4.4	4.1	4.2	3.2	4.1	3.6	3.6	3.8	3.8
2	4.1	3.7	4.9	4.5	4.1	4.2	3.3	3.9	3.6	3.6	3.7	3.8
3	4.1	3.9	4.8	4.5	4.1	4.2	3.4	3.8	3.6	3.5	3.7	3.8
4	4.1	3.9	4.8	4.5	4.1	4.0	3.5	3.8	3.6	3.5	3.7	3.8
5	4.0	3.9	4.8	4.5	4.1	5.4	3.6	3.8	3.6	3.5	3.8	3.8
6	4.1	3.9	4.8	4.5	4.1	4.4	3.6	3.8	3.6	3.7	3.8	3.8
7	4.0	4.1	4.9	4.5	4.1	3.2	3.6	3.8	3.6	3.8	3.7	3.8
8	4.0	4.1	5.1	4.5	4.1	3.3	3.8	3.8	3.6	3.8	3.7	3.8
9	3.8	4.0	5.2	4.5	4.2	3.4	3.7	3.8	3.7	4.2	3.7	3.8
10	3.9	4.0	5.2	4.6	4.2	3.3	3.4	3.9	3.7	4.4	3.6	3.9
11	3.9	4.0	5.2	4.6	4.0	3.4	3.4	3.9	3.6	4.3	3.7	3.8
12	4.0	4.1	5.3	4.6	4.0	3.4	3.4	3.8	3.6	4.3	3.7	3.8
13	4.0	4.3	5.3	4.5	4.0	3.4	3.4	3.9	3.6	4.2	3.7	3.7
14	4.0	4.3	5.3	4.3	4.0	3.4	3.6	3.9	3.6	4.3	3.7	3.6
15	4.0	4.3	5.3	4.3	4.1	3.4	3.7	3.9	3.7	4.3	3.7	3.6
16	4.0	4.3	5.3	4.3	4.0	3.4	3.4	3.9	3.7	4.7	3.8	3.5
17	4.0	4.3	5.3	4.3	4.1	3.4	3.5	4.0	3.8	4.9	3.9	3.5
18	4.0	4.3	5.3	4.3	4.0	3.3	3.5	4.0	3.8	4.9	4.0	3.5
19	4.0	4.3	5.3	4.3	4.1	3.3	3.4	4.0	3.7	5.4	4.2	3.6
20	4.0	4.3	5.2	4.2	4.1	3.5	3.6	3.9	3.7	5.7	4.1	3.5
21	4.0	4.3	5.3	4.1	4.1	3.6	3.7	3.9	3.6	5.3	4.1	3.6
22	3.9	4.5	5.1	4.1	4.1	3.6	3.7	4.1	3.3	5.2	4.1	3.6
23	3.8	4.6	4.9	4.1	4.1	3.6	3.7	4.0	3.3	5.6	4.0	3.6
24	3.8	4.7	5.0	4.1	4.1	3.6	4.0	4.0	3.4	5.7	4.0	3.6
25	3.8	4.8	4.8	4.1	4.1	3.6	4.2	4.0	3.5	5.3	4.0	3.6
26	3.8	4.9	4.7	4.1	4.1	3.6	4.5	3.9	3.5	4.9	4.0	3.6
27	3.8	5.1	4.7	4.1	4.1	3.6	4.8	3.8	3.7	4.9	4.1	3.6
28	3.8	5.1	4.5	4.1	4.1	3.6	4.7	3.8	3.8	4.9	4.1	3.6
29	3.8	5.0	4.4	4.2	4.2	3.4	4.6	3.8	3.6	4.8	4.0	3.6
30	3.8	4.9	4.5	4.1	---	3.1	4.3	3.8	3.7	4.5	3.9	3.6
31	3.8	---	4.4	4.1	---	3.2	---	3.7	---	4.0	3.8	---
TOTAL	122.2	129.6	154.5	133.9	118.6	112.0	112.2	120.5	108.4	139.7	119.8	110.2
MEAN	3.94	4.32	4.98	4.32	4.09	3.61	3.74	3.89	3.61	4.51	3.86	3.67
MAX	4.1	5.1	5.3	4.6	4.2	5.4	4.8	4.1	3.8	5.7	4.2	3.9
MIN	3.8	3.7	4.4	4.1	4.0	3.1	3.2	3.7	3.3	3.5	3.6	3.5
AC-FT	242	257	306	266	235	222	223	239	215	277	238	219

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	4.42	4.90	5.54	5.32	5.46	5.23	5.55	6.55	6.72	7.45	6.57	5.39
MAX	10.1	10.6	9.68	9.36	8.75	10.7	10.5	17.5	15.1	20.6	15.7	12.2
(WY)	(1995)	(1995)	(1994)	(1996)	(1996)	(1994)	(1996)	(1996)	(1996)	(1994)	(1994)	(1994)
MIN	3.35	2.86	2.90	3.15	3.22	3.16	3.58	3.40	3.14	3.08	3.36	2.90
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	1,418.1		1,481.6			
ANNUAL MEAN	3.89		4.05		5.30	
HIGHEST ANNUAL MEAN					10.0	1996
LOWEST ANNUAL MEAN					3.21	2002
HIGHEST DAILY MEAN	5.3	Dec 12	5.7	Jul 20	29	Jul 10, 1994
LOWEST DAILY MEAN	3.2	Jan 9	3.1	Mar 30	1.4	Jan 14, 1997
ANNUAL SEVEN-DAY MINIMUM	3.3	Jan 8	3.3	Mar 29	2.7	Nov 9, 2001
MAXIMUM PEAK FLOW			8.5	Mar 5	a46	Jun 6, 1997
MAXIMUM PEAK STAGE			4.62	Mar 5	5.54	Jun 6, 1997
ANNUAL RUNOFF (AC-FT)	2,810		2,940		3,840	
10 PERCENT EXCEEDS	4.6		4.9		8.9	
50 PERCENT EXCEEDS	3.8		4.0		4.1	
90 PERCENT EXCEEDS	3.4		3.5		3.3	

a From rating curve extended above 30 ft³/s.

07103800 WEST MONUMENT CREEK AT U.S. AIR FORCE ACADEMY, CO

LOCATION.--Lat 38°58'14", long 104°54'08", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.12 S., R.67 W., El Paso County, Hydrologic Unit 11020003, on Pike National Forest, on left bank 500 ft upstream from diversion to city of Colorado Springs water-treatment plant, 2.7 mi south of U.S. Air Force Academy Chapel, and 4.4 mi upstream from mouth.

DRAINAGE AREA.--14.9 mi².

PERIOD OF RECORD.--May 1970 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07103800

REVISED RECORDS.--WDR CO-99-1: 1997.

GAGE.--Water-stage recorder with satellite telemetry and V-notch sharp-crested weir. Elevation of gage is 7,180 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, transmountain diversions, and diversions for municipal use. Flow mostly regulated by Rampart Reservoir 4.5 mi upstream, Nichols Reservoir 3.5 mi upstream, and Northfield Reservoir 2.7 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.7	3.5	3.7	3.7	3.7	0.49	2.0	0.67	0.58	0.71	0.48
2	2.9	3.7	3.5	3.7	3.7	3.7	0.50	2.1	0.67	0.53	0.70	0.45
3	3.0	3.7	3.4	3.7	3.7	3.0	0.66	2.1	0.64	0.51	0.68	0.45
4	3.2	3.6	3.3	3.7	3.7	0.48	0.63	2.1	0.62	0.50	0.67	0.45
5	3.4	3.5	3.1	3.7	3.7	0.46	0.67	2.1	0.61	0.47	0.70	0.46
6	3.4	3.4	3.1	3.7	3.7	0.63	0.67	2.0	0.58	0.47	0.67	0.44
7	3.4	3.3	3.1	3.7	3.7	0.46	0.67	2.0	0.56	0.46	0.64	0.43
8	3.4	3.2	3.1	3.7	3.7	0.47	0.98	1.9	0.55	0.45	0.61	0.42
9	3.4	3.2	3.1	3.7	3.7	0.49	0.98	1.9	0.56	0.63	0.61	0.42
10	3.4	3.2	3.1	3.7	3.7	0.50	0.92	1.8	0.53	0.70	0.60	0.40
11	3.5	3.1	3.2	3.7	3.7	0.50	0.84	1.7	0.52	0.54	0.61	0.40
12	3.5	3.1	3.2	3.7	3.7	e2.0	0.85	1.6	0.50	0.48	0.59	0.40
13	3.5	3.3	3.3	3.7	3.7	5.7	0.86	1.6	0.48	0.44	0.58	0.40
14	3.5	3.5	3.6	3.7	3.7	5.8	0.85	1.6	0.47	0.45	0.53	0.40
15	3.4	3.6	3.5	3.7	3.7	5.8	1.1	1.6	0.46	0.45	0.53	0.40
16	3.5	3.4	3.4	3.7	3.7	5.6	2.2	1.4	0.49	0.55	0.50	0.40
17	3.5	3.3	3.3	3.7	3.7	5.6	0.87	1.3	0.52	0.70	0.49	0.38
18	3.5	3.2	3.2	3.7	3.7	5.6	0.79	1.2	0.55	0.64	0.60	0.38
19	3.4	3.2	3.6	3.7	3.7	5.6	0.70	1.1	0.55	0.60	0.66	0.40
20	3.3	3.5	3.6	3.7	3.7	5.6	0.73	1.1	0.52	0.70	0.61	0.39
21	3.2	3.7	3.5	3.7	3.7	3.4	0.73	1.00	0.65	0.64	0.62	0.43
22	3.2	3.8	3.5	3.7	3.7	1.5	0.80	0.95	0.59	0.58	0.71	0.47
23	3.2	3.7	3.8	3.7	3.7	1.5	0.88	0.91	0.53	0.77	0.68	0.45
24	3.2	3.7	3.8	3.7	3.7	1.5	1.0	0.88	0.48	1.1	0.61	0.40
25	3.2	3.7	3.7	3.7	3.7	1.4	1.3	0.84	0.53	1.1	0.58	0.40
26	3.2	3.7	3.7	3.7	3.7	0.66	1.6	0.83	0.55	0.93	0.53	0.40
27	3.1	3.6	3.6	3.7	3.7	0.63	2.0	0.78	0.65	0.88	0.61	0.40
28	3.2	3.5	3.5	3.7	3.7	0.58	2.2	0.77	0.69	0.86	0.58	0.41
29	3.6	3.6	3.5	3.7	3.7	0.55	2.2	0.73	0.63	0.81	0.53	0.43
30	3.5	3.5	3.6	3.7	---	0.52	2.1	0.71	0.62	0.80	0.50	0.40
31	3.5	---	3.7	3.7	---	0.50	---	0.70	---	0.77	0.50	---
TOTAL	103.2	104.2	106.1	114.7	107.3	74.43	31.77	43.30	16.97	20.09	18.74	12.54
MEAN	3.33	3.47	3.42	3.70	3.70	2.40	1.06	1.40	0.57	0.65	0.60	0.42
MAX	3.6	3.8	3.8	3.7	3.7	5.8	2.2	2.1	0.69	1.1	0.71	0.48
MIN	2.9	3.1	3.1	3.7	3.7	0.46	0.49	0.70	0.46	0.44	0.49	0.38
AC-FT	205	207	210	228	213	148	63	86	34	40	37	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2004, BY WATER YEAR (WY)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004			
MEAN	1.88	1.37	1.01	0.82	0.59	0.60	2.04	6.61	4.29	2.27	2.61	1.71																										
MAX	11.7	7.74	8.62	8.78	4.21	2.46	12.4	41.2	30.6	23.3	23.8	20.3																										
(WY)	(1972)	(1971)	(1971)	(1971)	(1999)	(1971)	(1971)	(1999)	(1997)	(1970)	(1970)	(1970)																										
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.20	0.03	0.02	0.00	0.00																										
(WY)	(1993)	(1993)	(1994)	(1993)	(1976)	(1991)	(1989)	(1976)	(1976)	(1993)	(1993)	(1993)																										

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1970 - 2004	
ANNUAL TOTAL	787.27		753.34			
ANNUAL MEAN	2.16		2.06		1.94	
HIGHEST ANNUAL MEAN					13.4	
LOWEST ANNUAL MEAN					0.10	
HIGHEST DAILY MEAN	4.3	Sep 6	5.8	Mar 14	e116	Apr 30, 1999
LOWEST DAILY MEAN	0.20	Jan 7	0.38	Sep 17	a0.00	Jan 29, 1976
ANNUAL SEVEN-DAY MINIMUM	0.20	Jan 5	0.39	Sep 14	0.00	Jan 29, 1976
MAXIMUM PEAK FLOW			5.8		b132	
MAXIMUM PEAK STAGE			1.51		c3.41	
ANNUAL RUNOFF (AC-FT)	1,560		1,490		1,400	
10 PERCENT EXCEEDS	3.5		3.7		4.0	
50 PERCENT EXCEEDS	2.9		1.6		0.55	
90 PERCENT EXCEEDS	0.27		0.47		0.07	

e Estimated.

a No flow many days during 1976, 1991-92.

b From rating curve extended above 105 ft³/s.

c From floodmarks, maximum gage height, 3.88 ft, Dec. 22, 1983, backwater from ice.

07103970 MONUMENT CREEK ABOVE WOODMEN ROAD AT COLORADO SPRINGS, CO

LOCATION.--Lat 38°56'02", long 104°49'00", in SW 1/4 NE 1/4 sec. 7, T.13 S., R.66 W., El Paso County, Hydrologic Unit 11020003, on right bank 0.1 mi upstream from Woodmen Road at Colorado Springs, 0.2 mi west of Interstate 25, and 0.5 mi upstream from Cottonwood Creek.

DRAINAGE AREA.--181 mi².

PERIOD OF RECORD.--October 1996 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07103970

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 6,270 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	10	13	e12	e11	14	14	28	7.8	27	9.4	9.1
2	9.8	9.6	12	12	e11	14	13	26	7.3	16	9.8	8.9
3	11	10	11	e11	e11	14	28	23	6.5	12	11	10
4	13	9.9	e11	e10	e10	17	17	21	6.6	8.8	145	19
5	10	10	e11	e9.0	e10	24	14	20	7.3	8.7	66	10
6	9.8	10	12	e8.5	e9.5	17	12	19	6.3	8.4	19	8.4
7	9.9	11	12	e9.0	e9.5	12	11	18	6.0	7.6	13	8.2
8	9.5	11	12	e11	e10	12	44	17	5.9	7.2	8.6	7.4
9	9.5	11	e12	e13	e9.5	12	18	16	6.2	46	9.6	7.3
10	10	11	e11	e13	e10	15	26	14	7.6	136	9.6	7.9
11	10	10	e10	e13	e9.5	13	25	12	6.9	19	8.6	7.4
12	9.8	11	e10	e13	e9.0	11	23	10	4.8	12	7.7	6.3
13	9.5	12	e10	e13	e8.0	13	20	20	5.4	9.9	8.7	6.5
14	10	12	e11	e12	e9.0	14	19	21	6.7	7.9	8.3	6.6
15	10	12	e11	e11	e10	13	17	18	7.5	8.0	7.7	6.1
16	10	13	e10	11	e10	13	17	16	6.7	47	8.2	6.4
17	11	13	e10	10	e12	14	17	21	27	31	8.0	6.2
18	11	12	e11	e11	e13	14	17	16	21	12	19	6.4
19	11	12	e12	e12	e14	17	15	13	14	21	25	6.7
20	10	12	e13	13	e15	14	16	12	13	11	14	6.3
21	10	12	13	e12	15	14	16	11	30	8.0	12	16
22	11	e12	13	e12	14	12	28	10	15	10	47	17
23	10	e12	e12	e13	13	13	33	9.5	10	52	38	7.7
24	9.3	e12	e12	e12	13	14	27	9.8	9.9	50	16	6.4
25	9.3	e12	e12	e11	13	14	47	8.9	17	32	10	6.4
26	9.5	e12	e11	e10	14	13	31	9.7	15	20	8.2	6.0
27	11	e12	e11	e9.0	14	12	28	8.6	81	19	34	7.1
28	10	e12	e10	e9.5	16	12	30	8.7	46	21	19	9.9
29	10	e13	e10	e10	15	14	30	9.0	17	16	12	7.9
30	9.5	13	e10	e11	---	14	32	8.7	72	14	10	8.2
31	9.7	---	e11	e12	---	14	---	8.2	---	11	10	---
TOTAL	314.1	344.5	350	349.0	338.0	433	685	463.1	493.4	709.5	632.4	253.7
MEAN	10.1	11.5	11.3	11.3	11.7	14.0	22.8	14.9	16.4	22.9	20.4	8.46
MAX	13	13	13	13	16	24	47	28	81	136	145	19
MIN	9.3	9.6	10	8.5	8.0	11	11	8.2	4.8	7.2	7.7	6.0
AC-FT	623	683	694	692	670	859	1,360	919	979	1,410	1,250	503

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001	2002	2003	2004				
MEAN	17.0	17.0	14.8	15.1	15.2	19.1	49.6	87.8	50.5	24.8	30.8	15.1
MAX	30.3	30.1	22.1	23.2	22.1	35.5	124	383	152	66.0	100	29.3
(WY)	(2000)	(1998)	(2001)	(2000)	(2000)	(1998)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)
MIN	8.81	8.05	7.05	7.20	7.69	12.3	12.5	13.0	8.09	7.56	5.22	7.11
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(1997)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1997 - 2004
ANNUAL TOTAL	5,343.8	5,365.7	
ANNUAL MEAN	14.6	14.7	29.8
HIGHEST ANNUAL MEAN			80.2
LOWEST ANNUAL MEAN			11.2
HIGHEST DAILY MEAN	157	Aug 31	2,000
LOWEST DAILY MEAN	3.5	Aug 26	3.5
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 20	4.4
MAXIMUM PEAK FLOW			a3,600
MAXIMUM PEAK STAGE			b9.70
ANNUAL RUNOFF (AC-FT)	10,600	10,640	21,600
10 PERCENT EXCEEDS	27	23	53
50 PERCENT EXCEEDS	11	12	16
90 PERCENT EXCEEDS	6.5	7.8	8.0

e Estimated.

a From rating curve extended above 636 ft³/s.

b From floodmark, maximum gage height, 10.98 ft, Apr 30, 1999, from floodmark.

07103980 COTTONWOOD CREEK AT WOODMEN ROAD NEAR COLORADO SPRINGS, CO

LOCATION.--Lat 38°56'22", long 104°44'26", in NE¼NE¼ sec.11, T.13 S., R.66 W., El Paso County, Hydrologic Unit 11020003, on left bank, 250 ft downstream from Woodmen Road, 4.0 mi east of Interstate 25, 5.0 mi upstream from mouth, and 8.2 mi northeast of courthouse in Colorado Springs.

DRAINAGE AREA.--10.3 mi².

PERIOD OF RECORD.--May 1992 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07103980

REVISED RECORDS.--WDR CO-93-1: Drainage area. WDR CO-96-1: 1995 (M)

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,680 ft above NGVD of 1929, from topographic map. Prior to Apr. 13, 1999, at site 150 ft upstream at datum 10 ft higher.

REMARKS.--Records fair except for estimated daily discharges and those above 10 ft³/s, which are poor. Natural flow of stream affected by erosion-control and livestock-watering reservoirs and ground-water withdrawals.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.68	0.60	0.83	e0.50	e0.40	0.61	0.52	1.4	0.63	1.00	0.82	1.1
2	0.63	0.45	0.69	e0.50	e0.40	0.66	0.76	1.2	0.64	0.73	0.95	1.1
3	0.70	0.57	0.74	e0.45	e0.40	0.78	4.5	0.93	0.66	0.59	1.3	1.0
4	1.1	0.43	0.91	e0.40	e0.35	1.2	0.60	0.79	0.59	0.58	26	7.6
5	1.1	0.43	e0.85	e0.40	e0.35	3.0	0.34	0.77	0.66	0.59	e4.0	e1.6
6	0.99	0.44	e0.80	e0.40	e0.30	1.3	0.38	0.74	0.55	0.58	e2.0	e1.0
7	0.86	0.41	e0.80	e0.45	e0.30	0.87	0.55	0.91	0.53	0.59	e1.2	e0.95
8	0.86	0.40	e0.80	e0.45	e0.35	0.79	10	0.85	0.52	0.57	e2.0	e0.90
9	0.71	0.40	0.81	e0.50	e0.35	0.73	e0.50	0.90	0.54	11	e1.0	e0.88
10	0.64	0.52	0.82	e0.50	e0.35	1.2	1.1	0.96	0.67	8.9	2.0	e0.86
11	0.40	0.59	e0.80	e0.50	e0.30	0.74	0.68	1.0	0.77	0.83	1.5	e0.86
12	0.39	0.54	e0.75	e0.50	e0.30	0.50	1.4	1.1	0.83	0.68	1.3	e0.84
13	0.49	0.54	e0.75	e0.55	e0.30	0.50	0.56	3.9	0.76	0.52	1.6	e0.84
14	0.50	0.53	e0.80	e0.55	e0.35	0.46	0.46	1.5	0.61	0.55	1.5	e0.82
15	0.49	0.49	e0.75	e0.55	e0.35	0.47	0.33	1.1	0.70	0.75	1.5	0.82
16	0.34	0.72	e0.70	e0.60	e0.35	0.55	0.38	1.2	1.00	15	1.9	0.79
17	0.38	0.71	e0.80	e0.55	e0.40	0.60	0.63	5.3	7.0	1.4	1.9	0.78
18	0.46	0.68	e0.75	e0.50	0.41	0.55	0.40	1.0	1.4	0.95	5.2	0.77
19	0.57	0.82	e0.80	e0.50	1.1	0.54	0.36	0.93	1.3	1.3	4.9	0.94
20	0.60	0.75	e0.80	e0.50	1.3	0.49	0.44	1.2	3.4	1.4	2.3	0.90
21	0.55	0.72	e0.85	e0.45	0.90	0.55	0.57	1.2	6.5	0.61	2.2	2.4
22	0.54	e0.70	0.85	e0.45	0.73	0.49	4.3	1.1	0.70	1.8	7.5	2.1
23	0.64	e0.65	e0.80	e0.45	0.60	0.47	4.7	0.96	0.63	16	2.0	1.1
24	0.65	e0.60	e0.80	e0.35	0.65	0.42	1.7	0.82	0.61	7.3	1.9	0.97
25	0.67	e0.60	0.81	e0.30	0.65	0.38	7.3	0.75	1.3	4.8	1.9	0.79
26	0.61	e0.65	0.70	e0.35	0.59	0.46	0.59	0.71	3.0	0.78	1.8	0.96
27	0.54	e0.60	e0.65	e0.35	0.68	0.52	0.74	0.76	27	1.1	5.2	1.7
28	0.55	e0.65	e0.60	e0.45	0.62	0.55	0.75	0.64	1.3	1.3	0.98	1.2
29	0.66	e0.80	e0.50	e0.50	0.51	0.47	0.83	0.85	0.77	2.3	0.83	0.84
30	0.61	1.0	e0.50	e0.55	---	0.44	1.3	0.67	6.5	1.2	0.94	0.98
31	0.68	---	e0.45	e0.50	---	0.47	---	0.71	---	1.0	1.3	---
TOTAL	19.59	17.99	23.26	14.55	14.64	21.76	47.67	36.85	72.07	86.70	91.42	38.39
MEAN	0.63	0.60	0.75	0.47	0.50	0.70	1.59	1.19	2.40	2.80	2.95	1.28
MAX	1.1	1.0	0.91	0.60	1.3	3.0	10	5.3	27	16	26	7.6
MIN	0.34	0.40	0.45	0.30	0.30	0.38	0.33	0.64	0.52	0.52	0.82	0.77
AC-FT	39	36	46	29	29	43	95	73	143	172	181	76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	1.15	1.03	0.76	0.65	0.78	1.20	1.81	2.93	2.91	2.26	2.43	1.33	
MAX	2.59	3.20	1.71	1.36	1.26	3.34	6.42	13.6	8.85	5.07	6.36	2.82	
(WY)	(1995)	(1998)	(2000)	(1998)	(1998)	(1998)	(1999)	(1999)	(1995)	(1999)	(1999)	(1995)	
MIN	0.35	0.47	0.31	0.33	0.42	0.49	0.50	0.64	0.49	0.24	0.40	0.47	
(WY)	(1993)	(1993)	(2003)	(1994)	(1994)	(1995)	(1996)	(1993)	(1994)	(1994)	(2002)	(1992)	

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	387.01		484.89			
ANNUAL MEAN	1.06		1.32			
HIGHEST ANNUAL MEAN					1.64	
LOWEST ANNUAL MEAN					3.63	1999
HIGHEST DAILY MEAN	19	Aug 30	27	Jun 27	0.65	1993
LOWEST DAILY MEAN	e0.25	Jan 19	e0.30	Jan 25	a0.15	Jan 23, 1995
ANNUAL SEVEN-DAY MINIMUM	e0.29	Jan 18	e0.32	Feb 6	0.17	Jan 21, 1995
MAXIMUM PEAK FLOW			b379	Jul 23	c1,090	Jul 19, 1993
MAXIMUM PEAK STAGE			6.59	Jul 23	d5.57	Jul 19, 1993
ANNUAL RUNOFF (AC-FT)	768		962		1,190	
10 PERCENT EXCEEDS	1.6		1.9		2.9	
50 PERCENT EXCEEDS	0.65		0.72		0.80	
90 PERCENT EXCEEDS	0.39		0.40		0.36	

e Estimated.

a Also occurred Jan 23, Feb 3 (estimated), 1996.

b From rating curve extended above 19 ft³/s on basis of velocity-area study.

c From rating curve extended above 1.1 ft³/s on basis of slope-area measurement of peak flow at gage height 4.45 ft, site and datum then in use.

d From floodmarks, site and datum then in use. Maximum gage height, 7.84 ft, May 25, 1999.

07103990 COTTONWOOD CREEK AT MOUTH AT PIKEVIEW, CO

LOCATION.--Lat 38°55'41", long 104°48'35", in SW¹/₄SW¹/₄ sec.8, T.13 S., R.67 W., El Paso County, Hydrologic Unit 11020003, on left bank 20 ft upstream from Vincent Drive bridge, 0.3 mi south of Woodmen Road, 0.3 mi upstream from mouth, and 1.2 mi northeast of Pikeview.

DRAINAGE AREA.--18.7 mi².

PERIOD OF RECORD.--December 1985 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07103990

GAGE.--Water-stage recorder with satellite telemetry, crest-stage gage, and concrete control. Elevation of gage is 6,265 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by erosion-control and livestock-watering reservoirs and ground-water withdrawals.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	5.4	3.3	e2.0	e2.0	1.9	2.5	4.4	3.1	6.2	10	e6.0
2	4.2	4.4	3.1	e2.0	e2.0	2.6	4.8	4.2	2.9	4.4	9.6	e5.0
3	4.0	4.7	3.7	e3.0	e2.0	2.4	22	4.7	3.0	4.1	8.4	4.7
4	6.0	4.4	4.8	e2.0	e2.0	7.1	5.7	4.5	2.4	5.4	e150	23
5	4.3	5.4	3.7	e2.0	e2.0	12	5.0	4.1	2.9	5.3	e30	4.2
6	3.7	5.3	3.8	e2.0	e2.0	e5.8	4.4	3.1	2.9	4.5	e10	4.0
7	3.9	5.0	3.8	e3.0	e2.0	2.7	4.4	2.3	2.5	4.4	6.4	3.9
8	4.2	5.0	4.3	e3.0	e3.0	2.2	41	2.6	2.8	5.3	6.9	2.9
9	4.0	5.1	3.7	e2.0	e3.0	2.4	5.6	2.5	3.6	37	6.7	5.2
10	4.4	5.4	3.0	e2.0	e3.0	6.1	14	3.4	3.6	23	8.8	5.9
11	3.8	5.2	e3.0	e2.0	e3.0	3.0	6.8	4.5	3.1	6.5	5.8	4.3
12	3.0	4.1	e3.0	e2.0	e2.0	2.8	8.4	2.3	2.9	7.2	5.9	4.1
13	3.8	5.0	e2.0	e2.0	e2.0	2.8	3.2	12	2.8	6.0	5.2	3.6
14	3.1	3.7	e3.0	e2.0	e2.0	2.9	2.9	5.2	2.4	5.9	5.1	2.8
15	3.3	3.3	e2.0	e2.0	e3.0	2.8	2.6	4.0	4.4	7.7	5.3	3.2
16	3.3	4.2	e3.0	e2.0	e2.0	2.7	2.7	3.6	3.4	e80	7.0	3.2
17	3.4	4.8	e2.0	e3.0	e2.0	2.6	2.5	19	28	e15	7.0	3.5
18	2.7	3.9	e2.0	e3.0	e3.0	2.8	2.2	5.9	13	e10	19	4.6
19	2.0	3.9	e2.0	e2.0	e3.0	2.9	3.1	4.2	13	e40	e22	5.8
20	2.9	3.7	e3.0	e2.0	e3.0	2.9	5.4	3.4	12	12	16	5.5
21	3.2	4.3	e2.0	e2.0	e3.0	2.9	6.6	3.7	26	5.5	14	15
22	3.4	3.7	e2.0	e2.0	3.1	3.2	20	3.6	4.6	9.8	21	17
23	3.7	2.7	e2.0	e2.0	3.9	3.6	18	4.4	3.5	80	6.7	5.5
24	3.7	2.3	e2.0	e2.0	4.4	3.9	7.0	4.1	5.6	46	8.8	6.4
25	3.6	2.2	e2.0	e2.0	3.6	3.8	23	4.6	12	34	9.8	6.8
26	3.1	2.3	e2.0	e2.0	3.8	3.5	4.3	3.9	19	9.7	7.7	6.2
27	3.5	2.3	e2.0	e2.0	3.1	3.8	3.0	4.1	112	7.9	25	9.9
28	3.7	3.5	e2.0	e2.0	2.7	3.6	2.6	3.8	e12	9.3	e8.0	8.5
29	4.0	2.9	e2.0	e2.0	2.3	3.0	3.1	3.8	5.4	14	e7.0	7.2
30	4.6	2.6	e2.0	e2.0	---	2.5	7.5	3.2	31	11	e7.0	9.5
31	4.3	---	e2.0	e2.0	---	2.5	---	3.1	---	10	e6.0	---
TOTAL	114.5	120.7	84.2	67.0	77.9	109.7	244.3	142.2	345.8	527.1	466.1	197.4
MEAN	3.69	4.02	2.72	2.16	2.69	3.54	8.14	4.59	11.5	17.0	15.0	6.58
MAX	6.0	5.4	4.8	3.0	4.4	12	41	19	112	80	150	23
MIN	2.0	2.2	2.0	2.0	2.0	1.9	2.2	2.3	2.4	4.1	5.1	2.8
AC-FT	227	239	167	133	155	218	485	282	686	1,050	925	392

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2004, BY WATER YEAR (WY)

MEAN	5.63	5.08	4.39	4.24	4.46	5.47	6.90	9.00	9.74	10.0	9.62	6.44
MAX	9.59	9.18	7.90	7.60	7.56	11.1	33.3	40.7	26.4	26.2	27.7	13.9
(WY)	(1995)	(1998)	(1998)	(2000)	(2000)	(1992)	(1999)	(1999)	(1995)	(2001)	(1999)	(1999)
MIN	1.93	2.90	1.92	2.16	2.28	2.57	3.31	2.71	3.05	2.34	3.93	2.67
(WY)	(1987)	(1987)	(1992)	(2004)	(1990)	(1999)	(1989)	(1986)	(1990)	(1992)	(2002)	(1986)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1986 - 2004	
ANNUAL TOTAL	1,943.9		2,496.9			
ANNUAL MEAN	5.33		6.82		6.90	
HIGHEST ANNUAL MEAN					15.7	
LOWEST ANNUAL MEAN					4.01	
HIGHEST DAILY MEAN	53		Jun 17		e150	
LOWEST DAILY MEAN	e2.0		May 14		1.9	
ANNUAL SEVEN-DAY MINIMUM	e2.0		Dec 21		e2.0	
MAXIMUM PEAK FLOW			b4,030		Aug 4	
MAXIMUM PEAK STAGE			c10.08		Aug 4	
ANNUAL RUNOFF (AC-FT)	3,860		4,950		5,000	
10 PERCENT EXCEEDS	8.3		12		10	
50 PERCENT EXCEEDS	3.9		3.8		4.6	
90 PERCENT EXCEEDS	2.5		2.0		2.5	

- e Estimated.
- a Also occurred Jul 11, 1989.
- b From critical-depth measurement of peak flow.
- c From floodmarks.

07104000 MONUMENT CREEK AT PIKEVIEW, CO

LOCATION.--Lat 38°55'04", long 104°49'05", in NW¼SE¼ sec.18, T.13 S., R.66 W., El Paso County, Hydrologic Unit 11020003, on right bank 0.1 mi west of Interstate 25 at Pikeview, 0.9 mi downstream from Cottonwood Creek, and 1.3 mi downstream from Woodmen Road.

DRAINAGE AREA.--204 mi².

PERIOD OF RECORD.--October 1938 to September 1949, January 1976 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07104000

REVISED RECORDS.--WDR CO-90-1: 1989 (M).

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,203.26 ft above NGVD of 1929. Oct. 1938 to Sept. 1949, nonrecording gage at present site at datum 2.10 ft higher. Jan. 1976 to June 6, 1994, at present site at datum 2.00 ft higher. Since Aug. 14, 2002, supplementary water-stage recorder on left bank 15 ft downstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 30, 1935, reached a stage of about 14 ft, former datum, discharge unknown.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	e16	16	e13	e12	e16	17	e35	10	37	20	18
2	14	e16	16	e13	e11	e16	18	32	11	20	19	18
3	15	e17	16	e14	e10	e16	60	28	10	e16	20	17
4	16	18	16	e11	e11	22	e20	26	11	e12	310	47
5	14	17	15	e9.0	e11	55	16	e24	14	e12	81	24
6	11	e17	15	e9.0	e12	e20	e15	e23	15	11	39	20
7	13	16	14	e12	e13	e15	e14	e22	11	11	29	16
8	12	18	14	e14	e14	e15	104	e21	9.7	e11	23	15
9	11	18	e12	e14	e14	e15	e23	e19	9.2	106	22	19
10	13	19	e10	e15	e14	e22	e32	e18	12	183	23	18
11	14	16	e12	e14	e13	18	e30	e17	e10	28	22	16
12	13	14	e13	e14	e12	17	e24	e15	e8.0	17	17	15
13	14	e14	e13	e14	e10	14	23	e35	e9.0	e15	16	13
14	14	15	e16	e13	e12	17	e22	33	e10	e14	15	13
15	14	e14	e15	e14	e14	19	e21	22	14	e16	14	12
16	14	e15	e14	e13	e14	19	e20	19	14	205	14	11
17	14	15	e15	e13	e16	19	e20	49	54	50	14	11
18	15	15	e15	e13	e17	18	e19	44	31	28	38	11
19	15	15	e15	e13	e18	21	e20	24	e28	77	63	12
20	14	e16	e16	e14	e19	19	e21	20	e26	26	40	11
21	14	e15	e15	e14	e18	19	e22	17	e62	15	36	29
22	14	e15	e13	e12	e18	17	e50	15	23	15	72	32
23	13	e14	e14	e12	e16	17	59	13	13	195	61	17
24	13	e14	e14	e12	e16	17	44	13	12	114	26	16
25	12	e14	e14	e12	e15	17	81	12	22	78	21	13
26	13	e15	e15	e10	e15	18	39	13	38	37	15	14
27	14	e15	e13	e11	e15	16	31	11	243	29	63	17
28	14	e15	e13	e12	e16	16	e33	12	e60	28	40	20
29	15	e16	e13	e13	e16	17	e33	13	e25	27	28	16
30	15	17	e13	e14	---	17	e40	12	122	24	23	15
31	e16	---	e13	e14	---	17	---	11	---	21	20	---
TOTAL	427	471	438	395.0	412	581	971	668	936.9	1,478	1,244	526
MEAN	13.8	15.7	14.1	12.7	14.2	18.7	32.4	21.5	31.2	47.7	40.1	17.5
MAX	16	19	16	15	19	55	104	49	243	205	310	47
MIN	11	14	10	9.0	10	14	14	11	8.0	11	14	11
AC-FT	847	934	869	783	817	1,150	1,930	1,320	1,860	2,930	2,470	1,040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	19.4	18.5	15.6	14.5	15.5	22.1	49.7	91.2	47.6	28.6	31.4	17.0
MAX	82.8	55.3	32.2	31.9	35.2	52.4	259	399	190	97.6	149	46.7
(WY)	(1985)	(1985)	(2000)	(2000)	(2000)	(1998)	(1942)	(1999)	(1999)	(1999)	(1999)	(1985)
MIN	1.90	4.27	3.95	4.40	4.06	6.67	10.2	12.7	5.20	2.01	1.11	1.74
(WY)	(1940)	(1979)	(1979)	(1979)	(1940)	(1944)	(1978)	(1946)	(1976)	(1939)	(1940)	(1939)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	7,509.7		8,547.9			
ANNUAL MEAN	20.6		23.4		31.5	
HIGHEST ANNUAL MEAN					100	1999
LOWEST ANNUAL MEAN					8.21	1978
HIGHEST DAILY MEAN	237	Aug 31	310	Aug 4	2,950	Apr 30, 1999
LOWEST DAILY MEAN	5.8	Aug 17	e8.0	Jun 12	0.00	Jul 24, 1939
ANNUAL SEVEN-DAY MINIMUM	7.5	Aug 17	9.7	Jun 8	0.21	Jul 20, 1939
MAXIMUM PEAK FLOW			a5,230	Aug 4	a5,230	Aug 4, 2004
MAXIMUM PEAK STAGE			b11.24	Aug 4	b11.24	Aug 4, 2004
ANNUAL RUNOFF (AC-FT)	14,900		16,950		22,820	
10 PERCENT EXCEEDS	34		37		63	
50 PERCENT EXCEEDS	15		16		18	
90 PERCENT EXCEEDS	10		12		5.5	

e Estimated.

a From rating curve extended above 4,890 ft³/s.

b From floodmarks.

07104905 MONUMENT CREEK AT BIJOU STREET AT COLORADO SPRINGS, CO

LOCATION.--Lat 38°50'14", long 104°49'44", in NW¹/₄NW¹/₄ sec.18, T.14 S., R.66 W., El Paso County, Hydrologic Unit 11020003, on left bank 250 ft downstream from bridge on Bijou Street at Colorado Springs, 250 ft east of Interstate 25, and 0.7 mi upstream from mouth.

DRAINAGE AREA.--235 mi².

PERIOD OF RECORD.--April 2003 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07104905

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gages. Elevation of gage is 5,980 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and those above 300 ft³/s, which are poor. Natural flow of stream affected by storage reservoirs, transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	20	15	e13	12	e17	18	41	10	36	34	17
2	16	20	17	e15	e11	e18	20	38	12	34	25	18
3	16	20	17	14	e10	e18	87	33	8.9	35	20	26
4	18	20	17	e11	e12	e18	17	33	9.1	30	277	79
5	17	19	15	e9.0	e11	e19	17	25	12	27	200	28
6	18	19	15	e9.0	e13	e18	22	23	8.0	36	46	28
7	18	17	16	e12	e13	17	26	27	6.2	30	36	20
8	16	20	14	e15	e14	17	144	25	5.6	18	22	13
9	13	22	12	e15	e15	18	20	21	5.3	84	36	18
10	17	22	12	e16	e14	28	45	21	5.3	159	27	17
11	16	22	e14	e15	e13	19	29	22	5.1	32	37	14
12	16	20	e15	e14	e12	16	26	23	5.0	22	25	9.2
13	16	19	e15	e14	e10	16	17	36	5.2	11	22	12
14	16	20	e20	e14	e16	19	18	18	5.7	20	31	12
15	16	19	e18	e15	e17	21	18	15	10	26	20	9.1
16	16	19	e16	14	e15	21	15	13	5.6	448	30	9.0
17	18	18	e20	15	e16	21	14	49	78	134	22	12
18	21	18	e20	13	18	19	14	31	33	21	68	14
19	21	20	e19	e13	e18	19	13	18	18	77	134	14
20	20	21	e19	e14	e19	17	11	13	17	50	52	13
21	18	21	15	15	e18	16	11	10	97	22	77	44
22	18	19	13	e9.0	e18	14	68	11	9.7	18	89	57
23	17	e14	e13	e12	e16	13	77	13	11	303	65	21
24	17	e16	e14	e12	e16	11	42	14	15	150	28	14
25	17	e20	e14	e12	e15	15	98	14	33	105	22	14
26	17	e19	e13	e9.0	e15	17	42	14	47	45	26	15
27	19	e17	e11	e10	e15	14	40	12	281	40	110	18
28	19	e16	e12	e14	e16	16	46	12	88	51	50	34
29	19	e18	e16	e15	e16	17	49	11	38	44	30	18
30	19	14	e14	e15	---	17	54	9.1	104	28	24	19
31	20	---	e11	14	---	17	---	9.0	---	32	20	---
TOTAL	542	569	472	407.0	424	543	1,118	654.1	988.7	2,168	1,705	636.3
MEAN	17.5	19.0	15.2	13.1	14.6	17.5	37.3	21.1	33.0	69.9	55.0	21.2
MAX	21	22	20	16	19	28	144	49	281	448	277	79
MIN	13	14	11	9.0	10	11	11	9.0	5.0	11	20	9.0
AC-FT	1,080	1,130	936	807	841	1,080	2,220	1,300	1,960	4,300	3,380	1,260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

	2003	2004	2004	2004	2004	2004	2003	2003	2003	2004	2004	2004
MEAN	17.5	19.0	15.2	13.1	14.6	17.5	41.8	29.3	41.3	41.5	46.4	21.9
MAX	17.5	19.0	15.2	13.1	14.6	17.5	46.4	37.4	49.6	69.9	55.0	22.6
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2004)	(2004)	(2003)
MIN	17.5	19.0	15.2	13.1	14.6	17.5	37.3	21.1	33.0	13.1	37.7	21.2
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2004)

SUMMARY STATISTICS

	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	10,227.1			
ANNUAL MEAN	27.9		27.9	
HIGHEST ANNUAL MEAN			27.9	
LOWEST ANNUAL MEAN			27.9	
HIGHEST DAILY MEAN	448	Jul 16	565	Aug 31, 2003
LOWEST DAILY MEAN	5.0	Jun 12	4.0	Jul 21, 2003
ANNUAL SEVEN-DAY MINIMUM	5.3	Jun 8	5.3	Jun 8, 2004
MAXIMUM PEAK FLOW	a4,750	Aug 4	a4,750	Aug 4, 2004
MAXIMUM PEAK STAGE	9.07	Aug 4	9.07	Aug 4, 2004
ANNUAL RUNOFF (AC-FT)	20,290		20,240	
10 PERCENT EXCEEDS	46		46	
50 PERCENT EXCEEDS	18		18	
90 PERCENT EXCEEDS	11		11	

e Estimated.
a From rating curve extended above 309 ft³/s.

07105000 BEAR CREEK NEAR COLORADO SPRINGS, CO

LOCATION.--Lat 38°49'21", long 104°53'17", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.14 S., R.67 W., El Paso County, Hydrologic Unit 11020003, on left bank 30 ft east of 26th Street, 0.6 mi southwest of Bear Creek Nature Center, 3.4 mi upstream from mouth, and 3.5 mi west of courthouse in Colorado Springs.

DRAINAGE AREA.--6.89 mi².

PERIOD OF RECORD.--May 1992 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07105000

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,520 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except estimated daily discharges, which are poor. Natural flow of stream affected by diversion for municipal use.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.54	0.77	0.58	0.56	0.53	0.59	0.93	3.5	1.5	3.0	4.2	3.7
2	0.54	0.78	0.58	0.57	0.52	0.58	0.97	3.4	1.4	2.4	4.1	3.5
3	0.58	0.82	0.58	0.57	0.52	0.58	1.2	3.6	1.3	2.5	3.7	3.3
4	0.58	0.82	0.58	0.58	0.52	0.58	1.2	3.7	1.3	2.5	4.1	3.2
5	0.63	0.83	0.58	0.57	0.52	0.54	1.3	4.0	1.4	2.6	4.8	3.1
6	0.64	0.82	0.58	0.51	0.52	0.63	1.3	4.4	1.4	2.7	5.6	2.9
7	0.64	0.83	0.58	e0.53	0.54	0.66	1.3	4.4	1.3	2.5	5.4	2.8
8	0.60	0.78	0.59	0.56	0.54	0.75	1.7	4.2	1.2	2.2	5.0	2.7
9	0.59	0.79	0.56	0.55	0.55	0.83	1.7	4.1	1.2	2.0	4.6	2.7
10	0.59	0.79	0.49	0.57	0.56	0.83	1.6	4.1	1.2	2.0	4.1	2.7
11	0.54	0.76	0.60	0.58	0.56	0.79	1.6	3.8	1.2	1.9	4.0	2.6
12	0.58	0.74	0.57	0.59	e0.56	0.80	1.8	3.5	1.2	1.7	3.9	2.4
13	0.59	0.75	0.58	0.58	0.56	0.82	1.8	3.6	1.3	1.7	3.7	2.4
14	0.54	0.76	0.58	0.58	0.54	0.81	1.8	3.4	1.2	1.7	3.5	2.4
15	0.53	0.72	0.53	0.55	0.54	0.85	1.9	3.2	1.2	1.8	3.4	2.4
16	0.56	0.70	0.55	0.55	0.54	0.87	1.8	3.1	1.2	4.3	3.3	2.4
17	0.55	0.69	0.57	0.55	0.55	0.87	1.7	2.9	2.0	6.5	3.1	2.3
18	0.56	0.65	0.55	0.55	0.56	0.89	1.8	2.8	1.4	5.4	3.7	2.0
19	0.59	0.69	0.55	0.56	0.59	0.92	1.8	2.6	1.3	4.9	6.0	1.9
20	0.59	0.70	0.56	0.55	0.58	0.96	1.7	2.6	1.3	4.4	6.4	2.0
21	0.59	0.69	0.57	0.54	0.57	0.96	1.7	2.4	1.7	3.9	7.1	2.3
22	0.60	0.63	0.57	0.54	0.57	0.99	1.7	2.4	1.9	3.6	6.6	2.4
23	0.62	0.43	0.57	0.55	0.58	1.1	1.4	2.3	1.6	4.9	6.0	2.2
24	0.60	0.58	0.57	0.54	0.58	1.1	2.0	2.2	1.4	5.9	5.5	2.2
25	0.62	0.67	0.58	e0.53	0.58	1.1	2.5	2.1	1.6	6.7	5.1	2.2
26	0.64	0.64	0.58	0.53	0.60	1.0	2.6	2.1	1.8	6.7	4.6	2.2
27	0.63	0.63	0.57	0.53	0.61	0.99	3.2	2.0	2.5	6.2	4.8	2.3
28	0.62	0.64	0.52	0.53	0.61	0.94	4.1	2.0	3.1	5.9	4.6	2.4
29	0.63	0.63	0.54	0.51	0.59	0.96	4.2	1.9	2.4	5.5	4.3	2.2
30	0.67	0.58	0.62	0.52	---	0.96	3.9	1.9	2.7	5.0	4.4	2.0
31	0.69	---	0.58	0.53	---	0.94	---	1.8	---	4.6	4.0	---
TOTAL	18.47	21.31	17.61	17.06	16.19	26.19	58.20	94.0	47.2	117.6	143.6	75.8
MEAN	0.60	0.71	0.57	0.55	0.56	0.84	1.94	3.03	1.57	3.79	4.63	2.53
MAX	0.69	0.83	0.62	0.59	0.61	1.1	4.2	4.4	3.1	6.7	7.1	3.7
MIN	0.53	0.43	0.49	0.51	0.52	0.54	0.93	1.8	1.2	1.7	3.1	1.9
AC-FT	37	42	35	34	32	52	115	186	94	233	285	150

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	1.68	1.47	1.29	1.18	1.16	1.35	2.50	6.68	4.63	2.70	2.86	1.94
MAX	3.16	2.41	2.12	1.87	1.80	2.15	6.13	22.0	17.0	7.55	6.77	4.39
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(1999)	(1999)	(1997)	(1995)	(1999)	(1997)
MIN	0.37	0.14	0.17	0.30	0.36	0.52	0.31	0.80	0.47	0.30	0.43	0.30
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)	(2002)	(1993)	(1993)	(2002)	(1992)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	327.39		653.23			
ANNUAL MEAN	0.90		1.78		2.52	
HIGHEST ANNUAL MEAN					5.30	
LOWEST ANNUAL MEAN					0.41	
HIGHEST DAILY MEAN	2.2	Apr 17	7.1	Aug 21	89	Apr 30, 1999
LOWEST DAILY MEAN	0.43	Nov 23	0.43	Nov 23	0.02	Sep 18, 1992
ANNUAL SEVEN-DAY MINIMUM	0.48	Jan 1	0.52	Jan 29	0.05	Nov 7, 1992
MAXIMUM PEAK FLOW			16	Jul 16	a185	Apr 30, 1999
MAXIMUM PEAK STAGE			1.51	Jul 16	b2.80	Apr 30, 1999
ANNUAL RUNOFF (AC-FT)	649		1,300		1,820	
10 PERCENT EXCEEDS	1.7		4.1		4.9	
50 PERCENT EXCEEDS	0.67		1.1		1.6	
90 PERCENT EXCEEDS	0.54		0.55		0.52	

e Estimated.

a From rating curve extended above 122 ft³/s.

b From floodmarks.

07105490 CHEYENNE CREEK AT EVANS AVENUE AT COLORADO SPRINGS, CO

LOCATION.--Lat 38°47'26", Long 104°51'49", in SW¼NW¼ sec.35, T.14 S., R.67 W., El Paso County, Hydrologic Unit 11020003, on right bank 23 ft upstream from Evans Avenue at Colorado Springs, 30 ft downstream from the confluence of North and South Cheyenne Creeks, and 3.1 mi upstream from the mouth.

DRAINAGE AREA.--21.7 mi².

PERIOD OF RECORD.--April 1992 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07105490

REVISED RECORDS.--WDR CO-93-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,280 ft above NGVD of 1929, from topographic map. Prior to June 13, 2000, at datum 1.00 ft higher.

REMARKS.--Records good except estimated daily discharges, which are poor. Natural flow of stream affected by several small reservoirs and diversions.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.58	0.58	0.41	0.39	0.59	0.40	0.52	26	3.5	13	9.5	7.1
2	0.62	0.59	0.42	0.54	0.62	0.38	0.56	14	6.9	15	9.4	3.8
3	0.71	0.58	0.41	0.54	0.59	0.40	0.80	13	7.1	12	6.3	3.7
4	0.75	0.54	0.41	0.54	0.60	0.40	0.72	18	8.1	8.6	3.2	3.6
5	0.75	0.50	0.39	0.60	0.64	0.39	1.2	30	7.8	4.2	3.3	3.2
6	0.74	0.50	0.39	e0.60	0.66	0.42	0.90	36	7.5	3.5	3.6	3.1
7	0.74	0.49	0.39	0.57	0.66	0.41	0.50	35	4.9	4.9	2.6	4.7
8	0.68	0.49	0.40	0.60	0.64	0.48	3.0	34	1.4	6.7	3.5	5.2
9	0.64	0.49	0.39	0.61	0.64	0.74	4.3	35	1.6	5.5	6.0	5.0
10	0.64	0.50	0.39	0.64	0.66	0.48	3.8	33	1.6	5.6	6.1	4.8
11	0.72	0.67	0.39	0.64	0.64	0.46	3.5	32	1.4	3.4	6.3	3.7
12	0.64	0.40	0.38	0.63	e0.64	0.67	4.6	31	1.4	1.2	4.2	1.6
13	0.58	0.38	0.38	0.59	e0.64	1.00	3.8	22	1.2	0.97	2.8	1.5
14	0.90	0.41	0.39	0.60	0.64	0.92	5.1	18	1.1	0.90	2.8	1.4
15	0.56	0.45	0.38	0.59	0.64	0.90	5.5	20	1.1	0.88	2.7	2.6
16	0.54	0.45	0.38	0.59	0.67	0.47	8.4	18	1.1	16	2.6	4.0
17	0.54	0.49	0.38	0.59	0.69	0.39	11	19	1.2	19	3.3	3.9
18	0.54	0.47	0.38	0.57	0.70	0.38	8.7	16	0.89	30	4.9	3.3
19	0.54	0.47	0.38	0.57	0.70	0.39	4.5	12	0.92	14	13	1.7
20	0.84	0.48	0.38	0.55	0.68	0.39	2.7	11	0.92	7.5	16	1.6
21	0.50	0.47	0.38	0.56	0.65	0.39	4.8	11	2.7	6.6	26	1.7
22	0.50	0.45	0.38	0.54	0.64	0.40	9.4	13	4.4	4.0	32	3.0
23	0.51	0.48	0.38	0.56	0.64	0.39	9.1	18	3.6	3.4	23	3.2
24	0.52	0.51	0.38	0.59	0.66	0.39	15	15	3.5	4.9	14	2.0
25	0.53	0.42	0.38	0.60	0.58	0.39	17	15	3.8	14	13	2.0
26	0.56	0.42	0.38	0.62	0.61	0.38	13	14	3.4	9.7	12	2.0
27	0.67	0.42	0.38	0.67	0.53	0.38	15	14	3.6	7.0	13	2.0
28	0.58	0.42	0.38	0.60	0.41	0.38	27	9.4	4.4	12	13	3.3
29	0.60	0.42	0.36	0.59	0.41	0.38	40	2.0	3.2	12	13	5.9
30	0.60	0.42	0.44	0.60	---	0.38	41	5.7	8.6	14	11	5.7
31	0.58	---	0.45	0.59	---	0.38	---	7.4	---	17	8.5	---
TOTAL	19.40	14.36	12.11	18.07	18.07	14.71	265.40	597.5	102.83	277.45	290.6	100.3
MEAN	0.63	0.48	0.39	0.58	0.62	0.47	8.85	19.3	3.43	8.95	9.37	3.34
MAX	0.90	0.67	0.45	0.67	0.70	1.0	41	36	8.6	30	32	7.1
MIN	0.50	0.38	0.36	0.39	0.41	0.38	0.50	2.0	0.89	0.88	2.6	1.4
AC-FT	38	28	24	36	36	29	526	1,190	204	550	576	199

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	3.36	2.92	2.28	2.17	2.04	2.41	8.81	30.3	22.2	7.76	10.8	4.31
MAX	7.31	5.56	5.15	4.54	5.20	7.34	25.5	86.4	93.1	30.5	39.7	11.2
(WY)	(1997)	(1998)	(1998)	(1996)	(1998)	(1998)	(1999)	(1994)	(1995)	(1995)	(1999)	(1997)
MIN	0.49	0.48	0.39	0.42	0.42	0.47	0.81	0.47	0.37	0.59	0.40	0.51
(WY)	(2003)	(2004)	(2004)	(2003)	(2003)	(2004)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1992 - 2004
ANNUAL TOTAL	718.64	1,730.80	
ANNUAL MEAN	1.97	4.73	8.55
HIGHEST ANNUAL MEAN			21.8
LOWEST ANNUAL MEAN			0.72
HIGHEST DAILY MEAN	13	41	453
LOWEST DAILY MEAN	0.36	0.36	0.10
ANNUAL SEVEN-DAY MINIMUM	0.38	0.38	0.23
MAXIMUM PEAK FLOW		208	a595
MAXIMUM PEAK STAGE		2.95	b3.51
ANNUAL RUNOFF (AC-FT)	1,430	3,430	6,190
10 PERCENT EXCEEDS	6.5	14	18
50 PERCENT EXCEEDS	0.74	0.82	3.0
90 PERCENT EXCEEDS	0.41	0.39	0.49

e Estimated.

a From rating curve extended above 437 ft³/s.

b Datum then in use.

07105500 FOUNTAIN CREEK AT COLORADO SPRINGS, CO

LOCATION.--Lat 38°48'59", long 104°49'20", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.14 S., R.66 W., El Paso County, Hydrologic Unit 11020003, on left bank 10 ft downstream from Cheyenne Creek, 31 ft upstream from Nevada Avenue bridge at Colorado Springs, and 1.3 mi downstream from Monument Creek.

DRAINAGE AREA.--392 mi².

PERIOD OF RECORD.--October 1921 to September 1924, January 1976 to current year. Monthly discharge only for some periods, published in WSP 1311. Statistical summary computed for 1976 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07105500

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,900 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by storage reservoirs, power developments, transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	22	21	17	16	17	17	73	13	101	41	42
2	21	20	24	22	16	19	17	65	13	59	32	37
3	21	20	23	19	15	19	131	59	13	38	29	38
4	21	21	24	16	20	25	21	59	13	27	459	97
5	19	21	21	12	18	54	17	62	16	22	366	49
6	21	21	21	12	21	24	17	64	13	25	167	38
7	21	20	24	18	18	19	17	67	11	23	115	32
8	21	20	23	27	19	17	247	64	9.6	22	90	27
9	18	22	20	22	19	17	27	62	9.2	165	89	29
10	19	22	16	19	17	24	55	60	9.2	394	70	30
11	18	22	19	18	16	23	41	58	8.7	41	70	27
12	18	21	18	17	14	17	39	54	8.5	28	60	22
13	19	21	18	17	13	17	25	64	8.1	19	47	27
14	17	21	23	17	21	18	23	58	7.9	19	45	24
15	17	20	21	17	21	19	24	50	18	29	39	21
16	17	20	18	16	19	18	26	43	11	658	39	29
17	20	20	22	17	18	18	28	66	133	231	37	25
18	20	19	22	17	18	18	28	84	59	86	109	22
19	19	20	21	16	29	19	26	39	30	98	252	21
20	19	22	21	19	21	18	26	27	20	105	118	22
21	19	22	20	20	20	18	26	25	120	52	248	64
22	19	21	19	14	19	18	134	22	38	45	183	84
23	19	15	18	17	16	17	128	25	14	690	157	48
24	18	18	18	17	16	16	68	24	14	305	84	38
25	19	23	19	17	15	17	173	21	25	203	67	34
26	19	22	18	12	15	18	76	20	67	103	67	35
27	20	21	15	14	15	17	65	21	576	88	200	32
28	21	19	12	21	16	17	76	22	313	96	110	44
29	21	24	15	20	16	18	84	18	72	92	69	43
30	21	22	21	21	---	18	99	15	244	61	59	41
31	21	---	17	19	---	17	---	15	---	47	49	---
TOTAL	603	622	612	547	517	611	1,781	1,406	1,907.2	3,972	3,567	1,122
MEAN	19.5	20.7	19.7	17.6	17.8	19.7	59.4	45.4	63.6	128	115	37.4
MAX	21	24	24	27	29	54	247	84	576	690	459	97
MIN	17	15	12	12	13	16	17	15	7.9	19	29	21
AC-FT	1,200	1,230	1,210	1,080	1,030	1,210	3,530	2,790	3,780	7,880	7,080	2,230

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	45.0	39.7	32.2	29.7	28.1	38.9	88.2	187	124	78.9	87.4	46.5																		
MAX	212	143	81.3	68.1	57.8	92.6	486	944	555	268	341	116																		
(WY)	(1985)	(1985)	(1985)	(2000)	(2000)	(1998)	(1999)	(1999)	(1997)	(1995)	(1999)	(1999)																		
MIN	10.6	11.4	11.8	5.12	6.27	11.4	14.8	23.5	16.3	12.9	9.54	7.98																		
(WY)	(1978)	(1979)	(1979)	(1979)	(1979)	(1976)	(1978)	(1976)	(1976)	(1976)	(2002)	(1978)																		

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	11,554.8		17,267.2			
ANNUAL MEAN	31.7		47.2		70.5	
HIGHEST ANNUAL MEAN					228	
LOWEST ANNUAL MEAN					23.2	
HIGHEST DAILY MEAN	622	Aug 31	690	Jul 23	7,510	Apr 30, 1999
LOWEST DAILY MEAN	8.7	Jul 25	7.9	Jun 14	2.0	Aug 19, 1978
ANNUAL SEVEN-DAY MINIMUM	11	Jul 8	8.7	Jun 8	3.3	Jan 3, 1979
MAXIMUM PEAK FLOW			a6,150	Aug 4	b10,100	Sep 2, 1994
MAXIMUM PEAK STAGE			7.81	Aug 4	c12.12	Sep 2, 1994
ANNUAL RUNOFF (AC-FT)	22,920		34,250		51,080	
10 PERCENT EXCEEDS	52		93		145	
50 PERCENT EXCEEDS	21		21		35	
90 PERCENT EXCEEDS	13		16		15	

a From rating curve extended above 3,070 ft³/s on basis of slope-area measurement of peak flow at gage height 12.12 ft.

b From slope-area measurement of peak flow.

c From floodmark.

07105530 FOUNTAIN CREEK BELOW JANITELL ROAD BELOW COLORADO SPRINGS, CO

LOCATION.--Lat 38°48'11", long 104°47'43", in NE¼SE¼ sec.29, T.14 S., R.66 W., El Paso County, Hydrologic Unit 11020003, on left bank at downstream side of bridge on Janitell Road, 0.1 mi downstream from Spring Creek, and 2.4 mi southeast of courthouse in Colorado Springs.

DRAINAGE AREA.--413 mi².

PERIOD OF RECORD.--October 1989 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07105530

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,840 ft above NGVD of 1929, from topographic map. Prior to July 10, 1990, at site 500 ft upstream at datum 2.00 ft higher. July 10, 1990 to May 27, 1999, on right bank at upstream side of bridge on Janitell Road at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, power developments, ground-water withdrawals, transmountain diversions, diversions for irrigation and municipal use, return flows from irrigated areas, and flows from sewage-treatment plants.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	88	41	40	42	89	79	143	64	103	110	91
2	77	88	43	46	41	86	77	e130	78	80	86	87
3	73	87	42	44	39	86	302	e120	81	59	79	84
4	82	84	43	42	45	101	103	e115	78	49	796	185
5	78	84	45	36	43	164	89	111	90	44	790	93
6	76	83	46	34	47	103	82	111	86	57	458	79
7	74	77	49	42	48	84	e80	116	73	61	247	90
8	75	81	47	47	47	80	e340	114	67	60	181	87
9	70	86	46	41	44	79	e110	110	65	422	171	90
10	74	85	44	40	42	93	143	105	65	314	136	88
11	76	65	47	41	40	95	108	102	62	97	142	91
12	77	55	44	38	39	82	102	91	61	76	114	84
13	78	70	46	37	61	82	78	111	62	63	94	81
14	75	73	52	37	81	85	71	111	61	63	155	79
15	75	60	48	38	83	84	67	98	244	105	80	76
16	74	54	45	37	85	80	70	87	59	1,450	68	86
17	78	48	49	39	84	81	73	115	269	325	61	80
18	78	45	49	41	85	78	71	141	165	146	420	82
19	80	44	47	42	114	82	66	80	95	149	631	85
20	78	44	48	44	96	81	59	63	68	172	207	82
21	79	45	46	44	94	78	62	57	232	122	571	179
22	77	45	43	39	93	76	262	53	104	96	298	197
23	77	42	44	41	88	72	230	56	61	1,090	219	128
24	74	42	46	41	87	68	117	62	62	432	122	94
25	78	45	40	44	85	71	256	73	89	376	103	88
26	80	45	42	38	83	75	126	70	171	195	104	93
27	80	44	40	40	84	76	117	66	595	167	309	84
28	79	40	37	46	88	78	130	68	159	195	158	94
29	80	45	38	45	88	79	145	59	73	192	120	96
30	79	43	44	46	---	78	174	53	214	138	109	89
31	83	---	41	44	---	76	---	59	---	119	95	---
TOTAL	2,388	1,837	1,382	1,274	1,996	2,622	3,789	2,850	3,653	7,017	7,234	2,942
MEAN	77.0	61.2	44.6	41.1	68.8	84.6	126	91.9	122	226	233	98.1
MAX	83	88	52	47	114	164	340	143	595	1,450	796	197
MIN	70	40	37	34	39	68	59	53	59	44	61	76
AC-FT	4,740	3,640	2,740	2,530	3,960	5,200	7,520	5,650	7,250	13,920	14,350	5,840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	101	94.6	74.7	77.4	92.1	105	163	258	215	147	168	109
MAX	179	150	140	122	139	161	658	1,022	693	319	467	200
(WY)	(2000)	(2000)	(1998)	(1998)	(2000)	(1998)	(1999)	(1999)	(1997)	(1995)	(1999)	(1999)
MIN	47.3	48.6	39.5	41.1	56.4	76.4	77.9	78.6	69.4	70.1	68.3	59.7
(WY)	(1993)	(1990)	(1990)	(2004)	(1990)	(1991)	(2002)	(1993)	(1990)	(1993)	(2002)	(1992)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1990 - 2004
ANNUAL TOTAL	29,624	38,984	
ANNUAL MEAN	81.2	107	138
HIGHEST ANNUAL MEAN			312
LOWEST ANNUAL MEAN			76.0
HIGHEST DAILY MEAN	871	Aug 31	10,300
LOWEST DAILY MEAN	28	Jan 16	28
ANNUAL SEVEN-DAY MINIMUM	30	Jan 13	30
MAXIMUM PEAK FLOW			10,400
MAXIMUM PEAK STAGE			10.27
ANNUAL RUNOFF (AC-FT)	58,760	77,320	99,620
10 PERCENT EXCEEDS	115	173	224
50 PERCENT EXCEEDS	73	79	96
90 PERCENT EXCEEDS	43	42	55

e Estimated.

a From rating curve extended above 13,200 ft³/s.

b Maximum gage height, 11.11 ft, Sep 2, 1994.

07105600 SAND CREEK ABOVE MOUTH AT COLORADO SPRINGS, CO

LOCATION.--Lat 38°47'18", long 104°46'24", in NW¹/₄SW¹/₄ sec.34, T.14 S., R.66 W., El Paso County, Hydrologic Unit 11020003, on left bank 0.2 mi upstream from Las Vegas Street bridge at Colorado Springs, 0.7 mi upstream from mouth, and 4.0 mi southeast of courthouse in Colorado Springs.

DRAINAGE AREA.--52.5 mi².

PERIOD OF RECORD.--April 2003 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07105600

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,837 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and those above 700 ft³/s, which are poor. Natural flow of stream affected by several small storage reservoirs, ground-water withdrawals, and flows from sewage-treatment plants.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 5,720 ft³/s, June 27, 2004, gage height, 6.22 ft, from floodmarks, from rating curve extended above 681 ft³/s on basis of step-backwater analysis; minimum daily, 1.2 ft³/s, Aug. 21, 2003.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 5,720 ft³/s, June 27, gage height, 6.22 ft, from floodmarks, from rating curve extended above 681 ft³/s on basis of step-backwater analysis; minimum daily, 1.8 ft³/s, July 6,8.

REVISIONS.--The maximum discharge for the water year 2003 has been revised to 2,090 ft³/s, Aug. 31, 2003, gage height, 4.56 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	2.4	3.4	2.6	6.5	8.9	5.1
2	---	---	---	---	---	---	2.9	3.3	2.9	2.9	9.5	5.8
3	---	---	---	---	---	---	e35	3.3	2.9	2.6	7.9	6.7
4	---	---	---	---	---	---	e8.0	2.8	2.8	2.2	72	22
5	---	---	---	---	---	---	e6.5	3.0	6.8	1.9	94	13
6	---	---	---	---	---	---	4.3	2.5	2.7	1.8	77	7.3
7	---	---	---	---	---	---	9.7	2.9	2.3	2.0	62	6.9
8	---	---	---	---	---	---	127	2.6	5.0	1.8	26	6.6
9	---	---	---	---	---	---	10	2.9	3.6	e185	25	6.2
10	---	---	---	---	---	---	16	2.9	3.0	e4.0	26	6.0
11	---	---	---	---	---	---	7.3	2.9	2.8	e3.5	34	5.6
12	---	---	---	---	---	---	5.1	2.6	2.5	e3.0	18	5.6
13	---	---	---	---	---	---	3.8	4.5	2.2	e3.0	18	5.4
14	---	---	---	---	---	---	3.9	3.0	2.2	e3.2	32	4.9
15	---	---	---	---	---	---	3.1	3.4	131	e15	6.3	4.7
16	---	---	---	---	---	---	2.8	2.8	23	e600	8.0	4.2
17	---	---	---	---	---	---	2.9	11	65	e90	8.9	3.5
18	---	---	---	---	---	---	2.6	3.6	67	e10	79	2.9
19	---	---	---	---	---	---	2.6	3.1	23	e5.0	82	3.5
20	---	---	---	---	---	---	3.3	3.7	53	11	45	4.0
21	---	---	---	---	---	---	5.4	3.1	82	7.5	144	12
22	---	---	---	---	---	---	61	3.1	45	7.9	75	14
23	---	---	---	---	---	---	30	2.7	17	179	28	6.7
24	---	---	---	---	---	---	10	3.1	15	87	20	5.9
25	---	---	---	---	---	---	58	3.3	13	92	14	6.1
26	---	---	---	---	---	---	7.0	2.8	81	16	8.6	5.0
27	---	---	---	---	---	---	5.5	2.8	706	15	11	4.9
28	---	---	---	---	---	---	4.4	3.1	e100	18	9.9	4.7
29	---	---	---	---	---	---	4.0	3.2	e5.0	12	7.4	4.4
30	---	---	---	---	---	---	6.9	3.0	e100	13	6.8	4.2
31	---	---	---	---	---	---	---	2.5	---	9.4	5.8	---
TOTAL	---	---	---	---	---	---	451.4	102.9	1,570.3	1,411.2	1,070.0	197.8
MEAN	---	---	---	---	---	---	15.0	3.32	52.3	45.5	34.5	6.59
MAX	---	---	---	---	---	---	127	11	706	600	144	22
MIN	---	---	---	---	---	---	2.4	2.5	2.2	1.8	5.8	2.9
AC-FT	---	---	---	---	---	---	895	204	3,110	2,800	2,120	392

e Estimated.

07105800 FOUNTAIN CREEK AT SECURITY, CO

LOCATION.--Lat 38°43'46", long 104°44'00", in NE¼SW¼ sec.24, T.15 S., R.66 W., El Paso County, Hydrologic Unit 11020003, on right bank 20 ft downstream from Carson Road bridge at Security, 0.9 mi southwest of South Security School, 3.5 mi northeast of Fountain, and 5.5 mi upstream from Jimmy Camp Creek.

DRAINAGE AREA.--495 mi².

PERIOD OF RECORD.--October 1964 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07105800

REVISED RECORDS.--WDR CO-85-1: 1984 (M).

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,640 ft above NGVD of 1929, from topographic map. July 19, 1972 to Feb. 20, 1980, at site 880 ft downstream at datum 1.00 ft higher. Prior to July 19, 1972, and from Feb. 21, 1980 to Mar. 23, 2003, at site 20 ft upstream on left bank; prior to July 19, 1972, and from Feb. 21, 1980 to June 30, 1986, at datum 7.00 ft higher; July 1, 1986 to Feb. 6, 1995, at datum 4.00 ft higher; Feb 7, 1995 to Nov. 29, 1995, at datum 3.00 ft higher; Nov. 30, 1995 to Apr. 4, 2001, at datum 2.00 ft higher; and Apr. 14, 2001 to Mar. 23, 2003, at present datum.

REMARKS.--Records fair except estimated daily discharges and those above 700 ft³/s, which are poor. Natural flow of stream affected by storage reservoirs, power developments, transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	88	53	55	62	102	88	163	61	138	172	117
2	83	88	55	62	59	103	85	145	71	113	143	119
3	79	88	54	61	57	102	277	107	74	86	126	118
4	86	87	54	59	75	114	91	100	71	82	714	326
5	80	93	55	55	96	184	88	107	83	80	511	164
6	78	89	56	56	102	94	92	107	80	93	252	109
7	80	83	59	58	96	84	101	112	e79	106	172	115
8	83	84	59	66	96	85	353	115	e77	113	133	105
9	77	88	57	61	98	91	122	111	e76	417	174	107
10	82	85	56	58	91	101	152	115	75	358	147	107
11	83	76	57	58	91	119	128	109	75	97	169	112
12	83	73	57	58	89	103	120	101	70	81	131	107
13	84	80	56	56	88	105	93	103	72	75	103	107
14	82	73	61	57	97	108	84	120	70	81	140	104
15	82	75	60	60	101	110	78	94	431	112	94	103
16	81	75	56	60	98	106	77	85	78	1,830	88	111
17	86	64	57	58	100	107	78	94	309	218	80	113
18	88	54	60	60	103	103	79	171	201	133	864	113
19	88	53	58	62	130	105	80	77	117	132	906	115
20	87	53	58	64	111	105	82	66	96	233	189	116
21	89	52	58	64	110	104	84	78	282	140	676	227
22	86	53	56	59	108	103	226	72	160	125	361	311
23	87	52	56	60	102	99	251	72	108	1,300	290	193
24	81	52	58	62	101	94	115	69	102	416	123	114
25	85	55	55	65	98	95	179	82	116	336	96	98
26	85	63	55	59	98	97	117	69	238	144	102	102
27	83	78	54	59	97	96	108	67	799	169	313	99
28	81	70	51	65	101	92	111	65	257	228	295	102
29	81	66	53	65	101	91	108	54	101	242	186	118
30	82	54	56	67	---	89	136	51	259	190	140	107
31	86	---	57	66	---	86	---	60	---	178	119	---
TOTAL	2,582	2,144	1,747	1,875	2,756	3,177	3,783	2,941	4,688	8,046	8,009	3,959
MEAN	83.3	71.5	56.4	60.5	95.0	102	126	94.9	156	260	258	132
MAX	89	93	61	67	130	184	353	171	799	1,830	906	326
MIN	77	52	51	55	57	84	77	51	61	75	80	98
AC-FT	5,120	4,250	3,470	3,720	5,470	6,300	7,500	5,830	9,300	15,960	15,890	7,850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	83.6	75.8	64.7	69.0	77.3	88.8	124	209	187	126	139	88.9
MAX	317	198	168	146	156	195	738	1,131	886	381	561	231
(WY)	(1985)	(2000)	(2000)	(1998)	(2000)	(2000)	(1999)	(1999)	(1997)	(1995)	(1999)	(1999)
MIN	12.6	15.1	17.8	11.9	14.1	21.3	23.7	24.7	17.8	30.1	23.5	13.1
(WY)	(1965)	(1965)	(1976)	(1976)	(1972)	(1965)	(1978)	(1966)	(1968)	(1972)	(1974)	(1968)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	36,161		45,707		111	
ANNUAL MEAN	99.1		125		355	
HIGHEST ANNUAL MEAN					1999	
LOWEST ANNUAL MEAN					1968	
HIGHEST DAILY MEAN	913	Aug 31	1,830	Jul 16	e11,000	Apr 30, 1999
LOWEST DAILY MEAN	50	Jan 10	51	Dec 28	1.9	Mar 1, 1965
ANNUAL SEVEN-DAY MINIMUM	53	Nov 18	53	Nov 18	4.2	Feb 25, 1965
MAXIMUM PEAK FLOW			a9,570	Aug 4	b25,000	Jul 24, 1965
MAXIMUM PEAK STAGE			7.95	Aug 4	c11.30	Jul 24, 1965
ANNUAL RUNOFF (AC-FT)	71,730		90,660		80,570	
10 PERCENT EXCEEDS	137		191		197	
50 PERCENT EXCEEDS	85		91		78	
90 PERCENT EXCEEDS	56		57		25	

e Estimated.

a From rating curve extended above 6,520 ft³/s on basis of slope-area measurement of peak flow at gage height 7.18 ft.

b From slope-area measurement of peak flow. Flood of May 30, 1935, may have been larger.

c From floodmarks, site and datum then in use.

07105900 JIMMY CAMP CREEK AT FOUNTAIN, CO

LOCATION.--Lat 38°41'04", long 104°41'17", in NW¹/₄SE¹/₄ sec.5, T.16 S., R.65 W., El Paso County, Hydrologic Unit 11020003, on right bank 110 ft downstream of bridge on county road, 0.2 mi east of Fountain, and 1.5 mi upstream from mouth.

DRAINAGE AREA.--65.6 mi².

PERIOD OF RECORD.--January 1976 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07105900

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,530 ft above NGVD of 1929, from topographic map. Prior to Aug. 14, 1991, at site 110 ft upstream on downstream side of bridge; Jan. 1976 to Sept. 3, 1986, at datum 4.0 ft higher and Sept. 4, 1986 to Aug. 13, 1991, at present datum.

REMARKS.--Records poor. Natural flow of stream affected by storage reservoirs, ground-water withdrawals, diversions for irrigation, and return flows from irrigated areas.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 17, 1965, reached an estimated discharge of 124,000 ft³/s, gage height, unknown.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.45	0.91	0.69	e0.70	0.57	e0.73	e0.70	0.75	1.2	e1.3	0.90	0.93
2	0.50	0.81	0.71	e0.72	e0.57	e0.74	e0.72	0.76	1.2	e0.47	0.73	0.91
3	0.48	0.88	0.70	0.77	e0.60	e0.75	e0.80	0.76	1.2	e0.45	0.58	0.87
4	0.59	0.79	e0.75	e0.80	0.64	e0.75	e0.75	0.73	1.1	0.43	e0.53	0.91
5	0.66	e0.80	e0.80	e0.76	0.63	e0.77	e0.73	0.74	1.0	0.45	94	0.86
6	0.66	e0.81	0.78	e0.83	e0.60	e0.80	e0.72	0.73	0.93	0.41	e55	0.84
7	0.65	e0.81	0.72	e0.70	e0.60	e0.80	e0.71	0.79	0.88	0.46	e4.3	1.0
8	0.67	e0.82	0.78	0.73	e0.58	e0.85	0.81	0.84	0.93	0.56	e4.0	3.5
9	0.67	e0.81	1.1	0.68	e0.58	0.81	0.85	0.84	0.97	0.67	e2.5	0.94
10	0.70	e0.82	e1.0	e0.70	e0.58	0.79	0.90	1.1	0.92	0.64	2.3	0.94
11	0.72	e0.82	e1.1	e0.70	e0.60	0.75	0.79	0.96	0.87	0.52	3.9	0.91
12	0.80	e0.82	e1.1	e0.70	e0.60	0.74	0.77	1.0	0.91	0.59	1.9	0.89
13	0.73	e0.83	e1.1	e0.70	e0.61	e0.73	0.74	1.1	0.86	0.48	1.7	0.86
14	0.72	e0.83	1.2	e0.60	e0.60	e0.72	0.73	1.1	0.75	0.44	1.4	0.86
15	e0.77	0.83	1.3	e0.52	e0.60	e0.71	0.72	1.2	0.75	0.71	1.2	0.81
16	e0.84	0.83	e1.3	0.52	e0.61	e0.69	0.94	1.2	0.85	25	1.1	0.72
17	0.89	0.83	e1.4	0.53	e0.64	e0.68	0.74	1.3	1.1	22	1.2	0.73
18	0.89	0.84	e1.3	e0.52	e0.65	e0.67	0.63	1.3	1.9	3.1	9.6	0.71
19	0.89	0.77	e1.3	e0.52	e0.65	e0.66	0.62	1.3	1.5	1.8	28	0.73
20	0.90	0.76	e1.2	0.57	e0.67	e0.65	0.60	1.2	1.4	1.3	4.7	0.70
21	0.90	0.76	1.3	0.58	e0.69	e0.64	0.63	1.3	1.6	1.1	8.8	0.74
22	0.90	0.80	1.4	e0.58	e0.70	e0.63	1.3	1.2	1.4	2.4	2.8	0.86
23	0.92	e0.83	e1.4	e0.58	e0.72	e0.62	2.2	1.3	1.2	7.9	1.7	0.81
24	0.94	e0.80	e1.4	e0.58	e0.75	e0.61	1.2	1.3	1.0	14	1.2	0.68
25	0.97	0.76	e1.3	e0.58	e0.75	0.60	1.7	1.3	0.99	3.3	1.1	0.68
26	1.0	e0.76	e1.0	e0.58	0.68	0.57	1.2	1.3	1.1	1.8	1.0	0.79
27	0.98	0.76	e0.70	e0.58	e0.70	0.58	1.0	1.2	3.3	1.4	1.1	0.51
28	0.98	e0.76	e0.70	e0.55	e0.71	0.58	0.90	1.2	1.8	6.3	1.1	0.42
29	0.95	0.73	e0.70	0.53	e0.72	0.58	0.81	1.2	e1.5	3.5	1.0	0.72
30	0.94	0.70	e0.70	0.54	---	e0.60	0.93	1.2	e1.5	1.5	0.98	0.80
31	0.97	---	e0.70	0.58	---	0.63	---	1.2	---	1.1	0.94	---
TOTAL	24.63	24.08	31.63	19.53	18.60	21.43	26.84	33.40	36.61	106.08	241.26	26.63
MEAN	0.79	0.80	1.02	0.63	0.64	0.69	0.89	1.08	1.22	3.42	7.78	0.89
MAX	1.0	0.91	1.4	0.83	0.75	0.85	2.2	1.3	3.3	25	94	3.5
MIN	0.45	0.70	0.69	0.52	0.57	0.57	0.60	0.73	0.75	0.41	0.53	0.42
AC-FT	49	48	63	39	37	43	53	66	73	210	479	53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	2.01	2.17	1.76	1.64	1.57	1.69	2.01	2.53	3.45	3.50	4.46	1.73
MAX	3.55	6.49	3.17	2.74	2.39	3.54	9.33	10.1	27.8	27.9	13.4	5.12
(WY)	(1985)	(1982)	(1995)	(1986)	(1977)	(1980)	(1999)	(1995)	(1995)	(1985)	(1984)	(1994)
MIN	0.79	0.80	0.87	0.63	0.64	0.69	0.56	0.91	0.98	0.35	0.33	0.58
(WY)	(2004)	(2004)	(1988)	(2004)	(2004)	(2004)	(1990)	(1986)	(1989)	(2003)	(2002)	(2003)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	399.32		610.72			
ANNUAL MEAN	1.09		1.67		2.37	
HIGHEST ANNUAL MEAN					5.12	
LOWEST ANNUAL MEAN					1.17	
HIGHEST DAILY MEAN	e30		94		700	
LOWEST DAILY MEAN	0.16		0.41		a0.00	
ANNUAL SEVEN-DAY MINIMUM	0.23		0.46		0.07	
MAXIMUM PEAK FLOW			b1,440		c4,810	
MAXIMUM PEAK STAGE			9.48		d9.51	
ANNUAL RUNOFF (AC-FT)	792		1,210		1,720	
10 PERCENT EXCEEDS	1.8		1.5		2.8	
50 PERCENT EXCEEDS	0.94		0.80		1.7	
90 PERCENT EXCEEDS	0.33		0.58		0.88	

e Estimated.

a Also occurred Apr 13, 15, 1990.

b From rating curve extended above 418 ft³/s.

c From contracted-opening measurement of peak flow.

d From floodmarks.

07105945 ROCK CREEK ABOVE FORT CARSON RESERVATION, CO

LOCATION.--Lat 38°42'27", long 104°50'46", in NW¼NW¼ sec.36, T.15 S., R.67 W., El Paso County, Hydrologic Unit 11020003, on right bank 20 ft upstream from county road bridge, 0.6 mi northwest of Rock Creek Park, 1.2 mi upstream from State Highway 115, and 3.2 mi southwest of Fort Carson Military Reservation.

DRAINAGE AREA.--6.79 mi².

PERIOD OF RECORD.--May 1978 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07105945

REVISED RECORDS.--WDR CO-85-1: 1982 (M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,390 ft above NGVD of 1929, from topographic map. Prior to Oct. 10, 1997, at site 50 ft downstream.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.08	0.23	0.12	0.12	0.16	0.31	0.51	11	0.59	0.93	4.0	1.1
2	0.08	0.25	0.12	0.14	e0.10	0.29	0.60	9.6	0.56	0.79	3.2	0.97
3	0.08	0.24	0.12	0.15	e0.13	0.25	1.3	11	0.45	0.61	2.6	0.83
4	0.10	0.25	0.12	0.15	0.17	0.26	1.1	13	0.41	0.52	2.2	1.0
5	0.12	0.23	0.14	e0.09	0.16	0.32	1.2	15	0.42	0.44	2.0	1.0
6	0.11	0.23	0.16	e0.08	e0.11	0.41	1.3	16	0.41	0.37	1.9	0.82
7	0.09	0.24	0.17	e0.24	e0.13	0.59	1.2	13	0.34	0.35	1.7	0.74
8	0.08	0.24	0.15	0.28	0.17	0.76	5.6	11	0.29	0.28	1.6	0.67
9	0.07	0.28	0.17	0.25	e0.12	1.00	8.0	8.7	0.29	0.24	1.7	0.61
10	0.09	0.27	0.16	0.24	e0.12	1.2	7.8	7.2	0.28	0.53	1.4	0.57
11	0.08	0.25	0.17	0.23	e0.09	1.1	5.8	6.2	0.26	0.82	1.3	0.52
12	0.10	0.26	0.16	0.22	e0.05	0.95	5.0	5.2	0.23	0.46	1.3	0.55
13	0.12	0.27	0.16	0.22	e0.09	0.98	4.5	4.8	0.20	0.36	1.3	0.46
14	0.12	0.28	0.15	0.22	0.14	0.94	5.0	4.4	0.18	0.28	1.1	0.44
15	0.14	0.26	0.14	0.23	0.14	0.86	5.0	3.6	0.18	0.24	0.98	0.44
16	0.14	0.25	0.14	0.23	0.13	0.80	4.8	3.1	0.28	5.9	0.86	0.42
17	0.14	0.26	0.16	0.18	0.14	0.92	4.4	2.6	0.32	12	0.73	0.37
18	0.14	0.24	0.14	0.17	0.22	1.2	4.0	2.4	0.40	7.7	0.73	0.32
19	0.12	0.15	0.14	0.17	0.36	0.90	3.6	2.2	0.47	5.3	1.9	0.31
20	0.11	0.13	0.13	0.19	0.30	0.93	3.2	2.0	0.35	4.1	2.2	0.31
21	0.09	0.12	0.11	0.18	0.23	0.93	2.8	1.8	0.37	3.3	3.2	0.39
22	0.08	0.13	0.10	0.17	0.22	0.83	2.8	1.7	0.47	2.7	2.7	0.89
23	0.08	0.12	0.10	0.19	0.22	0.84	2.3	1.5	0.31	3.2	2.2	0.63
24	0.12	0.10	0.11	0.19	0.20	0.95	3.5	1.4	0.23	6.5	2.0	0.50
25	0.16	0.10	0.13	0.18	0.21	0.94	4.2	1.2	0.31	16	1.8	0.48
26	0.19	0.10	0.15	e0.09	0.25	0.88	4.9	1.1	0.57	15	1.6	0.46
27	0.19	0.12	0.13	e0.11	0.32	0.85	9.9	1.0	1.6	11	1.7	0.44
28	0.16	0.12	0.11	0.18	0.35	0.77	19	0.93	2.4	9.2	1.8	0.48
29	0.15	0.13	0.11	0.17	0.33	0.69	20	0.82	1.4	8.0	1.5	0.49
30	0.14	0.12	0.15	0.16	---	0.66	14	0.79	1.1	6.9	1.4	0.46
31	0.16	---	0.10	0.17	---	0.58	---	0.67	---	5.3	1.2	---
TOTAL	3.63	5.97	4.22	5.59	5.36	23.89	157.31	164.91	15.67	129.32	55.80	17.67
MEAN	0.12	0.20	0.14	0.18	0.18	0.77	5.24	5.32	0.52	4.17	1.80	0.59
MAX	0.19	0.28	0.17	0.28	0.36	1.2	20	16	2.4	16	4.0	1.1
MIN	0.07	0.10	0.10	0.08	0.05	0.25	0.51	0.67	0.18	0.24	0.73	0.31
AC-FT	7.2	12	8.4	11	11	47	312	327	31	257	111	35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

MEAN	1.34	0.90	0.47	0.44	0.46	1.00	4.67	9.94	4.80	1.87	3.00	1.15
MAX	20.7	10.7	2.25	1.42	1.33	2.56	20.7	39.1	32.7	7.23	18.1	7.75
(WY)	(1985)	(1985)	(1985)	(1985)	(1985)	(1998)	(1999)	(1995)	(1997)	(1985)	(1999)	(1982)
MIN	0.00	0.03	0.05	0.07	0.12	0.27	0.26	0.10	0.02	0.01	0.00	0.00
(WY)	(1979)	(1979)	(1979)	(1979)	(1979)	(2002)	(2002)	(2002)	(2002)	(1978)	(1978)	(1978)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1978 - 2004

ANNUAL TOTAL	315.50		589.34			
ANNUAL MEAN	0.86		1.61		2.55	
HIGHEST ANNUAL MEAN					7.70	
LOWEST ANNUAL MEAN					0.14	
HIGHEST DAILY MEAN	7.2	May 25	20	Apr 29	397	Apr 30, 1999
LOWEST DAILY MEAN	0.00	Aug 28	e0.05	Feb 12	a0.00	Jul 6, 1978
ANNUAL SEVEN-DAY MINIMUM	0.03	Aug 24	0.09	Oct 6	0.00	Jul 6, 1978
MAXIMUM PEAK FLOW			28	Jul 16	b770	Jun 10, 1997
MAXIMUM PEAK STAGE			3.22	Jul 16	c9.71	Jun 10, 1997
ANNUAL RUNOFF (AC-FT)	626		1,170		1,840	
10 PERCENT EXCEEDS	3.0		4.8		5.4	
50 PERCENT EXCEEDS	0.24		0.37		0.62	
90 PERCENT EXCEEDS	0.08		0.12		0.13	

e Estimated.

a No flow on many days during many years.

b From rating curve extended above 133 ft/s on basis of width-contraction measurement of peak flow at gage height 5.28 ft.

c From floodmark, site then in use.

07106000 FOUNTAIN CREEK NEAR FOUNTAIN, CO

LOCATION.--Lat 38°36'06", long 104°40'11", in SW¹/₄NE¹/₄ sec.4, T.17 S., R.65 W., El Paso County, Hydrologic Unit 11020003, on left bank 10 ft downstream from Old Pueblo Road bridge, 190 ft downstream from Denver & Rio Grande Railroad bridge, 0.9 mi downstream from Little Fountain Creek, and 5.6 mi south of Fountain.

DRAINAGE AREA.--681 mi².

PERIOD OF RECORD.--October 1938 to February 1940 (monthly records only), March 1940 to September 1954; July 1985 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07106000

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,355 ft above NGVD of 1929, from topographic map. Sept. 18, 1938 to Mar. 1, 1940, nonrecording gage at site 40 ft upstream on right bank at different datum. Mar. 2, 1940 to Sept. 30, 1954, at site 290 ft upstream on right bank at different datum. July 2, 1985 to Sept. 2, 1987, at site 590 ft upstream on right bank at different datum. Sept. 3, 1987 to Mar. 12, 1990, at site 1,190 ft upstream on right bank at different datum. March 13, 1990 to Oct. 30, 2002, at site 90 ft upstream on right bank.

REMARKS.--Records fair except for estimated daily discharges and those above 1,000 ft³/s, which are poor. Natural flow of stream affected by storage reservoirs, power developments, ground-water withdrawals, transmountain diversions, diversions for irrigation and municipal use, return flows from irrigated areas, and flows from sewage-treatment plants.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 14.4 ft, at different datum, May 30, 1935, discharge undetermined. Floods of May 1935 and June 1965 probably exceeded flood of May 1940.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	e104	80	54	72	100	111	171	68	211	132	122
2	84	106	78	60	70	98	107	144	78	131	116	119
3	84	111	71	62	68	95	376	118	88	84	119	121
4	85	124	70	64	72	98	119	95	79	74	245	146
5	72	117	69	65	98	e202	89	93	79	62	987	165
6	76	124	66	60	105	e145	89	90	96	60	525	104
7	76	108	65	64	102	125	79	97	84	66	255	102
8	79	109	66	75	102	113	1,000	103	73	76	233	105
9	75	122	65	63	104	114	201	101	80	254	199	113
10	78	124	64	59	100	115	228	95	78	714	206	116
11	77	113	63	62	99	131	223	72	79	130	189	112
12	82	102	62	60	102	116	190	78	90	91	158	93
13	77	104	60	58	106	107	144	83	92	75	143	89
14	77	108	59	61	101	103	123	130	87	71	130	90
15	76	104	61	62	113	104	111	92	566	88	199	91
16	68	108	56	64	114	101	106	78	180	1,900	119	91
17	64	103	56	59	115	104	94	71	229	e430	116	99
18	78	80	61	59	113	107	89	179	310	223	781	98
19	83	78	63	60	128	110	83	85	175	167	1,350	89
20	82	72	67	61	137	109	77	58	104	271	367	95
21	82	73	65	62	124	109	74	55	240	210	1,080	101
22	80	74	64	62	122	113	238	46	288	196	372	194
23	85	74	62	62	116	110	558	53	87	1,310	308	116
24	76	81	66	63	111	104	217	54	73	917	176	101
25	83	80	62	64	109	102	400	67	92	663	159	98
26	89	87	54	67	106	107	207	62	248	295	157	98
27	86	116	56	68	103	108	156	56	1,210	211	253	94
28	86	101	58	72	106	115	133	56	449	209	324	91
29	86	104	55	68	100	114	148	54	140	216	177	93
30	90	83	59	71	---	101	195	57	287	167	166	80
31	97	---	59	75	---	101	---	56	---	139	137	---
TOTAL	2,495	2,994	1,962	1,966	3,018	3,481	5,965	2,649	5,829	9,711	9,878	3,226
MEAN	80.5	99.8	63.3	63.4	104	112	199	85.5	194	313	319	108
MAX	97	124	80	75	137	202	1,000	179	1,210	1,900	1,350	194
MIN	64	72	54	54	68	95	74	46	68	60	116	80
AC-FT	4,950	5,940	3,890	3,900	5,990	6,900	11,830	5,250	11,560	19,260	19,590	6,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

	1939	1940	1953	1952	1941	1941	1954	1950	1953	1952	1954	1939
MEAN	73.2	89.7	74.5	75.8	81.3	91.4	132	226	179	122	150	74.8
MAX	266	253	231	214	201	224	787	1,602	1,080	432	713	242
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(1999)	(1999)	(1997)	(1995)	(1999)	(1999)
MIN	3.70	10.0	5.14	6.99	6.07	6.39	4.30	9.78	4.50	3.47	3.15	1.31
(WY)	(1954)	(1940)	(1953)	(1952)	(1941)	(1941)	(1954)	(1950)	(1953)	(1952)	(1954)	(1939)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	40,206		53,174			
ANNUAL MEAN	110		145		114	
HIGHEST ANNUAL MEAN					430	
LOWEST ANNUAL MEAN					10.3	
HIGHEST DAILY MEAN	1,390	Aug 31	1,900	Jul 16	13,200	Apr 30, 1999
LOWEST DAILY MEAN	33	Apr 12	46	May 22	a0.00	Sep 24, 1939
ANNUAL SEVEN-DAY MINIMUM	41	Apr 11	56	May 21	0.27	Jul 18, 1939
MAXIMUM PEAK FLOW			8,660	Jul 23	b22,100	May 28, 1940
MAXIMUM PEAK STAGE			9.14	Jul 23	c9.19	May 28, 1940
ANNUAL RUNOFF (AC-FT)	79,750		105,500		82,510	
10 PERCENT EXCEEDS	146		228		222	
50 PERCENT EXCEEDS	89		98		72	
90 PERCENT EXCEEDS	63		62		7.8	

e Estimated.

a Also occurred Sep 30, 1939.

b From contracted-opening and slope-area measurement of peak flow.

c Site and datum then in use; maximum gage height, 12.06 ft, Apr 30, 1999, from floodmarks.

07106300 FOUNTAIN CREEK NEAR PINON, CO

LOCATION.--Lat 38°26'23", long 104°35'35", in NW¼SE¼ sec.31, T.18 S., R.64 W., Pueblo County, Hydrologic Unit 11020003, on right bank 0.5 mi below Pinon Road bridge, 0.9 mi northeast of Pinon, and 2.7 mi upstream from Steele Hollow Creek.

DRAINAGE AREA.--849 mi².

PERIOD OF RECORD.--April 1973 to current year. Low-flow records may not be equivalent prior to October 1995, as a result of varying underflow (diversion system) entering between the sites. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07106300

REVISED RECORDS.--WDR CO-80-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,990 ft above NGVD of 1929, from topographic map. Apr. 10, 1973 to Apr. 22, 1976, non-recording gage, and Apr. 23, 1976 to Sept. 30, 1995, water-stage recorder at site 0.5 mi upstream at different datum. Oct. 1, 1995 to present at various locations within 70 ft downstream from underflow mouth (see USGS Colorado Water Science Center office for location history).

REMARKS.--No estimated daily discharges. Records fair except for those above 500 ft³/s, which are poor. Natural flow of stream affected by storage reservoirs, power developments, ground-water withdrawals, transmountain diversions, diversions for irrigation and municipal use, return flows from irrigated areas, and flows from sewage-treatment plants.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	89	80	60	76	98	81	172	28	510	136	120
2	68	92	78	63	72	101	89	157	35	181	110	102
3	69	95	77	70	69	100	244	145	40	119	97	94
4	71	102	75	67	69	100	195	120	51	88	78	87
5	68	104	77	65	84	132	125	112	45	69	910	206
6	65	105	77	57	90	161	109	106	54	53	828	122
7	63	103	78	69	95	131	94	105	52	49	470	105
8	62	98	79	78	97	118	716	104	39	47	315	87
9	59	100	77	76	94	114	357	106	40	50	198	78
10	55	101	75	70	95	110	189	102	36	929	208	78
11	59	104	74	73	95	124	217	93	35	223	183	69
12	65	101	73	72	91	120	170	80	34	97	177	65
13	63	102	71	71	93	110	141	72	38	59	146	59
14	60	104	71	70	96	106	116	94	38	48	120	53
15	59	97	72	71	104	110	105	91	41	47	168	52
16	55	95	69	71	103	110	99	82	374	845	128	44
17	52	97	70	68	104	108	93	75	129	2,250	110	47
18	57	83	70	69	106	101	91	111	310	456	222	44
19	60	79	68	72	112	97	91	97	162	246	1,020	49
20	63	74	68	75	131	94	90	64	104	278	392	49
21	61	71	71	76	113	95	86	52	92	213	500	47
22	65	69	70	72	111	93	93	38	334	177	959	152
23	61	69	66	69	108	90	665	31	92	354	548	119
24	66	72	67	71	102	88	377	28	56	1,550	277	87
25	67	73	68	71	99	84	342	26	59	650	201	74
26	70	70	63	73	97	85	345	31	86	369	158	70
27	78	84	62	64	97	86	191	31	253	211	146	65
28	79	93	59	72	98	89	149	29	1,490	175	350	66
29	75	95	58	75	98	90	144	27	231	219	206	69
30	76	85	64	74	---	88	174	27	146	181	164	64
31	83	---	66	75	---	78	---	26	---	149	139	---
TOTAL	2,020	2,706	2,193	2,179	2,799	3,211	5,978	2,434	4,524	10,892	9,664	2,423
MEAN	65.2	90.2	70.7	70.3	96.5	104	199	78.5	151	351	312	80.8
MAX	83	105	80	78	131	161	716	172	1,490	2,250	1,020	206
MIN	52	69	58	57	69	78	81	26	28	47	78	44
AC-FT	4,010	5,370	4,350	4,320	5,550	6,370	11,860	4,830	8,970	21,600	19,170	4,810

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	83.1	104	93.7	101	109	118	139	271	190	116	157	78.5
MAX	457	289	201	174	180	229	664	1,599	1,083	365	794	241
(WY)	(1985)	(1985)	(2000)	(1996)	(2000)	(1998)	(1999)	(1999)	(1997)	(1985)	(1999)	(1999)
MIN	0.81	5.77	30.0	19.0	35.2	20.0	3.36	0.96	8.39	4.34	3.87	0.00
(WY)	(1976)	(1979)	(1977)	(1979)	(1978)	(1978)	(1975)	(1975)	(1978)	(1976)	(1974)	(1975)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004	
ANNUAL TOTAL	34,234		51,023			
ANNUAL MEAN	93.8		139		130	
HIGHEST ANNUAL MEAN					438	
LOWEST ANNUAL MEAN					29.4	
HIGHEST DAILY MEAN	1,430	Jun 20	2,250	Jul 17	11,000	Apr 30, 1999
LOWEST DAILY MEAN	14	Jul 9	26	May 25	a0.00	Jul 6, 1973
ANNUAL SEVEN-DAY MINIMUM	22	Jul 5	28	May 25	0.00	Aug 18, 1973
MAXIMUM PEAK FLOW			5,320	Jul 17	b19,100	Apr 30, 1999
MAXIMUM PEAK STAGE			6.19	Jul 17	c9.80	Apr 30, 1999
ANNUAL RUNOFF (AC-FT)	67,900		101,200		93,830	
10 PERCENT EXCEEDS	135		222		234	
50 PERCENT EXCEEDS	73		88		87	
90 PERCENT EXCEEDS	40		52		7.9	

a No flow at times many years.

b From rating curve extended above 9,590 ft³/s.

c From floodmark.

07106500 FOUNTAIN CREEK AT PUEBLO, CO

LOCATION.--Lat 38°17'16", long 104°36'02", in SE¼SW¼ sec.19, T.20 S., R.64 W., Pueblo County, Hydrologic Unit 11020003, on left bank at upstream side of bridge on U.S. Highway 50 at Pueblo and 2.6 mi upstream from mouth.

DRAINAGE AREA.--926 mi².

PERIOD OF RECORD.--January 1922 to September 1925, October 1940 to September 1965, February 1971 to current year. Monthly discharge only for some periods, published in WSP 1311. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07106500

REVISED RECORDS.--WDR CO-79-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,705 ft above NGVD of 1929, from topographic map. See WSP 1711 or 1731 for history of changes prior to Oct. 1, 1940, and WSP 1921 for changes Oct. 2, 1940 to Sept. 30, 1965. Feb. 1, 1971 to Sept. 30, 1976, water-stage recorder at site 1.4 mi upstream at datum 4,725.30 ft above sea level (unadjusted).

REMARKS.--Records fair except for estimated daily discharges and those above 1,000 ft³/s, which are poor. Natural flow of stream affected by storage reservoirs, power developments, ground-water withdrawals, transmountain diversions, diversions for irrigation and municipal use, return flows from irrigated areas, and flows from sewage-treatment plants.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 4, 1921, reached a discharge of 34,000 ft³/s, on basis of slope-area measurement of peak flow, gage height unknown. Flood of May 30, 1935, reached a discharge of 35,000 ft³/s, on basis of slope-area measurement of peak flow, gage height unknown.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	84	92	47	66	80	98	269	21	450	131	165
2	53	90	96	46	59	96	111	175	27	191	133	134
3	70	107	96	45	53	91	252	118	34	149	134	96
4	83	111	83	67	45	119	267	126	40	72	132	96
5	66	97	86	e70	77	157	98	106	41	55	789	164
6	53	106	75	e64	95	193	111	90	50	59	1,070	e110
7	57	114	77	e74	120	134	108	88	62	56	454	109
8	61	108	83	100	125	146	687	80	44	51	331	80
9	56	118	92	92	112	131	691	98	37	64	193	72
10	66	123	91	94	96	123	221	88	39	869	213	82
11	59	128	87	100	114	125	274	75	28	195	201	81
12	68	111	78	96	127	114	193	74	29	109	191	54
13	66	107	82	100	130	102	199	69	35	69	155	55
14	68	108	82	96	112	90	145	86	34	46	143	54
15	62	94	81	94	139	103	122	88	26	38	174	50
16	56	93	76	95	126	119	103	82	264	383	125	46
17	52	96	61	106	116	114	100	68	235	2,380	127	47
18	51	89	73	89	121	108	91	93	297	481	222	49
19	53	76	72	80	143	99	95	109	166	279	1,330	52
20	66	68	81	72	172	100	91	78	107	272	480	49
21	61	66	99	71	130	98	92	53	93	218	320	59
22	68	66	89	67	123	107	254	45	350	192	1,080	115
23	69	68	77	66	121	93	1,160	37	138	246	504	150
24	64	81	74	59	96	86	729	26	57	1,320	315	98
25	62	76	83	59	102	67	398	24	61	568	172	63
26	54	72	76	51	99	75	728	24	109	368	150	60
27	95	80	80	58	93	81	316	22	372	253	126	63
28	112	101	79	61	84	90	292	21	1,580	150	300	58
29	104	96	82	61	89	87	194	22	301	223	186	56
30	86	85	93	70	---	88	264	20	103	231	161	55
31	94	---	64	67	---	99	---	21	---	146	154	---
TOTAL	2,086	2,819	2,540	2,317	3,085	3,315	8,484	2,375	4,780	10,183	10,196	2,422
MEAN	67.3	94.0	81.9	74.7	106	107	283	76.6	159	328	329	80.7
MAX	112	128	99	106	172	193	1,160	269	1,580	2,380	1,330	165
MIN	51	66	61	45	45	67	91	20	21	38	125	46
AC-FT	4,140	5,590	5,040	4,600	6,120	6,580	16,830	4,710	9,480	20,200	20,220	4,800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

MEAN	58.7	74.6	69.6	71.6	78.1	77.5	97.9	195	147	89.1	132	53.2
MAX	513	303	225	193	190	260	677	1,504	1,104	429	852	242
(WY)	(1985)	(1985)	(2000)	(2000)	(2000)	(2000)	(1999)	(1999)	(1997)	(1995)	(1999)	(1999)
MIN	0.61	0.90	1.10	1.90	1.40	1.00	1.10	0.28	0.71	0.96	0.71	0.37
(WY)	(1963)	(1955)	(1955)	(1954)	(1954)	(1954)	(1955)	(1950)	(1963)	(1964)	(1960)	(1978)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1922 - 2004

ANNUAL TOTAL	37,051	54,602		
ANNUAL MEAN	102	149		97.2
HIGHEST ANNUAL MEAN				440
LOWEST ANNUAL MEAN				4.42
HIGHEST DAILY MEAN	1,810	Jun 20	2,380	Jul 17
LOWEST DAILY MEAN	13	Jul 9	20	May 30
ANNUAL SEVEN-DAY MINIMUM	18	Jul 5	22	May 26
MAXIMUM PEAK FLOW			4,880	Jul 17
MAXIMUM PEAK STAGE			6.98	Jul 17
ANNUAL RUNOFF (AC-FT)	73,490	108,300	70,430	
10 PERCENT EXCEEDS	145	268	199	
50 PERCENT EXCEEDS	83	93	45	
90 PERCENT EXCEEDS	42	51	1.1	

e Estimated.

a No flow at times many years.

b From contracted-opening measurement of peak flow.

c From floodmarks, site and datum then in use.

07108900 ST. CHARLES RIVER AT VINELAND, CO

LOCATION.--Lat 38°14'44", long 104°29'09", in NE¼SW¼ sec.6, T.21 S., R.63 W., Pueblo County, Hydrologic Unit 11020002, on left bank at left downstream end of downstream bridge on U.S. Highway 50 Business, 1.6 mi west of Vineland, and 3.0 mi upstream from mouth.

DRAINAGE AREA.--474 mi².

PERIOD OF RECORD.--October 1978 to current year. Records for October 1967 to September 1974 (discharge measurements only prior to March 1968), published as St. Charles River near Vineland (station 07108800) at site 2.6 mi upstream, are not equivalent because of tributary inflow. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07108900

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 4,581.58 ft above NGVD of 1929, (Colorado Division of Highways benchmark). Prior to May 10, 2001, on right bank at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoir, diversions for irrigation and industrial use, ground-water withdrawals, and return flows from irrigated areas.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1901, 56,000 ft³/s, June 3, 1921, gage height unknown, at site 5.0 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	6.2	5.5	4.5	5.9	4.8	4.0	281	16	44	49	5.4
2	3.3	5.7	5.0	4.4	6.0	5.9	3.8	303	15	97	42	5.4
3	3.6	6.8	4.7	3.6	5.9	7.2	4.5	293	12	79	34	5.4
4	4.3	5.9	4.4	e4.2	6.8	11	4.7	349	11	57	21	5.2
5	4.4	4.5	4.0	e4.1	5.9	12	4.6	392	9.1	43	8.8	4.5
6	3.7	4.8	4.2	e4.0	6.6	9.3	3.9	395	9.4	18	25	4.5
7	3.3	4.3	4.7	e4.5	5.9	8.1	3.9	346	e6.2	8.6	25	4.4
8	3.8	4.4	5.2	4.7	5.6	8.0	4.2	297	e4.0	7.1	22	4.1
9	4.6	4.7	4.6	4.6	5.9	7.5	4.7	252	e3.6	6.0	63	3.9
10	3.6	5.7	5.0	4.5	5.5	7.6	18	218	3.0	6.1	52	3.8
11	3.4	3.5	4.1	4.6	5.8	8.8	21	179	2.5	6.0	18	3.6
12	3.8	3.5	4.4	4.5	e5.0	8.7	17	153	2.0	4.0	11	3.5
13	3.7	5.3	4.3	4.5	e5.0	8.9	15	160	2.0	3.2	9.2	3.8
14	3.2	5.5	4.3	4.3	5.0	7.7	12	157	1.7	2.9	8.5	3.8
15	3.5	3.7	3.9	4.7	4.3	14	36	142	2.4	2.6	8.4	3.6
16	3.4	3.5	e3.8	4.7	5.6	8.4	90	115	2.7	3.7	8.1	3.6
17	4.0	4.3	e4.2	4.6	5.5	6.1	84	103	3.8	178	7.7	3.5
18	3.2	5.3	4.7	4.8	5.9	4.6	80	107	8.1	33	8.0	3.3
19	3.4	5.8	4.5	5.4	6.5	4.7	80	105	8.0	17	21	3.5
20	3.8	5.7	4.3	5.1	6.6	4.6	57	99	5.6	11	14	3.1
21	3.5	4.7	4.3	5.8	5.7	4.8	46	96	5.4	8.7	14	3.2
22	3.2	e5.0	4.4	4.5	5.6	5.4	46	82	6.4	7.7	13	3.9
23	3.7	e4.8	4.5	4.5	5.4	4.9	58	60	5.1	7.3	13	3.2
24	4.4	e5.0	e4.8	5.4	6.0	3.7	42	53	4.3	12	9.9	3.4
25	3.9	e5.5	e5.0	5.6	5.7	3.3	119	49	3.8	88	8.6	3.2
26	4.4	e5.6	4.6	e5.2	6.3	3.8	180	39	4.2	71	7.6	3.5
27	4.6	e5.6	3.9	e4.8	5.2	4.7	279	23	17	121	7.3	3.3
28	4.6	e5.9	e4.6	e5.2	5.7	4.8	398	21	8.4	100	7.1	2.8
29	5.1	6.1	e4.5	5.7	5.3	3.8	447	18	48	84	6.9	6.3
30	5.8	5.4	e5.0	5.6	---	3.8	365	17	80	66	6.2	3.9
31	6.0	---	4.3	5.7	---	4.1	---	16	---	56	5.7	---
TOTAL	122.5	152.7	139.7	148.3	166.1	205.0	2,528.3	4,920	310.7	1,248.9	555.0	118.6
MEAN	3.95	5.09	4.51	4.78	5.73	6.61	84.3	159	10.4	40.3	17.9	3.95
MAX	6.0	6.8	5.5	5.8	6.8	14	447	395	80	178	63	6.3
MIN	3.2	3.5	3.8	3.6	4.3	3.3	3.8	16	1.7	2.6	5.7	2.8
AC-FT	243	303	277	294	329	407	5,010	9,760	616	2,480	1,100	235

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

	1979	1983	1987	1995	1999	2003	2004
MEAN	13.9	15.2	12.4	12.2	12.7	20.2	66.9
MAX	39.5	32.3	24.3	22.6	25.1	127	306
(WY)	(1983)	(1999)	(1998)	(1998)	(1998)	(1998)	(1987)
MIN	3.50	4.26	4.51	4.78	3.82	4.24	4.99
(WY)	(1979)	(2003)	(2004)	(2004)	(2003)	(2003)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	5,070.0		10,615.8			
ANNUAL MEAN	13.9		29.0		39.8	
HIGHEST ANNUAL MEAN					88.4	
LOWEST ANNUAL MEAN					5.75	
HIGHEST DAILY MEAN	161	Aug 10	447	Apr 29	3,150	Apr 30, 1999
LOWEST DAILY MEAN	2.6	Jul 19	1.7	Jun 14	0.25	Apr 25, 1979
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 20	2.3	Jun 10	0.69	Aug 16, 2002
MAXIMUM PEAK FLOW			763	Jul 17	a7,560	Aug 11, 1982
MAXIMUM PEAK STAGE			6.03	Jul 17	b12.70	Aug 11, 1982
ANNUAL RUNOFF (AC-FT)	10,060		21,060		28,810	
10 PERCENT EXCEEDS	43		81		83	
50 PERCENT EXCEEDS	4.3		5.5		13	
90 PERCENT EXCEEDS	3.1		3.5		5.5	

e Estimated.
a From rating curve extended above 1,750 ft³/s.
b Maximum gage height, 13.68 ft, Apr 30, 1999.

07109500 ARKANSAS RIVER NEAR AVONDALE, CO

LOCATION.--Lat 38°14'53", long 104°23'55", in NE¹/₄SW¹/₄ sec.1, T.21 S., R.63 W., Pueblo County, Hydrologic Unit 11020002, on right bank 15 ft downstream from bridge on Nyberg Road, 0.3 mi upstream from Sixmile Creek, and 2.6 mi west of Avondale.

DRAINAGE AREA.--6,327 mi².

PERIOD OF RECORD.--May 1939 to September 1951, February 1965 to current year. Statistical summary computed for 1975 to current year, subsequent to partial regulation by Pueblo Reservoir. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07109500

REVISED RECORDS.--WSP 1087: 1942. WSP 1311: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,509.53 ft above sea level. Prior to Feb. 1, 1965, at site 550 ft downstream at datum 0.37 ft lower. Feb. 1, 1965 to Sept. 30, 1991, at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by transbasin and transmountain diversions, storage reservoirs, power development, ground-water withdrawals, diversions for irrigation and municipal use, return flows from irrigated areas, and flows from sewage-treatment plants. Flow partly regulated by Pueblo Reservoir (station 07099350) 21 mi upstream since Jan. 9, 1974.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	253	227	218	259	276	294	901	855	1,200	668	251
2	186	250	230	215	253	264	276	892	852	1,120	709	221
3	191	287	226	217	261	270	380	897	869	927	707	219
4	203	339	223	e215	279	278	564	859	841	783	740	217
5	251	387	221	e210	300	343	443	787	852	692	856	246
6	260	357	228	e210	332	376	437	733	948	615	1,110	295
7	286	355	230	236	349	343	440	738	1,190	568	1,030	281
8	297	342	234	218	349	322	507	894	1,900	560	598	274
9	286	318	227	220	349	304	987	905	1,890	527	457	298
10	277	319	224	218	357	308	835	894	1,850	636	579	256
11	245	319	226	215	e355	403	816	970	1,860	731	401	219
12	240	325	224	211	e300	519	790	1,130	1,930	479	383	206
13	228	374	226	209	307	559	726	1,290	1,680	421	391	203
14	217	340	229	205	e308	541	608	1,290	1,320	436	617	191
15	214	263	223	209	307	479	587	1,190	880	430	605	200
16	215	252	220	217	308	390	612	1,070	984	438	545	198
17	212	259	223	227	304	371	526	1,040	1,060	2,510	325	195
18	207	240	222	226	302	280	423	957	1,350	1,300	269	197
19	210	222	229	234	305	370	395	977	1,370	914	1,410	197
20	213	218	234	244	366	431	377	955	1,270	1,080	805	201
21	218	208	232	257	331	436	335	1,220	1,110	1,080	596	209
22	239	205	237	255	310	436	354	1,350	840	954	1,090	237
23	239	203	e232	249	304	311	1,230	1,290	846	936	871	315
24	261	202	e228	243	298	271	1,170	1,060	728	1,730	689	326
25	264	219	229	245	292	262	986	997	646	1,610	611	313
26	269	218	233	e242	284	316	1,110	1,040	650	1,190	553	262
27	277	217	223	e240	279	336	1,070	1,330	974	911	513	250
28	246	233	e212	259	276	343	1,190	1,320	1,490	766	463	268
29	258	246	e210	260	278	344	1,210	1,160	1,140	823	440	287
30	250	239	217	259	---	344	1,080	980	1,140	873	370	284
31	253	---	217	255	---	342	---	925	---	799	314	---
TOTAL	7,400	8,209	6,996	7,138	8,902	11,168	20,758	32,041	35,315	28,039	19,715	7,316
MEAN	239	274	226	230	307	360	692	1,034	1,177	904	636	244
MAX	297	387	237	260	366	559	1,230	1,350	1,930	2,510	1,410	326
MIN	186	202	210	205	253	262	276	733	646	421	269	191
AC-FT	14,680	16,280	13,880	14,160	17,660	22,150	41,170	63,550	70,050	55,620	39,100	14,510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	505	461	350	370	409	528	838	1,581	2,556	1,754	1,252	598
MAX	1,631	985	718	770	1,103	994	1,884	4,170	4,971	4,432	3,210	1,511
(WY)	(1985)	(1985)	(1987)	(1985)	(1985)	(1985)	(1987)	(1980)	(1997)	(1995)	(1984)	(1982)
MIN	187	170	165	177	211	219	220	460	426	352	120	138
(WY)	(1979)	(1979)	(2003)	(2003)	(2003)	(1978)	(1978)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	FOR WATER YEARS 1975 - 2004
ANNUAL TOTAL	191,601	192,997	a935
ANNUAL MEAN	525	527	1,626
HIGHEST ANNUAL MEAN			324
LOWEST ANNUAL MEAN			1985
HIGHEST DAILY MEAN	4,960	Jun 3	2,510
LOWEST DAILY MEAN	152	Jan 20	186
ANNUAL SEVEN-DAY MINIMUM	156	Jan 16	197
MAXIMUM PEAK FLOW			3,460
MAXIMUM PEAK STAGE			4.68
ANNUAL RUNOFF (AC-FT)	380,000	382,800	677,600
10 PERCENT EXCEEDS	1,200	1,110	2,140
50 PERCENT EXCEEDS	277	326	570
90 PERCENT EXCEEDS	190	217	259

e Estimated.

a Average discharge for 20 years (water years 1940-51, 1966-73), 867 ft³/s; 628,100 acre-ft/yr, prior to completion of Pueblo Dam.

b Minimum daily discharge for period of record, 50 ft³/s, Apr 2, 1940.

c From rating curve extended above 11,500 ft³/s on basis of velocity-area study. Maximum discharge and stage for period of record, about 50,000 ft³/s, June 18, 1965, gage height, 9.77 ft, datum then in use, from rating curve extended above 6,700 ft³/s, on basis of records for station near Pueblo and indirect measurements of peak flow on Fountain Creek at Pueblo, Chico Creek near North Avondale, and Arkansas River near Avondale.

d From floodmark.

07116500 HUERFANO RIVER NEAR BOONE, CO

LOCATION.--Lat 38°13'30", long 104°15'37", in NE¼NE¼ sec.18, T.21 S., R.61 W., Pueblo County, Hydrologic Unit 11020006, at right upstream end of bridge on U.S. Highway 50, 0.8 mi upstream from mouth, and 1.6 mi south of Boone.

DRAINAGE AREA.--1,875 mi².

PERIOD OF RECORD.--January 1922 to September 1925 (monthly and annual discharge only, published in WSP 1311 as "near Nepesta"), October 1979 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07116500

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gages. Datum of gage is 4,443.74 ft above NGVD of 1929. Jan. 1922 to Sept. 1925, at different datum.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by storage reservoirs, diversions for irrigation, ground-water withdrawals, and return flows from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	161	8.5	2.1	25	1.8
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171	7.4	0.84	19	1.6
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167	8.5	0.00	20	1.4
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	161	11	0.00	20	1.3
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	211	8.8	0.00	14	0.97
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	306	8.8	0.00	14	0.47
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	277	8.9	0.00	13	0.20
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	269	8.5	0.00	10	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	290	6.2	0.00	9.8	0.04
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	303	4.3	0.00	14	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	305	3.2	0.00	12	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	271	2.6	0.00	9.0	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	251	1.8	0.00	7.3	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	238	1.5	0.00	6.0	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	156	1.2	0.00	6.1	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33	1.0	0.00	5.3	0.00
17	0.00	0.00	0.00	0.00	0.00	13	0.00	123	1.2	200	4.4	0.00
18	0.00	0.00	0.00	0.00	0.00	7.5	0.00	209	1.7	535	5.3	0.00
19	0.00	0.00	0.00	0.00	0.00	8.6	0.00	208	2.1	181	98	0.00
20	0.00	0.00	0.00	0.00	0.00	5.6	0.00	190	1.6	80	31	0.00
21	0.00	0.00	0.00	0.00	0.00	0.09	0.00	190	1.4	59	17	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	155	1.4	49	11	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	1.8	87	0.39	51	7.2	0.56
24	0.00	0.00	0.00	0.00	0.00	0.00	7.6	28	0.00	68	3.9	4.8
25	0.00	0.00	0.00	0.00	0.00	0.00	29	21	0.00	92	3.4	4.6
26	0.00	0.00	0.00	0.00	0.00	0.00	60	17	0.40	51	2.9	4.3
27	0.00	0.00	0.00	0.00	0.00	0.00	38	15	0.51	56	2.7	3.8
28	0.00	0.00	0.00	0.00	0.00	0.00	54	14	8.5	40	2.9	3.4
29	0.00	0.00	0.00	0.00	0.00	0.00	28	12	3.4	34	2.6	13
30	0.00	0.00	0.00	0.00	0.00	0.00	80	11	2.2	39	2.2	7.8
31	0.00	---	0.00	0.00	---	0.00	---	9.6	---	36	1.9	---
TOTAL	0.00	0.00	0.00	0.00	0.00	34.79	298.40	4,859.6	117.00	1,573.94	400.9	50.04
MEAN	0.00	0.00	0.00	0.00	0.00	1.12	9.95	157	3.90	50.8	12.9	1.67
MAX	0.00	0.00	0.00	0.00	0.00	13	80	306	11	535	98	13
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.6	0.00	0.00	1.9	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	69	592	9,640	232	3,120	795	99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	9.33	15.0	14.3	18.9	21.8	19.7	30.5	144	88.8	24.3	26.4	5.67
MAX	46.7	46.0	40.2	65.1	65.2	129	224	1,113	667	226	254	26.5
(WY)	(1985)	(1986)	(1988)	(1984)	(1998)	(1984)	(1998)	(1987)	(1983)	(1995)	(1981)	(1995)
MIN	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.47	0.00	0.00	0.00	0.00
(WY)	(1990)	(1990)	(1990)	(1990)	(2003)	(2003)	(2003)	(2002)	(2002)	(1989)	(2002)	(1980)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	247.71		7,334.67			
ANNUAL MEAN	0.68		20.0			
HIGHEST ANNUAL MEAN					153	1987
LOWEST ANNUAL MEAN					0.68	2003
HIGHEST DAILY MEAN	22	Jun 20	535	Jul 18	2,900	Aug 12, 1981
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	a0.00	Oct 1, 1979
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1979
MAXIMUM PEAK FLOW			b1,670	Jul 18	c8,030	Aug 12, 1981
MAXIMUM PEAK STAGE			12.04	Jul 18	d10.90	Aug 12, 1981
ANNUAL RUNOFF (AC-FT)	491		14,550		25,370	
10 PERCENT EXCEEDS	0.07		50		57	
50 PERCENT EXCEEDS	0.00		0.00		5.6	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

a No flow on many days during most years.

b From rating curve extended above 1,090 ft³/s.

c From rating curve extended above 1,130 ft³/s. Maximum discharge for period of record, 19,400 ft³/s, Aug 1, 1923, from slope-area measurement of peak flow, gage height, 9.4 ft, datum then in use.

d From flood marks. Maximum gage height for period of record, 12.04 ft, Jul 18, 2004.

07119500 APISHAPA RIVER NEAR FOWLER, CO

LOCATION.--Lat 38°05'28", long 103°58'52", in SE¹/₄NW¹/₄ sec.35, T.22 S., R.59 W., Otero Country, Hydrologic Unit 11020007, on left bank on downstream side of bridge on county road HH.5, 3.5 mi southeast of Fowler, and 5.4 mi upstream from mouth.

DRAINAGE AREA.--1,125 mi².

PERIOD OF RECORD.--April 1922 to September 1925, May 1939 to current year. Monthly discharge only for some periods, published in WSP 1311. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07119500

REVISED RECORDS.--WSP 957: 1939, 1941. WSP 1117: Drainage area. WSP 1241: 1923(M). WRD Colo. 1974: 1973(M).

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,317.05 ft above NGVD of 1929. See WSP 1711 or 1731 for history of changes prior to May 27, 1939. May 27, 1939 to July 30, 1940, at different datum. July 30, 1940 to Sept. 30, 1985, at site on right bank at datum 2.0 ft higher. Sept. 30, 1985 to July 2, 2002, at site on right bank at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by erosion-control and livestock-watering reservoirs, diversions for irrigation, ground-water withdrawals, return flows from irrigated areas, and waste-water flows from Oxford Farmers Co. and Rocky Ford Highline canals.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	3.3	3.0	2.8	2.4	2.1	2.3	24	2.6	119	16	7.3
2	2.9	3.6	3.0	2.7	2.4	2.0	2.6	33	4.9	18	7.8	5.2
3	2.9	3.4	3.0	2.6	2.4	2.0	3.2	25	3.1	13	5.7	e3.8
4	2.9	2.9	3.0	2.6	2.4	2.0	3.0	16	5.7	12	7.8	e3.4
5	3.0	2.9	3.0	2.6	2.4	2.1	3.0	20	2.2	10	5.3	e3.1
6	2.8	3.0	3.0	2.6	2.3	1.9	2.2	27	4.0	28	3.3	e3.0
7	2.9	3.8	2.9	2.6	2.3	1.9	2.3	22	3.0	4.8	5.7	e2.9
8	2.9	4.5	3.0	2.5	2.2	1.9	2.5	23	3.2	4.9	3.2	e2.8
9	2.9	4.5	2.9	2.6	2.3	1.9	2.6	27	3.0	3.3	3.2	e2.7
10	2.8	2.9	2.9	2.6	2.3	2.0	3.0	22	18	2.9	3.6	e2.7
11	2.9	3.0	2.8	2.6	2.4	2.0	2.7	14	8.9	2.8	4.1	e2.6
12	3.0	3.0	2.6	2.6	2.4	2.0	2.7	12	11	4.0	4.2	e2.6
13	2.8	3.3	2.5	2.6	2.2	2.0	3.1	9.8	10	4.2	2.8	e2.6
14	2.9	29	2.5	2.6	2.2	2.1	2.6	8.1	8.6	2.7	2.8	e2.7
15	2.9	8.0	2.5	2.6	2.2	4.3	2.7	6.2	9.5	2.8	2.8	e2.8
16	2.9	3.1	2.5	2.6	2.1	5.1	2.9	8.3	9.0	3.8	3.8	e2.7
17	2.9	3.1	2.5	2.5	2.1	24	2.9	11	4.9	4.3	3.1	e2.9
18	2.9	3.1	2.5	2.5	2.1	4.6	23	7.6	4.0	599	4.0	e2.9
19	2.8	3.1	2.4	2.5	2.3	2.8	30	9.3	8.8	78	12	e3.1
20	2.8	3.2	2.4	2.5	2.3	2.6	3.6	8.8	20	20	12	e3.3
21	2.8	3.2	2.5	2.5	2.1	2.5	3.5	7.1	12	9.2	12	e3.5
22	2.9	3.2	2.6	2.5	2.1	2.3	3.6	6.4	12	53	11	e3.4
23	3.0	3.2	2.7	2.5	2.1	2.1	8.9	11	11	300	11	e3.4
24	2.9	3.2	2.7	2.4	2.0	2.0	8.9	12	7.6	78	12	e3.5
25	3.0	3.2	2.7	2.4	2.1	1.9	3.8	13	3.1	24	7.1	e3.5
26	3.1	3.2	2.7	2.6	1.9	1.9	3.7	9.4	87	14	8.9	e3.7
27	3.6	3.2	2.7	2.4	2.0	2.0	3.6	4.4	45	14	4.7	e3.8
28	3.6	3.2	2.7	2.4	2.1	2.0	3.8	12	22	12	6.9	e3.8
29	3.0	3.1	2.7	2.4	2.1	1.9	3.9	11	14	194	6.0	e4.0
30	3.1	3.0	2.8	2.4	---	2.1	5.1	15	13	27	6.7	e4.0
31	3.0	---	2.8	2.4	---	2.2	---	11	---	19	6.5	---
TOTAL	91.5	128.4	84.5	78.7	64.2	94.2	151.7	446.4	371.1	1,681.7	206.0	101.7
MEAN	2.95	4.28	2.73	2.54	2.21	3.04	5.06	14.4	12.4	54.2	6.65	3.39
MAX	3.6	29	3.0	2.8	2.4	24	30	33	87	599	16	7.3
MIN	2.7	2.9	2.4	2.4	1.9	1.9	2.2	4.4	2.2	2.7	2.8	2.6
AC-FT	181	255	168	156	127	187	301	885	736	3,340	409	202

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)																																								
1922	15.1	87.2	(1924)	1.06	(1965)	16.1	83.1	(1966)	0.90	(1940)	10.5	54.7	(1966)	1.33	(1955)	6.76	30.4	(1966)	2.29	(2003)	8.82	54.0	(1971)	1.85	(1976)	11.1	59.6	(1924)	1.35	(1955)	21.0	530	(1942)	0.94	(1955)	42.0	576	(1955)	1.65	(1975)	43.3	290	(1948)	1.13	(1954)	51.5	306	(1958)	1.53	(1974)	61.3	628	(1923)	1.56	(1974)	18.6	154	(1940)	1.07	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1922 - 2004	
ANNUAL TOTAL	3,712.3		3,500.1			
ANNUAL MEAN	10.2		9.56		25.7	
HIGHEST ANNUAL MEAN					105	
LOWEST ANNUAL MEAN					4.94	
HIGHEST DAILY MEAN	895	Jul 29	599	Jul 18	10,100	May 19, 1955
LOWEST DAILY MEAN	2.0	Feb 25	1.9	Feb 26	0.00	Feb 5, 1951
ANNUAL SEVEN-DAY MINIMUM	2.1	Mar 2	1.9	Mar 6	0.16	Jan 30, 1951
MAXIMUM PEAK FLOW			2,050		a83,000	
MAXIMUM PEAK STAGE			11.37		b17.70	
ANNUAL RUNOFF (AC-FT)	7,360		6,940		18,620	
10 PERCENT EXCEEDS	5.8		14		41	
50 PERCENT EXCEEDS	2.9		3.0		6.5	
90 PERCENT EXCEEDS	2.2		2.2		2.0	

e Estimated.

a From slope-area measurement of peak flow at site 2 mi upstream from present site, caused by failure of Apishapa Dam 31 mi upstream.

b Site and datum then in use. Peak stage for flood of Aug 22, 1923, unknown.

07119700 ARKANSAS RIVER AT CATLIN DAM NEAR FOWLER, CO

LOCATION.--Lat 38°07'33", long 103°54'41", in NE¹/₄NE¹/₄ sec.20, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, on right bank at Catlin Canal flume gage, 2.2 mi downstream from diversion dam for Catlin Canal, 2.3 mi downstream from Apishapa River, and 6.0 mi east of Fowler.

DRAINAGE AREA.--10,901 mi², of which 54 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1964 to current year. Statistical summary computed for 1975 to current year, subsequent to completion of Pueblo Reservoir. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07119700

GAGE.--Water-stage recorder with satellite telemetry on river; water-stage recorder with satellite telemetry and Parshall flume on Catlin Canal. Datum of gage on river is 4,245.92 ft and on canal is 4,257.87 ft above NGVD of 1929. Prior to May 13, 1971, gage on river at site 2.2 mi upstream at datum 24.08 ft higher, and gage on canal at site 1.7 mi upstream at datum 3.26 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Discharge computed by combining discharge of river downstream from canal with that of Catlin Canal. Natural flow of stream affected by storage reservoirs, power developments, transbasin and transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants. Flow partly regulated by Pueblo Reservoir (station 07099350) about 69 mi upstream since Jan. 9, 1974.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	181	30	26	25	25	315	1,070	970	1,110	699	269
2	73	202	31	23	e22	25	255	959	891	1,120	624	216
3	74	209	29	23	23	26	257	998	899	941	624	190
4	73	229	30	e23	25	28	315	972	927	749	623	196
5	78	e243	28	e22	29	32	411	936	897	649	632	199
6	100	e284	30	e22	e28	21	e366	942	897	e628	761	188
7	116	291	31	e26	e26	29	347	905	1,000	531	958	220
8	122	297	33	e26	e25	33	347	917	1,350	493	600	222
9	126	291	34	e28	e22	29	408	1,090	1,760	471	352	206
10	119	266	e34	e28	e20	29	746	1,070	1,710	423	390	207
11	118	267	e32	30	e22	28	630	1,070	1,640	541	501	176
12	105	284	e30	30	e22	31	644	1,170	1,710	519	371	151
13	104	286	e30	e28	e21	43	603	1,370	1,690	362	332	126
14	99	303	e32	e28	e20	28	545	1,500	1,420	324	297	133
15	98	307	e34	29	e23	91	427	1,480	1,050	312	440	117
16	100	80	e34	29	e28	383	445	1,200	752	301	448	116
17	101	49	e33	28	33	366	469	1,040	982	709	406	114
18	101	29	e32	28	30	355	402	1,220	1,080	3,300	276	105
19	100	25	e34	27	26	285	373	1,170	1,230	921	645	101
20	101	28	e32	28	29	349	311	1,160	1,260	660	1,380	101
21	102	36	e32	29	24	405	293	1,230	1,130	946	474	96
22	100	33	29	29	24	422	280	1,480	947	973	391	129
23	111	e30	26	e29	23	424	571	1,510	723	1,170	840	143
24	125	e25	e28	e29	24	316	1,380	1,270	674	1,020	605	191
25	136	e30	e30	e30	24	280	1,060	1,000	604	1,560	484	204
26	153	e35	e30	e28	24	274	894	969	591	1,130	420	207
27	159	e40	e22	e26	23	307	1,020	1,120	622	1,020	425	175
28	175	e35	e22	e27	23	327	933	1,310	1,070	911	423	151
29	162	e40	e25	e30	26	330	1,070	1,270	1,320	936	379	167
30	164	38	e28	e29	---	337	1,110	1,110	796	755	376	195
31	170	---	e32	26	---	332	---	992	---	780	327	---
TOTAL	3,534	4,493	937	844	714	5,990	17,227	35,500	32,592	26,265	16,503	5,011
MEAN	114	150	30.2	27.2	24.6	193	574	1,145	1,086	847	532	167
MAX	175	307	34	30	33	424	1,380	1,510	1,760	3,300	1,380	269
MIN	69	25	22	22	20	21	255	905	591	301	276	96
AC-FT	7,010	8,910	1,860	1,670	1,420	11,880	34,170	70,410	64,650	52,100	32,730	9,940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004		
MEAN	391	426	373	395	364	404	598	1,262	2,006	1,300	949	421																				
MAX	1,234	925	804	854	1,249	912	1,526	3,901	4,420	4,108	2,384	1,209																				
(WY)	(1985)	(1985)	(2000)	(1985)	(1985)	(1998)	(1987)	(1999)	(1995)	(1995)	(1984)	(1982)																				
MIN	90.8	119	30.2	27.2	24.6	161	86.6	212	280	176	25.2	34.7																				
(WY)	(2003)	(2003)	(2004)	(2004)	(2004)	(2003)	(1978)	(1981)	(2002)	(2002)	(2002)	(2002)																				

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR			WATER YEARS 1975 - 2004	
ANNUAL TOTAL	127,860		149,610				
ANNUAL MEAN	350		409			a742	
HIGHEST ANNUAL MEAN						1,327 1995	
LOWEST ANNUAL MEAN						206 2002	
HIGHEST DAILY MEAN	3,530		3,300			Jul 18 e,b16,300 May 1, 1999	
LOWEST DAILY MEAN	15		e20			Feb 10 c0.00 Sep 11, 2002	
ANNUAL SEVEN-DAY MINIMUM	26		e21			Feb 9 1.2 Sep 5, 2002	
MAXIMUM PEAK FLOW			d4,110			Jul 18 e,d,f26,000 May 1, 1999	
MAXIMUM PEAK STAGE			g5.99			Jul 18 g11.30 May 1, 1999	
ANNUAL RUNOFF (AC-FT)	253,600		296,800			537,900	
10 PERCENT EXCEEDS	1,020		1,100			1,600	
50 PERCENT EXCEEDS	155		221			447	
90 PERCENT EXCEEDS	29		26			160	

- e Estimated.
- a Average discharge for 9 years (water years 1965-73), 636 ft³/s, 460,800 acre-ft/yr, prior to completion of Pueblo Dam.
- b Maximum daily discharge for period of record, 18,300 ft³/s, Jun 18, 1965.
- c Also minimum daily discharge for period of record.
- d Maximum combined instantaneous discharge.
- f Maximum discharge and gage height for period of record, 43,200 ft³/s, Jun 18, 1965, gage height, 7.95 ft, site and datum then in use, from rating curve extended above 13,000 ft³/s on basis of flow-over-dam computation of peak flow.
- g Gage height at Arkansas River gage.

07121500 TIMPAS CREEK AT MOUTH NEAR SWINK, CO

LOCATION.--Lat 38°00'11", long 103°39'20", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.23 S., R.56 W., Otero County, Hydrologic Unit 11020005, on right bank at downstream side of 23rd Rd. bridge, 1.7 mi southwest of Swink, and 2.9 mi upstream from mouth.

DRAINAGE AREA.--496 mi².

PERIOD OF RECORD.--January 1922 to September 1925, March 1968 to current year. Monthly discharge only for some periods, published in WSP 1311. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07121500

REVISED RECORDS.--WDR CO 76-1: 1975.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,120 ft above NGVD of 1929, from topographic map. Jan. 1922 to Sept. 1925 at several sites downstream at different datum. Mar. 1968 to May 29, 1975, at site 140 ft downstream at datum 0.13 ft lower. May 30, 1975 to Nov. 25, 1980, at site on left bank at same datum.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by erosion-control and livestock-watering reservoirs, diversions for irrigation, ground-water withdrawals, and return flows from irrigated areas and from Catlin and Rocky Ford Highline Canals.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1922, 21,400 ft³/s, June 17, 1965, gage height unknown.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	28	4.8	5.0	5.7	5.9	44	75	56	75	72	77
2	31	11	5.0	5.0	5.7	6.0	24	72	54	80	68	68
3	32	11	4.9	5.0	5.5	6.5	24	68	57	87	65	55
4	32	12	4.9	5.0	5.5	8.8	24	67	64	84	75	44
5	35	9.8	4.6	5.0	5.4	10	23	62	59	78	77	35
6	34	8.0	4.8	5.2	5.6	9.0	23	64	59	104	71	43
7	33	11	5.0	5.4	5.7	7.7	23	65	56	86	68	32
8	33	21	5.2	5.3	5.7	7.2	24	62	54	100	70	31
9	33	35	5.4	5.0	5.7	6.4	30	61	54	86	70	31
10	33	30	5.3	5.0	5.7	6.5	49	61	60	79	65	30
11	33	9.0	5.4	5.0	6.0	6.5	64	60	56	76	69	32
12	34	9.2	5.4	4.9	5.9	6.6	60	61	57	79	84	31
13	33	7.8	5.4	4.8	6.0	6.7	57	66	55	56	94	30
14	36	23	5.4	4.7	5.9	6.7	57	74	53	27	94	31
15	37	62	5.2	4.9	5.8	18	53	72	54	24	69	30
16	34	16	5.0	5.1	5.7	22	50	68	54	23	59	32
17	33	9.8	5.2	5.5	5.7	29	51	65	60	36	52	27
18	33	5.3	5.3	5.7	6.1	30	56	61	64	388	44	27
19	33	5.4	5.5	5.6	6.5	26	50	63	66	152	146	34
20	32	5.3	5.7	5.7	7.0	23	42	68	92	85	83	31
21	30	5.2	5.7	5.7	7.5	19	28	68	76	69	51	27
22	29	5.3	5.9	5.7	8.6	18	31	67	72	110	95	35
23	30	5.4	5.6	5.7	6.8	18	51	70	69	245	75	33
24	29	5.6	5.4	5.7	6.6	17	70	62	65	97	71	29
25	30	5.8	5.4	5.8	6.1	17	73	56	59	98	80	27
26	31	5.5	5.3	6.0	6.1	18	72	58	87	104	79	28
27	32	5.2	5.0	5.8	6.1	18	67	56	89	98	81	24
28	29	5.0	4.8	5.7	6.1	25	64	53	132	78	96	26
29	29	5.1	4.9	5.7	6.1	23	69	56	110	64	93	26
30	33	5.3	5.0	5.6	---	25	75	63	114	69	81	25
31	38	---	5.3	5.4	---	46	---	58	---	68	84	---
TOTAL	1,006	383.0	161.7	165.6	176.8	492.5	1,428	1,982	2,057	2,905	2,381	1,031
MEAN	32.5	12.8	5.22	5.34	6.10	15.9	47.6	63.9	68.6	93.7	76.8	34.4
MAX	38	62	5.9	6.0	8.6	46	75	75	132	388	146	77
MIN	29	5.0	4.6	4.7	5.4	5.9	23	53	53	23	44	24
AC-FT	2,000	760	321	328	351	977	2,830	3,930	4,080	5,760	4,720	2,040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)																											
	85.7	265	(1924)	9.21	(2003)	73.7	210	(1924)	12.8	(2004)	33.4	109	(1971)	5.22	(2004)	22.4	60.4	(1923)	5.34	(2004)	29.4	84.6	(1924)	6.10	(2004)	15.9	(2004)	63.4	170	(1978)	75.9	187	(1981)	81.3	318	(2002)	73.3	200	(2002)	83.1	401	(2002)	69.8	159	(1986)	9.60	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1922 - 2004	
ANNUAL TOTAL	13,323.3		14,169.6			
ANNUAL MEAN	36.5		38.7		62.6	
HIGHEST ANNUAL MEAN					130	
LOWEST ANNUAL MEAN					23.7	
HIGHEST DAILY MEAN	864	Jun 30	388	Jul 18	2,670	Aug 17, 1923
LOWEST DAILY MEAN	4.6	Dec 5	4.6	Dec 5	3.3	Aug 7, 1977
ANNUAL SEVEN-DAY MINIMUM	4.9	Dec 1	4.9	Dec 1	4.9	Dec 1, 2003
MAXIMUM PEAK FLOW			897	Jul 18	a12,300	Jul 10, 1978
MAXIMUM PEAK STAGE			10.24	Jul 18	b21.11	Jul 10, 1978
ANNUAL RUNOFF (AC-FT)	26,430		28,110		45,370	
10 PERCENT EXCEEDS	77		79		122	
50 PERCENT EXCEEDS	32		31		48	
90 PERCENT EXCEEDS	5.5		5.3		15	

a From contracted-opening measurement of peak flow.

b From floodmark.

07123000 ARKANSAS RIVER AT LA JUNTA, CO

LOCATION.--Lat 37°59'26", long 103°31'55", in SE¹/₄NE¹/₄ 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, and 450 ft upstream from King Arroyo.

DRAINAGE AREA.--12,210 mi², of which 115 mi² is probably noncontributing.

PERIOD OF RECORD.--May to August 1889 and September 1893 to December 1895 (gage heights, discharge measurements, and flood data only), April to October 1903 and June to November 1908 (gage heights and discharge measurements only), April 1912 to current year. Monthly discharge only for some periods, published in WSP 1311. Published as "near La Junta" in 1903. Statistical summary computed for 1975 to current year subsequent to completion of Pueblo Dam. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07123000

REVISED RECORDS.--WSP 1341: Drainage area. WSP 1731: 1922.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,039.60 ft above NGVD 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.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, power developments, transbasin and transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants. Flow partly regulated by Pueblo Reservoir (station 07099350) about 82 mi upstream since Jan. 9, 1974.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	5.9	69	63	65	61	49	143	552	106	258	83
2	52	5.1	64	58	e55	53	24	141	504	243	292	59
3	58	7.8	60	49	55	51	38	137	460	391	267	37
4	61	7.4	61	e44	58	56	55	139	540	510	266	42
5	58	5.8	63	e39	62	63	66	139	473	472	431	55
6	57	5.2	61	e20	e58	64	64	137	431	439	218	50
7	45	3.9	64	e25	e60	61	45	140	437	354	282	38
8	32	13	64	e40	e60	56	49	134	538	251	241	39
9	34	38	61	e45	e55	58	65	134	617	190	77	32
10	25	32	56	e50	e55	57	92	135	709	154	66	25
11	17	9.2	e57	e50	e50	58	82	173	557	121	62	23
12	16	7.3	e64	e50	e40	59	78	334	574	217	64	21
13	13	14	e75	e50	e35	58	68	429	673	167	57	17
14	19	27	e82	e50	e45	61	64	640	591	124	46	15
15	17	247	e90	53	e55	21	64	694	597	117	52	14
16	14	255	e92	54	e75	13	56	683	521	109	131	14
17	15	137	e87	52	e80	31	63	565	416	164	130	13
18	14	104	e89	49	83	52	58	488	569	1,270	138	12
19	15	89	e83	51	80	49	64	508	564	1,820	460	13
20	14	83	e75	54	88	47	32	498	457	160	162	13
21	15	e60	99	61	78	36	36	483	369	472	87	13
22	15	75	105	e59	76	52	48	475	171	627	50	15
23	15	e55	e70	e59	71	86	154	456	413	833	68	14
24	10	e48	e60	59	66	91	358	452	377	387	48	13
25	9.5	e56	e55	61	62	45	485	433	286	88	45	23
26	11	e65	e60	55	60	45	490	448	216	226	71	31
27	9.3	e70	57	35	63	47	404	481	220	328	184	20
28	15	e68	e43	40	62	53	277	622	369	654	190	21
29	16	e70	e32	45	60	66	143	777	291	526	171	14
30	10	75	e42	60	---	57	143	814	237	461	137	13
31	6.3	---	e85	70	---	49	---	625	---	383	120	---
TOTAL	766.1	1,738.6	2,125	1,550	1,812	1,656	3,714	12,457	13,729	12,364	4,871	792
MEAN	24.7	58.0	68.5	50.0	62.5	53.4	124	402	458	399	157	26.4
MAX	61	255	105	70	88	91	490	814	709	1,820	460	83
MIN	6.3	3.9	32	20	35	13	24	134	171	88	45	12
AC-FT	1,520	3,450	4,210	3,070	3,590	3,280	7,370	24,710	27,230	24,520	9,660	1,570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	157	121	117	156	147	106	130	551	855	496	308	115
MAX	1,189	545	335	569	620	517	821	3,375	4,307	3,634	1,345	464
(WY)	(1985)	(1987)	(1987)	(1998)	(1985)	(1998)	(1998)	(1999)	(1995)	(1995)	(1984)	(1982)
MIN	8.82	4.21	13.5	9.50	6.37	19.6	6.67	15.1	20.0	21.0	19.1	9.59
(WY)	(1978)	(1979)	(1976)	(1976)	(1976)	(1978)	(1978)	(2002)	(2002)	(2002)	(2002)	(1977)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	40,563.7		57,574.7			
ANNUAL MEAN	111		157		a272	
HIGHEST ANNUAL MEAN					832	
LOWEST ANNUAL MEAN					47.7	
HIGHEST DAILY MEAN	1,540	Jun 5	1,820	Jul 19	e,b19,000	May 2, 1999
LOWEST DAILY MEAN	3.9	Nov 7	3.9	Nov 7	e2.5	Dec 8, 1978
ANNUAL SEVEN-DAY MINIMUM	5.9	Nov 1	5.9	Nov 1	3.0	Dec 4, 1978
MAXIMUM PEAK FLOW			3,710	Jul 19	e,d30,000	May 2, 1999
MAXIMUM PEAK STAGE			10.48	Jul 19	f15.55	May 2, 1999
ANNUAL RUNOFF (AC-FT)	80,460		114,200		197,200	
10 PERCENT EXCEEDS	284		477		591	
50 PERCENT EXCEEDS	53		63		94	
90 PERCENT EXCEEDS	17		15		21	

e Estimated.

a Average discharge for 61 years (water years 1913-73), 244 ft³/s; 176,800 acre-ft/yr, prior to completion of Pueblo Dam.

b Maximum daily discharge for period of record, 61,100 ft³/s, Jun 4, 1921.

c Also occurred Dec 9, 1978; minimum daily discharge for period of record, no flow, Jan 20-23 and Mar 20-23, 1915.

d Peak discharge includes 7,600 ft³/s (estimated) that bypassed the main channel; maximum discharge for period of record, 200,000 ft³/s, Jun 4, 1921, from rating curve extended above 15,000 ft³/s on basis of slope-area measurement of peak flow.

f Gage height reflects the discharge flowing in the main channel; maximum gage height for period of record, 18.4 ft, Jun 4, 1921, site and datum then in use.

07124000 ARKANSAS RIVER AT LAS ANIMAS, CO

LOCATION.--Lat 38°04'51", long 103°13'09", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.23 S., R.52 W., Bent County, Hydrologic Unit 11020009, on right bank at upstream side of bridge on U.S. Highway 50, 1.1 mi north of courthouse in Las Animas, and 4.2 mi upstream from Purgatoire River.

DRAINAGE AREA.--14,417 mi², of which 441 mi² are probably noncontributing.

PERIOD OF RECORD.--May to November 1898 (gage heights only), August to November 1909 (gage heights and discharge measurements only), May 1939 to current year. Statistical summary computed for 1975 to current year, subsequent to partial regulation by Pueblo Reservoir. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07124000

REVISED RECORDS.--WSP 1341: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 3,883.97 ft above NGVD of 1929. May 13 to Nov. 12, 1898, and Aug. 1 to Nov. 10, 1909, nonrecording gages near present site at different datums. May 23, 1939 to Apr. 27, 1967, water-stage recorder at site 0.4 mi downstream at datum 9.00 ft lower.

REMARKS.--Records good except for estimated daily discharges and those above 1,000 cfs, which are poor. Natural flow of stream affected by storage reservoirs, power developments, transbasin and transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants. Flow partly regulated by Pueblo Reservoir (station 07099350) about 104 mi upstream since Jan. 9, 1974.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	15	90	98	80	65	10	116	491	201	334	143
2	43	12	86	89	74	63	12	105	487	201	295	115
3	42	12	82	83	68	59	13	97	444	280	320	92
4	42	12	79	78	67	61	12	87	441	377	302	74
5	42	11	77	69	69	62	13	81	472	423	502	64
6	40	e10	75	37	67	62	14	75	418	399	385	62
7	33	e10	76	45	63	60	13	70	382	357	307	55
8	28	e10	78	62	66	59	12	67	383	291	339	46
9	25	e10	76	74	66	59	12	62	473	226	270	41
10	31	10	74	91	61	59	e13	57	540	190	175	36
11	27	11	71	95	62	57	e14	55	503	172	153	32
12	24	11	72	85	52	54	14	79	479	157	132	29
13	21	11	60	80	41	56	13	197	522	205	120	26
14	20	11	69	75	61	55	13	304	539	170	104	24
15	22	27	108	73	85	41	12	451	511	139	91	23
16	23	120	91	73	104	23	12	483	521	132	88	23
17	22	145	80	72	106	20	11	485	460	124	147	23
18	22	135	97	69	101	18	11	415	467	123	179	22
19	22	115	101	68	96	17	11	414	516	653	1,560	22
20	22	96	98	69	97	15	11	409	532	363	963	22
21	21	86	96	73	96	14	11	413	506	267	1,160	21
22	20	82	107	73	90	14	13	384	366	414	495	21
23	21	70	107	71	84	14	22	382	304	511	366	20
24	15	54	93	69	78	15	81	368	378	518	250	20
25	14	76	87	71	73	13	200	384	367	232	184	19
26	16	102	85	71	73	12	311	378	313	144	146	19
27	17	120	84	44	71	12	290	389	258	222	153	19
28	19	108	74	49	70	11	261	415	314	373	212	19
29	21	95	59	62	66	11	174	522	355	479	215	18
30	20	92	71	87	---	11	122	570	330	406	189	18
31	17	---	83	84	---	10	---	586	---	393	166	---
TOTAL	795	1,679	2,586	2,239	2,187	1,102	1,731	8,900	13,072	9,142	10,302	1,168
MEAN	25.6	56.0	83.4	72.2	75.4	35.5	57.7	287	436	295	332	38.9
MAX	43	145	108	98	106	65	311	586	540	653	1,560	143
MIN	14	10	59	37	41	10	10	55	258	123	88	18
MED	22	41	82	73	71	23	13	378	463	267	215	23
AC-FT	1,580	3,330	5,130	4,440	4,340	2,190	3,430	17,650	25,930	18,130	20,430	2,320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	149	142	140	179	186	116	120	553	841	459	296	105																		
MAX	1,092	810	398	641	761	422	877	4,043	4,263	3,339	1,343	373																		
(WY)	(1985)	(1998)	(1998)	(1998)	(1985)	(1998)	(1987)	(1999)	(1995)	(1995)	(1999)	(1984)																		
MIN	5.13	6.05	8.40	8.45	18.5	9.44	10.8	14.1	16.8	10.0	14.5	9.12																		
(WY)	(1978)	(1975)	(1978)	(1978)	(1978)	(1975)	(1978)	(1981)	(2002)	(2002)	(2002)	(1977)																		

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1975 - 2004
ANNUAL TOTAL	36,922	54,903	
ANNUAL MEAN	101	150	a274
HIGHEST ANNUAL MEAN			841
LOWEST ANNUAL MEAN			59.8
HIGHEST DAILY MEAN	1,090	1,560	b22,600
LOWEST DAILY MEAN	e10	e10	c3.0
ANNUAL SEVEN-DAY MINIMUM	10	10	4.1
MAXIMUM PEAK FLOW		2,700	d32,900
MAXIMUM PEAK STAGE		9.11	f14.02
ANNUAL RUNOFF (AC-FT)	73,230	108,900	198,700
10 PERCENT EXCEEDS	225	415	541
50 PERCENT EXCEEDS	55	76	111
90 PERCENT EXCEEDS	14	13	16

e Estimated.

a Average discharge for 34 years (water years 1940-73), 203 ft³/s; 147,100 acre-ft/yr, prior to completion of Pueblo Dam.

b Maximum daily discharge for period of record, 25,800 ft³/s, May 20, 1955.

c Minimum daily discharge for period of record, 0.9 ft³/s, Jul 31, Aug 1 and 3, 1964.

d From rating curve extended above 21,600 ft³/s; maximum discharge and stage for period of record, 44,000 ft³/s, May 20, 1955, gage height, 15.03 ft, from current-meter measurement and slope-area measurement of over-flow channel, site and datum then in use.

f From floodmark.

07124200 PURGATOIRE RIVER AT MADRID, CO

LOCATION.--Lat 37°07'46", long 104°38'22", in SW¹/₄NE¹/₄ sec.35, T.33 S., R.65 W., Las Animas County, Hydrologic Unit 11020010, on left bank 70 ft downstream from county road bridge, 0.3 mi northeast of Madrid, 1.0 mi downstream from Burro Canyon, and 9 mi west of Trinidad.

DRAINAGE AREA.--505 mi².

PERIOD OF RECORD.--March 1972 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07124200

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 6,261.61 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records good except for July 17 to August 13, and estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation and municipal use, ground-water withdrawals, and return flows from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	31	24	e15	18	14	23	477	132	155	147	78
2	40	30	22	e16	e18	19	25	624	130	130	133	70
3	56	28	20	e15	e18	17	70	540	134	111	124	64
4	69	27	20	e15	e15	19	47	441	153	102	190	64
5	48	25	23	e16	e16	21	49	406	177	95	1,490	67
6	41	23	22	e17	e16	16	52	398	197	94	686	60
7	45	26	21	e18	e17	19	61	401	203	88	488	57
8	43	27	20	e17	e17	20	82	405	206	81	351	54
9	39	26	20	e17	e18	21	100	392	204	76	310	54
10	37	24	14	e18	e17	23	99	390	198	74	258	52
11	35	23	24	e19	e17	23	96	389	168	85	670	48
12	36	22	27	e20	17	22	90	386	150	78	525	46
13	35	25	20	e19	e18	23	100	363	138	73	456	44
14	34	26	e14	e20	e19	24	118	318	134	66	212	40
15	33	25	e12	e19	e21	24	114	269	136	71	162	38
16	31	25	e14	e19	28	22	111	249	129	87	123	37
17	30	25	e15	18	28	21	116	250	121	302	109	34
18	28	23	e17	16	24	21	124	240	118	201	101	31
19	26	22	e18	15	24	22	121	232	123	236	144	34
20	28	26	e21	e16	21	24	115	239	121	181	230	38
21	29	24	e20	e15	18	25	110	251	118	170	223	34
22	29	23	e20	13	15	26	111	248	117	164	175	37
23	30	18	e21	e15	15	27	117	233	109	157	137	37
24	27	19	e20	e15	19	27	169	212	99	266	113	34
25	27	e20	e17	16	14	28	209	191	120	528	104	36
26	28	e21	e14	e18	16	28	281	171	117	287	87	34
27	30	21	e14	e19	20	29	642	161	127	246	90	34
28	31	14	e13	e18	20	30	753	157	135	260	95	40
29	30	e23	e14	e18	15	27	564	164	197	270	82	47
30	29	e23	e14	e18	---	25	494	163	187	205	76	37
31	31	---	e15	e17	---	23	---	144	---	167	83	---
TOTAL	1,099	715	570	527	539	710	5,163	9,504	4,398	5,106	8,174	1,380
MEAN	35.5	23.8	18.4	17.0	18.6	22.9	172	307	147	165	264	46.0
MAX	69	31	27	20	28	30	753	624	206	528	1,490	78
MIN	26	14	12	13	14	14	23	144	99	66	76	31
AC-FT	2,180	1,420	1,130	1,050	1,070	1,410	10,240	18,850	8,720	10,130	16,210	2,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2004, BY WATER YEAR (WY)

MEAN	29.9	24.5	20.6	18.5	19.2	20.7	49.2	145	189	122	112	55.4
MAX	78.5	39.2	40.3	36.6	37.2	55.9	204	547	589	313	342	232
(WY)	(1983)	(1999)	(1984)	(1984)	(1983)	(1987)	(1987)	(1999)	(1983)	(1983)	(1981)	(1981)
MIN	9.89	12.7	8.47	7.60	5.80	9.72	11.0	14.4	9.51	12.5	8.12	11.0
(WY)	(1973)	(1977)	(1977)	(1973)	(1977)	(1979)	(2002)	(2002)	(2002)	(2002)	(2002)	(1978)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1972 - 2004	
ANNUAL TOTAL	16,329.7		37,885			
ANNUAL MEAN	44.7		104		68.8	
HIGHEST ANNUAL MEAN					145	
LOWEST ANNUAL MEAN					13.0	
HIGHEST DAILY MEAN	291	Sep 3	1,490	Aug 5	1,640	Sep 7, 1981
LOWEST DAILY MEAN	8.6	Feb 4	e12	Dec 15	1.4	Sep 7, 2002
ANNUAL SEVEN-DAY MINIMUM	9.3	Feb 2	e14	Dec 26	2.8	Aug 26, 2002
MAXIMUM PEAK FLOW			a6,230	Aug 5	b14,300	Jul 20, 1976
MAXIMUM PEAK STAGE			7.12	Aug 5	c12.80	Jul 20, 1976
ANNUAL RUNOFF (AC-FT)	32,390		75,140		49,830	
10 PERCENT EXCEEDS	114		250		174	
50 PERCENT EXCEEDS	27		36		29	
90 PERCENT EXCEEDS	12		17		13	

e Estimated.

a From slope-area measurement of peak flow.

b From timed-drift measurement of peak flow.

c From floodmarks.

07124410 PURGATOIRE RIVER BELOW TRINIDAD LAKE, CO

LOCATION.--Lat 37°08'38", long 104°32'50", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.33 S., R.64 W., Las Animas County, Hydrologic Unit 11020010, on left bank of flip bucket outlet 500 ft downstream from base of Trinidad Dam, 0.8 mi upstream from Santa Fe Railroad bridge, and 3.0 mi southwest of courthouse in Trinidad.

DRAINAGE AREA.--672 mi².

PERIOD OF RECORD.--December 1976 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07124410

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Datum of gage is 6,073.64 ft above NGVD of 1929 (levels by U.S. Army, Corps of Engineers). Supplementary water-stage recorder about 1,000 ft downstream at same datum, for use when flows exceed approximately 1,500 ft³/s.

REMARKS.--Records good except for Aug. 6-14 and those below 0.5 ft³/s, which are fair, and estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation and municipal use, ground-water withdrawals, and return flows from irrigated areas. Flow completely regulated by Trinidad Lake (station 07124400) immediately upstream since Aug. 19, 1977.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	0.33	4.8	0.03	e0.01	5.6	0.18	269	246	258	175	73
2	50	0.33	5.8	0.02	e0.01	6.0	0.11	270	237	200	160	100
3	38	0.33	5.1	0.03	e0.01	5.5	0.11	381	236	159	130	89
4	31	0.25	4.0	0.03	e0.01	4.8	0.11	468	236	156	89	75
5	10	0.09	5.0	0.03	e0.01	6.0	0.11	700	236	157	72	75
6	0.99	0.08	4.7	0.03	e0.01	6.8	0.11	606	236	172	692	74
7	0.83	0.08	4.0	0.03	e0.01	6.0	0.11	408	233	177	1,030	73
8	0.77	0.07	3.1	0.03	e0.01	4.9	0.13	398	232	152	1,150	72
9	0.72	0.06	2.4	0.03	e0.01	4.8	0.11	395	231	140	977	72
10	0.68	0.05	4.9	0.03	e0.01	6.1	0.11	360	249	142	626	89
11	0.72	0.01	6.2	0.03	e0.01	6.9	0.11	342	275	142	184	99
12	0.68	0.01	5.3	0.03	e0.01	5.7	0.15	345	272	226	762	99
13	0.65	0.01	5.3	0.03	e0.01	4.6	0.13	378	273	265	1,020	97
14	0.55	2.4	5.1	0.03	e0.01	3.4	0.11	375	272	261	498	96
15	0.44	2.6	4.6	0.03	e0.01	6.0	0.11	289	272	257	210	96
16	0.44	1.9	3.9	0.03	e0.01	6.8	0.11	228	272	257	78	96
17	0.44	4.9	3.2	0.03	e0.01	5.7	0.10	224	274	251	64	95
18	0.44	4.5	3.2	e0.03	e0.01	4.7	0.07	231	274	272	124	93
19	0.44	4.6	5.3	e0.03	e0.01	5.7	0.08	231	288	220	210	93
20	0.44	3.9	5.9	e0.03	e0.01	5.8	0.08	221	294	187	206	92
21	2.4	6.0	5.3	e0.03	e0.01	5.1	0.06	215	295	187	177	92
22	2.8	6.1	4.6	0.80	e0.01	1.6	13	214	198	151	240	93
23	1.0	5.6	3.7	0.09	e0.01	0.09	9.0	213	133	132	268	93
24	0.44	4.2	5.5	e0.03	0.12	0.80	0.14	233	127	132	268	93
25	0.44	5.5	6.5	e0.02	4.6	3.9	0.11	247	100	163	234	88
26	0.40	4.8	6.4	e0.01	8.0	4.0	0.11	246	85	379	134	85
27	0.36	4.1	5.7	e0.01	6.3	2.9	0.11	248	85	482	110	86
28	0.34	3.8	5.5	e0.01	4.9	2.5	91	252	197	322	110	86
29	0.34	3.3	4.1	e0.01	4.9	0.92	269	254	256	234	110	85
30	0.36	2.5	4.2	e0.01	---	0.20	270	254	256	344	89	92
31	0.38	---	1.9	e0.01	---	0.18	---	254	---	251	73	---
TOTAL	198.49	72.40	145.2	1.62	29.05	133.99	654.77	9,749	6,870	6,828	10,270	2,641
MEAN	6.40	2.41	4.68	0.05	1.00	4.32	21.8	314	229	220	331	88.0
MAX	51	6.1	6.5	0.80	8.0	6.9	270	700	295	482	1,150	100
MIN	0.34	0.01	1.9	0.01	0.01	0.09	0.06	213	85	132	64	72
AC-FT	394	144	288	3.2	58	266	1,300	19,340	13,630	13,540	20,370	5,240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	22.0	5.18	2.43	2.47	2.93	2.94	29.7	166	200	170	150	111
MAX	96.0	25.9	11.9	14.7	13.1	17.8	106	375	614	306	331	283
(WY)	(1984)	(1984)	(1979)	(1977)	(1977)	(1977)	(2000)	(1994)	(1983)	(1983)	(2004)	(1984)
MIN	0.35	0.01	0.00	0.01	0.05	0.01	0.07	25.5	33.8	17.0	8.81	5.15
(WY)	(1989)	(1982)	(1995)	(1985)	(2001)	(1982)	(1984)	(1980)	(2002)	(2002)	(2002)	(1987)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1977 - 2004

ANNUAL TOTAL	17,475.60	37,593.52	
ANNUAL MEAN	47.9	103	74.2
HIGHEST ANNUAL MEAN			146
LOWEST ANNUAL MEAN			12.6
HIGHEST DAILY MEAN	421	Sep 5	1,150
LOWEST DAILY MEAN	0.01	Nov 11	0.01
ANNUAL SEVEN-DAY MINIMUM	0.04	Nov 7	0.01
MAXIMUM PEAK FLOW			b1,260
MAXIMUM PEAK STAGE			8.01
ANNUAL RUNOFF (AC-FT)	34,660	74,570	53,750
10 PERCENT EXCEEDS	146	272	240
50 PERCENT EXCEEDS	5.7	5.7	8.5
90 PERCENT EXCEEDS	0.46	0.03	0.04

e Estimated.

a No flow on many days during many years.

b From rating curve extended above 1,160 ft³/s.

07126140 VAN BREMER ARROYO NEAR TYRONE, CO

LOCATION.--Lat 37°23'58", long 104°06'55", in SW¹/₄SW¹/₄, sec.27, T.30 S., R.60 W., Las Animas County, Hydrologic Unit 11020010, on Pinon Canyon Maneuver Site, on left bank 200 ft downstream from military road at gas line crossing near Brown Sheep Camp, 6 mi southeast of Tyrone, and 11 mi upstream from mouth.

DRAINAGE AREA.--132 mi², of which 11.8 mi² is noncontributing.

PERIOD OF RECORD.--May 1985 to September 1998, October 1998 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07126140

REVISED RECORDS.--WDR CO-01-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, crest-stage gages, and V-notch sharp-crested weir. Elevation of gage is 5,310 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good except for Apr. 23, 25, and July 22, 28, which are poor. Natural flow of stream affected by storage reservoirs, erosion-control and livestock-watering reservoirs, diversions for irrigation, ground-water withdrawals, and return flows from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 511 ft³/s, Aug. 23, 1986, from flow through culvert computation, gage height, 10.02 ft; maximum gage height, 11.64 ft, Aug. 3, 1998; no flow on many days during most years (some estimated).

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 138 ft³/s, July 22, gage height, 7.82 ft; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	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
11	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
19	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
21	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	---	---	---	---	---	0.00	0.00	0.00	16	0.00	0.00
23	0.00	---	---	---	---	---	0.07	0.00	0.00	13	0.00	0.00
24	0.00	---	---	---	---	---	0.54	0.00	0.00	2.5	0.00	0.00
25	0.00	---	---	---	---	---	0.16	0.00	0.00	2.2	0.00	0.00
26	0.00	---	---	---	---	---	0.00	0.00	0.00	1.2	0.00	0.00
27	0.00	---	---	---	---	---	0.00	0.00	0.00	0.40	0.00	0.00
28	0.00	---	---	---	---	---	0.00	0.00	0.00	0.06	0.00	0.00
29	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
31	0.00	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0.00	---	---	---	---	---	0.77	0.00	0.00	35.36	0.00	0.00
MEAN	0.00	---	---	---	---	---	0.03	0.00	0.00	1.14	0.00	0.00
MAX	0.00	---	---	---	---	---	0.54	0.00	0.00	16	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	1.5	0.00	0.00	70	0.00	0.00

07126200 VAN BREMER ARROYO NEAR MODEL, CO

LOCATION.--Lat 37°20'44", long 103°57'27", in SE¹/₄NE¹/₄ sec.13, T.31 S., R.59 W., Las Animas County, Hydrologic Unit 11020010, on right bank 3 mi upstream from mouth, 16 mi east of Model, and 33 mi northeast of Trinidad.

DRAINAGE AREA.--175 mi², of which 11.8 mi² is noncontributing.

PERIOD OF RECORD.--July 1966 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07126200

REVISIONS.--WDR CO-84-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gages. Elevation of gage is 4,960 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records poor. Natural flow of stream affected by erosion-control and livestock-watering reservoirs, diversions for irrigation, ground-water withdrawals, and return flows from irrigated areas.

**DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.09	0.10	0.17	0.22	0.23	0.17	0.13	0.64	0.13	0.12	0.11	0.10
2	0.08	0.10	0.17	0.24	0.20	0.17	0.14	0.57	0.13	0.12	0.07	0.09
3	0.08	0.11	0.17	0.23	0.19	0.18	0.20	0.52	0.14	0.09	0.07	0.09
4	0.09	0.12	0.17	0.21	0.21	0.21	0.22	0.46	0.15	0.07	0.08	0.08
5	0.09	0.12	0.17	0.20	0.20	0.25	0.17	0.36	0.13	0.07	0.08	0.08
6	0.09	0.12	0.17	0.17	0.19	0.20	0.16	0.33	0.11	0.07	0.08	0.07
7	0.09	0.12	0.20	0.17	0.19	0.17	0.17	0.29	0.10	0.07	0.07	0.06
8	0.08	0.12	0.20	0.19	0.19	0.17	0.24	0.21	0.09	0.07	0.08	0.06
9	0.08	0.12	0.20	0.19	0.18	0.17	0.30	0.19	0.11	0.08	0.07	0.05
10	0.08	0.13	0.18	0.19	0.18	0.17	0.50	0.18	0.09	0.06	0.08	0.05
11	0.07	0.14	0.16	0.18	0.16	0.16	0.41	0.18	0.08	0.05	0.11	0.05
12	0.06	0.13	0.17	0.19	0.16	0.14	0.35	0.17	0.07	0.03	0.11	0.06
13	0.07	0.14	0.16	0.19	0.15	0.13	0.27	0.17	0.07	0.02	0.09	0.06
14	0.07	0.14	0.17	0.19	0.16	0.12	0.22	0.20	0.08	0.02	0.09	0.05
15	0.08	0.14	0.20	0.20	0.18	0.12	0.20	0.27	0.08	0.02	0.08	0.04
16	0.07	0.15	0.19	0.20	0.17	0.11	0.19	0.25	0.09	0.03	0.07	0.04
17	0.08	0.15	0.17	0.19	0.16	0.11	0.15	0.23	0.10	0.13	0.07	0.04
18	0.08	0.14	0.18	0.18	0.18	0.12	0.14	0.20	0.11	0.13	0.06	0.04
19	0.08	0.14	0.17	0.16	0.23	0.12	0.15	0.18	0.18	0.08	0.20	0.04
20	0.08	0.16	0.18	0.17	0.36	0.12	0.15	0.18	0.15	0.07	0.12	0.06
21	0.07	0.16	0.20	0.17	0.26	0.12	0.14	0.17	0.14	0.06	0.12	0.05
22	0.06	0.17	0.21	0.16	0.24	0.12	0.25	0.15	0.19	69	0.11	0.18
23	0.06	0.17	0.19	0.19	0.20	0.14	3.2	0.14	0.16	92	0.09	0.12
24	0.06	0.16	0.18	0.20	0.21	0.15	2.2	0.14	0.12	7.9	0.08	0.09
25	0.06	0.17	0.18	0.20	0.20	0.15	0.92	0.16	0.14	2.3	0.07	0.07
26	0.06	0.16	0.19	0.21	0.20	0.15	0.56	0.16	0.18	0.87	0.06	0.06
27	0.07	0.17	0.19	0.18	0.20	0.14	0.48	0.16	0.15	0.46	0.08	0.06
28	0.09	0.16	0.16	0.18	0.20	0.17	0.40	0.15	0.14	0.38	0.13	0.05
29	0.10	0.17	0.18	0.20	0.18	0.16	0.41	0.13	0.14	0.25	0.11	0.05
30	0.10	0.18	0.18	0.22	---	0.14	0.70	0.13	0.12	0.18	0.11	0.05
31	0.09	---	0.21	0.22	---	0.14	---	0.13	---	0.14	0.12	---
TOTAL	2.41	4.26	5.62	5.99	5.76	4.69	13.72	7.40	3.67	174.94	2.87	1.99
MEAN	0.08	0.14	0.18	0.19	0.20	0.15	0.46	0.24	0.12	5.64	0.09	0.07
MAX	0.10	0.18	0.21	0.24	0.36	0.25	3.2	0.64	0.19	92	0.20	0.18
MIN	0.06	0.10	0.16	0.16	0.15	0.11	0.13	0.13	0.07	0.02	0.06	0.04
AC-FT	4.8	8.4	11	12	11	9.3	27	15	7.3	347	5.7	3.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	1.21	0.20	0.17	0.18	0.20	0.18	0.19	2.59	1.84	3.90	7.58	1.71
MAX	16.0	0.74	0.32	0.43	0.59	0.40	0.73	30.1	20.6	36.4	104	9.89
(WY)	(1986)	(1998)	(1998)	(1973)	(1987)	(1973)	(1973)	(1981)	(1969)	(1977)	(1981)	(1972)
MIN	0.06	0.07	0.03	0.06	0.11	0.07	0.07	0.07	0.03	0.04	0.06	0.04
(WY)	(1992)	(1984)	(1984)	(1984)	(1992)	(1979)	(2002)	(2003)	(1968)	(1978)	(2002)	(1991)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	222.54		233.32			
ANNUAL MEAN	0.61		0.64		1.67	
HIGHEST ANNUAL MEAN					12.3	1981
LOWEST ANNUAL MEAN					0.10	2002
HIGHEST DAILY MEAN	65	Jun 18	92	Jul 23	802	May 30, 1981
LOWEST DAILY MEAN	0.05	May 8	0.02	Jul 13	a0.00	Jun 7, 1968
ANNUAL SEVEN-DAY MINIMUM	0.05	Jul 8	0.03	Jul 10	0.00	Jun 7, 1968
MAXIMUM PEAK FLOW			b1,300	Jul 22	c6,240	May 26, 1967
MAXIMUM PEAK STAGE			5.76	Jul 22	d9.40	May 26, 1967
ANNUAL RUNOFF (AC-FT)	441		463		1,210	
10 PERCENT EXCEEDS	0.20		0.24		0.38	
50 PERCENT EXCEEDS	0.14		0.15		0.15	
90 PERCENT EXCEEDS	0.06		0.07		0.07	

a Also occurred Jun 8-13, 1968.

b From rating curve extended above 134 ft³/s on basis of slope-area measurements of peak flow at gage heights 5.48 ft and 9.98 ft.

c From slope-area measurement of peak flow.

d From floodmarks. Maximum gage height, 9.98 ft, Aug 9, 1979, from floodmark.

07126300 PURGATOIRE RIVER NEAR THATCHER, CO

LOCATION.--Lat 37°21'23", long 103°53'59", in NW¹/₄SW¹/₄ 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.--1,791 mi², of which 11.8 mi² is noncontributing.

PERIOD OF RECORD.--July 1966 to current year. Statistical summary computed for 1976 to current year, subsequent to completion of Trinidad Reservoir. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07126300

REVISED RECORDS.--WDR CO-01-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gages. Elevation of gage is 4,790 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants. Peak flows regulated to some extent by Trinidad Lake (station 07124400) 52 mi upstream since January 1975.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of July 22, 1954 and May 19, 1955, reached stages of 26.7 and 25.2 ft, respectively, from floodmarks, discharges unknown. Flood of June 18, 1965, reached a stage of 23.5 ft, from floodmarks, discharge, 47,700 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	5.6	e10	e13	e12	12	2.1	624	4.5	110	146	22
2	3.1	5.9	e10	e12	e13	11	2.1	599	6.4	84	52	16
3	6.6	6.3	e10	e11	e13	11	2.7	462	11	64	41	14
4	9.7	6.4	10	e10	e12	12	3.0	529	13	35	48	13
5	11	6.5	10	e10	e12	13	10	596	8.0	26	28	14
6	7.9	7.7	10	9.4	e12	13	11	647	11	18	108	16
7	11	7.0	10	e10	e12	13	7.8	748	12	22	566	21
8	10	8.1	11	e10	e12	12	5.9	480	11	18	601	17
9	8.9	8.0	e11	e10	e12	11	6.6	409	11	40	737	14
10	7.8	7.9	e11	10	e11	11	8.2	339	9.7	26	777	11
11	7.1	7.8	10	e10	e11	11	33	234	11	50	450	9.7
12	6.2	7.9	e10	e10	e11	10	38	197	13	48	392	8.7
13	5.1	8.2	e11	e11	10	10	29	194	17	35	580	11
14	6.4	7.8	11	e11	10	9.8	20	229	34	18	1,010	10
15	4.9	8.1	e11	e12	e12	9.6	21	215	35	10	447	13
16	2.5	8.5	11	e11	e13	9.3	26	132	32	84	166	12
17	1.5	8.3	9.5	e11	e14	9.0	21	74	34	507	73	12
18	1.2	8.9	10	12	15	8.9	16	52	42	300	58	12
19	1.5	8.1	e10	11	14	8.6	12	35	53	68	96	8.5
20	1.4	8.0	e10	11	18	8.4	11	26	48	49	167	4.9
21	1.4	8.3	e10	12	18	7.8	8.4	23	41	37	123	5.3
22	1.4	9.2	e10	11	17	7.5	7.0	25	91	28	75	15
23	1.7	e9.4	e10	9.3	16	7.4	49	19	82	144	73	18
24	1.6	9.7	11	10	15	7.2	93	16	72	419	102	18
25	1.5	9.6	11	e10	14	6.5	268	19	63	217	128	18
26	1.6	e9.6	e11	e9.5	14	4.6	314	21	101	91	126	18
27	1.6	e9.9	e12	8.9	13	3.5	646	18	58	184	76	18
28	2.1	10	e11	9.7	12	3.4	809	12	275	322	46	18
29	4.1	9.7	e10	11	11	2.9	512	9.2	157	199	40	18
30	4.9	e9.8	e11	11	---	2.4	522	7.7	423	90	35	21
31	5.3	---	e12	e11	---	2.2	---	5.5	---	156	28	---
TOTAL	146.2	246.2	325.5	328.8	379	269.0	3,514.8	6,996.4	1,779.6	3,499	7,395	427.1
MEAN	4.72	8.21	10.5	10.6	13.1	8.68	117	226	59.3	113	239	14.2
MAX	11	10	12	13	18	13	809	748	423	507	1,010	22
MIN	1.2	5.6	9.5	8.9	10	2.2	2.1	5.5	4.5	10	28	4.9
AC-FT	290	488	646	652	752	534	6,970	13,880	3,530	6,940	14,670	847

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	31.9	30.5	27.4	26.8	28.6	35.8	84.6	129	88.9	83.0	133	56.7
MAX	84.0	66.4	44.3	43.2	53.3	143	467	592	764	547	910	302
(WY)	(1986)	(1999)	(1987)	(1988)	(1987)	(1998)	(1983)	(1987)	(1983)	(1981)	(1981)	(1981)
MIN	0.46	3.71	7.09	8.85	9.39	5.97	1.38	1.45	6.69	5.65	0.01	0.64
(WY)	(2003)	(1979)	(2003)	(2003)	(2003)	(1977)	(1978)	(2002)	(1976)	(2003)	(2002)	(1978)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	7,684.67		25,306.6			
ANNUAL MEAN	21.1		69.1		a63.2	
HIGHEST ANNUAL MEAN					181	
LOWEST ANNUAL MEAN					12.3	
HIGHEST DAILY MEAN	313	Apr 23	1,010	Aug 14	10,000	Jul 3, 1981
LOWEST DAILY MEAN	0.00	Jul 10	1.2	Oct 18	b0.00	Jun 28, 1976
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 10	1.4	Oct 17	0.00	Jun 28, 1976
MAXIMUM PEAK FLOW			c2,980	Jun 30	d42,400	Jul 3, 1981
MAXIMUM PEAK STAGE			8.20	Jun 30	22.00	Jul 3, 1981
ANNUAL RUNOFF (AC-FT)	15,240		50,200		45,810	
10 PERCENT EXCEEDS	45		198		105	
50 PERCENT EXCEEDS	9.5		12		28	
90 PERCENT EXCEEDS	1.3		5.9		5.3	

e Estimated.

a Average discharge for 10 years (water years 1967-76), 37.9 ft³/s, 27,460 acre-ft/yr, prior to completion of Trinidad Dam.

b No flow at times during many years.

c From rating curve extended above 2,020 ft³/s on basis of slope-area measurement of peak flow at gage height 12.25 ft.

d From rating curve extended above 2,020 ft³/s on basis of slope-area measurements of peak flow at gage heights 12.25 ft and 23.50 ft.

07126325 TAYLOR ARROYO BELOW ROCK CROSSING NEAR THATCHER, CO

LOCATION.--Lat 37°25'27", long 103°55'11", in SE¹/₄SE¹/₄ sec.17, T.30 S., R.58 W., Las Animas County, Hydrologic Unit 11020010, on Pinon Canyon Maneuver Site, on left bank 2.0 mi downstream from Rock Crossing, 5 mi upstream from mouth, and 13.5 mi southeast of Thatcher.

DRAINAGE AREA.--48.4 mi².

PERIOD OF RECORD.--March 1983 to September 1998, October 1998 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07126325

GAGE.--Water-stage recorder with satellite telemetry, concrete control, and crest-stage gages. Elevation of gage is 4,982 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good except for June 25-26 and July 22, which are poor. Natural flow of stream affected by erosion-control and livestock-watering reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,090 ft³/s, Sept. 30, 1998, gage height, 13.71 ft, from slope-area measurement of peak flow; no flow on most days.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 679 ft³/s, July 22, gage height, 7.73 ft; no flow on most days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	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
11	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	---	---	---	---	---	0.00	0.00	13	0.00	0.00	0.00
19	0.00	---	---	---	---	---	0.00	0.00	88	0.00	0.00	0.00
20	0.00	---	---	---	---	---	0.00	0.00	0.75	0.00	0.00	0.00
21	0.00	---	---	---	---	---	0.00	0.00	0.09	0.00	0.00	0.00
22	0.00	---	---	---	---	---	0.00	0.00	2.0	90	0.00	0.00
23	0.00	---	---	---	---	---	0.47	0.00	0.19	22	0.00	0.00
24	0.00	---	---	---	---	---	0.32	0.00	0.01	0.30	0.00	0.00
25	0.00	---	---	---	---	---	0.12	0.00	4.5	0.03	0.00	0.00
26	0.00	---	---	---	---	---	0.01	0.00	13	0.01	0.00	0.00
27	0.00	---	---	---	---	---	0.00	0.00	0.47	0.00	0.00	0.00
28	0.00	---	---	---	---	---	0.00	0.00	0.03	0.00	0.00	0.00
29	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
31	0.00	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0.00	---	---	---	---	---	0.92	0.00	122.04	112.34	0.00	0.00
MEAN	0.00	---	---	---	---	---	0.03	0.00	4.07	3.62	0.00	0.00
MAX	0.00	---	---	---	---	---	0.47	0.00	88	90	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	1.8	0.00	242	223	0.00	0.00

07126390 LOCKWOOD CANYON CREEK NEAR THATCHER, CO

LOCATION.--Lat 37°29'34", long 103°49'39", in SW¹/₄NE¹/₄ sec.30, T.29 S., R.57 W., Las Animas County, Hydrologic Unit 11020010, on Pinon Canyon Maneuver Site, on left bank 0.8 mi downstream from Sharp Ranch, 5.3 mi upstream from mouth, and 16 mi southeast of Thatcher.

DRAINAGE AREA.--48.8 mi² (revised).

PERIOD OF RECORD.--April 1983 to September 1992, October 1992 to May 1999 (annual maximum only), May 1999 to current year (seasonal records only). Records prior to May 14, 1999, may not be equivalent because of difference in drainage area. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07126390

REVISED RECORDS.--WDR CO-86-1: 1983-84. WDR CO-97-1: 1987(M).

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gages. Elevation of gage is 4,785 ft above NGVD of 1929, from topographic map. April 1983 to May 2, 1989, at site 0.4 mile upstream at different datum. May 3, 1989 to May 13, 1999, at site 0.2 mile upstream at different datum.

REMARKS.--No estimated daily discharges. Records poor. Natural flow of stream affected by erosion-control and livestock-watering reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,110 ft³/s, May 22, 1987, from slope-area measurement of peak flow, gage height, 10.39 ft, site and datum then in use, maximum gage height, 11.43 ft, June 25, 2004; no flow on most days.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 1,010 ft³/s, June 25, gage height, 11.43 ft. No flow on most days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	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
11	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
19	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
21	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	---	---	---	---	---	0.00	0.00	38	0.00	0.00	0.00
26	0.00	---	---	---	---	---	0.00	0.00	32	0.00	0.00	0.00
27	0.00	---	---	---	---	---	0.00	0.00	0.42	0.00	0.00	0.00
28	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	---	---	---	---	---	0.00	0.00	1.7	0.00	0.00	0.00
31	0.00	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0.00	---	---	---	---	---	0.00	0.00	72.12	0.00	0.00	0.00
MEAN	0.00	---	---	---	---	---	0.00	0.00	2.40	0.00	0.00	0.00
MAX	0.00	---	---	---	---	---	0.00	0.00	38	0.00	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	0.00	0.00	143	0.00	0.00	0.00

07126415 RED ROCK CANYON CREEK AT MOUTH NEAR THATCHER, CO

LOCATION.--Lat 37°30'55", long 103°43'30", Las Animas County, Hydrologic Unit 11020010, on left bank 200 ft downstream from Welsh Canyon Creek, 0.3 mi upstream from mouth, and 21 mi east of Thatcher.

DRAINAGE AREA.--48.9 mi².

PERIOD OF RECORD.--May 1983 to September 1990, October 1990 to April 2000 (annual maximum only), April 2000 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07126415

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gages. Elevation of gage is 4,510 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by erosion-control and livestock-watering reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,430 ft³/s, June 13, 2002, from slope-area measurement of peak flow, gage height, 11.46 ft, from floodmarks; no flow on many days, most years.

EXTREMES FOR CURRENT YEAR (seasonal only).---Maximum discharge, 170 ft³/s, June 25, gage height, 6.84 ft; no flow on most days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	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
11	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
19	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
21	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	---	---	---	---	---	2.0	0.00	0.00	0.00	0.00	0.00
24	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	---	---	---	---	---	0.00	0.00	13	0.00	0.00	0.00
26	0.00	---	---	---	---	---	0.00	0.00	13	0.00	0.00	0.00
27	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
29	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
31	0.00	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0.00	---	---	---	---	---	2.00	0.00	26.00	0.00	0.00	0.00
MEAN	0.00	---	---	---	---	---	0.07	0.00	0.87	0.00	0.00	0.00
MAX	0.00	---	---	---	---	---	2.0	0.00	13	0.00	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	4.0	0.00	52	0.00	0.00	0.00

07126480 BENT CANYON CREEK AT MOUTH NEAR TIMPAS, CO

LOCATION.--Lat 37°35'21", long 103°38'52", in SE¹/₄SE¹/₄ sec.23, T.28 S., R.65 W., Las Animas County, Hydrologic Unit 11020010, on Comanche National Grassland, on left bank 0.5 mi upstream from mouth, 0.6 mi southwest of Rourke Ranch house, 0.9 mi upstream from Iron Canyon, and 17 mi southeast of Timpas.

DRAINAGE AREA.--56.2 mi².

PERIOD OF RECORD.--May 1983 to September 1990, October 1990 to May 2000 (annual maximum only), June 2000 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07126480

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gages. Elevation of gage is 4,402 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records poor. Natural flow of stream affected by erosion-control and livestock-watering reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,640 ft³/s, Aug. 21, 1984, from slope-area measurement of peak flow, gage height, 12.56 feet, from floodmark; no flow on many days, during most years.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 391 ft³/s, June 25, gage height, 7.88 ft, from floodmarks, from rating curve extended above 0.50 ft³/s on the basis of step-backwater analysis of flow and slope-area measurements of peak flow at gage heights 4.67 ft, 8.70 ft, 8.93 ft, 11.61 ft, and 12.56 ft; no flow on most days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	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
11	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
19	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
21	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	---	---	---	---	---	0.00	0.00	26	0.00	0.00	0.00
26	0.00	---	---	---	---	---	0.00	0.00	9.9	0.00	0.00	0.00
27	0.00	---	---	---	---	---	0.00	0.00	0.02	0.00	0.00	0.00
28	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
29	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
31	0.00	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0.00	---	---	---	---	---	0.00	0.00	35.92	0.00	0.00	0.00
MEAN	0.00	---	---	---	---	---	0.00	0.00	1.20	0.00	0.00	0.00
MAX	0.00	---	---	---	---	---	0.00	0.00	26	0.00	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	0.00	0.00	71	0.00	0.00	0.00

07126485 PURGATOIRE RIVER AT ROCK CROSSING NEAR TIMPAS, CO

LOCATION.--Lat 37°37'06", long 103°35'35" in NE¹/₄SE¹/₄ sec. 10, T.28 S., R.55 W., Las Animas County, Hydrologic Unit 11020010, on right bank at Rock Crossing, 2.1 mi upstream from Minnie Canyon, 2.4 mi downstream from Beaty Canyon, and 17 mi southeast of Timpas.

DRAINAGE AREA.--2,635 mi², of which 11.8 mi² is noncontributing.

PERIOD OF RECORD.--June 1983 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07126485

REVISED RECORD.--WDR CO-87-1: 1984-86 (M). WDR CO-01-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gages. Elevation of gage is 4,350 ft above NGVD of 1929, from topographic map. June 1, 1983 to July 17, 1985, at site 500 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants. Peak flows are regulated to some extent by Trinidad Lake (station 07124400) 92 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	0.61	9.1	e12	e10	13	3.8	557	9.1	130	178	30
2	8.4	0.64	e9.5	e13	e10	12	3.5	571	6.7	99	98	25
3	5.2	1.3	e9.7	e12	e10	12	3.5	493	5.4	76	51	19
4	3.6	3.8	e10	e11	e10	12	3.3	433	4.7	60	40	16
5	2.6	4.1	e10	e11	e10	13	3.1	561	6.7	39	45	15
6	2.4	4.6	10	e10	e10	13	3.1	548	10	31	31	13
7	6.9	4.9	10	e11	e10	13	3.2	807	6.7	22	199	13
8	5.9	5.7	10	e10	e10	13	8.8	484	6.2	20	622	15
9	5.9	6.2	11	e10	e10	13	8.8	416	8.7	19	637	17
10	7.0	6.1	11	e11	e9.7	13	8.9	345	8.6	31	755	14
11	5.8	6.7	e10	e11	e9.5	12	8.1	271	8.4	27	659	12
12	5.1	6.7	e10	e11	e9.4	11	15	203	6.5	39	238	11
13	4.5	7.0	9.5	e11	e9.2	11	32	186	6.6	44	457	8.9
14	4.0	7.2	e10	e12	e9.5	11	31	194	8.4	30	1,470	8.0
15	3.7	7.0	e10	e11	e11	10	23	219	19	24	825	7.5
16	3.2	6.9	e10	12	12	10	17	185	31	32	247	8.1
17	3.1	6.8	e10	12	13	10	24	94	26	212	112	9.9
18	3.6	7.4	e10	13	14	9.9	22	70	28	533	71	9.6
19	2.7	7.4	e10	12	15	9.6	18	53	243	171	61	9.3
20	2.0	7.7	e10	11	18	9.1	15	41	74	60	101	9.2
21	1.7	7.7	e10	11	16	8.8	13	31	53	47	159	8.3
22	1.4	7.5	e10	11	17	8.7	13	26	47	39	90	7.5
23	1.1	7.9	e10	12	17	8.2	57	26	88	728	70	6.5
24	0.91	8.0	e10	11	16	7.7	72	24	75	111	75	10
25	0.78	e9.0	11	9.8	15	7.4	144	18	78	453	94	15
26	0.70	9.4	e11	e9.5	15	7.1	301	19	276	141	123	17
27	0.69	8.7	e10	e9.8	14	7.0	437	18	152	79	107	16
28	0.66	e9.2	11	e9.3	14	7.0	749	22	478	251	71	16
29	0.66	e9.4	10	e10	13	5.7	494	15	222	294	46	16
30	0.62	e9.2	e11	e10	---	4.8	519	12	429	126	40	15
31	0.61	---	e12	e11	---	4.2	---	9.7	---	81	35	---
TOTAL	101.83	194.75	315.8	341.4	357.3	307.2	3,054.1	6,951.7	2,421.7	4,049	7,807	397.8
MEAN	3.28	6.49	10.2	11.0	12.3	9.91	102	224	80.7	131	252	13.3
MAX	8.4	9.4	12	13	18	13	749	807	478	728	1,470	30
MIN	0.61	0.61	9.1	9.3	9.2	4.2	3.1	9.7	4.7	19	31	6.5
AC-FT	202	386	626	677	709	609	6,060	13,790	4,800	8,030	15,490	789

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

	38.0	36.5	31.3	29.7	32.1	42.8	86.0	126	95.2	74.0	120	45.7
MEAN	38.0	36.5	31.3	29.7	32.1	42.8	86.0	126	95.2	74.0	120	45.7
MAX	89.1	68.3	43.4	41.4	56.0	139	330	585	836	186	468	124
(WY)	(1999)	(1999)	(1998)	(1984)	(1988)	(1998)	(1993)	(1987)	(1983)	(1992)	(1999)	(2002)
MIN	1.20	2.61	6.91	10.4	10.1	9.91	8.23	1.34	7.23	1.62	24.4	12.5
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2002)	(2002)	(2001)	(2003)	(2001)	(1990)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	8,076.02		26,299.58			
ANNUAL MEAN	22.1		71.9		60.1	
HIGHEST ANNUAL MEAN					123	
LOWEST ANNUAL MEAN					21.4	
HIGHEST DAILY MEAN	465	Aug 9	1,470	Aug 14	4,190	May 2, 1999
LOWEST DAILY MEAN	0.00	Jul 22	0.61	Oct 31	a0.00	Jun 30, 1990
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 22	0.64	Oct 27	0.00	Jun 30, 1990
MAXIMUM PEAK FLOW			3,090	Aug 14	b11,400	Jul 9, 1992
MAXIMUM PEAK STAGE			12.77	Aug 14	c17.90	Jul 9, 1992
ANNUAL RUNOFF (AC-FT)	16,020		52,170		43,530	
10 PERCENT EXCEEDS	45		214		108	
50 PERCENT EXCEEDS	9.7		11		32	
90 PERCENT EXCEEDS	0.62		4.7		8.8	

e Estimated.

a Also occurred many days during water years 1990, 2002-2003.

b From slope-area measurement of peak flow.

c From floodmarks.

07128500 PURGATOIRE RIVER NEAR LAS ANIMAS, CO

LOCATION.--Lat 38°02'02", long 103°12'00", in NE¹/₄SW¹/₄ sec.23, T.23 S., R.52 W., Bent County, Hydrologic Unit 11020010, on left bank at downstream side of bridge on State Highway 101, 2.3 mi southeast of courthouse in Las Animas, and 4.5 mi upstream from mouth.

DRAINAGE AREA.--3,318 mi², of which 11.8 mi² is noncontributing.

PERIOD OF RECORD.--May to September 1889, July to October 1909 (gage heights and discharge measurements only), January 1922 to September 1931, July 1948 to current year. Monthly discharge only for some periods, published in WSP 1311. Published as Purgatoire Creek at Las Animas in 1889 and as Purgatory River near Las Animas in 1909. Statistical summary computed for 1978 to current year, subsequent to completion of Trinidad Reservoir. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07128500

REVISED RECORDS.--WSP 1241: 1927(M); WDR CO-01-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 3,878.04 ft above NGVD of 1929. See WSP 1731 for history of changes prior to Oct. 1, 1955. Oct. 1, 1955 to July 11, 1966, at datum 6.00 ft higher. Supplementary water-stage recorder at site 1.6 mi downstream at different datum July 12 to Nov. 17, 1966. Nov. 18, 1966 to May 4, 1982, at datum 3.1 ft higher. May 5, 1982 to July 17, 2002, at site on right bank at same datum.

REMARKS.--Records good except for estimated daily discharges and those above 1,000 cfs, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants. Flows regulated to some extent by Trinidad Lake (station 07124400) about 141 mi upstream since January 1975.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 1, 1904, is the greatest since at least 1860, discharge unknown.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.68	e0.70	e0.83	e2.9	e3.8	e4.0	e2.0	490	13	339	89	50
2	e0.68	e0.72	e0.83	e3.0	e3.8	e4.0	e2.0	555	9.9	134	143	48
3	e0.70	e0.77	e0.83	e3.0	e3.8	e4.0	e1.5	557	7.8	97	107	40
4	e0.79	e0.81	e0.83	e3.1	e3.8	e4.0	e1.5	458	6.5	80	70	35
5	e0.83	e0.83	e0.93	e3.3	e3.8	e4.0	e1.5	455	4.5	70	286	31
6	e0.83	e0.83	e1.0	e3.5	e3.8	e4.0	e1.5	551	2.5	54	50	26
7	e0.83	e0.83	e1.0	e3.6	e3.8	e4.0	e1.4	546	2.4	39	46	22
8	e0.83	e0.83	e1.0	e3.4	e3.8	e4.1	e1.4	758	2.3	31	180	20
9	e0.83	e0.83	e1.1	e3.4	e3.8	e4.1	1.7	458	1.9	25	477	17
10	e0.83	e0.83	e1.1	e3.4	e3.8	e4.8	2.5	393	1.3	21	582	17
11	e0.83	e0.83	e1.1	e3.5	e3.8	e5.9	3.6	329	1.0	20	685	14
12	e0.83	e0.83	e1.2	e3.6	e3.8	e7.0	3.0	250	1.6	23	528	14
13	e0.83	e0.73	e1.6	e3.6	e3.8	e8.3	2.6	190	1.4	21	213	12
14	e0.83	e0.68	e1.4	e3.6	e3.8	e9.6	2.8	174	1.1	28	542	11
15	e0.83	e0.68	e1.6	e3.6	e3.8	e11	7.6	175	1.1	24	1,480	8.9
16	e0.78	e0.68	e1.6	e3.6	e3.8	e10	14	202	1.1	21	674	6.3
17	e0.75	e0.68	e1.6	e3.6	e3.8	e12	10	176	11	22	262	6.0
18	e0.73	e0.68	e1.7	e3.6	e3.8	e10	17	116	31	299	144	6.9
19	e0.71	e0.68	e1.7	e3.6	e3.8	e8.0	33	83	14	407	1,750	6.6
20	e0.68	e0.68	e1.9	e3.6	e3.8	e6.0	13	64	141	160	204	6.0
21	e0.68	e0.68	e1.9	e3.6	e3.8	e4.0	11	51	100	72	145	4.8
22	e0.68	e0.68	e1.8	e3.6	e4.0	e3.0	13	39	55	43	182	4.3
23	e0.68	e0.68	e1.9	e3.6	e3.9	e2.5	22	31	58	129	131	3.5
24	e0.68	e0.78	e2.4	e3.6	e4.0	e2.0	42	27	47	542	101	2.8
25	e0.68	e0.68	e2.5	e3.6	e3.8	e2.0	52	25	63	157	91	2.6
26	e0.68	e0.68	e2.6	e3.6	e3.9	e2.0	112	23	284	340	104	2.4
27	e0.68	e0.73	e2.6	e3.6	e4.1	e2.0	254	22	225	142	121	2.3
28	e0.59	e0.75	e2.6	e3.6	e4.0	e2.0	429	18	136	97	112	2.2
29	e0.63	e0.76	e2.9	e3.6	e4.0	e2.0	685	18	447	499	89	2.8
30	e0.63	e0.83	e2.9	e3.6	---	e2.0	459	19	194	289	67	12
31	e0.66	---	e2.9	e3.8	---	e2.0	---	17	---	136	56	---
TOTAL	22.90	22.38	51.85	108.3	111.5	154.3	2,202.6	7,270	1,865.4	4,361	9,711	437.4
MEAN	0.74	0.75	1.67	3.49	3.84	4.98	73.4	235	62.2	141	313	14.6
MAX	0.83	0.83	2.9	3.8	4.1	12	685	758	447	542	1,750	50
MIN	0.59	0.68	0.83	2.9	3.8	2.0	1.4	17	1.0	20	46	2.2
AC-FT	45	44	103	215	221	306	4,370	14,420	3,700	8,650	19,260	868

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

MEAN	35.1	35.5	28.3	30.4	30.5	41.0	79.9	132	96.5	72.1	130	46.7
MAX	125	88.4	57.5	57.4	61.9	169	418	614	724	263	761	224
(WY)	(1999)	(1999)	(1998)	(1998)	(1998)	(1998)	(1983)	(1987)	(1983)	(1981)	(1981)	(1981)
MIN	0.74	0.75	1.67	3.49	3.84	4.98	3.53	2.15	8.76	2.71	3.76	3.14
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(1978)	(2002)	(1990)	(2003)	(1980)	(1978)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1978 - 2004
ANNUAL TOTAL	6,294.82	26,318.63	
ANNUAL MEAN	17.2	71.9	a63.4
HIGHEST ANNUAL MEAN			166
LOWEST ANNUAL MEAN			17.5
HIGHEST DAILY MEAN	503	1,750	b3,890
LOWEST DAILY MEAN	0.14	e0.59	c0.14
ANNUAL SEVEN-DAY MINIMUM	0.16	e0.65	c0.16
MAXIMUM PEAK FLOW		3,440	d6,680
MAXIMUM PEAK STAGE		10.52	f10.09
ANNUAL RUNOFF (AC-FT)	12,490	52,200	45,940
10 PERCENT EXCEEDS	49	217	119
50 PERCENT EXCEEDS	3.5	3.8	28
90 PERCENT EXCEEDS	0.49	0.77	3.6

e Estimated.

a Average discharge for 37 years (water years 1923-31, 1949-76), 116 ft³/s; 84,040 acre-ft/yr, prior to completion of Trinidad Reservoir.

b Maximum daily discharge for period of record, 46,300 ft³/s, May 20, 1955.

c No flow at times in 1924-25, 1927, 1949, and 1974.

d From rating curve extended above 4,460 ft³/s; maximum discharge for period of record, 70,000 ft³/s, May 20, 1955, from rating curve extended above 38,000 ft³/s, gage height, 15.00 ft, datum then in use.

f Maximum gage height for statistical period, 12.00 ft, May 3, 1999; maximum gage height for period of record, 15.94 ft, Jun 18, 1965, datum then in use.

07130500 ARKANSAS RIVER BELOW JOHN MARTIN RESERVOIR, CO

LOCATION.--Lat 38°03'59", long 102°55'55", in NW¹/₄NE¹/₄ sec.8, T.23 S., R.49 W., Bent County, Hydrologic Unit 11020009, on right bank 0.2 mi downstream from John Martin Dam, 2.6 mi upstream from Caddoa Creek, and 3.5 mi southeast of Hasty.

DRAINAGE AREA.--18,915 mi², of which 785 mi² is probably noncontributing.

PERIOD OF RECORD.--April 1938 to current year. Published as "at Caddoa" prior to October 1947. Statistical summary computed for 1949 to current year, subsequent to completion of John Martin Reservoir. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07130500

REVISED RECORDS.--WSP 1241: 1942(M). WSP 1341: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, concrete control, and crest-stage gage. Datum of gage is 3,737.40 ft above NGVD of 1929. Prior to Feb. 22, 1940, at site 3 mi upstream at datum 22.83 ft higher. Feb. 22, 1940 to Feb. 4, 1943, at site 700 ft upstream at datum 3.64 ft higher. Feb. 5, 1943 to Apr. 8, 1975, at site 1.5 mi downstream at datum approximately 27.5 ft lower.

REMARKS.--No estimated daily discharges. Records good except for those below 3 ft³/s, which are fair. Natural flow of stream affected by storage reservoirs, power developments, transbasin and transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants. Flow completely regulated by John Martin Reservoir (station 07130000) 0.2 mi upstream since Oct. 1948.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	1.5	0.78	0.66	0.83	0.84	643	522	530	547	601	344
2	13	1.2	0.78	0.73	0.75	0.88	662	522	539	489	483	261
3	11	1.3	0.75	0.61	0.78	0.88	672	558	479	439	400	173
4	16	1.3	0.68	0.68	0.80	1.00	813	631	416	439	342	104
5	15	1.2	0.72	0.91	0.76	0.96	975	663	407	383	430	103
6	16	1.2	0.73	1.1	0.80	0.96	978	660	406	312	578	104
7	26	1.2	0.78	1.1	0.85	0.99	905	653	402	293	621	71
8	35	1.0	0.80	1.0	0.87	0.98	792	653	397	295	562	33
9	42	1.0	0.75	0.99	0.85	0.97	741	658	433	255	525	31
10	48	0.95	0.75	1.0	0.87	0.95	739	616	459	225	527	25
11	47	0.88	0.67	1.0	0.79	0.99	653	564	468	225	568	23
12	47	0.82	0.58	0.98	0.85	1.0	190	534	472	223	600	23
13	47	0.96	0.67	1.0	0.89	1.0	313	519	470	165	455	48
14	42	0.99	0.77	1.0	0.94	0.92	291	518	471	116	470	85
15	36	0.95	0.75	1.1	0.91	0.97	260	518	469	111	421	85
16	32	0.93	0.67	1.1	0.90	0.98	183	519	469	104	330	85
17	28	0.90	0.71	0.99	0.99	1.0	113	520	471	103	308	85
18	29	0.86	0.66	0.89	1.1	1.0	112	519	472	103	228	70
19	29	0.77	0.49	0.89	1.1	1.0	112	572	471	551	87	58
20	28	0.81	0.61	0.95	0.99	0.99	112	615	472	597	158	58
21	28	0.79	0.67	0.96	0.97	1.0	113	574	583	357	294	63
22	29	0.84	0.62	0.91	1.00	1.1	89	538	601	349	311	79
23	29	0.77	0.61	0.96	0.91	1.1	116	535	531	417	379	78
24	29	0.77	0.64	1.0	0.87	1.1	339	530	493	440	440	46
25	28	0.78	0.68	1.1	0.87	1.1	467	520	383	408	452	23
26	28	0.77	0.64	0.95	0.86	279	469	515	299	500	452	23
27	28	0.75	0.69	17	0.91	587	458	524	397	497	455	16
28	28	0.73	0.60	19	0.83	584	669	531	482	401	458	9.8
29	28	0.78	0.60	0.82	0.87	615	827	529	633	495	458	7.2
30	25	0.83	0.65	0.85	---	635	669	529	658	582	459	11
31	15	---	0.59	0.78	---	637	---	530	---	602	458	---
TOTAL	903	28.53	21.09	63.01	25.71	3,361.66	14,475	17,389	14,233	11,023	13,310	2,225.0
MEAN	29.1	0.95	0.68	2.03	0.89	108	482	561	474	356	429	74.2
MAX	48	1.5	0.80	19	1.1	637	978	663	658	602	621	344
MIN	11	0.73	0.49	0.61	0.75	0.84	89	515	299	103	87	7.2
AC-FT	1,790	57	42	125	51	6,670	28,710	34,490	28,230	21,860	26,400	4,410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2004, BY WATER YEAR (WY)

MEAN	194	25.2	16.4	19.1	22.5	54.0	420	478	594	689	555	316
MAX	565	217	317	725	477	498	1,174	2,576	2,665	2,895	2,127	1,007
(WY)	(1949)	(1966)	(1998)	(1998)	(1966)	(1998)	(1987)	(1987)	(1987)	(1995)	(1965)	(1984)
MIN	11.4	0.85	0.64	0.62	0.75	1.06	2.43	34.2	52.0	86.1	22.6	6.69
(WY)	(1975)	(1977)	(1977)	(1977)	(1977)	(1980)	(1973)	(1975)	(1954)	(1963)	(1960)	(1974)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1949 - 2004

ANNUAL TOTAL	37,002.32			77,058.00			a283		
ANNUAL MEAN	101			211			745		
HIGHEST ANNUAL MEAN							1987		
LOWEST ANNUAL MEAN							82.5		
HIGHEST DAILY MEAN	910	Jun 19		978	Apr 6		3,830	Aug 25, 1965	
LOWEST DAILY MEAN	0.49	Dec 19		0.49	Dec 19		b0.36	Dec 25, 1979	
ANNUAL SEVEN-DAY MINIMUM	0.61	Dec 18		0.61	Dec 18		c0.36	Dec 25, 1979	
MAXIMUM PEAK FLOW				1,060	Apr 5		c4,100	Aug 25, 1965	
MAXIMUM PEAK STAGE				3.63	Apr 5		d5.75	Aug 25, 1965	
ANNUAL RUNOFF (AC-FT)	73,390			152,800			205,200		
10 PERCENT EXCEEDS	408			582			860		
50 PERCENT EXCEEDS	25			42			57		
90 PERCENT EXCEEDS	0.78			0.77			1.9		

a Average discharge for 5 years (water years 1939-43), 628 ft³/s; 455,000 acre-ft/yr, prior to start of storage in John Martin Reservoir.

b Also occurred Dec 26, 1979 to Jan 3, 1980; no flow on many days during 1945-47. Minimum daily discharge prior to start of storage in John Martin Reservoir, 5 ft³/s, Jul 16, 1939.

c Maximum discharge for period of record, 40,000 ft³/s, Apr 24, 1942, from rating curve extended above 12,000 ft³/s on basis of flow-over-dam and critical-depth measurement of peak flow, gage height, 10.46 ft, site and datum then in use.

d Maximum gage height for period of record, 10.62 ft, Jun 18, 1965 (backwater from Caddoa Creek), site and datum then in use.

07133000 ARKANSAS RIVER AT LAMAR, CO

LOCATION.--Lat 38°06'21", long 102°37'05", in NE¼SE¼ sec.30, T.22 S., R.46 W., Prowers County, Hydrologic Unit 11020009, on left bank at left downstream end of downstream bridge on U.S. Highways 50 and 287, and 1.3 mi north of courthouse in Lamar.

DRAINAGE AREA.--19,780 mi², of which 950 mi² is probably noncontributing.

PERIOD OF RECORD.--May 1913 to September 1955, April 1959 to current year. Monthly discharge only for some periods, published in WSP 1311. Statistical summary computed for 1949 to current year, subsequent to completion of John Martin Reservoir. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07133000

REVISED RECORDS.--WSP 1341: 1921(M), 1945-46(M), drainage area; WDR CO-86-1: 1985.

GAGE.--Water-stage recorder with satellite telemetry and crest stage gage. Datum of gage is 3,597.39 ft above NGVD of 1929. See WSP 1731 for history of changes prior to Apr. 4, 1959. Apr. 4, 1959 to Mar. 26, 1968, at site 525 ft upstream at datum 2.42 ft higher. Mar. 27, 1968 to Nov. 17, 1982, at site 375 ft downstream at datum 4.00 ft lower. March 18, 1987 to March 6, 2002, at site 75 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, power developments, transbasin and transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants. Flow regulated by John Martin Reservoir (station 07130000) 21 mi upstream since Oct. 1948.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	8.4	6.1	6.7	8.2	6.3	572	67	11	16	48	27
2	17	6.5	6.1	6.3	e8.0	6.5	591	24	13	13	27	28
3	13	6.7	5.9	8.5	7.5	6.6	635	21	20	11	37	28
4	9.5	7.1	6.1	11	7.4	7.2	699	19	42	10	22	37
5	8.9	7.2	6.1	e9.5	7.6	7.6	921	24	32	11	40	28
6	8.6	7.1	6.6	e9.0	6.9	6.9	919	36	23	23	29	26
7	8.1	6.7	6.8	10	6.7	6.9	854	42	14	13	36	25
8	9.2	6.7	6.5	7.0	7.0	6.9	774	38	11	12	294	25
9	12	6.6	6.7	6.8	6.7	5.8	653	38	11	11	124	24
10	15	6.6	6.8	6.7	6.9	5.7	668	38	13	10	40	24
11	19	6.6	6.6	6.8	7.2	5.7	660	25	8.4	10	30	24
12	22	6.8	6.5	7.2	6.8	5.8	281	15	10	10	92	25
13	23	7.0	6.5	7.3	6.8	5.8	73	16	8.0	9.7	56	25
14	23	7.1	7.1	7.1	7.1	5.7	57	15	8.8	11	17	27
15	22	7.3	7.3	7.2	7.8	5.7	20	15	11	9.7	17	45
16	17	7.3	6.9	6.1	6.7	5.7	18	14	19	10	11	46
17	15	6.9	6.9	5.6	6.5	5.6	28	14	97	10	7.7	46
18	13	6.8	6.8	5.9	6.5	5.9	19	14	72	11	8.5	47
19	13	6.8	6.6	6.1	7.0	5.7	16	16	42	10	225	50
20	12	7.2	6.4	6.0	6.6	5.4	15	41	19	21	209	48
21	12	7.4	5.8	5.8	6.6	5.2	12	48	275	12	41	47
22	13	7.7	5.9	5.6	6.6	5.2	13	28	117	24	35	57
23	14	8.0	6.4	5.7	6.6	5.2	26	19	21	59	32	48
24	13	e7.5	6.8	6.0	6.6	5.4	18	16	15	41	31	44
25	13	e7.0	6.7	6.2	6.7	5.2	17	15	14	22	30	42
26	14	7.2	6.3	6.3	6.3	5.9	15	16	13	15	30	13
27	14	6.2	6.1	6.2	6.1	295	13	13	11	15	30	12
28	14	6.2	6.3	6.7	6.1	453	16	12	10	15	30	12
29	14	6.2	6.2	7.7	6.1	485	46	11	11	13	29	12
30	13	5.7	6.6	8.0	---	539	92	11	30	27	29	12
31	12	---	7.0	8.5	---	550	---	11	---	65	29	---
TOTAL	457.3	208.5	201.4	219.5	199.6	2,477.5	8,741	732	1,002.2	550.4	1,716.2	954
MEAN	14.8	6.95	6.50	7.08	6.88	79.9	291	23.6	33.4	17.8	55.4	31.8
MAX	31	8.4	7.3	11	8.2	550	921	67	275	65	294	57
MIN	8.1	5.7	5.8	5.6	6.1	5.2	12	11	8.0	9.7	7.7	12
AC-FT	907	414	399	435	396	4,910	17,340	1,450	1,990	1,090	3,400	1,890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2004, BY WATER YEAR (WY)

MEAN	37.4	21.0	29.1	39.0	40.1	41.8	164	195	276	303	214	88.3
MAX	233	117	350	796	507	516	1,089	2,143	2,087	2,457	1,547	689
(WY)	(1949)	(1998)	(1998)	(1998)	(1966)	(1998)	(1987)	(1987)	(1987)	(1995)	(1965)	(1965)
MIN	0.84	1.81	0.56	0.47	0.72	1.11	5.90	6.41	3.80	10.2	10.9	1.37
(WY)	(1978)	(1978)	(1978)	(1978)	(1965)	(1965)	(1995)	(1963)	(1954)	(1964)	(1974)	(1974)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1949 - 2004	
ANNUAL TOTAL	6,953.7		17,459.6			
ANNUAL MEAN	19.1		47.7		a120	
HIGHEST ANNUAL MEAN					537	
LOWEST ANNUAL MEAN					17.7	
HIGHEST DAILY MEAN	171	Jun 19	921	Apr 5	b25,000	Jun 18, 1965
LOWEST DAILY MEAN	3.4	Jan 6	5.2	Mar 21	c0.00	Dec 5, 1953
ANNUAL SEVEN-DAY MINIMUM	3.4	Jan 6	5.3	Mar 19	0.21	Jan 10, 1965
MAXIMUM PEAK FLOW			1,270	Aug 19	d73,800	Jun 18, 1965
MAXIMUM PEAK STAGE			8.64	Aug 19	f16.48	Jun 18, 1965
ANNUAL RUNOFF (AC-FT)	13,790		34,630		87,280	
10 PERCENT EXCEEDS	48		48		406	
50 PERCENT EXCEEDS	8.6		12		23	
90 PERCENT EXCEEDS	3.9		6.1		4.2	

e Estimated.

a Average discharge for 30 years (water years 1914-43), 298 ft³/s, 215,900 acre-ft/yr, prior to and during construction of John Martin Dam.

b Maximum daily discharge for period of record, 87,300 ft³/s, Jun 5, 1921.

c Also minimum daily discharge for period of record; also occurred at times in 1913-15.

d From current-meter and timed-drift measurement of peak flow, maximum discharge and gage height for period of record, 130,000 ft³/s, (determined by Colorado State Engineer) Jun 5, 1921, from rating curve extended above 10,000 ft³/s, gage height, 14.55 ft, site and datum then in use.

f From floodmarks, site and datum then in use.

07134100 BIG SANDY CREEK NEAR LAMAR, CO

LOCATION.--Lat 38°06'51", long 102°29'00", in SW¹/₄SW¹/₄ sec.21, T.22 S., R.45 W., Prowers County, Hydrologic Unit 11020011, on right bank 35 ft upstream from State Highway 196, 950 ft upstream from mouth, and 7.5 mi east of Lamar.

DRAINAGE AREA.--3,248 mi², of which about 585 mi² is probably noncontributing.

PERIOD OF RECORD.-- February 1968 to September 1982, July 1995 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07134100

REVISED RECORDS.--WDR CO-01-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 3,545 ft above NGVD of 1929, from topographic map. Prior to June 30, 1977, at datum 1.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage, erosion-control, and livestock-watering reservoirs, diversions for irrigation, ground-water withdrawals, and return flows from irrigated areas. Flow affected by backwater from the Arkansas River at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 17, 1965, reached a discharge of 3,600 ft³/s, from slope-area measurement of peak flow 0.5 mi upstream from station. Flood of Aug. 21, 1965, reached a stage of 9.93 ft, from floodmarks, discharge unknown.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.90	e1.0	e3.6	e2.9	e2.7	e2.6	e2.1	7.1	7.0	8.6	7.1	15
2	e0.80	e1.1	e3.3	e2.9	e2.6	e2.6	e2.1	6.2	4.7	9.3	5.7	14
3	e0.80	e1.2	2.9	e2.9	e2.7	2.6	e2.1	5.5	4.3	11	5.7	13
4	e0.70	e1.4	e3.0	e2.9	e2.7	2.6	e2.1	5.8	4.3	11	6.5	13
5	e0.70	e1.5	e3.0	e2.9	e2.7	2.6	e2.2	5.1	4.1	10	5.3	14
6	e0.60	e1.6	e3.0	e2.7	e2.7	2.6	e2.2	5.6	5.0	8.0	4.2	13
7	e0.60	1.6	e3.0	e2.9	e2.7	2.4	e2.1	5.9	4.3	3.8	9.0	12
8	e0.59	1.5	e3.0	e2.8	e2.7	2.6	1.1	5.3	3.5	4.2	21	11
9	0.54	1.6	e3.0	e2.8	e2.7	2.5	1.0	6.6	3.4	5.2	26	10
10	0.48	e1.6	e3.0	e2.8	e2.7	2.3	1.3	5.7	118	6.2	18	9.6
11	0.50	e1.6	e3.1	e2.8	e2.7	2.0	1.3	6.1	33	4.0	18	4.9
12	0.49	e1.6	e3.2	e2.8	e2.5	2.1	1.2	6.4	11	4.9	17	4.5
13	0.52	e1.6	e3.0	e2.8	e2.5	2.1	1.3	8.3	5.9	6.6	16	4.3
14	0.53	e1.6	e3.2	e2.8	e2.6	2.0	1.2	5.0	4.6	6.7	12	4.3
15	0.56	e1.6	e3.2	e2.8	e2.6	2.1	1.4	4.8	4.1	6.1	11	4.5
16	0.65	e1.6	e3.2	e2.8	e2.6	2.5	2.3	4.5	3.5	4.7	11	5.2
17	0.77	e1.6	e3.2	e2.8	e2.6	2.1	2.8	4.7	5.2	1.6	10	5.5
18	0.79	e1.8	e3.2	e2.8	e2.6	2.0	0.16	4.6	9.7	1.8	14	e5.0
19	0.76	e1.8	e3.2	e2.8	e2.6	2.2	0.11	3.5	19	2.6	19	e5.0
20	0.77	e2.0	e3.2	e2.8	e2.6	1.7	0.28	4.6	15	2.0	16	e5.0
21	0.73	2.5	e3.2	e2.7	e2.6	1.6	0.12	3.6	30	3.4	15	e5.0
22	0.75	2.6	e3.2	e2.7	e2.6	1.6	0.13	3.4	19	5.3	8.9	e5.0
23	0.81	2.4	e3.2	e2.7	e2.6	e1.6	3.2	6.8	13	11	9.2	e5.0
24	0.74	e2.5	e3.0	e2.7	e2.6	e1.7	14	5.9	10	12	13	e5.0
25	0.74	e2.8	e3.0	e2.7	e2.6	e1.7	8.2	5.1	8.4	9.1	17	e5.0
26	0.87	e3.0	e3.0	e2.7	e2.6	e1.8	5.5	3.7	9.0	7.9	17	e5.0
27	1.0	e3.0	e3.0	e2.5	e2.6	e1.8	6.7	5.3	6.1	7.0	17	e5.0
28	e1.0	e3.2	e2.8	e2.6	e2.6	e1.8	6.4	4.7	5.9	7.9	13	e5.1
29	e1.0	e3.4	e2.8	e2.7	e2.6	e2.0	6.0	4.4	5.9	10	12	e5.0
30	e1.0	e3.5	e2.9	e2.7	---	e2.0	6.8	4.0	6.6	7.8	12	e5.0
31	e1.0	---	e2.9	e2.7	---	e2.0	---	4.2	---	9.7	15	---
TOTAL	22.69	59.8	95.5	85.9	76.2	65.8	87.40	162.4	383.5	209.4	401.6	222.9
MEAN	0.73	1.99	3.08	2.77	2.63	2.12	2.91	5.24	12.8	6.75	13.0	7.43
MAX	1.0	3.5	3.6	2.9	2.7	2.6	14	8.3	118	12	26	15
MIN	0.48	1.0	2.8	2.5	2.5	1.6	0.11	3.4	3.4	1.6	4.2	4.3
AC-FT	45	119	189	170	151	131	173	322	761	415	797	442

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	7.96	28.4	(1997)	0.09	(1979)	14.6	58.9	(1998)	0.41	(1978)	19.6	63.0	(1998)	0.34	(1978)
	21.1	75.5	(1998)	0.50	(1978)	20.7	55.6	(1998)	2.23	(1978)	20.7	59.0	(1998)	2.10	(1977)
	19.9	70.6	(1999)	0.81	(1978)	21.1	66	(1999)	2.14	(1975)	11.1	42.9	(1999)	1.77	(1976)
	10.1	41.6	(1998)	0.21	(1978)	14.4	85.3	(1997)	0.03	(1976)	9.59	41.8	(1976)	0.08	(1978)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	967.95		1,873.09			
ANNUAL MEAN	2.65		5.12		16.1	
HIGHEST ANNUAL MEAN					45.6	
LOWEST ANNUAL MEAN					2.23	
HIGHEST DAILY MEAN	23	Jun 7	118	Jun 10	1,460	May 4, 1999
LOWEST DAILY MEAN	0.48	Oct 10	0.11	Apr 19	a0.00	Aug 13, 1976
ANNUAL SEVEN-DAY MINIMUM	0.52	Oct 9	0.52	Oct 9	0.00	Sep 1, 1976
MAXIMUM PEAK FLOW			231	Jun 10	b2,850	May 4, 1999
MAXIMUM PEAK STAGE			4.20	Jun 10	9.66	May 4, 1999
ANNUAL RUNOFF (AC-FT)	1,920		3,720		11,690	
10 PERCENT EXCEEDS	3.5		11		41	
50 PERCENT EXCEEDS	2.1		3.0		8.6	
90 PERCENT EXCEEDS	0.90		1.0		0.95	

e Estimated.

a Also occurred on many days during 1976-79 water years.

b From rating curve extended above 1,470 ft³/s on the basis of flow through culvert analysis with flow over road measurement at gage height 9.48 ft.

07134180 ARKANSAS RIVER NEAR GRANADA, CO

LOCATION.--Lat 38°05'44", long 102°18'37", in SE¼NE¼ sec.36, T.22 S., R.44 W., Prowers County, Hydrologic Unit 11020009, on right bank (revised) at upstream side of end of bridge on U.S. Highway 385, 1.2 mi downstream from headgate of Buffalo Canal, and 2.3 mi north of Granada. Prior to July 12, 2004, at site on left bank.

DRAINAGE AREA.--23,707 mi², of which 1,648 mi² is probably noncontributing.

PERIOD OF RECORD.--January 1899 to December 1901 (gage heights only), August to October 1903 (monthly discharge only for some periods, published in WSP 1311), December 1980 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07134180

REVISED RECORDS.--WDR CO-01-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 3,480 ft above NGVD of 1929, from topographic map. See WSP 1311 for history of changes prior to December 5, 1980. Dec, 5, 1980 to July 11, 2004, at site on left bank at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, power developments, transbasin and transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants. Flow regulated by John Martin Reservoir (station 07130000) 38 mi upstream since October 1948.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	4.0	25	30	31	28	424	144	5.0	144	79	27
2	3.9	3.5	26	30	e29	27	453	99	2.6	128	49	27
3	3.8	3.6	27	30	30	29	489	81	2.5	123	34	28
4	3.8	3.6	27	30	30	29	514	55	2.6	113	45	24
5	3.8	3.2	28	e29	31	30	651	28	3.2	103	39	25
6	3.9	3.2	28	e28	30	29	749	29	4.3	102	45	22
7	3.8	3.2	29	e29	29	28	740	38	5.7	117	45	20
8	3.9	3.0	29	e30	30	28	709	48	3.8	95	89	20
9	3.6	3.2	29	31	30	29	614	49	4.5	81	138	20
10	3.6	3.2	e28	30	29	29	588	51	42	77	113	19
11	3.2	3.1	29	30	29	20	577	51	51	60	99	16
12	3.3	3.0	30	30	e26	8.2	500	32	25	26	93	15
13	3.2	3.0	e28	30	e26	7.3	197	20	4.8	25	100	14
14	3.4	3.1	30	30	e27	6.6	126	18	4.1	18	95	12
15	3.7	3.1	30	31	28	6.2	87	15	4.1	12	91	11
16	3.5	3.1	e28	32	28	5.8	51	15	4.9	12	62	9.3
17	3.5	3.1	e28	31	28	6.3	39	12	19	11	43	7.7
18	3.6	3.0	29	30	29	7.1	34	6.3	73	8.9	42	6.8
19	3.5	3.1	e28	30	29	9.1	26	6.1	188	9.0	42	6.0
20	3.4	3.2	29	29	29	12	18	5.8	145	12	179	5.3
21	3.4	3.1	29	29	29	16	13	15	233	23	80	4.7
22	3.4	3.0	29	29	29	21	8.9	28	317	24	53	13
23	3.5	2.9	29	30	28	29	23	26	197	97	44	12
24	3.4	3.0	e28	30	28	32	63	18	164	82	43	9.6
25	3.2	3.0	29	31	28	33	50	13	144	74	39	32
26	3.3	3.0	30	30	28	36	35	9.4	134	70	33	13
27	3.5	2.9	29	e29	29	38	38	3.5	127	41	33	9.7
28	3.6	2.9	e28	e29	29	193	38	3.2	117	30	32	21
29	3.8	3.0	e28	e29	29	288	37	3.1	112	33	33	15
30	3.4	14	e29	30	---	343	88	2.9	124	34	33	9.8
31	3.5	---	29	30	---	386	---	2.8	---	62	29	---
TOTAL	110.1	105.3	882	926	835	1,789.6	7,979.9	928.1	2,264.1	1,846.9	1,974	474.9
MEAN	3.55	3.51	28.5	29.9	28.8	57.7	266	29.9	75.5	59.6	63.7	15.8
MAX	3.9	14	30	32	31	386	749	144	317	144	179	32
MIN	3.2	2.9	25	28	26	5.8	8.9	2.8	2.5	8.9	29	4.7
AC-FT	218	209	1,750	1,840	1,660	3,550	15,830	1,840	4,490	3,660	3,920	942

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)																														
1981	81.4	184	(1984)	3.55	(2004)	95.2	306	(1998)	3.51	(2004)	121	479	(1998)	28.5	(2004)	134	886	(1998)	29.9	(2004)	126	495	(1998)	28.8	(2004)	120	608	(1998)	22.7	(2004)	192	1,138	(1987)	295	2,470	(1999)	390	2,196	(1987)	433	2,144	(1995)	258	775	(1999)	107	430	(1984)	3.26	(2003)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	6,954.6		20,115.9			
ANNUAL MEAN	19.1		55.0		201	
HIGHEST ANNUAL MEAN					597	
LOWEST ANNUAL MEAN					20.3	
HIGHEST DAILY MEAN	142	Jun 20	749	Apr 6	4,070	May 5, 1999
LOWEST DAILY MEAN	2.9	Jul 20	2.5	Jun 3	a2.5	Jun 3, 2004
ANNUAL SEVEN-DAY MINIMUM	3.0	Nov 22	3.0	Nov 22	3.0	Aug 14, 1990
MAXIMUM PEAK FLOW			769	Apr 6	b4,610	May 5, 1999
MAXIMUM PEAK STAGE			8.12	Apr 6	c12.28	May 5, 1999
ANNUAL RUNOFF (AC-FT)	13,790		39,900		145,800	
10 PERCENT EXCEEDS	46		114		501	
50 PERCENT EXCEEDS	3.9		29		98	
90 PERCENT EXCEEDS	3.1		3.3		6.2	

e Estimated.

a Minimum daily for period of record, 1 ft³/s, many days in 1903.

b From rating curve extended above 3,470 ft³/s.

c Maximum gage height, 12.38 ft, May 27, 1996.

07134990 WILD HORSE CREEK ABOVE HOLLY, CO

LOCATION.--Lat 38°03'24", long 102°08'16", in NE¹/₄NE¹/₄ sec. 16, T.23 S., R.42 W., Prowers County, Hydrologic Unit 11020009, on left bank 1,000 ft downstream from County Road No. 34, 0.7 mi northwest of Holly, and 0.7 mi upstream from mouth.

DRAINAGE AREA.--270 mi², approximately, of which about 60 mi² is probably noncontributing.

PERIOD OF RECORD.--June 1995 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07134990

REVISED RECORDS.--WDR CO-01-1: Drainage area

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 3,405 ft above NGVD of 1929, from topographic map. Prior to Apr. 29, 1997, at site 1,050 ft upstream at datum 3.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges and those below 0.75 ft³/s, which are poor. Natural flow of stream affected by diversions for irrigation, ground-water withdrawals, and return flows from irrigated areas, the Buffalo Canal, and the Amity Canal.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 1,270 ft³/s, May 26, 1996, from slope-area measurement of peak flow, gage height, 6.90 ft, from floodmark, site and datum then in use; maximum gage height, 8.63 ft, Aug. 7, 1997, from floodmark; no flow, Aug. 20-21, 2002, Sept. 14, 2004.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 726 ft³/s, Sept. 25, gage height, 8.05 ft; no flow, Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	14	---	---	---	---	1.9	4.1	0.25	4.1	1.1	1.1
2	1.2	8.8	---	---	---	---	1.1	2.2	0.29	3.3	1.3	1.0
3	0.73	2.2	---	---	---	---	0.85	0.37	0.25	2.9	2.3	1.00
4	0.68	1.7	---	---	---	---	1.4	5.0	0.15	3.2	0.80	1.00
5	1.2	2.5	---	---	---	---	0.62	26	7.9	5.0	0.54	0.99
6	1.0	1.5	---	---	---	---	0.60	0.64	6.0	4.9	0.64	0.92
7	0.80	2.7	---	---	---	---	0.58	0.54	4.3	3.3	0.59	0.87
8	0.62	1.4	---	---	---	---	0.55	0.49	5.8	2.6	0.64	0.83
9	0.62	1.4	---	---	---	---	0.63	0.40	0.19	0.58	1.0	0.57
10	0.62	1.2	---	---	---	---	0.72	0.35	0.28	1.1	1.4	0.24
11	0.70	0.97	---	---	---	---	0.69	0.36	0.29	3.2	1.7	0.30
12	0.81	0.91	---	---	---	---	0.66	0.48	0.13	30	1.4	0.30
13	0.85	1.6	---	---	---	---	0.59	0.54	0.16	3.6	1.1	0.20
14	0.81	0.92	---	---	---	---	0.52	1.2	0.09	1.5	0.89	0.00
15	0.79	1.6	---	---	---	---	0.46	2.6	0.05	2.6	0.67	0.17
16	0.83	3.9	---	---	---	---	0.42	2.5	5.6	1.0	2.5	0.10
17	0.82	9.1	---	---	---	---	0.40	2.4	9.6	0.51	6.1	0.28
18	0.75	5.1	---	---	---	---	0.49	2.3	3.0	1.8	23	0.28
19	0.77	4.5	---	---	---	---	0.99	2.3	45	0.89	54	0.49
20	2.4	12	---	---	---	---	5.4	1.5	98	0.97	57	0.67
21	4.3	13	---	---	---	---	2.0	16	47	0.87	59	0.65
22	7.4	e15	---	---	---	---	7.7	13	32	0.77	50	0.53
23	4.1	e13	---	---	---	---	13	3.8	28	7.8	28	0.28
24	4.1	e12	---	---	---	---	26	6.4	6.6	0.69	9.6	0.12
25	6.8	22	---	---	---	---	10	13	4.6	0.68	9.8	276
26	14	39	---	---	---	---	43	5.8	31	0.59	23	14
27	11	41	---	---	---	---	29	5.5	73	0.48	35	2.6
28	14	40	---	---	---	---	24	0.88	4.8	0.68	57	1.3
29	5.4	29	---	---	---	---	25	0.38	5.2	0.55	30	0.80
30	1.8	1.0	---	---	---	---	59	0.67	4.5	0.53	16	2.5
31	4.7	---	---	---	---	---	---	0.37	---	0.63	3.3	---
TOTAL	95.70	303.00	---	---	---	---	258.27	122.07	424.03	91.32	479.37	310.09
MEAN	3.09	10.1	---	---	---	---	8.61	3.94	14.1	2.95	15.5	10.3
MAX	14	41	---	---	---	---	59	26	98	30	59	276
MIN	0.62	0.91	---	---	---	---	0.40	0.35	0.05	0.48	0.54	0.00
AC-FT	190	601	---	---	---	---	512	242	841	181	951	615

e Estimated.

07137000 FRONTIER DITCH NEAR COOLIDGE, KS

LOCATION.--Lat 38°02'18", long 102°02'19", in SW 1/4 SE 1/4 NE 1/4 sec.21, T.23 S., R.43 W., Hamilton County, Hydrologic Unit 11030001, on left bank 0.3 mi east of Colorado-Kansas State line, 0.5 mi downstream from Holly drain diversion, 1.5 mi west of Coolidge, and 2.3 mi downstream from diversion of the Arkansas River.

PERIOD OF RECORD.--October 1950 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/ks/nwis/inventory/?site_no=07137000

REVISED RECORDS.--WSP 1731: 1951.

GAGE.--Water-stage recorders and Parshall flume. Datum of gage is 3,343.14 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. This ditch diverts water from the Arkansas River in Colorado for use in Kansas. These records and records for the Arkansas River near Coolidge (station 07137500) represent total flow of the Arkansas River at the Colorado-Kansas State line. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 84 ft³/s, Aug. 1, 1975; no flow many days each year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e20	21	0.00	0.00	0.00	0.00	24	0.00	22	0.00	e40	17
2	18	22	0.00	0.00	0.00	0.00	24	0.00	20	0.00	e40	17
3	17	21	0.00	0.00	0.00	0.00	24	0.00	19	0.00	e38	15
4	17	20	0.00	0.00	0.00	0.00	24	0.00	20	0.00	e37	15
5	17	19	0.00	0.00	0.00	0.00	24	0.00	28	0.00	34	16
6	17	20	0.00	0.00	0.00	0.00	24	0.00	28	0.00	32	16
7	16	19	0.00	0.00	0.00	0.00	26	0.00	24	0.00	34	17
8	e17	18	0.00	0.00	0.00	0.00	e29	0.00	24	0.00	33	20
9	19	18	0.00	0.00	0.00	0.00	e29	0.00	21	6.6	34	22
10	18	17	0.00	0.00	0.00	0.00	e29	0.00	25	14	31	22
11	16	16	0.00	0.00	0.00	0.00	e29	17	27	29	28	e22
12	15	13	0.00	0.00	0.00	0.00	e30	26	31	19	28	e23
13	15	11	0.00	0.00	0.00	0.00	e30	26	24	15	28	e22
14	14	9.9	0.00	0.00	0.00	0.00	31	27	17	29	28	e22
15	14	8.6	0.00	0.00	0.00	0.00	31	27	e20	32	28	e22
16	13	7.7	0.00	0.00	0.00	0.00	32	27	e5.6	34	28	e22
17	13	7.0	0.00	0.00	0.00	0.00	32	27	0.53	e38	28	e22
18	13	6.4	0.00	0.00	0.00	0.00	31	27	0.16	e39	27	e24
19	12	6.3	0.00	0.00	0.00	0.00	26	27	0.00	e39	28	e23
20	11	6.7	0.00	0.00	0.00	0.00	26	27	0.09	e39	28	e22
21	9.4	e6.6	0.00	0.00	0.00	0.00	26	27	1.0	37	26	e22
22	7.7	e6.2	0.00	0.00	0.00	0.00	26	27	0.18	e35	26	e22
23	6.5	e6.7	0.00	0.00	0.00	0.00	25	27	0.00	e39	26	e17
24	e6.5	e6.4	0.00	0.00	0.00	0.00	14	27	0.00	e39	25	0.94
25	e8.2	e6.0	0.00	0.00	0.00	0.00	0.09	e29	0.00	e40	24	0.73
26	e8.4	e5.6	0.00	0.00	0.00	11	0.00	e32	0.00	e40	23	0.47
27	e6.7	0.05	0.00	0.00	0.00	18	0.00	e32	0.00	e40	23	0.23
28	e9.9	0.00	0.00	0.00	0.00	22	0.00	e30	0.00	e40	24	0.03
29	e21	0.00	0.00	0.00	0.00	28	0.00	26	0.00	e40	22	0.00
30	20	0.00	0.00	0.00	---	26	0.00	23	0.00	e38	21	0.00
31	20	---	0.00	0.00	---	25	---	22	---	e39	19	---
MEAN	14.1	10.8	0.00	0.00	0.00	4.19	21.5	18.1	11.9	24.5	28.7	15.5
MAX	21	22	0.00	0.00	0.00	28	32	32	31	40	40	24
MIN	6.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00
AC-FT	865	645	0.00	0.00	0.00	258	1,280	1,110	709	1,510	1,770	921
CAL YR	2003	MEAN 9.12	MAX 31	MIN 0.00	AC-FT 6600							
WTR YR	2004	MEAN 12.5	MAX 40	MIN 0.00	AC-FT 9070							

e Estimated.

07137500 ARKANSAS RIVER NEAR COOLIDGE, KS

LOCATION.--Lat 38°01'39", long 102°00'42", in NW ¼ NE ¼ NW ¼ sec.26, T.23 S., R.43 W., Hamilton County, Hydrologic Unit 11030001, on right bank at downstream side of county highway bridge, 1.0 mi south of Coolidge, 1.9 mi downstream from Colorado-Kansas State line, and at mile 1,099.3.

DRAINAGE AREA.--25,410 mi², of which 1,708 mi² is probably noncontributing.

PERIOD OF RECORD.--May to October 1903, March to May 1921, October 1950 to current year. Monthly discharge only for some periods, published in WSP 1311. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/ks/nwis/inventory/?site_no=07137500

REVISED RECORDS.--WSP 1341: 1903, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3,330.84 ft above NGVD of 1929. May 5 to Oct. 31, 1903, nonrecording gage, and Mar. 1 to May 31, 1921, water-stage recorder at present site at different datum. Oct. 1, 1950, to Mar. 31, 1966, water-stage recorder at site 0.3 mi upstream at datum 3.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Combined flow of river and Frontier Ditch (station 07137000) represents entire flow that enters Kansas. Flow regulated since 1948 by John Martin Reservoir (station 07130000). Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals and diversions for irrigation of about 500,000 acres, and return flow from irrigated areas. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	11	32	41	43	45	310	142	14	197	126	48
2	24	11	27	41	43	44	340	146	14	206	106	47
3	18	9.6	29	41	44	44	375	122	14	186	86	41
4	16	8.7	30	40	44	47	411	110	15	165	73	40
5	14	8.0	32	38	44	46	464	108	16	150	57	41
6	12	7.8	31	31	42	44	603	95	15	147	62	40
7	15	8.0	35	29	42	41	651	87	14	137	61	38
8	9.9	7.6	35	35	43	44	630	86	14	135	90	33
9	9.1	7.6	36	42	43	43	595	86	18	110	129	30
10	9.1	8.0	35	44	42	43	559	87	21	96	145	27
11	15	8.7	35	44	43	39	554	74	26	76	183	25
12	14	10	34	41	e37	41	530	65	25	82	139	23
13	15	13	32	41	e36	42	347	58	22	66	128	22
14	13	14	35	43	e38	37	201	57	24	50	141	22
15	15	15	42	49	43	35	155	51	24	43	126	22
16	18	16	37	45	41	40	119	51	145	35	113	25
17	22	18	39	41	41	31	96	44	104	30	112	24
18	16	20	42	40	41	28	81	43	89	29	93	23
19	17	19	39	41	43	27	74	38	414	26	89	22
20	17	21	40	40	42	27	65	38	385	25	84	27
21	18	23	41	39	42	26	54	38	792	25	151	30
22	20	24	41	39	41	27	59	45	480	23	134	41
23	23	28	40	40	41	27	68	42	349	327	105	48
24	23	28	40	41	41	24	135	39	285	215	79	60
25	23	38	41	42	43	25	135	37	230	128	69	201
26	24	36	41	42	45	20	125	27	197	109	72	129
27	26	42	41	e38	47	13	117	22	371	84	67	104
28	24	41	39	e38	45	14	114	17	207	76	72	85
29	13	41	38	e38	43	115	108	16	179	81	65	69
30	9.3	39	40	e39	---	202	124	15	171	71	60	64
31	8.9	---	43	42	---	268	---	15	---	103	52	---
MEAN	16.8	19.4	36.8	40.2	42.2	50.0	273	61.3	156	104	99.0	48.4
MAX	26	42	43	49	47	268	651	146	792	327	183	201
MIN	8.9	7.6	27	29	36	13	54	15	14	23	52	22
AC-FT	1,030	1,150	2,270	2,470	2,430	3,070	16,260	3,770	9,270	6,410	6,090	2,880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	132	120	125	133	138	133	216	313	478	352	325	177
MAX	332	424	534	972	602	658	1,221	2,478	8,221	2,255	1,979	1,079
(WY)	(1998)	(1998)	(1998)	(1998)	(1966)	(1998)	(1987)	(1999)	(1965)	(1995)	(1965)	(1965)
MIN	1.97	1.53	3.94	3.14	5.52	5.63	9.43	6.61	4.20	3.59	1.94	0.90
(WY)	(1979)	(1979)	(1979)	(1979)	(1978)	(1978)	(1979)	(1963)	(1954)	(1974)	(1964)	(1960)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL MEAN	36.4		78.7		220	
HIGHEST ANNUAL MEAN					1,012	
LOWEST ANNUAL MEAN					19.8	
HIGHEST DAILY MEAN	163	Jun 21	792	Jun 21	101,000	Jun 18, 1965
LOWEST DAILY MEAN	2.5	Sep 18	7.6	Nov 8	0.00	Jul 9, 1954
ANNUAL SEVEN-DAY MINIMUM	2.7	Sep 16	8.0	Nov 4	0.00	Jul 9, 1954
MAXIMUM PEAK FLOW			1,390	Jun 21	158,000	Jun 17, 1965
MAXIMUM PEAK STAGE			6.39	Jun 21	14.80	Jun 17, 1965
ANNUAL RUNOFF (AC-FT)	26,340		57,100		159,700	
10 PERCENT EXCEEDS	60		158		454	
50 PERCENT EXCEEDS	32		41		125	
90 PERCENT EXCEEDS	5.2		15		10	

e Estimated.

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK, CO

LOCATION.--Lat 37°39'25", long 106°38'55", in SW¼NE¼ sec.3, T.39 N., R.3 E., Rio Grande County, Hydrologic Unit 13010001, on left bank near U.S. Highway 160, 0.1 mi downstream from Church Creek, 0.9 mi southwest of village of South Fork, and 1.5 mi upstream from mouth.

DRAINAGE AREA.--216 mi².

PERIOD OF RECORD.--August 1910 to September 1922, May 1936 to September 1995, and October 1998 to current year. Monthly discharge only for some periods, published in WSP 1312. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08219500

REVISED RECORDS.--WSP 898: 1911(M). WSP 1312: 1912, 1944(M). WSP 1632: 1956-58(P).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,221.79 ft above NGVD of 1929. Aug. 9, 1910 to Mar. 28, 1915, nonrecording gage, and Mar. 29, 1915 to Sept. 30, 1922, water-stage recorder, at bridges 1 mi downstream at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, transmountain diversions from Colorado River Basin through Treasure Pass Ditch (see elsewhere in this report), diversions for irrigation, and return flows from irrigated areas. Flow slightly regulated by Beaver Creek Reservoir on Beaver Creek, capacity, 4,760 acre-ft, and several other storage reservoirs.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 5, 1911, exceeds all other observed floods at this location since at least 1873. Flood of June 29, 1927, reached a stage about 1 ft lower than that of Oct. 5, 1911, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	40	e31	e26	e26	e28	219	292	735	204	66	44
2	43	69	e31	e28	e26	e30	232	297	760	174	63	42
3	56	102	e29	e27	e28	e29	236	334	862	145	71	38
4	62	73	e28	e24	e29	e33	217	434	923	127	66	92
5	53	51	e30	e20	e27	e32	204	558	956	120	59	136
6	49	49	e31	e22	e25	e30	202	709	926	113	64	84
7	47	48	e33	e26	e25	e35	204	860	974	103	85	79
8	45	46	e32	e25	e26	e40	200	947	941	99	77	66
9	42	48	e29	e24	e25	e45	198	986	834	98	66	58
10	40	44	e24	e24	e25	e50	190	1,030	754	96	69	47
11	40	33	e26	e23	e26	e50	188	1,100	622	98	63	46
12	38	31	e26	e23	e24	e60	179	996	537	91	61	42
13	36	32	e24	e23	e20	e80	173	763	479	87	53	39
14	32	e31	e26	e23	e22	e90	181	643	474	79	46	35
15	29	e29	e25	e26	e23	e110	189	638	488	71	45	33
16	29	e29	e23	e27	e23	e120	214	737	450	72	45	32
17	29	e32	e25	e26	e24	e120	238	863	417	78	44	31
18	35	e30	e26	e23	e25	127	238	982	387	76	53	29
19	34	e30	e27	e23	e26	151	235	1,130	365	74	58	191
20	45	e31	e27	e27	e25	173	234	1,190	341	79	59	762
21	44	e33	e27	e25	e26	193	233	1,160	313	93	62	486
22	43	e31	e26	e24	e24	220	226	1,100	289	89	62	362
23	41	e29	e26	e24	e23	233	222	971	265	98	59	255
24	37	e30	e27	e25	e25	243	203	855	242	107	50	209
25	30	e32	e27	e27	e24	248	206	788	228	90	47	186
26	25	e30	e28	e25	e24	264	211	730	226	81	43	187
27	29	e29	e24	e22	e28	252	233	776	221	85	41	165
28	31	e29	e23	e24	e27	208	278	857	207	77	41	144
29	30	e30	e21	e26	e26	180	320	956	208	79	39	135
30	31	e31	e24	e27	---	177	317	797	240	72	40	129
31	29	---	e24	e28	---	192	---	730	---	73	45	---
TOTAL	1,196	1,182	830	767	727	3,843	6,620	25,209	15,664	3,028	1,742	4,184
MEAN	38.6	39.4	26.8	24.7	25.1	124	221	813	522	97.7	56.2	139
MAX	62	102	33	28	29	264	320	1,190	974	204	85	762
MIN	25	29	21	20	20	28	173	292	207	71	39	29
AC-FT	2,370	2,340	1,650	1,520	1,440	7,620	13,130	50,000	31,070	6,010	3,460	8,300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

MEAN	89.7	57.1	43.2	37.2	40.0	63.8	215	688	813	250	110	86.9
MAX	569	152	106	88.6	78.3	131	479	1,282	1,746	794	264	358
(WY)	(1912)	(1987)	(1912)	(1986)	(1986)	(1989)	(1962)	(1984)	(1979)	(1957)	(1957)	(1970)
MIN	32.1	23.9	18.0	13.6	18.2	21.5	85.2	136	51.0	28.8	22.7	23.6
(WY)	(1956)	(1961)	(1977)	(1977)	(1955)	(1955)	(1955)	(2002)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1910 - 2004
ANNUAL TOTAL	37,782	64,992	
ANNUAL MEAN	104	178	209
HIGHEST ANNUAL MEAN			359
LOWEST ANNUAL MEAN			48.9
HIGHEST DAILY MEAN	826	1,190	2,980
LOWEST DAILY MEAN	13	20	10
ANNUAL SEVEN-DAY MINIMUM	16	23	11
MAXIMUM PEAK FLOW		1,290	a8,000
MAXIMUM PEAK STAGE		4.67	b9.70
ANNUAL RUNOFF (AC-FT)	74,940	128,900	151,300
10 PERCENT EXCEEDS	273	640	605
50 PERCENT EXCEEDS	43	53	70
90 PERCENT EXCEEDS	23	25	32

e Estimated.

a Present site and datum, from rating curve extended above 1,500 ft³/s.

b From floodmarks.

0822000 RIO GRANDE NEAR DEL NORTE, CO

LOCATION.--Lat 37°41'22", long 106°27'38", in NW¼NW¼ sec.29, T.40 N., R.5 E., Rio Grande County, Hydrologic Unit 13010001, on right bank 40 ft (revised) downstream from county highway bridge, 5.0 mi upstream from Pinos Creek, and 6.0 mi west of Del Norte.

DRAINAGE AREA.--1,320 mi², approximately.

PERIOD OF RECORD.--June 1889 to current year. Monthly discharge only for some periods, published in WSP 1312. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08220000

REVISED RECORDS.--WSP 763: Drainage area. WSP 1312: 1889, 1901, 1913-14 (monthly discharge and runoff).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,980.25 ft above NGVD of 1929. Prior to May 16, 1908, nonrecording gage at site 4 mi downstream at different datum. May 16, 1908 to Nov. 8, 1910, nonrecording gages on bridge at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, transmountain diversions from Colorado River Basin (see elsewhere in this report), diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants. Flow regulated by Beaver Creek Reservoir since 1910, Santa Maria Reservoir since 1912, Rio Grande Reservoir since 1912, and Continental Reservoir since 1925, combined capacity, 126,100 acre-ft, and by several smaller reservoirs.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage of Oct. 5, 1911, is the greatest since at least 1873, from information obtained from local residents in 1959.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	229	205	e170	e140	e130	e160	542	911	2,680	1,040	375	187
2	227	281	e170	e150	e120	e140	659	920	2,720	940	357	182
3	252	362	e160	e140	e130	e150	739	947	3,240	860	370	178
4	303	327	e160	e120	e140	e170	695	1,180	3,510	776	348	231
5	320	244	e160	e100	e140	e140	665	1,490	3,570	719	311	489
6	318	232	e160	e110	e130	e150	657	2,030	3,380	650	318	391
7	288	234	e180	e120	e120	153	638	2,590	3,640	608	347	392
8	256	243	e170	e120	e130	163	625	2,950	3,660	582	341	323
9	235	242	e150	e130	e130	184	639	3,010	3,410	553	304	260
10	228	240	e140	e130	e130	205	633	3,300	3,110	539	302	236
11	227	232	e140	e130	e130	230	623	3,620	2,650	541	282	245
12	218	193	e150	e130	e110	277	586	3,570	2,170	520	263	232
13	215	190	e130	e130	e110	299	528	2,970	1,810	494	246	225
14	226	187	e150	e120	e130	305	524	2,630	2,210	461	232	215
15	234	173	e150	e130	e130	341	534	2,280	2,540	440	244	210
16	231	166	e130	e140	e130	323	594	2,110	2,410	441	235	202
17	209	188	e140	e130	e140	326	657	2,560	1,960	480	236	200
18	199	182	e150	e130	e150	356	682	3,130	1,640	495	259	187
19	198	163	e150	e130	e170	412	667	3,710	1,580	480	280	236
20	201	171	e150	e130	e160	494	669	4,030	1,480	495	279	2,010
21	204	180	e160	e120	e160	534	668	4,270	1,420	531	282	1,940
22	210	191	e150	e110	e160	590	672	4,100	1,620	512	299	1,720
23	197	e120	e140	e110	e160	620	705	3,470	1,590	510	284	1,150
24	186	130	e140	e120	e160	598	648	3,160	1,460	675	241	829
25	181	e160	e140	e130	e160	613	676	3,300	1,380	607	225	709
26	179	e150	e150	e120	e160	681	677	3,260	1,360	633	223	663
27	178	e140	e130	e110	e180	657	702	3,480	1,060	570	218	608
28	191	e140	e130	e120	e160	545	759	3,610	979	484	218	579
29	191	e150	e110	e130	e150	470	866	3,930	994	468	206	565
30	192	e180	e120	e130	---	470	941	3,460	1,140	428	197	598
31	192	---	e130	e140	---	471	---	2,770	---	401	195	---
TOTAL	6,915	5,996	4,560	3,900	4,110	11,227	19,870	88,748	66,373	17,933	8,517	16,192
MEAN	223	200	147	126	142	362	662	2,863	2,212	578	275	540
MAX	320	362	180	150	180	681	941	4,270	3,660	1,040	375	2,010
MIN	178	120	110	100	110	140	524	911	979	401	195	178
AC-FT	13,720	11,890	9,040	7,740	8,150	22,270	39,410	176,000	131,700	35,570	16,890	32,120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1890 - 2004, BY WATER YEAR (WY)

	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000
MEAN	481	283	205	188	195	272	761	2,509	3,101	1,402	778	512
MAX	2,451	804	420	340	300	646	1,999	4,449	6,240	3,451	1,800	2,001
(WY)	(1912)	(1917)	(1926)	(1912)	(1928)	(1910)	(1895)	(1922)	(1921)	(1957)	(1999)	(1927)
MIN	134	114	99.2	89.8	111	153	317	505	222	142	117	135
(WY)	(1957)	(1957)	(2003)	(1977)	(1977)	(1965)	(1951)	(2002)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1890 - 2004	
ANNUAL TOTAL	160,931	254,341		
ANNUAL MEAN	441	695	895	
HIGHEST ANNUAL MEAN			1,482	1987
LOWEST ANNUAL MEAN			227	2002
HIGHEST DAILY MEAN	3,480	4,270	14,000	Oct 6, 1911
LOWEST DAILY MEAN	e90	e100	74	Nov 16, 1956
ANNUAL SEVEN-DAY MINIMUM	99	117	76	Dec 29, 1976
MAXIMUM PEAK FLOW		4,450	a18,000	Oct 5, 1911
MAXIMUM PEAK STAGE		4.13	6.80	Oct 5, 1911
ANNUAL RUNOFF (AC-FT)	319,200	504,500	648,600	
10 PERCENT EXCEEDS	847	2,320	2,460	
50 PERCENT EXCEEDS	207	258	357	
90 PERCENT EXCEEDS	120	130	162	

e Estimated.

a From rating curve extended above 12,900 ft³/s.

CLOSED BASIN IN SAN LUIS VALLEY, CO

08224500 KERBER CREEK ABOVE LITTLE KERBER CREEK NEAR VILLA GROVE, CO

LOCATION.--Lat 38°13'13", long 106°05'21", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.46 N., R.8 E., Saguache County, Hydrologic Unit 13010003, on left bank 3.0 mi upstream from Little Kerber Creek, and 7 mi west of Villa Grove.

DRAINAGE AREA.--45.4 mi².

PERIOD OF RECORD.--November 1911 to June 1912 and June 1923 to September 1926 (published as Kerber Creek near Villa Grove). May 1936 to September 1982, October 1998 to current year. Published as "at Ashley Ranch" May 1936 to September 1982 and October 1998 to September 2001. Monthly discharge only for some periods, published in WSP 1312. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08224500

REVISED RECORDS.--WSP 1312: 1943. WSP 1512: 1943.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 8,640 ft above NGVD of 1929, from topographic map. Prior to June 1, 1923, nonrecording gage at site 2.5 mi downstream at different datum. June 1, 1923 to Sept. 16, 1926, and May 2, 1936 to June 24, 2002, at several sites 1.5 mi upstream, at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by several small diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1872, that of May 14, 1941, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	2.7	e2.8	e1.8	e2.2	e2.6	8.1	19	28	7.6	4.7	2.3
2	3.8	3.1	e2.9	e2.0	e2.3	e2.8	8.6	20	27	6.8	4.4	2.3
3	5.1	3.9	e2.6	e1.8	e2.3	e2.7	8.7	21	27	6.3	4.4	2.1
4	6.1	2.8	e2.5	e1.6	e2.3	e3.0	8.2	27	27	5.9	3.9	3.4
5	4.6	1.9	e2.6	e1.5	e2.1	e2.9	8.9	35	28	5.7	4.0	3.2
6	4.3	2.7	e2.7	e1.7	e1.9	e2.9	11	41	28	5.5	3.7	2.6
7	3.7	3.2	e2.7	e2.2	e1.8	e3.2	9.3	46	28	5.2	3.3	2.2
8	3.2	2.9	e2.6	e2.5	e2.0	e3.0	11	51	26	5.1	3.0	2.0
9	3.1	2.8	e2.4	e2.3	e1.9	e3.2	11	55	26	4.8	2.7	2.0
10	3.0	2.8	e2.2	e2.4	e1.9	e3.2	9.1	59	24	4.7	2.8	2.0
11	3.0	2.7	e2.3	e2.3	e2.0	e3.1	9.1	63	21	4.6	2.6	1.9
12	2.8	2.7	e2.2	e2.2	e1.8	e3.1	8.9	63	19	4.4	2.6	1.9
13	2.8	3.2	e2.3	e2.2	e1.6	e3.5	8.8	54	18	5.4	2.6	1.8
14	2.5	2.9	e2.3	e2.3	e1.8	e3.5	9.3	48	17	5.3	2.6	1.7
15	2.7	2.4	e2.4	e2.4	e1.9	e5.0	9.3	43	16	9.3	2.7	1.6
16	2.7	2.1	e2.3	e2.5	e1.8	e5.0	10	40	15	8.5	2.8	1.6
17	2.7	2.7	e2.3	e2.4	e2.0	e5.0	11	40	15	7.4	3.2	1.6
18	2.7	2.5	e2.4	e2.2	e2.2	e5.4	12	41	14	6.3	3.6	1.6
19	2.7	3.5	e2.5	e2.2	e2.3	e6.0	11	45	13	6.3	4.9	3.2
20	2.9	3.0	e2.3	e2.4	e2.2	e8.0	11	47	12	6.8	4.3	3.9
21	2.9	3.0	e2.4	e2.2	e2.4	e7.8	12	49	12	6.4	4.8	2.7
22	2.6	2.7	e2.5	e2.1	e2.4	e7.8	12	49	11	6.3	4.7	2.6
23	2.5	e2.5	e2.2	e2.0	e2.3	e7.8	10	46	9.6	7.5	4.3	2.3
24	2.4	e2.4	e1.9	e2.1	e2.6	e11	14	44	9.0	8.9	3.4	2.4
25	2.4	e2.5	e2.0	e2.2	e2.4	10	13	40	9.1	6.9	2.9	2.4
26	1.9	e2.6	e2.1	e2.1	e2.3	9.9	12	37	9.1	8.7	2.6	2.6
27	2.6	e2.5	e1.8	e2.1	e2.4	9.2	13	35	9.7	9.7	2.5	2.5
28	2.6	e2.4	e1.9	e2.2	e2.5	8.0	14	35	8.6	7.4	2.9	2.5
29	2.7	e2.5	e1.8	e2.3	e2.5	7.5	15	36	8.2	8.3	2.5	2.6
30	2.6	e2.7	e1.8	e2.3	---	7.4	18	35	9.4	6.2	2.2	2.8
31	2.4	---	e1.9	e2.4	---	7.6	---	32	---	5.5	2.3	---
TOTAL	94.8	82.3	71.6	66.9	62.1	171.1	327.3	1,296	524.7	203.7	103.9	70.3
MEAN	3.06	2.74	2.31	2.16	2.14	5.52	10.9	41.8	17.5	6.57	3.35	2.34
MAX	6.1	3.9	2.9	2.5	2.6	11	18	63	28	9.7	4.9	3.9
MIN	1.9	1.9	1.8	1.5	1.6	2.6	8.1	19	8.2	4.4	2.2	1.6
AC-FT	188	163	142	133	123	339	649	2,570	1,040	404	206	139

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2004, BY WATER YEAR (WY)

MEAN	4.79	4.16	2.95	2.64	3.02	5.01	14.6	45.4	37.8	11.8	7.73	4.99
MAX	16.1	10.0	6.50	6.00	6.00	12.0	44.4	130	102	61.9	42.3	25.6
(WY)	(1939)	(1958)	(1966)	(1966)	(1958)	(1924)	(1924)	(1942)	(1941)	(1957)	(1957)	(1957)
MIN	1.97	1.82	0.60	0.00	0.86	1.50	5.79	5.28	2.63	0.73	0.40	1.08
(WY)	(2003)	(1956)	(2003)	(1977)	(1972)	(1964)	(2002)	(2002)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

(a) WATER YEARS 1923 - 2004

ANNUAL TOTAL	2,582.72	3,074.7		
ANNUAL MEAN	7.08	8.40		
HIGHEST ANNUAL MEAN			12.1	
LOWEST ANNUAL MEAN			2.49	1924
HIGHEST DAILY MEAN	53	May 30	63	May 11
LOWEST DAILY MEAN	e0.00	Jan 5	e1.5	Jan 5
ANNUAL SEVEN-DAY MINIMUM	e0.00	Jan 5	1.7	Sep 12
MAXIMUM PEAK FLOW			65	May 11
MAXIMUM PEAK STAGE			1.32	May 11
ANNUAL RUNOFF (AC-FT)	5,120	6,100	8,740	
10 PERCENT EXCEEDS	17	26	30	
50 PERCENT EXCEEDS	3.1	3.0	4.5	
90 PERCENT EXCEEDS	1.2	2.0	2.2	

e Estimated.

a Water years 1983, and 1994 to 1998 data were published by the Colorado Division of Water Resources. Station was not operated during water years 1984 to 1993.

b Also occurred Dec 31, 1976 to Jan 31, 1977, and Jan 5-19, 2003 (no flow estimated).

c Also occurred Jan 5-19, 2003 (no flow estimated).

d From rating curve extended above 140 ft²/s.

f Maximum gage-height, 5.04 ft, May 11, 1947, site and datum then in use, backwater from beaver dam.

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO

LOCATION.--Lat 38°09'48", long 106°17'24", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.45 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 mi downstream from Middle Creek and 10 mi northwest of Saguache.

DRAINAGE AREA.--595 mi².

PERIOD OF RECORD.--August 1910 to September 1912, June 1914 to September 1982, October 1990 to current year. Monthly discharge only for some periods, published in WSP 1312. October 1982 to September 1990, in reports of State Engineer. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08227000

REVISED RECORDS.--WSP 1242: 1948-49. WSP 1312: 1912, 1934(M), 1942(M), 1948-49(M). WSP 1923: 1951.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is about 8,030 ft above NGVD of 1929, from topographic map. Prior to Apr. 9, 1934, at sites 0.8 mi downstream at different datums. Apr. 10, 1934 to Nov. 20, 1966, at present site at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions from Colorado River Basin through Tarbell Ditch (see elsewhere in this report), diversions for irrigation, and return flows from irrigated areas.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	26	e20	e20	e16	e18	36	81	125	97	49	28
2	26	30	e20	e22	e17	e21	39	76	124	73	48	27
3	30	32	e18	e19	e19	e22	53	70	135	69	50	27
4	35	30	e18	e16	e20	e21	52	77	137	68	49	30
5	34	22	e18	e13	e21	e22	45	93	139	63	47	41
6	32	21	e19	e14	e18	e22	48	104	141	60	49	40
7	31	24	e20	e16	e17	e27	49	108	153	60	49	34
8	29	34	e19	e20	e18	e27	52	114	149	60	46	31
9	28	30	e18	e18	e17	e32	58	120	149	58	40	30
10	29	34	e18	e18	e17	e32	51	131	142	56	37	29
11	28	32	e19	e17	e18	e33	50	133	126	55	35	30
12	27	28	e19	e17	e16	e36	55	141	115	53	34	30
13	27	32	e21	e17	e16	e38	45	132	108	53	33	28
14	27	32	e20	e19	e18	41	43	119	100	49	32	27
15	27	28	e20	e20	e18	46	41	113	104	52	31	24
16	26	23	e18	e20	e18	41	42	110	111	57	33	23
17	26	22	e19	e19	e19	42	45	114	100	70	34	23
18	26	24	e20	e17	e20	44	50	117	95	83	35	24
19	26	21	e21	e17	e22	46	50	128	89	78	39	27
20	27	e21	e21	e18	e20	52	46	142	88	88	39	44
21	25	e19	e21	e17	e19	55	46	152	89	89	37	55
22	25	e18	e20	e16	e19	53	49	155	94	70	42	45
23	24	e16	e19	e16	e19	49	51	146	88	69	43	38
24	25	e16	e18	e17	e20	45	62	139	74	85	38	35
25	25	e18	e18	e17	e18	43	76	136	73	69	35	35
26	24	e18	e19	e16	e16	42	72	133	83	63	33	35
27	25	e16	e18	e16	e18	41	66	130	89	65	32	35
28	27	e16	e18	e17	e18	35	70	137	86	59	33	34
29	27	e18	e16	e17	e18	30	71	152	82	60	32	35
30	27	e20	e20	e17	---	32	77	161	109	54	30	37
31	27	---	e21	e17	---	34	---	137	---	51	30	---
TOTAL	846	721	594	540	530	1,122	1,590	3,801	3,297	2,036	1,194	981
MEAN	27.3	24.0	19.2	17.4	18.3	36.2	53.0	123	110	65.7	38.5	32.7
MAX	35	34	21	22	22	55	77	161	153	97	50	55
MIN	24	16	16	13	16	18	36	70	73	49	30	23
AC-FT	1,680	1,430	1,180	1,070	1,050	2,230	3,150	7,540	6,540	4,040	2,370	1,950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

	43.9	35.4	25.8	23.3	26.4	38.4	67.8	155	170	92.0	72.0	50.5
MEAN	43.9	35.4	25.8	23.3	26.4	38.4	67.8	155	170	92.0	72.0	50.5
MAX	108	60.1	40.0	40.3	41.4	70.0	257	437	474	299	198	194
(WY)	(1912)	(1930)	(1928)	(1986)	(1986)	(1924)	(1924)	(1957)	(1957)	(1929)	(1929)	(1929)
MIN	20.6	16.4	13.9	12.2	13.4	21.5	34.2	27.8	15.3	12.7	13.3	15.0
(WY)	(1979)	(1978)	(1978)	(1978)	(1966)	(1964)	(1978)	(2002)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

(a) WATER YEARS 1910 - 2004

ANNUAL TOTAL	12,151		17,252									
ANNUAL MEAN	33.3		47.1								66.7	
HIGHEST ANNUAL MEAN											122	1924
LOWEST ANNUAL MEAN											24.7	2002
HIGHEST DAILY MEAN	143	May 30	161	May 30	678	Jun 7, 1957						
LOWEST DAILY MEAN	e13	Jan 13	e13	Jan 5	7.0	Jan 7, 1977						
ANNUAL SEVEN-DAY MINIMUM	e14	Jan 7	e16	Jan 4	8.3	Jan 6, 1977						
MAXIMUM PEAK FLOW			169	May 30	b1,220	Jul 25, 1999						
MAXIMUM PEAK STAGE			2.41	May 30	5.53	Jul 25, 1999						
ANNUAL RUNOFF (AC-FT)	24,100		34,220		48,290							
10 PERCENT EXCEEDS	60		110		144							
50 PERCENT EXCEEDS	26		33		40							
90 PERCENT EXCEEDS	18		18		21							

e Estimated.

a Including water year 1983-1990 data published by State Engineer.

b From rating curve extended above 1,090 ft³/s.

CLOSED BASIN IN SAN LUIS VALLEY, CO

372833105455800 CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO

LOCATION.--Lat 37°28'33", long 105°45'58", in SW¹/₄SW¹/₄ sec.3, T.37 N., R.11 E., Alamosa County, Hydrologic Unit 13010002, on right bank of Closed Basin Project Canal, 400 ft north of State Highway 160, and 5.5 mi east of Alamosa.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1998 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=372833105455800

GAGE.--Water-stage recorders with satellite telemetry and 12 ft Parshall flume. Elevation of gage is 7,531.15 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Records good except for estimated daily discharges, which are fair. The Closed Basin Project Canal delivers water from the Closed Basin in the San Luis Valley to the Rio Grande just downstream from Alamosa. Shallow (unconfined) aquifer water is pumped into the canal by a system of pumps.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	19	24	23	21	18	12	16	16	22	10	13
2	21	23	24	23	21	18	13	16	15	20	8.3	17
3	22	22	24	23	21	17	13	16	16	18	6.6	18
4	23	28	20	24	21	17	13	17	16	17	5.9	22
5	23	28	19	24	21	17	14	19	18	17	5.9	22
6	24	27	18	23	21	17	15	20	17	17	6.5	23
7	23	30	19	22	21	18	15	19	17	17	6.7	22
8	22	28	27	23	21	18	15	19	16	16	6.4	26
9	19	27	25	23	20	17	16	18	17	16	6.2	27
10	17	25	23	24	20	16	17	16	17	16	8.3	26
11	19	19	24	24	20	15	17	15	18	16	8.3	24
12	20	19	25	24	20	15	17	15	18	15	9.0	23
13	20	20	24	23	20	15	17	16	19	14	9.0	22
14	19	23	24	e23	20	15	17	17	19	13	8.7	22
15	19	28	23	22	20	15	16	17	19	12	8.5	23
16	17	27	22	22	20	17	17	18	18	12	8.2	22
17	16	25	22	23	20	17	17	19	18	11	7.8	22
18	16	23	24	23	19	15	16	25	19	11	7.7	22
19	16	23	25	23	20	14	16	22	18	11	7.9	21
20	16	22	26	23	20	11	16	19	19	12	8.1	21
21	17	17	25	23	20	8.7	17	21	20	12	8.4	21
22	17	16	24	22	20	8.8	18	20	19	12	8.8	21
23	18	16	24	22	20	13	19	19	20	11	9.0	19
24	18	16	23	21	20	15	18	17	20	10	8.9	17
25	16	19	22	21	20	16	18	17	19	11	9.7	17
26	18	28	22	21	20	16	18	17	20	12	9.9	17
27	21	27	22	21	20	16	18	18	22	11	10	17
28	21	25	22	21	19	15	17	16	22	11	9.9	17
29	20	24	22	21	19	14	17	16	22	11	10	18
30	19	24	22	22	---	14	17	19	23	11	9.9	17
31	19	---	22	22	---	13	---	17	---	11	11	---
TOTAL	595	698	712	699	585	471.5	486	556	557	426	259.5	619
MEAN	19.2	23.3	23.0	22.5	20.2	15.2	16.2	17.9	18.6	13.7	8.37	20.6
MAX	24	30	27	24	21	18	19	25	23	22	11	27
MIN	16	16	18	21	19	8.7	12	15	15	10	5.9	13
AC-FT	1,180	1,380	1,410	1,390	1,160	935	964	1,100	1,100	845	515	1,230

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	2000	1999	1999	1999	1999	2003	1999	1999	1999	1999	1999	
MEAN	22.0	22.6	25.6	31.1	30.7	28.0	27.0	24.9	24.1	21.1	18.8	20.9
MAX	35.0	31.6	35.7	42.4	38.1	33.0	34.7	34.3	32.9	35.1	28.1	33.0
(WY)	(2000)	(1999)	(1999)	(1999)	(1999)	(2003)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)
MIN	11.2	11.3	10.4	22.5	20.2	15.2	16.2	17.9	17.7	13.7	8.37	11.9
(WY)	(2001)	(2003)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	8,818.5		6,664.0			
ANNUAL MEAN	24.2		18.2		24.7	
HIGHEST ANNUAL MEAN					33.8	
LOWEST ANNUAL MEAN					18.2	
HIGHEST DAILY MEAN	36	Mar 19	30	Nov 7	63	Dec 21, 1998
LOWEST DAILY MEAN	5.0	Sep 13	5.9	Aug 4	5.0	Sep 13, 2003
ANNUAL SEVEN-DAY MINIMUM	5.4	Sep 11	6.3	Aug 3	5.4	Sep 11, 2003
MAXIMUM PEAK FLOW			31	Nov 6	101	Dec 21, 1998
MAXIMUM PEAK STAGE			0.77	Nov 6	a1.70	Dec 21, 1998
ANNUAL RUNOFF (AC-FT)	17,490		13,220		17,900	
10 PERCENT EXCEEDS	32		24		35	
50 PERCENT EXCEEDS	25		19		25	
90 PERCENT EXCEEDS	16		11		14	

e Estimated.

a Maximum gage height, 1.92 ft, Jan 29, 2002, backwater from ice.

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.--32 mi², approximately.

PERIOD OF RECORD.--March to October 1916, May 1923 to September 1981, October 1998 to current year. Monthly discharge only for some periods, published in WSP 1312. October 1981 to September 1998, in reports of State Engineer. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08242500

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Sept. 1973. Elevation of gage is 8,045 ft above NGVD of 1929, from topographic map. Mar. 18 to Oct. 9, 1916, nonrecording gage and Cippoletti weir at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation and return flows from irrigated areas.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Outstanding floods occurred in 1886 and in October 1911. The flood in 1886 probably exceeded the flood in October 1911 which has probably not yet been exceeded, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	7.8	e6.0	e6.2	e4.3	e5.6	16	28	37	25	32	12
2	6.8	8.3	e6.4	e6.4	e4.7	e5.6	19	29	37	20	28	10
3	7.9	8.5	e6.0	e6.0	e5.2	e6.6	20	27	43	17	26	10
4	11	7.7	e5.8	e5.6	e5.4	e6.4	18	30	50	16	23	12
5	13	6.9	e6.0	e5.2	e4.6	e6.2	16	39	52	14	24	15
6	12	7.6	e6.2	e4.9	e3.9	e6.2	12	55	50	13	23	13
7	11	8.0	e6.4	e5.4	e4.0	e6.4	14	66	50	13	20	11
8	11	7.8	e6.0	e6.0	e4.4	e6.0	16	74	47	12	17	10
9	11	7.6	e5.6	e5.6	e4.2	e6.2	17	75	43	11	15	10
10	10	7.6	e5.4	e5.4	e4.0	e7.6	17	81	37	11	13	10
11	11	7.5	e5.6	e5.4	e4.2	e7.2	16	86	31	8.8	12	9.7
12	10	7.4	e6.2	e5.2	e3.8	e7.6	15	82	29	8.0	13	9.4
13	10	8.2	e5.8	e5.2	e3.6	e8.4	15	65	26	8.5	13	9.0
14	9.9	8.1	e6.2	e5.2	e3.9	e8.4	16	58	24	7.9	14	8.0
15	9.9	7.5	e5.8	e5.6	e4.2	e9.0	16	55	23	9.2	16	7.9
16	9.9	7.4	e5.6	e6.0	e4.2	e9.0	17	57	22	10	13	8.1
17	9.6	7.7	e5.4	e5.8	e4.6	e9.6	18	60	21	15	12	8.0
18	9.3	6.4	e5.6	e5.2	e5.0	e9.6	20	62	20	26	13	7.7
19	9.3	7.1	e5.8	e5.6	e5.6	9.8	19	69	19	42	15	30
20	9.0	7.7	e6.0	e6.0	e5.4	11	17	68	20	112	15	124
21	9.0	7.6	e6.4	e5.6	e5.8	13	16	68	18	76	20	54
22	8.8	7.1	e6.0	e5.2	e5.4	16	14	70	18	65	28	37
23	8.5	2.8	e5.2	e5.0	e5.4	17	12	62	16	50	20	30
24	8.4	3.6	e4.4	e4.7	e6.0	18	19	54	15	45	17	26
25	8.4	7.0	e5.2	e5.4	e5.6	19	21	47	14	47	16	22
26	7.3	7.4	e6.0	e5.2	e5.2	20	18	43	14	50	14	20
27	8.5	e6.0	e5.6	e5.0	e6.2	22	19	44	16	60	13	18
28	8.5	e5.4	e5.2	e4.8	e5.8	18	20	50	17	57	14	17
29	8.2	e6.0	e5.4	e5.2	e5.4	16	20	57	22	51	13	15
30	8.1	e6.2	e5.4	e5.2	---	15	23	48	31	43	12	16
31	7.8	---	e5.8	e5.4	---	15	---	40	---	37	12	---
TOTAL	289.7	211.9	178.4	168.6	140.0	341.4	516	1,749	862	980.4	536	589.8
MEAN	9.35	7.06	5.75	5.44	4.83	11.0	17.2	56.4	28.7	31.6	17.3	19.7
MAX	13	8.5	6.4	6.4	6.2	22	23	86	52	112	32	124
MIN	6.6	2.8	4.4	4.7	3.6	5.6	12	27	14	7.9	12	7.7
AC-FT	575	420	354	334	278	677	1,020	3,470	1,710	1,940	1,060	1,170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2004, BY WATER YEAR (WY)

	9.85	7.61	5.10	4.57	4.96	7.28	21.4	53.8	54.9	29.0	20.0	12.8
MEAN	9.85	7.61	5.10	4.57	4.96	7.28	21.4	53.8	54.9	29.0	20.0	12.8
MAX	34.8	25.3	10.5	9.50	10.0	12.6	66.9	220	150	97.0	65.5	45.7
(WY)	(1924)	(1924)	(1971)	(1962)	(1962)	(1960)	(1932)	(1941)	(1941)	(1941)	(1936)	(1929)
MIN	0.91	0.78	0.50	1.60	2.00	3.16	4.69	4.80	1.29	0.30	0.00	0.07
(WY)	(1957)	(1952)	(1957)	(1957)	(1956)	(1957)	(1955)	(2002)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

(a) WATER YEARS 1923 - 2004

ANNUAL TOTAL	6,758.2	6,563.2		
ANNUAL MEAN	18.5	17.9	19.3	
HIGHEST ANNUAL MEAN			50.2	1941
LOWEST ANNUAL MEAN			3.88	2002
HIGHEST DAILY MEAN	179	May 30	124	Sep 20
LOWEST DAILY MEAN	e1.5	Feb 6	2.8	Nov 23
ANNUAL SEVEN-DAY MINIMUM	e1.7	Feb 3	e4.0	Feb 9
MAXIMUM PEAK FLOW			187	Sep 20
MAXIMUM PEAK STAGE			3.05	Sep 20
ANNUAL RUNOFF (AC-FT)	13,400	13,020	13,990	
10 PERCENT EXCEEDS	49	47	52	
50 PERCENT EXCEEDS	8.5	10	8.2	
90 PERCENT EXCEEDS	2.3	5.2	3.7	

e Estimated.

a Water years 1923-81 and 1999 to current year.

b Also occurred Jul 29-31 and Sep 5-29, 1956, and many days in 2002.

c Maximum daily discharge.

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR, CO

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

DRAINAGE AREA.--40 mi², approximately.

PERIOD OF RECORD.--May 1952 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08245000

GAGE.--Water-stage recorder with satellite telemetry, and concrete control. Datum of gage is 9,866.60 ft above NGVD of 1929, (levels by U.S. Bureau of Reclamation).

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow completely regulated by Platoro Reservoir (station 08244500) 0.2 mi upstream since Nov. 7, 1951.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 5, 1911, is the greatest since at least 1854, from information obtained from local residents in 1959.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	13	e8.5	e8.7	e8.5	e8.3	e45	89	192	279	45	46
2	42	24	e8.5	e8.7	e8.5	e8.2	e58	83	248	235	56	45
3	49	42	e8.5	e8.7	e8.4	e8.2	e58	81	362	175	69	38
4	62	48	e8.5	e8.7	e8.4	e8.2	e58	107	491	132	67	34
5	60	24	e8.5	e8.7	e8.4	e8.2	66	191	576	158	50	88
6	46	e7.9	e8.6	e8.6	e8.4	e8.2	68	251	553	180	56	120
7	42	e7.0	e8.6	e8.6	e8.4	e8.2	41	314	462	152	75	72
8	32	e7.0	e8.6	e8.6	e8.4	e8.2	29	344	461	133	104	32
9	31	e7.0	e8.6	e8.6	e8.4	e8.2	35	342	487	123	98	34
10	27	e7.0	e8.6	e8.6	e8.4	e8.2	49	384	400	126	67	41
11	24	e7.0	e8.6	e8.6	e8.4	e8.2	51	425	349	128	63	48
12	30	e7.0	e8.6	e8.6	e8.4	e8.2	33	415	201	128	73	52
13	28	e7.0	e8.6	e8.6	e8.4	e8.2	e23	282	238	128	62	41
14	26	e7.0	e8.6	e8.6	e8.4	e8.2	e23	155	328	128	46	36
15	19	e7.0	e8.6	e8.6	e8.4	e8.2	e37	127	322	127	50	39
16	13	e7.0	e8.6	e8.6	e8.4	e8.1	43	203	231	127	66	40
17	15	e7.0	e8.6	e8.6	e8.3	e8.1	40	307	147	121	74	41
18	15	e7.7	e8.6	e8.6	e8.3	e8.1	38	322	171	122	65	36
19	15	e8.5	e8.6	e8.6	e8.3	e8.1	38	323	233	128	59	44
20	19	e8.5	e8.7	e8.5	e8.3	e8.1	38	368	248	128	65	290
21	20	e8.5	e8.7	e8.5	e8.3	e8.1	38	378	261	127	73	567
22	16	e8.5	e8.7	e8.5	e8.3	e8.1	37	317	243	120	70	353
23	25	e8.5	e8.7	e8.5	e8.3	e8.1	37	247	187	104	59	79
24	34	e8.5	e8.7	e8.5	e8.3	e33	37	153	171	94	50	60
25	25	e8.5	e8.7	e8.5	e8.3	e84	38	105	179	112	42	108
26	16	e8.5	e8.7	e8.5	e8.3	e94	41	151	198	121	45	132
27	19	e8.5	e8.7	e8.5	e8.0	e94	41	184	204	96	46	81
28	22	e8.5	e8.7	e8.5	e8.3	e94	47	213	204	80	50	62
29	13	e8.5	e8.7	e8.5	e8.3	e94	68	321	225	99	50	120
30	12	e8.5	e8.7	e8.5	---	e59	94	366	255	95	50	124
31	18	---	e8.7	e8.5	---	e30	---	268	---	59	53	---
TOTAL	854	345.6	267.3	265.9	242.2	769.9	1,349	7,816	8,827	4,065	1,898	2,903
MEAN	27.5	11.5	8.62	8.58	8.35	24.8	45.0	252	294	131	61.2	96.8
MAX	62	48	8.7	8.7	8.5	94	94	425	576	279	104	567
MIN	12	7.0	8.5	8.5	8.0	8.1	23	81	147	59	42	32
AC-FT	1,690	685	530	527	480	1,530	2,680	15,500	17,510	8,060	3,760	5,760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	40.2	57.5	10.5	10.9	11.5	10.6	52.4	238	328	210	89.2	47.7
MAX	158	406	50.0	50.0	102	27.5	252	492	609	610	429	164
(WY)	(1958)	(1966)	(1986)	(1986)	(1983)	(1986)	(1995)	(1974)	(1982)	(1952)	(1952)	(1982)
MIN	1.92	2.00	2.00	3.20	3.00	3.00	3.00	16.9	87.0	18.6	3.90	3.34
(WY)	(1957)	(1957)	(1957)	(1991)	(1957)	(1957)	(1957)	(1958)	(1977)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	24,821.9		29,602.9			
ANNUAL MEAN	68.0		80.9		91.4	
HIGHEST ANNUAL MEAN					137	
LOWEST ANNUAL MEAN					34.8	
HIGHEST DAILY MEAN	593		576		1,150	
LOWEST DAILY MEAN	e6.0		e7.0		a0.00	
ANNUAL SEVEN-DAY MINIMUM	6.1		7.0		0.16	
MAXIMUM PEAK FLOW			621		1,160	
MAXIMUM PEAK STAGE			3.22		b4.02	
ANNUAL RUNOFF (AC-FT)	49,230		58,720		66,200	
10 PERCENT EXCEEDS	186		247		300	
50 PERCENT EXCEEDS	24		38		17	
90 PERCENT EXCEEDS	6.5		8.3		6.2	

e Estimated.

a Also occurred Oct 17-20, 1955.

b Maximum gage height, 4.29 ft, Jun 15, 1958.

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 upstream (south) from Colorado-New Mexico State line, 0.4 mi southeast of Ortiz, and 0.4 mi upstream from Los Pinos River.

DRAINAGE AREA.--110 mi², approximately.

PERIOD OF RECORD.--October 1919 to October 1920, October 1924 to September 1940 (seasonal records only), October 1940 to current year. Monthly discharge only for some periods, published in WSP 1312. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08247500

REVISED RECORDS.--WSP 1732: 1951. WSP 1923: 1927 (monthly discharge and runoff).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,970 ft above NGVD of 1929, from topographic map. Prior to Apr. 7, 1926, nonrecording gage at various locations near present site, at different datums. Apr. 7, 1926 to June 24, 1954, water-stage recorder on right bank at site 200 ft downstream at present datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation and return flows from irrigated areas. Statistical summary computed for 1941 to current year, subsequent to conversion of station to year-round records.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 5, 1911, is the greatest since at least 1854, from information obtained from local residents in 1959.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.9	e2.7	e2.0	e2.6	e3.3	75	113	8.7	3.0	0.66	0.00
2	1.1	2.1	e2.7	e2.1	e2.5	e3.5	98	104	7.9	1.7	0.39	0.00
3	2.3	3.2	e2.4	e2.0	e2.6	e3.7	95	137	7.3	0.90	0.20	0.00
4	8.3	6.5	e2.4	e1.8	e2.7	e4.0	79	177	6.7	0.48	0.13	0.00
5	4.7	3.5	e2.5	e1.6	e2.6	e3.7	69	187	5.8	0.18	0.07	0.00
6	3.1	2.7	e2.6	e1.6	e2.5	e4.0	77	187	4.7	0.10	0.01	0.00
7	2.6	2.5	e2.7	e1.9	e2.6	e6.0	79	182	3.8	0.06	0.00	0.00
8	2.5	2.8	e2.6	e2.1	e2.7	e9.0	86	164	3.4	0.01	0.00	0.00
9	2.4	3.0	e2.1	e2.1	e2.6	e13	92	135	2.9	0.00	0.00	0.00
10	2.2	2.5	e2.2	e2.1	e2.6	e18	84	121	2.7	0.00	0.00	0.00
11	2.1	2.5	e2.2	e2.1	e2.6	e22	74	107	2.6	0.00	0.00	0.00
12	2.2	2.8	e2.3	e2.1	e2.4	e27	73	95	2.5	0.00	0.00	0.00
13	2.1	3.7	e2.0	e2.1	e2.4	e32	63	79	2.2	0.00	0.00	0.00
14	1.9	3.2	e2.2	e2.1	e2.6	e37	64	66	2.0	0.00	0.00	0.00
15	1.9	e3.4	e2.0	e2.3	e2.7	e42	71	57	1.7	0.00	0.00	0.00
16	1.9	e3.4	e1.8	e2.5	e2.7	e47	82	52	1.5	0.00	0.00	0.00
17	2.0	e4.2	e2.0	e2.4	e2.9	e54	95	47	1.3	0.00	0.00	0.00
18	2.1	e3.2	e2.2	e2.2	e3.0	62	110	42	1.2	0.00	0.57	0.00
19	2.1	e2.4	e2.2	e2.1	e3.1	79	98	38	1.0	0.00	0.32	0.00
20	2.1	e3.2	e2.3	e2.3	e3.0	84	97	35	0.80	0.00	0.22	0.00
21	2.0	e3.2	e2.2	e2.1	e3.0	76	99	31	0.57	0.00	0.16	0.00
22	2.0	e2.9	e2.0	e2.1	e2.9	84	90	27	0.36	0.00	0.13	0.00
23	2.0	e2.4	e1.9	e2.2	e3.1	81	81	24	0.26	0.00	0.05	0.00
24	2.0	e2.4	e1.9	e2.5	e3.1	88	75	22	0.18	0.00	0.00	0.00
25	2.0	e2.9	e2.0	e2.5	e3.1	104	84	18	0.12	0.00	0.00	0.00
26	2.1	e2.6	e2.1	e1.9	e3.3	102	67	16	0.09	0.81	0.00	0.00
27	1.9	e2.3	e1.8	e2.0	e3.7	99	76	14	0.09	1.2	0.00	0.00
28	2.2	e2.4	e1.6	e2.3	e3.4	63	117	12	0.12	0.82	0.00	0.00
29	2.5	e2.6	e1.7	e2.4	e3.2	50	148	10	0.49	0.56	0.00	0.00
30	2.2	e2.7	e1.8	e2.5	---	51	150	9.9	2.3	0.77	0.00	0.00
31	2.0	---	e1.9	e2.7	---	59	---	9.9	---	0.83	0.00	---
TOTAL	73.7	89.1	67.0	66.7	82.2	1,411.2	2,648	2,318.8	75.28	11.42	2.91	0.00
MEAN	2.38	2.97	2.16	2.15	2.83	45.5	88.3	74.8	2.51	0.37	0.09	0.00
MAX	8.3	6.5	2.7	2.7	3.7	104	150	187	8.7	3.0	0.66	0.00
MIN	1.1	1.9	1.6	1.6	2.4	3.3	63	9.9	0.09	0.00	0.00	0.00
AC-FT	146	177	133	132	163	2,800	5,250	4,600	149	23	5.8	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)																																								
	2.96	12.0	(1987)	0.00	(1952)	3.91	13.8	(1987)	1.04	(1956)	2.68	8.12	(1967)	0.48	(1977)	2.31	6.00	(1965)	0.00	(1977)	3.72	13.0	(1962)	0.25	(1990)	17.9	70.6	(1997)	2.50	(1948)	99.2	302	(1962)	8.15	(2002)	142	508	(1941)	0.91	(2002)	16.2	108	(1957)	0.00	(1940)	1.91	12.0	(1957)	0.00	(1951)	2.79	17.7	(1957)	0.00	(1951)	1.31	5.60	(2003)	0.00	(1951)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	5,514.72		6,846.31			
ANNUAL MEAN	15.1		18.7		25.0	
HIGHEST ANNUAL MEAN					61.8	
LOWEST ANNUAL MEAN					2.36	
HIGHEST DAILY MEAN	223	Apr 29	187	May 5	1,050	May 13, 1941
LOWEST DAILY MEAN	0.00	Jul 1	0.00	Jul 9	a0.00	Jun 24, 1940
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 1	0.00	Jul 9	b0.00	Jun 24, 1940
MAXIMUM PEAK FLOW			239	May 6	c1,380	May 13, 1941
MAXIMUM PEAK STAGE			3.17	May 6	c4.75	May 13, 1941
ANNUAL RUNOFF (AC-FT)	10,940		13,580		18,090	
10 PERCENT EXCEEDS	55		80		63	
50 PERCENT EXCEEDS	2.7		2.3		3.0	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated.

a Also occurred Jun 25 to Aug 7, and Aug 19-23, 1940, and on many days during many years.

b Also occurred for periods during many years.

c From rating curve extended above 1,100 ft³/s. Maximum discharge and gage height for period of record, 1,750 ft³/s, Apr 15, 1937, gage height, 5.38 ft, from rating curve extended above 1,100 ft³/s.

08248000 LOS PINOS RIVER NEAR ORTIZ, CO

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

DRAINAGE AREA.--167 mi².

PERIOD OF RECORD.--January 1915 to December 1920, October 1924 to current year. Monthly discharge only for some periods, published in WSP 1312. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08248000

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,040 ft above NGVD of 1929, from topographic map. Prior to Apr. 15, 1955, at site 350 ft upstream at datum 2.52 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation and return flows from irrigated areas.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 5, 1911, is the greatest since at least 1854, from information obtained from local residents in 1959.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	13	e20	e16	e15	e18	209	316	230	46	27	9.3
2	17	18	e19	e17	e14	e19	235	340	226	36	26	7.6
3	27	29	e17	e15	e15	e20	238	453	231	31	25	7.3
4	26	22	e17	e13	e16	e22	200	581	236	27	25	10
5	22	17	e18	e11	e15	e19	176	637	239	25	22	21
6	20	17	e19	e11	e14	e21	178	707	226	24	22	16
7	20	19	e20	e13	e15	e24	187	795	214	23	22	13
8	19	21	e19	e15	e16	e28	198	819	199	22	21	12
9	19	18	e16	e14	e15	e32	194	761	178	22	19	12
10	18	18	e17	e14	e15	e36	186	765	e162	20	18	11
11	19	18	e17	e14	e15	e39	175	766	e147	20	17	11
12	19	17	e17	e14	e13	e42	162	709	e131	20	18	10
13	17	25	e16	e14	e13	e45	151	560	e115	19	17	10
14	16	20	e18	e14	e15	e48	164	483	e101	18	18	10
15	16	20	e17	e15	e16	e51	181	466	90	18	17	9.6
16	16	25	e15	e16	e16	56	213	476	86	18	16	9.2
17	16	24	e16	e15	e18	60	249	489	78	21	15	9.2
18	16	15	e17	e14	e19	69	277	472	72	21	15	8.6
19	16	e19	e17	e13	e20	77	254	481	66	23	15	10
20	16	e19	e18	e14	e19	89	256	485	60	29	15	52
21	15	e20	e18	e13	e19	111	269	485	53	33	17	30
22	15	e16	e17	e12	e18	146	244	459	51	24	17	30
23	15	e13	e16	e12	e19	175	225	409	51	24	15	25
24	14	e13	e16	e13	e19	225	204	356	48	42	13	22
25	14	e19	e17	e13	e19	272	199	316	45	34	12	21
26	12	e17	e18	e11	e20	282	187	285	45	36	11	23
27	14	e15	e15	e11	e22	258	229	274	47	39	11	21
28	15	e15	e13	e14	e19	195	325	280	42	39	10	20
29	14	e17	e14	e15	e17	165	384	301	47	53	9.8	25
30	14	e19	e15	e16	---	160	380	270	58	42	9.6	27
31	13	---	e15	e16	---	174	---	238	---	32	9.5	---
TOTAL	526	558	524	428	486	2,978	6,729	15,234	3,574	881	524.9	502.8
MEAN	17.0	18.6	16.9	13.8	16.8	96.1	224	491	119	28.4	16.9	16.8
MAX	27	29	20	17	22	282	384	819	239	53	27	52
MIN	12	13	13	11	13	18	151	238	42	18	9.5	7.3
AC-FT	1,040	1,110	1,040	849	964	5,910	13,350	30,220	7,090	1,750	1,040	997

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)

	26.9	21.7	16.1	14.5	17.0	34.9	221	601	321	71.0	34.6	24.6
MEAN	26.9	21.7	16.1	14.5	17.0	34.9	221	601	321	71.0	34.6	24.6
MAX	109	70.1	34.4	26.0	30.0	96.1	610	1,341	1,022	258	112	101
(WY)	(1987)	(1987)	(1987)	(1987)	(1962)	(2004)	(1936)	(1952)	(1957)	(1957)	(1929)	(1927)
MIN	10.1	11.1	5.00	5.00	7.50	13.9	65.9	33.8	8.22	5.17	3.75	7.53
(WY)	(1957)	(1957)	(1918)	(1918)	(1964)	(1977)	(1968)	(2002)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004	
ANNUAL TOTAL	24,854.0		32,945.7			
ANNUAL MEAN	68.1		90.0		117	
HIGHEST ANNUAL MEAN					230	
LOWEST ANNUAL MEAN					18.0	
HIGHEST DAILY MEAN	531	May 18	819	May 8	2,410	May 13, 1941
LOWEST DAILY MEAN	6.7	Aug 20	7.3	Sep 3	1.7	Aug 27, 2002
ANNUAL SEVEN-DAY MINIMUM	7.4	Aug 15	9.0	Aug 28	2.3	Aug 25, 2002
MAXIMUM PEAK FLOW			1,040	May 7	a3,160	May 12, 1941
MAXIMUM PEAK STAGE			5.26	May 7	b5.77	May 12, 1941
ANNUAL RUNOFF (AC-FT)	49,300		65,350		85,070	
10 PERCENT EXCEEDS	252		269		372	
50 PERCENT EXCEEDS	18		20		25	
90 PERCENT EXCEEDS	11		13		12	

e Estimated.

a Site and datum then in use, from rating curve extended above 1,600 ft³/s.

b Maximum gage height, 6.19 ft, May 22, 1993, present site and datum.

08249000 CONEJOS RIVER NEAR LASAUSES, CO

LOCATION.--Lat 37°18'01", long 105°44'47", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, and SE $\frac{1}{4}$ NE $\frac{1}{4}$ 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 Highway 158, 1.0 mi upstream from mouth, 2.1 mi north of Lasauses, and 13 mi southeast of Alamosa.

DRAINAGE AREA.--887 mi².

PERIOD OF RECORD.--March 1921 to current year. Monthly discharge only for some periods, published in WSP 1312. Prior to October 1, 1966, published as "at mouth, near La Sauses" or "near La Sauses." For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08249000

REVISED RECORDS.--WSP 1312: 1932 (monthly discharge and runoff), 1934(M).

GAGE.--Two water-stage recorders with satellite telemetry. Datum of gage on main (north) channel is 7,495.02 ft above NGVD of 1929, and on secondary (south) channel is 7,496.89 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation). Main channel: April 11 to September 30, 1937, at datum 1.00 ft higher. See WSP 1312 and 1732 for history of changes prior to Apr. 11, 1937. South channel: May 4, 1936, to Oct. 13, 1965, at site 280 ft downstream at datum 1.00 ft lower. See WSP 1312 and 1732 for history of changes prior to May 4, 1936.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation, ground-water withdrawals, and return flows from irrigated areas. Flows regulated to some extent by Platoro Reservoir (station 08244500) about 83 mi upstream since Nov. 7, 1951.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 5, 1911, is the greatest since at least 1854, from information obtained from local residents in 1959.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	e22	e42	e76	359	334	117	112	23	0.00
2	0.00	0.00	0.00	e25	e35	e74	355	235	103	56	14	0.00
3	0.00	0.00	0.00	e24	e37	e72	412	226	162	46	12	0.00
4	0.00	0.00	0.00	e22	e39	e87	414	347	352	52	17	0.00
5	0.00	0.00	0.00	e19	e34	e82	351	385	350	42	24	0.00
6	0.00	0.00	0.00	e20	e26	e75	257	418	504	42	17	0.00
7	0.00	0.00	0.00	e30	e24	e80	233	489	395	38	3.3	0.00
8	0.00	0.00	0.00	e40	e27	e86	224	551	229	34	6.8	0.00
9	0.00	0.00	0.00	e45	e22	e98	189	540	129	26	5.2	0.00
10	0.00	0.00	0.00	e44	e20	e119	153	414	115	24	4.5	0.00
11	0.00	0.00	0.00	e42	e21	e141	147	362	97	19	3.8	0.00
12	0.00	0.00	0.00	e43	e21	e163	137	372	78	15	3.8	0.00
13	0.00	0.00	0.00	e41	e17	e192	96	373	80	22	3.6	0.00
14	0.00	0.00	0.00	e38	e17	e209	85	283	52	24	3.5	0.00
15	0.00	0.00	0.00	e45	e18	e238	140	225	148	25	3.6	0.00
16	0.00	0.00	0.00	e58	e18	e262	157	238	198	25	3.3	0.00
17	0.00	0.00	0.00	e51	e18	235	213	294	117	28	0.65	0.00
18	0.00	0.00	6.5	e53	e18	236	269	502	69	24	0.42	0.00
19	0.00	0.00	26	e55	e18	261	251	641	63	23	0.59	0.00
20	0.00	0.00	17	e63	e19	311	213	645	59	22	0.65	0.00
21	0.00	0.00	18	e58	e24	345	217	418	43	36	0.47	0.00
22	0.00	0.00	e17	e53	e29	388	192	345	61	52	0.52	0.00
23	0.00	0.00	e16	e48	e34	459	166	274	88	20	0.59	0.00
24	0.00	0.00	e15	e48	e39	512	222	191	57	18	0.20	0.00
25	0.00	0.00	e17	e50	e43	601	188	157	44	58	0.05	0.00
26	0.00	0.00	e20	e37	e45	702	170	181	58	29	0.00	0.00
27	0.00	0.00	e18	e39	e57	723	139	188	57	22	0.00	0.00
28	0.00	0.00	e16	e43	e72	651	183	203	61	24	0.00	0.00
29	0.00	0.00	e16	e44	e75	516	299	251	61	28	0.00	0.00
30	0.00	0.00	e18	e47	---	449	410	261	62	24	0.00	0.00
31	0.00	---	e19	49	---	411	---	169	---	28	0.00	---
TOTAL	0.00	0.00	239.50	1,296	909	8,854	6,841	10,512	4,009	1,038	152.54	0.00
MEAN	0.00	0.00	7.73	41.8	31.3	286	228	339	134	33.5	4.92	0.00
MAX	0.00	0.00	26	63	75	723	414	645	504	112	24	0.00
MIN	0.00	0.00	0.00	19	17	72	85	157	43	15	0.00	0.00
AC-FT	0.00	0.00	475	2,570	1,800	17,560	13,570	20,850	7,950	2,060	303	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2004, BY WATER YEAR (WY)

	46.0	79.1	57.4	60.7	76.9	104	239	687	540	139	48.6	37.3
MEAN	46.0	79.1	57.4	60.7	76.9	104	239	687	540	139	48.6	37.3
MAX	307	424	140	146	186	286	1,177	2,642	1,850	1,132	413	425
(WY)	(1942)	(1976)	(1986)	(1986)	(1983)	(2004)	(1924)	(1924)	(1935)	(1957)	(1952)	(1927)
MIN	0.00	0.00	7.73	24.0	21.8	7.66	1.47	0.26	0.00	0.00	0.00	0.00
(WY)	(2003)	(2004)	(2004)	(1964)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(1934)	(1976)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1921 - 2004

ANNUAL TOTAL	2,629.22		33,851.04			
ANNUAL MEAN	7.20		92.5		176	
HIGHEST ANNUAL MEAN					451	
LOWEST ANNUAL MEAN					8.06	
HIGHEST DAILY MEAN	83	May 23	723	Mar 27	3,820	May 15, 1941
LOWEST DAILY MEAN	0.00	Jul 12	0.00	Oct 1	a0.00	Jun 27, 1934
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 12	0.00	Oct 1	b0.00	Jul 21, 1934
MAXIMUM PEAK FLOW			Not determined		c3,890	
ANNUAL RUNOFF (AC-FT)	5,220		67,140		127,600	
10 PERCENT EXCEEDS	26		337		489	
50 PERCENT EXCEEDS	1.0		24		54	
90 PERCENT EXCEEDS	0.00		0.00		0.98	

e Estimated.

a Also occurred Jun 28 to Jul 1, Jul 3, and Jul 21 to Sep 8, and many days during many years.

b Also occurred during many years.

c Gage height not determined.

08250000 CULEBRA CREEK AT SAN LUIS, CO

LOCATION.--Lat 37°11'01", long 105°25'31", Costilla County, Hydrologic Unit 13010002, on left bank at bridge 1 mi south of San Luis, and 1 mi upstream from the Rito Seco.

DRAINAGE AREA.--220 mi².

PERIOD OF RECORD.--April 1927 to September 1982. October 1998 to current year. Monthly discharge only for some periods, published in WSP 1312. Records for January 1910 to December 1911, published as Culebra River at San Luis in WSP 288 and 308, have been found to be unreliable and should not be used. October 1982 to September 1998, in reports of State Engineer. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08250000

REVISED RECORDS.--WSP 1312: 1940. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Non-standard Parshall flume since May 23, 1931. Elevation of gage is 8,000 ft above NGVD of 1929, from topographic map. Prior to May 23, 1931, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoir, diversions for irrigation, ground-water withdrawals, and return flows from irrigated areas. Flow regulated to large extent by Sanchez Reservoir on Ventero Creek, capacity 103,000 acre-ft.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	17	19	14	15	18	17	23	68	57	43	73
2	25	17	19	15	14	19	18	19	76	45	42	72
3	33	18	17	16	16	19	21	17	99	44	58	71
4	32	19	16	14	16	20	20	17	109	82	71	73
5	29	20	16	13	16	20	19	16	116	82	72	66
6	28	20	17	13	14	19	17	16	119	79	59	45
7	27	22	17	14	e14	20	16	15	117	76	46	47
8	27	22	18	14	17	24	20	17	114	74	45	46
9	26	21	16	14	e15	36	21	17	119	104	63	47
10	26	21	15	14	e14	46	23	46	123	121	90	43
11	25	20	15	14	e14	48	23	62	111	119	97	31
12	25	20	15	15	e13	42	20	61	104	119	95	32
13	25	24	14	15	e12	36	16	66	100	118	94	32
14	24	26	16	15	e13	33	15	72	97	118	95	31
15	23	24	15	14	e14	29	13	70	93	101	83	31
16	23	21	14	15	e14	25	13	71	92	79	57	31
17	23	20	15	15	e15	25	13	86	90	78	76	37
18	21	20	15	15	e16	25	13	104	81	72	77	42
19	20	20	15	15	17	25	13	116	54	59	82	46
20	19	19	16	15	17	25	13	116	47	63	81	36
21	19	19	16	15	17	24	13	100	47	63	58	16
22	19	19	16	16	17	23	13	79	49	68	53	17
23	20	17	14	14	17	23	19	78	56	67	52	16
24	21	18	15	16	18	23	18	85	73	60	62	29
25	22	19	16	15	18	22	17	96	75	56	67	47
26	21	19	17	e14	18	21	16	111	82	53	74	48
27	22	17	14	e13	18	21	15	117	84	48	74	49
28	21	16	14	e13	18	19	15	121	77	35	75	37
29	21	17	11	e15	18	19	15	124	83	37	75	19
30	19	18	12	e15	---	19	24	121	75	39	75	19
31	18	---	14	16	---	18	---	107	---	39	74	---
TOTAL	724	590	479	451	455	786	509	2,166	2,630	2,255	2,165	1,229
MEAN	23.4	19.7	15.5	14.5	15.7	25.4	17.0	69.9	87.7	72.7	69.8	41.0
MAX	33	26	19	16	18	48	24	124	123	121	97	73
MIN	18	16	11	13	12	18	13	15	47	35	42	16
AC-FT	1,440	1,170	950	895	902	1,560	1,010	4,300	5,220	4,470	4,290	2,440

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

MEAN	22.2	21.4	18.4	18.1	18.6	19.5	18.6	53.9	132	108	80.3	32.6
MAX	36.7	51.4	39.1	32.2	32.6	36.2	48.3	137	303	231	184	69.2
(WY)	(1942)	(1958)	(1958)	(1942)	(1942)	(1942)	(1942)	(1930)	(1942)	(1942)	(1949)	(1945)
MIN	6.00	6.63	6.64	7.03	6.70	7.42	7.79	11.7	40.1	30.4	27.3	9.49
(WY)	(1951)	(1951)	(1952)	(1951)	(1951)	(1951)	(1951)	(1955)	(1963)	(1977)	(1976)	(1972)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	(a)WATER YEARS 1927 - 2004
ANNUAL TOTAL	11,605.8	14,439	
ANNUAL MEAN	31.8	39.5	
HIGHEST ANNUAL MEAN			45.3
LOWEST ANNUAL MEAN			18.2
HIGHEST DAILY MEAN	116	Jun 1	479
LOWEST DAILY MEAN	8.9	Feb 9	4.6
ANNUAL SEVEN-DAY MINIMUM	10	Feb 4	5.0
MAXIMUM PEAK FLOW		133	Apr 15
MAXIMUM PEAK STAGE		1.61	Jun 10
ANNUAL RUNOFF (AC-FT)	23,020	28,640	32,810
10 PERCENT EXCEEDS	71	91	114
50 PERCENT EXCEEDS	20	22	25
90 PERCENT EXCEEDS	11	14	11

e Estimated.

a Water years 1927-1982 and 1999 to current year.

b From rating curve extended above 300 ft³/s.

08251500 RIO GRANDE NEAR LOBATOS, CO

LOCATION.--Lat 37°04'43", long 105°45'23", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.

DRAINAGE AREA.--7,700 mi², approximately, includes 2,940 mi² in closed basin in northern part of San Luis Valley, CO.

PERIOD OF RECORD.--July 1899 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "at Cenicero" 1899-1901, and as "near Cenicero" 1902-4. Statistical summary computed for 1931 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=08251500

REVISED RECORDS.-- WSP 210: Drainage area. WSP 1312: 1919 (monthly discharge and runoff). WDR CO-78-1: 1976.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,427.63 ft above NGVD of 1929. Prior to Nov. 8, 1910, nonrecording gages at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, transmountain diversions, diversions for irrigation and municipal use, ground-water withdrawals, return flows from irrigated areas, and flows from sewage-treatment plants.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage of June 18, 1903, is greatest since at least 1828.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	26	e230	e150	e195	e245	807	567	561	339	117	14
2	12	30	e205	e160	e200	e260	640	504	452	401	105	13
3	14	34	e205	e170	e200	e260	586	420	499	302	85	8.4
4	17	33	e195	e175	e200	e265	617	468	688	243	80	7.9
5	18	36	e190	e180	e205	e275	568	570	862	241	71	17
6	16	41	e200	e190	e200	e275	447	601	945	229	69	17
7	15	47	e220	e180	e195	e285	356	712	784	209	55	16
8	30	41	e220	e170	e190	e305	334	870	606	174	36	16
9	28	39	e180	e175	e190	e340	312	975	614	152	36	16
10	25	39	e145	e185	e185	e400	274	918	593	142	32	15
11	20	39	e160	e195	e190	e460	249	849	525	137	34	13
12	20	38	e125	e200	e155	e525	241	810	482	130	27	15
13	19	40	e160	e200	e180	e526	211	847	519	137	25	15
14	16	39	e180	e200	e195	551	168	764	468	139	24	14
15	16	41	e145	e200	e190	590	179	638	437	140	24	12
16	15	42	e165	e200	e185	617	210	612	557	127	28	11
17	15	51	e185	e205	e185	618	244	586	581	115	31	12
18	16	116	e180	e210	e190	598	316	797	490	110	29	13
19	16	204	e170	e215	e195	604	362	1,090	384	114	29	15
20	17	218	e175	e215	e195	647	333	1,180	425	126	22	18
21	18	219	e180	e185	e200	726	324	1,030	401	134	19	17
22	19	e220	e175	e225	e205	804	317	838	366	143	18	18
23	19	e220	e170	e205	e205	932	303	810	384	132	19	46
24	18	e160	e180	e190	e215	1,030	342	694	384	115	17	50
25	17	e230	e190	e200	e225	1,150	398	568	315	117	16	26
26	17	e200	e165	e185	e230	1,290	357	622	303	152	16	20
27	19	e200	e130	e185	e235	1,360	295	699	304	136	15	18
28	19	e175	e155	e195	e245	1,380	298	646	299	105	15	17
29	18	e140	e160	e195	e245	1,240	396	670	291	117	15	19
30	18	e190	e155	e195	---	1,080	531	721	287	111	15	20
31	17	---	e150	e200	---	956	---	704	---	99	14	---
TOTAL	555	3,148	5,445	5,935	5,825	20,594	11,015	22,780	14,806	5,068	1,138	529.3
MEAN	17.9	105	176	191	201	664	367	735	494	163	36.7	17.6
MAX	30	230	230	225	245	1,380	807	1,180	945	401	117	50
MIN	11	26	125	150	155	245	168	420	287	99	14	7.9
AC-FT	1,100	6,240	10,800	11,770	11,550	40,850	21,850	45,180	29,370	10,050	2,260	1,050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

MEAN	182	307	281	262	312	417	503	1,078	1,190	423	165	131
MAX	1,401	1,199	763	521	595	884	2,326	4,958	4,470	2,754	1,281	938
(WY)	(1942)	(1942)	(1942)	(1986)	(1986)	(1987)	(1985)	(1987)	(1941)	(1995)	(1999)	(1999)
MIN	12.9	59.6	61.7	75.7	102	66.0	32.3	31.2	19.8	1.28	3.21	1.91
(WY)	(1957)	(1955)	(1964)	(1957)	(1957)	(1957)	(1935)	(2002)	(1977)	(1951)	(1956)	(1956)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1931 - 2004

ANNUAL TOTAL	37,215.7	96,838.3	
ANNUAL MEAN	102	265	a437
HIGHEST ANNUAL MEAN			1,264
LOWEST ANNUAL MEAN			70.9
HIGHEST DAILY MEAN	279	Jun 10	1,380
LOWEST DAILY MEAN	5.8	Aug 22	7.9
ANNUAL SEVEN-DAY MINIMUM	8.6	Aug 20	12
MAXIMUM PEAK FLOW			1,420
MAXIMUM PEAK STAGE			f2.91
ANNUAL RUNOFF (AC-FT)	73,820	192,100	316,900
10 PERCENT EXCEEDS	205	646	943
50 PERCENT EXCEEDS	83	190	238
90 PERCENT EXCEEDS	14	17	37

e Estimated.

a Average discharge for 31 years (water years 1900-30), 846 ft³/s; 612,900 acre-ft/yr, includes period of extensive development for irrigation.

b Maximum daily discharge for period of record, 13,100 ft³/s, Jun 8, 1905.

c No flow at times in 1950-51, 1956.

d Maximum discharge for period of record, 13,200 ft³/s, Jun 8, 1905, gage height, 9.1 ft, from rating curve extended above 8,000 ft³/s.

f Maximum gage height, 3.01 ft, Mar 12, backwater from ice.

g Maximum gage height for period of record, 10.0 ft, Jun 18, 1903.

COLORADO RIVER MAIN STEM

09010500 COLORADO RIVER BELOW BAKER GULCH, NEAR GRAND LAKE, CO

LOCATION.--Lat 40°19'33", long 105°51'22", in NE¼NW¼ sec.12, T.4 N., R.76 W., Grand County, Hydrologic Unit 14010001, on left bank 500 ft downstream from Baker Gulch, 1.0 mi upstream from Bowen Gulch, and 5.5 mi northwest of town of Grand Lake.

DRAINAGE AREA.--53.4 mi².

PERIOD OF RECORD.--May 1953 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09010500

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,750 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharge, which are poor. Transmountain diversion upstream from station by Grand River Ditch (see elsewhere in this report).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	12	e14	e15	e15	e7.5	e36	37	85	129	44	e17
2	18	13	e14	e15	e14	e7.5	e40	36	90	100	49	e19
3	26	15	e14	e15	e13	e7.6	e38	46	107	86	44	e18
4	23	13	e14	e15	e12	e7.8	e37	67	122	79	39	e18
5	21	12	e14	e15	e12	e7.8	e40	95	127	79	36	e19
6	19	13	e14	e15	e12	e7.8	e42	139	151	78	35	e20
7	19	14	e14	e15	e11	e7.8	e45	157	170	66	33	e23
8	18	15	e14	e15	e11	e7.7	e46	160	180	61	31	e21
9	18	15	e14	e15	e9.3	e7.6	e45	151	174	57	28	e20
10	17	15	e14	e15	e9.2	e8.0	e41	157	174	56	26	19
11	19	15	e15	e15	e9.2	e8.2	e39	172	143	53	26	25
12	18	14	e15	e15	e9.2	e8.3	e38	152	122	49	26	20
13	17	16	e15	e15	e9.0	e8.5	e35	116	111	46	24	18
14	16	16	e15	e15	e8.8	e8.8	e34	94	103	50	23	21
15	16	14	e15	e15	e8.8	e8.8	e35	83	103	75	22	20
16	16	15	e15	e15	e8.7	e8.8	e37	77	105	78	21	18
17	16	14	e15	e15	e8.7	e8.8	e38	77	113	102	21	16
18	16	14	e15	e15	e8.3	e8.9	e46	82	126	82	64	15
19	15	15	e15	e15	e7.8	e9.2	e48	101	126	68	434	14
20	15	15	e15	e15	e7.7	e9.4	e49	124	111	68	118	18
21	14	e15	e15	e15	e7.5	e14	e47	142	118	80	114	27
22	14	e15	e15	e15	e7.5	e31	e45	140	101	74	44	28
23	13	e15	e15	e15	e7.5	e35	e43	129	85	82	38	25
24	13	e15	e15	e15	e7.2	e38	e41	161	79	86	e30	27
25	12	e14	e15	e15	e6.8	e41	e40	146	78	65	e24	32
26	10	e14	e15	e15	e6.4	e40	e41	126	89	59	e21	32
27	12	e14	e15	e15	e6.4	e38	e41	100	85	59	e21	30
28	13	e14	e15	e15	e6.4	e32	e43	110	84	57	e21	30
29	13	e14	e15	e15	e6.7	e29	41	117	88	57	e21	36
30	13	e14	e15	e15	---	e32	42	101	134	51	e19	53
31	12	---	e15	e15	---	e34	---	89	---	50	e16	---
TOTAL	499	429	455	465	267.1	528.8	1,233	3,484	3,484	2,182	1,513	699
MEAN	16.1	14.3	14.7	15.0	9.21	17.1	41.1	112	116	70.4	48.8	23.3
MAX	26	16	15	15	15	41	49	172	180	129	434	53
MIN	10	12	14	15	6.4	7.5	34	36	78	46	16	14
AC-FT	990	851	902	922	530	1,050	2,450	6,910	6,910	4,330	3,000	1,390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2004, BY WATER YEAR (WY)

	MEAN	23.6	15.1	9.98	8.10	7.19	7.87	27.8	170	310	111	34.2	26.7
MAX	(WY)	(1962)	(1962)	(1998)	(2004)	(1984)	(2004)	(1962)	(1996)	(1997)	(1983)	(1983)	(1997)
MIN	(WY)	(1957)	(2003)	(2003)	(2003)	(2003)	(2003)	(1991)	(1995)	(1954)	(2002)	(1954)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1953 - 2004
ANNUAL TOTAL	30,660.4	15,238.9	
ANNUAL MEAN	84.0	41.6	62.9
HIGHEST ANNUAL MEAN			109
LOWEST ANNUAL MEAN			26.3
HIGHEST DAILY MEAN	e800	434	916
LOWEST DAILY MEAN	e3.0	e6.4	a3.0
ANNUAL SEVEN-DAY MINIMUM	e3.2	e6.8	3.2
MAXIMUM PEAK FLOW		533	976
MAXIMUM PEAK STAGE		6.44	b7.19
ANNUAL RUNOFF (AC-FT)	60,810	30,230	45,560
10 PERCENT EXCEEDS	361	110	186
50 PERCENT EXCEEDS	17	19	18
90 PERCENT EXCEEDS	3.5	9.2	6.5

e Estimated.
a Also occurred Feb 16, 2003.
b Maximum gage height, 7.44 ft, Jun 1, 2003, backwater from debris.

09019500 COLORADO RIVER NEAR GRANBY, CO

LOCATION.--Lat 40°07'15", long 105°54'00", in SW¹/₄NW¹/₄ sec.22, T.2 N., R.76 W., Grand County, Hydrologic Unit 14010001, on right bank 0.3 mi upstream from bridge on U.S. Highway 34, 1.3 mi upstream from Willow Creek, and 3.2 mi northeast of Granby.

DRAINAGE AREA.--323 mi².

PERIOD OF RECORD.--October 1907 to September 1911 (published as Grand River near Granby), October 1933 to September 1953. May 1961 to current year (irrigation season only). Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09019500

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,960 ft above NGVD of 1929, from topographic map. June 10, 1908 to Sept. 30, 1911, and May 12 to June 10, 1934, nonrecording gage, at site 300 ft upstream at different datums. June 11, 1934 to Sept. 30, 1953, water-stage recorder at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Granby (station 09018500) since Sept. 13, 1949. Several diversions for irrigation of hay meadows upstream from station. Transmountain diversions upstream from station by Eureka and Grand River Ditches and Alva B. Adams Tunnel (see elsewhere in this report).

EXTREMES FOR PERIOD OF SEASONAL RECORD.--Maximum discharge, 2,520 ft³/s, June 22, 1996, 5.76 ft; minimum daily, 9.6 ft³/s, Sept. 21, 1981.

EXTREMES FOR PERIOD OF CONTINUOUS RECORD.--Maximum discharge observed, 4,100 ft³/s, June 20, 1909, gage height 5.5 ft site and datum then in use; minimum daily, 6.6 ft³/s, Jan. 29, 1950; minimum observed prior to starting construction of Shadow Mountain Lake, 20 ft³/s, Apr. 6, 1936 (discharge measurement).

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 82 ft³/s, July 21, gage height, 1.19 ft; minimum daily, 20 ft³/s, Sept. 2, 3, 16, 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	63	52	45	56	22
2	---	---	---	---	---	---	---	61	52	47	57	20
3	---	---	---	---	---	---	---	60	53	47	56	20
4	---	---	---	---	---	---	---	59	53	44	55	21
5	---	---	---	---	---	---	---	59	52	46	54	21
6	---	---	---	---	---	---	---	58	52	45	53	21
7	---	---	---	---	---	---	---	57	54	43	53	21
8	---	---	---	---	---	---	---	57	54	45	54	21
9	---	---	---	---	---	---	---	57	54	44	46	21
10	---	---	---	---	---	---	---	58	54	45	27	21
11	---	---	---	---	---	---	---	60	54	43	28	21
12	---	---	---	---	---	---	---	61	54	42	28	21
13	---	---	---	---	---	---	---	58	53	43	27	21
14	---	---	---	---	---	---	---	56	52	46	27	21
15	---	---	---	---	---	---	---	54	52	53	28	21
16	---	---	---	---	---	---	---	53	53	55	28	20
17	---	---	---	---	---	---	---	54	53	55	28	20
18	---	---	---	---	---	---	---	56	52	56	28	21
19	---	---	---	---	---	---	---	56	50	55	30	21
20	---	---	---	---	---	---	---	55	48	55	28	21
21	---	---	---	---	---	---	---	52	50	58	26	22
22	---	---	---	---	---	---	---	54	50	58	26	22
23	---	---	---	---	---	---	---	53	51	53	27	21
24	---	---	---	---	---	---	---	53	49	60	27	21
25	---	---	---	---	---	---	---	54	48	60	27	21
26	---	---	---	---	---	---	---	54	50	60	29	21
27	---	---	---	---	---	---	---	53	47	54	29	21
28	---	---	---	---	---	---	---	53	48	53	29	21
29	---	---	---	---	---	---	---	55	47	54	29	22
30	---	---	---	---	---	---	---	54	52	53	29	23
31	---	---	---	---	---	---	---	53	---	56	29	---
TOTAL	---	---	---	---	---	---	---	1,740	1,543	1,573	1,098	632
MEAN	---	---	---	---	---	---	---	56.1	51.4	50.7	35.4	21.1
MAX	---	---	---	---	---	---	---	63	54	60	57	23
MIN	---	---	---	---	---	---	---	52	47	42	26	20
AC-FT	---	---	---	---	---	---	---	3,450	3,060	3,120	2,180	1,250

09022000 FRASER RIVER AT UPPER STATION, NEAR WINTER PARK, CO

LOCATION.--Lat 39°50'45", long 105°45'05", in sec.26, T.2 S., R.75 W., Grand County, Hydrologic Unit 14010001, on left bank 0.8 mi upstream from Parsenn Creek, 2.5 mi south of Winter Park, and 7.8 mi southeast of Fraser.

DRAINAGE AREA.--10.5 mi².

PERIOD OF RECORD.--May to September 1908, July to November 1909 (published as "at upper station near Fraser"), October 1968 to September 1973, August 1984 to current year. January to September 1911, gage heights only (published as "near Fraser"). Records for August to December 1910, published in WSP 289 as "near Fraser" are unreliable and should not be used. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09022000

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 9,520 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1968, nonrecording gage at site 0.9 mi upstream at different datum. Since Oct. 1, 1968, supplementary water-stage recorder and Parshall flume on Berthoud Pass Ditch.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station through Berthoud Pass Ditch to West Fork Clear Creek Basin.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	5.5	3.3	e3.8	e3.5	e3.2	6.5	7.2	21	20	10	6.3
2	10	5.5	3.2	e3.8	e3.5	e3.0	6.2	8.1	21	19	11	6.2
3	10	5.6	3.2	e3.8	e3.5	e3.0	6.1	11	21	19	11	6.2
4	9.6	5.4	e3.3	e3.8	e3.5	e3.0	6.8	14	21	19	9.8	6.8
5	9.3	e5.7	e3.4	e3.8	e3.5	e2.8	7.1	17	24	18	10	7.0
6	9.1	6.0	3.4	e3.7	e3.5	e2.5	7.2	21	29	18	9.8	6.4
7	9.1	5.8	3.5	e3.7	e3.5	1.7	6.9	23	38	18	9.2	6.0
8	8.8	5.7	3.5	e3.6	e3.5	1.4	7.0	24	40	18	8.7	5.7
9	8.6	e5.7	e3.6	2.6	e3.5	e2.0	6.4	26	47	17	8.3	5.8
10	8.7	5.7	e3.8	3.2	e3.5	e2.0	5.2	30	42	17	8.2	6.1
11	8.7	5.4	4.0	e3.5	e3.5	e2.2	6.2	34	34	16	7.8	6.2
12	8.1	5.7	3.5	3.4	3.4	e2.5	5.2	28	28	16	7.5	5.8
13	7.9	5.5	3.4	2.3	3.0	2.9	5.9	23	27	15	7.7	6.0
14	e7.9	5.5	3.6	3.0	e3.3	e3.0	6.2	20	28	16	8.5	5.7
15	7.6	5.2	e3.8	e3.0	e3.5	2.8	6.8	19	29	16	8.3	5.3
16	7.4	e5.0	e4.0	e3.0	3.5	2.5	7.8	19	29	17	8.1	5.2
17	7.3	4.8	e4.0	e3.0	2.1	2.5	9.5	19	27	16	8.0	5.6
18	7.1	4.9	3.6	e3.0	e2.8	2.8	9.5	21	28	15	8.3	5.8
19	7.0	4.6	e3.6	e3.0	e3.0	2.9	8.3	26	27	16	9.4	6.5
20	6.9	5.4	e3.6	e3.3	e3.0	3.4	e5.8	33	27	16	8.5	5.9
21	6.8	5.5	e3.5	e3.3	e3.2	4.3	7.3	36	25	15	7.8	6.1
22	6.7	4.1	3.5	3.5	e3.4	5.2	6.6	33	23	15	7.4	5.4
23	6.6	4.4	e3.6	e3.5	e3.5	5.6	5.8	31	21	15	7.0	5.7
24	6.5	e4.4	e3.6	e3.5	e3.5	5.3	7.4	29	20	14	6.7	6.1
25	6.0	e4.2	e3.7	e3.5	e3.5	5.8	5.7	27	20	13	6.8	6.1
26	e6.4	e4.0	3.8	e3.5	e3.5	6.7	6.3	26	20	13	6.7	5.9
27	6.6	2.9	e3.8	e3.5	e3.5	6.0	7.5	25	20	13	7.1	5.6
28	6.4	0.99	e3.8	e3.5	e3.5	5.0	8.3	28	20	12	6.7	5.5
29	6.0	2.7	e3.8	e3.5	e3.5	8.4	8.7	26	19	12	6.3	5.7
30	5.8	3.3	e3.8	e3.5	---	6.8	7.8	22	20	11	6.2	6.5
31	5.4	---	e3.8	e3.5	---	6.1	---	22	---	11	6.2	---
TOTAL	238.2	145.09	112.0	104.6	97.2	117.3	208.0	728.3	796	486	253.0	179.1
MEAN	7.68	4.84	3.61	3.37	3.35	3.78	6.93	23.5	26.5	15.7	8.16	5.97
MAX	10	6.0	4.0	3.8	3.5	8.4	9.5	36	47	20	11	7.0
MIN	5.4	0.99	3.2	2.3	2.1	1.4	5.2	7.2	19	11	6.2	5.2
AC-FT	472	288	222	207	193	233	413	1,440	1,580	964	502	355

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004, BY WATER YEAR (WY)

	1985	2000	1998	2004	2004	2004	2004	2000	1997	1995	1999	2003
MEAN	5.74	4.04	3.04	2.40	2.11	2.19	4.48	27.6	66.8	27.4	11.9	7.95
MAX	9.66	5.75	5.11	3.37	3.35	3.78	6.93	50.6	124	74.6	21.3	13.4
(WY)	(1985)	(2000)	(1998)	(2004)	(2004)	(2004)	(2004)	(2000)	(1997)	(1995)	(1999)	(2003)
MIN	2.69	2.49	1.62	1.63	1.45	1.41	2.12	8.10	17.5	6.99	3.70	2.80
(WY)	(2003)	(2003)	(1995)	(1987)	(1987)	(1987)	(1973)	(1995)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004	
ANNUAL TOTAL	6,089.69		3,464.79			
ANNUAL MEAN	16.7		9.47		13.8	
HIGHEST ANNUAL MEAN					19.2	
LOWEST ANNUAL MEAN					5.83	
HIGHEST DAILY MEAN	220	Jun 1	47	Jun 9	a220	Jun 7, 1997
LOWEST DAILY MEAN	0.99	Nov 28	0.99	Nov 28	0.99	Nov 28, 2003
ANNUAL SEVEN-DAY MINIMUM	2.0	Jan 11	2.0	Mar 6	1.4	Feb 20, 1989
MAXIMUM PEAK FLOW			59		Jun 9	
MAXIMUM PEAK STAGE			1.53		Jun 9	
ANNUAL RUNOFF (AC-FT)	12,080		6,870		10,000	
10 PERCENT EXCEEDS	47		22		40	
50 PERCENT EXCEEDS	5.6		6.2		4.9	
90 PERCENT EXCEEDS	2.1		3.2		2.0	

e Estimated.

a Also occurred Jun 1, 2003.

b From rating curve extended above 140 ft³/s.

c Maximum gage height 2.26 ft, Jun 4, 1997, backwater from debris.

09024000 FRASER RIVER AT WINTER PARK, CO

LOCATION.--Lat 39°54'00", long 105°46'34", in SE¹/₄ sec.4, T.2 S., R.75 W., Grand County, Hydrologic Unit 14010001, on left bank 500 ft downstream from bridge on U.S. Highway 40, 1.4 mi south of Winter Park, 2.0 mi upstream from Vasquez Creek, 3.5 mi downstream from point of diversion for Moffat water tunnel, and 3.9 mi southeast of Fraser.

DRAINAGE AREA.--27.6 mi².

PERIOD OF RECORD.--September 1910 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Arrow" 1910-23, as "near West Portal" 1924-39, and as "near Winter Park" 1990-1992. Records since June 9, 1936, equivalent to earlier records if transmountain diversions are added to flow past station. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09024000

REVISED RECORDS.--WSP 929: Drainage area. WDR CO-89-2: 1988 (M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,906.23 ft above NGVD of 1929, Colorado State Highway Datum (levels by U.S. Geological Survey). Sept. 23, 1910 to May 12, 1916, nonrecording gage at trail bridge 0.6 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station through Berthoud Pass Ditch (see elsewhere in this report) and to Moffat water tunnel (not known since 1968).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	7.3	9.6	10	8.6	e9.8	7.4	6.0	8.8	8.0	9.6	9.7
2	4.7	7.4	9.7	10	8.7	e9.9	7.8	6.2	8.8	7.1	9.6	9.6
3	4.6	8.0	9.5	10	e8.7	e9.9	8.1	7.4	8.6	8.6	9.7	9.7
4	4.2	7.5	e9.5	10	8.6	e10	7.9	8.9	8.3	9.1	9.6	10
5	4.6	e7.6	e9.5	e10	e8.6	e10	8.8	9.3	8.0	9.4	9.9	11
6	4.3	7.7	9.4	e10	e8.8	e10	9.7	9.3	7.6	9.0	10	10
7	4.4	7.1	9.6	11	e8.9	e10	9.2	9.4	7.2	9.0	9.9	9.8
8	4.5	7.7	9.3	11	e8.9	e10	9.1	9.0	7.4	8.8	9.7	9.9
9	4.6	e7.7	9.5	11	e8.9	e10	8.9	9.2	9.2	8.8	9.5	9.7
10	4.3	8.3	e9.7	11	e9.0	e9.9	7.2	9.7	7.1	9.3	9.5	9.8
11	4.8	8.4	9.9	11	e9.2	e9.2	6.8	10	7.3	9.0	10	9.7
12	4.1	8.0	9.9	e11	e9.2	e9.1	6.8	10	7.5	9.1	9.8	9.7
13	4.4	8.2	9.6	e11	e9.3	e8.9	6.6	10	7.1	9.1	9.8	9.4
14	4.2	8.7	9.6	e10	e9.3	e8.8	7.1	9.5	6.6	8.8	9.7	9.4
15	4.0	8.3	9.7	10	e9.3	e8.8	7.6	9.2	6.6	9.4	9.5	7.2
16	4.7	8.4	e9.8	10	e9.0	e8.6	8.5	9.4	6.9	9.5	9.7	3.7
17	4.3	8.9	e10	e10	e9.0	e8.6	9.0	9.4	7.4	9.2	9.8	3.6
18	4.2	e8.8	e9.8	e9.8	e9.0	e8.6	8.7	9.7	7.5	9.1	10	3.5
19	4.4	e8.6	e10	e9.8	e9.1	e8.6	7.8	9.9	7.2	9.9	11	3.8
20	4.0	e8.6	9.8	9.8	e9.1	e8.6	7.6	10	6.7	9.8	9.9	3.7
21	4.4	e8.6	9.8	e9.8	e9.1	e8.6	7.4	9.9	8.2	9.2	9.5	3.8
22	4.6	e8.6	9.8	e9.8	e9.1	e8.4	7.0	9.6	7.4	9.2	9.6	3.8
23	4.6	e8.7	10	e9.7	e9.2	e8.4	6.9	9.3	6.4	9.8	9.6	3.5
24	e4.6	e8.9	10	9.5	e9.2	8.3	6.6	9.7	6.5	10	9.6	3.6
25	4.7	e9.0	10	9.3	e9.5	8.9	6.7	9.6	7.0	9.9	10	3.6
26	4.5	e9.1	10	9.7	e9.6	9.0	6.8	9.4	7.5	9.7	9.9	3.4
27	4.6	e9.3	10	9.5	e9.8	7.9	7.6	9.0	9.0	10	10	3.4
28	5.0	e9.4	10	9.5	e9.8	6.9	8.1	9.2	7.7	9.8	10	3.6
29	e6.0	e9.4	10	9.2	e9.8	7.3	8.0	9.9	7.0	9.9	9.7	4.0
30	e6.5	9.6	10	8.9	---	7.2	7.2	9.8	9.0	9.7	9.8	5.7
31	e7.6	---	10	8.6	---	7.3	---	9.3	---	9.7	9.8	---
TOTAL	144.8	251.8	303.0	309.9	264.3	275.5	232.9	286.2	227.5	286.9	303.7	201.3
MEAN	4.67	8.39	9.77	10.0	9.11	8.89	7.76	9.23	7.58	9.25	9.80	6.71
MAX	7.6	9.6	10	11	9.8	10	9.7	10	9.2	10	11	11
MIN	4.0	7.1	9.3	8.6	8.6	6.9	6.6	6.0	6.4	7.1	9.5	3.4
AC-FT	287	499	601	615	524	546	462	568	451	569	602	399

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	10.6	9.38	7.55	6.64	6.21	6.63	12.5	47.7	111	47.3	19.3	12.8
MAX	31.0	20.4	21.1	12.1	9.88	13.6	31.5	163	354	209	72.2	46.0
(WY)	(1914)	(1928)	(1928)	(1928)	(1938)	(1918)	(1925)	(1928)	(1918)	(1957)	(1929)	(1925)
MIN	2.93	2.72	2.83	2.92	3.11	3.58	5.05	7.42	5.76	4.92	3.37	2.57
(WY)	(1957)	(1965)	(1965)	(1967)	(1933)	(1990)	(1970)	(1954)	(1954)	(1954)	(1954)	(1966)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	5,743.3		3,087.8			
ANNUAL MEAN	a15.7		a8.44		a24.8	
HIGHEST ANNUAL MEAN					60.9	
LOWEST ANNUAL MEAN					5.93	
HIGHEST DAILY MEAN	230	Jun 1	11	Jan 7	622	Jun 14, 1918
LOWEST DAILY MEAN	4.0	Oct 15	3.4	Sep 26	b2.0	Mar 29, 1912
ANNUAL SEVEN-DAY MINIMUM	4.3	Oct 14	3.6	Sep 22	2.1	Oct 5, 1956
MAXIMUM PEAK FLOW			27	Jun 27	820	Jun 13, 1918
MAXIMUM PEAK STAGE			1.10	Jun 27	c2.90	Jun 13, 1918
ANNUAL RUNOFF (AC-FT)	a11,390		a6,120		a17,990	
10 PERCENT EXCEEDS	31		10		56	
50 PERCENT EXCEEDS	9.5		9.1		8.8	
90 PERCENT EXCEEDS	4.6		4.6		4.2	

e Estimated.

a Significantly affected by upstream diversions into the Moffat water tunnel.

b Also occurred Mar 30, Apr 9, 1912, and Jan 23, 1915.

c Maximum gage height, 2.95 ft, Jun 9, 1997.

09025000 VASQUEZ CREEK AT WINTER PARK, CO

LOCATION.--Lat 39°55'13", long 105°47'05", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, on right bank 30 ft downstream from bridge on U.S. Highway 40, 0.2 mi upstream from mouth, 2.5 mi southeast of Fraser, and 4.5 mi downstream from Moffat water tunnel diversion.

DRAINAGE AREA.--27.8 mi².

PERIOD OF RECORD.--June to August 1907, July to November 1909, October 1933 to current year. Monthly discharge only for some periods, published in WSP 1313. Records for June to October 1908, published in WSP 269, are unreliable and should not be used. Published as Vasquez River at lower station, near Fraser 1907-09, as "near West Portal" 1934-39, and as "near Winter Park" 1940-87. Records for May 26, 1937 to September 1959, equivalent to earlier records if diversion to Moffat water tunnel is added to flow past station. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09025000

REVISED RECORDS.--See PERIOD OF RECORD.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 8,768.48 ft above NGVD of 1929. June 1, 1907 to Oct. 31, 1909, nonrecording gage at site 0.8 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station to Moffat water tunnel not known since 1959.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	6.5	e6.4	e6.3	e6.1	6.9	7.0	6.5	4.8	7.2	9.3	8.8
2	7.6	6.8	e6.4	e6.3	e6.1	e6.5	7.2	5.8	4.4	5.1	9.3	8.6
3	6.9	6.9	e6.4	e6.3	e6.2	6.3	7.2	6.2	4.7	4.8	9.3	8.8
4	6.9	6.8	e6.5	e6.3	e6.3	6.0	7.3	7.0	4.8	4.8	9.3	9.3
5	6.9	9.2	e6.4	e6.3	e6.4	6.1	7.4	7.2	4.8	5.0	9.4	9.6
6	6.5	8.7	e6.4	e6.3	e6.4	6.1	7.6	7.2	4.8	5.2	9.3	9.3
7	6.4	8.3	e6.4	e6.3	e6.4	6.1	7.6	7.1	4.6	5.1	9.3	9.2
8	6.1	8.0	e6.4	e6.3	e6.5	5.8	7.5	7.2	3.7	5.4	9.3	9.3
9	6.1	7.1	e6.3	e6.3	e6.5	6.1	7.6	7.2	4.1	5.4	9.3	9.1
10	6.1	6.7	e6.3	e6.3	e6.5	6.0	7.3	7.2	4.1	5.5	9.0	8.8
11	6.5	7.0	e6.3	e6.3	e6.5	7.3	7.3	7.2	3.8	5.4	8.8	8.8
12	6.2	6.8	e6.3	e6.3	e6.5	7.6	7.3	7.6	3.6	5.4	8.8	8.8
13	6.1	7.2	e6.3	e6.3	e6.5	7.1	7.2	7.6	3.8	5.4	9.1	8.8
14	5.9	6.6	e6.3	e6.3	e6.5	7.8	7.2	6.6	3.7	5.5	9.3	8.8
15	5.8	6.5	e6.3	e6.3	e6.5	6.3	7.2	7.0	3.5	6.1	9.0	8.7
16	5.9	e6.5	e6.3	e6.3	e6.5	7.2	7.4	6.7	3.2	6.1	8.8	4.4
17	6.5	e6.5	e6.3	e6.3	e6.6	5.9	7.6	6.3	3.7	6.2	8.9	3.5
18	6.0	e6.6	e6.3	e6.3	e6.6	6.4	7.6	5.0	4.1	5.8	9.0	3.5
19	6.1	e6.6	e6.3	e6.3	e6.6	7.0	7.6	5.2	4.5	5.6	9.3	3.6
20	6.2	e6.6	e6.3	e6.3	e6.6	7.1	7.5	5.3	4.5	6.1	9.0	4.3
21	6.0	e6.6	e6.3	e6.3	e6.7	7.1	7.5	5.1	5.1	5.9	8.8	4.2
22	6.1	e6.6	e6.3	e6.3	e6.7	7.3	7.3	5.1	5.3	5.4	8.8	4.3
23	6.1	e6.6	e6.3	e6.3	e6.7	7.3	7.2	5.0	4.9	6.0	8.8	4.4
24	6.5	e6.6	e6.3	e6.3	e6.7	7.3	7.2	4.8	4.4	9.9	8.8	3.8
25	6.8	e6.6	e6.3	e6.3	7.1	7.3	7.6	4.5	4.0	9.5	8.8	3.6
26	8.4	e6.5	e6.3	e6.3	6.6	7.4	7.7	4.5	4.3	9.4	8.8	3.8
27	7.5	e6.5	e6.3	e6.2	6.5	7.3	7.8	4.2	5.1	9.3	8.8	3.9
28	6.9	e6.5	e6.3	e6.2	6.9	7.3	8.1	4.1	5.3	9.3	8.8	4.1
29	6.8	e6.5	e6.3	e6.2	7.3	8.2	8.4	4.2	5.1	9.3	8.8	4.3
30	6.6	e6.4	e6.3	e6.2	---	7.7	8.3	4.7	6.4	9.3	8.6	4.9
31	6.5	---	e6.3	e6.0	---	7.1	---	4.8	---	9.3	8.6	---
TOTAL	212.9	207.3	196.2	194.6	190.0	212.9	224.7	184.1	133.1	203.7	279.2	195.3
MEAN	6.87	6.91	6.33	6.28	6.55	6.87	7.49	5.94	4.44	6.57	9.01	6.51
MAX	18	9.2	6.5	6.3	7.3	8.2	8.4	7.6	6.4	9.9	9.4	9.6
MIN	5.8	6.4	6.3	6.0	6.1	5.8	7.0	4.1	3.2	4.8	8.6	3.5
AC-FT	422	411	389	386	377	422	446	365	264	404	554	387

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2004, BY WATER YEAR (WY)

	6.10	6.65	5.62	5.01	4.69	4.82	7.63	26.4	65.4	22.2	8.24	6.88
MEAN	6.10	6.65	5.62	5.01	4.69	4.82	7.63	26.4	65.4	22.2	8.24	6.88
MAX	35.1	21.9	13.4	10.0	9.99	9.14	19.8	119	234	177	41.2	27.0
(WY)	(1962)	(1962)	(1962)	(1958)	(1958)	(1995)	(1943)	(1958)	(1942)	(1983)	(1936)	(1995)
MIN	0.66	1.84	1.30	1.28	0.80	1.02	2.41	2.81	0.14	0.34	0.39	0.20
(WY)	(1965)	(1963)	(1965)	(1965)	(1960)	(1965)	(1965)	(1954)	(1940)	(1956)	(1960)	(1944)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1934 - 2004	
ANNUAL TOTAL	5,078.7		2,434.0			
ANNUAL MEAN	a13.9		a6.65		a14.1	
HIGHEST ANNUAL MEAN					39.6	
LOWEST ANNUAL MEAN					2.30	
HIGHEST DAILY MEAN	122	Jun 21	18	Oct 1	417	Jun 25, 1983
LOWEST DAILY MEAN	3.2	Apr 8	3.2	Jun 16	b0.00	Sep 9, 1944
ANNUAL SEVEN-DAY MINIMUM	3.6	Mar 9	3.6	Jun 11	0.00	Sep 9, 1944
MAXIMUM PEAK FLOW			21		c526	
MAXIMUM PEAK STAGE			1.80		4.14	
ANNUAL RUNOFF (AC-FT)	a10,070		a4,830		a10,220	
10 PERCENT EXCEEDS	27		8.8		21	
50 PERCENT EXCEEDS	6.6		6.5		6.0	
90 PERCENT EXCEEDS	3.8		4.6		1.6	

e Estimated.

a Significantly affected by upstream diversions into the Moffat water tunnel.

b Also no flow at times in 1946, 1956, 1960, and 1966.

c From rating curve extended above 286 ft³/s.

09025300 ELK CREEK AT UPPER STATION NEAR FRASER, CO

LOCATION.--Lat 39°53'22", long 105°49'55", (unsurveyed), T.2 S., R.76 W., Grand County, Hydrologic Unit 14010001, on right bank 150 ft downstream from Main Elk dam on the St. Louis collection system, 1,100 ft upstream from aqueduct, and 4.0 mi south of Fraser.

DRAINAGE AREA.--1.67 mi².

PERIOD OF RECORD.--October 1996 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09025300

GAGE.--Water-stage recorder. Elevation of gage is 9,400 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station to Moffat water tunnel.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.88	e0.00	e0.00	e0.00	e0.00	e0.00	e0.03	e0.90	2.5	2.4	1.2	0.91
2	1.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.09	e1.1	2.6	2.2	1.3	0.88
3	0.98	e0.00	e0.00	e0.00	e0.00	e0.00	e0.11	e1.5	2.9	2.1	1.2	0.86
4	0.94	e0.00	e0.00	e0.00	e0.00	e0.00	e0.14	e1.6	3.1	2.0	1.2	0.93
5	0.94	e0.00	e0.00	e0.00	e0.00	e0.00	e0.17	e1.7	3.3	2.0	1.4	1.1
6	0.94	e0.00	e0.00	e0.00	e0.00	e0.00	e0.19	e1.9	3.4	2.1	1.3	0.98
7	0.92	e0.00	e0.00	e0.00	e0.00	e0.00	e0.22	2.0	3.4	1.9	1.2	0.91
8	0.89	e0.00	e0.00	e0.00	e0.00	e0.00	e0.24	1.9	3.3	1.8	1.2	0.86
9	0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.29	1.1	3.4	1.7	1.2	0.85
10	0.85	e0.00	e0.00	e0.00	e0.00	e0.00	e0.31	1.9	3.1	1.7	1.1	0.89
11	0.94	e0.00	e0.00	e0.00	e0.00	e0.00	e0.33	3.0	2.4	1.6	1.1	0.90
12	0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.35	3.1	2.7	1.6	1.1	0.80
13	0.83	e0.00	e0.00	e0.00	e0.00	e0.00	e0.35	2.8	3.4	1.5	1.1	0.79
14	0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.36	2.6	3.4	1.7	1.1	0.78
15	0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.37	2.4	3.3	1.7	1.1	0.80
16	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.42	2.4	3.3	1.7	1.1	0.77
17	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.46	2.5	3.2	1.6	1.1	0.75
18	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.47	2.8	3.1	1.5	1.2	0.73
19	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.51	2.9	2.7	1.7	1.4	0.74
20	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.56	2.8	2.7	e1.6	1.2	0.79
21	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.60	2.8	3.0	e1.6	1.2	0.82
22	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.62	3.0	3.0	e1.5	1.2	0.78
23	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.62	2.9	2.8	e1.5	1.1	0.80
24	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.64	3.0	2.7	e1.5	1.1	0.83
25	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.64	2.9	2.6	e1.4	1.0	0.79
26	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.64	2.9	2.6	e1.4	1.0	0.74
27	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.65	3.0	2.6	e1.4	1.1	0.71
28	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.68	3.1	2.6	1.3	0.99	0.71
29	e0.82	e0.00	e0.00	e0.00	e0.00	e0.00	e0.73	3.1	2.3	1.3	0.93	0.77
30	e0.82	e0.00	e0.00	e0.00	---	e0.00	e0.83	2.9	2.5	1.2	0.93	0.84
31	e0.00	---	e0.00	e0.00	---	e0.00	---	2.6	---	1.2	0.92	---
TOTAL	25.69	0.00	0.00	0.00	0.00	0.00	12.62	75.10	87.9	51.4	35.27	24.81
MEAN	0.83	0.00	0.00	0.00	0.00	0.00	0.42	2.42	2.93	1.66	1.14	0.83
MAX	1.0	0.00	0.00	0.00	0.00	0.00	0.83	3.1	3.4	2.4	1.4	1.1
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.90	2.3	1.2	0.92	0.71
AC-FT	51	0.00	0.00	0.00	0.00	0.00	25	149	174	102	70	49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

	2004	1997	1998	1998	1998	1999	1999	1997	2002	2002	2002	2002
MEAN	0.54	0.09	0.08	0.08	0.06	0.05	0.34	1.90	6.85	2.41	1.29	0.90
MAX	0.83	0.68	0.67	0.64	0.47	0.41	1.60	6.72	16.3	3.73	2.03	1.28
(WY)	(2004)	(1997)	(1997)	(1997)	(1997)	(1997)	(2003)	(2003)	(1997)	(2003)	(1999)	(2003)
MIN	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.17	2.27	0.92	0.62	0.57
(WY)	(2002)	(1998)	(1998)	(1998)	(1998)	(1999)	(1999)	(1997)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1997 - 2004
ANNUAL TOTAL	832.33	312.79	
ANNUAL MEAN	a2.28	a0.85	a1.22
HIGHEST ANNUAL MEAN			2.26
LOWEST ANNUAL MEAN			0.53
HIGHEST DAILY MEAN	20 May 29	3.4 Jun 6	b20 Jun 10, 1997
LOWEST DAILY MEAN	e0.00 Jan 1	c, e0.00 Oct 31	d0.00 May 7, 1997
ANNUAL SEVEN-DAY MINIMUM	e0.00 Jan 1	e0.00 Oct 31	0.00 May 7, 1997
MAXIMUM PEAK FLOW		3.7 Jun 6	22 Jun 10, 1997
MAXIMUM PEAK STAGE		f5.14 Jun 6	5.69 Jun 10, 1997
ANNUAL RUNOFF (AC-FT)	a1,650	a620	a881
10 PERCENT EXCEEDS	7.3	2.7	2.8
50 PERCENT EXCEEDS	0.89	0.72	0.46
90 PERCENT EXCEEDS	0.00	0.00	0.00

e Estimated.

a Significantly affected by upstream diversions into the Moffat water tunnel.

b Also occurred May 29, 2003.

c No flow many days. Many values estimated.

d No flow many days each year.

f Maximum gage height 5.16 ft, May 10.

09032000 RANCH CREEK NEAR FRASER, CO

LOCATION.--Lat 39°57'00", long 105°45'54", in NW¹/₄NE¹/₄ sec.22. T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, on left bank 650 ft downstream from Middle Fork, and 2.7 mi east of Fraser.

DRAINAGE AREA.--19.9 mi².

PERIOD OF RECORD.--August 1934 to current year. Records for May 26, 1937, to September 1959, equivalent to earlier records if diversion to Moffat water tunnel is added to flow past station. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09032000

REVISED RECORDS.--WSP 1243: 1935.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,660 ft above NGVD of 1929, from topographic map. Prior to Oct. 5, 1995, at site 200 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion upstream from station for irrigation of hay meadows along Fraser River. Transmountain diversions upstream from station to Moffat water tunnel not known since 1959.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	4.0	4.9	4.0	3.3	3.6	4.5	4.9	3.5	4.3	5.1	3.4
2	5.8	4.1	4.8	4.0	3.3	3.6	4.7	5.0	4.2	3.6	5.1	3.4
3	5.8	4.3	4.8	4.2	3.3	3.7	4.6	5.7	4.2	3.4	5.3	3.3
4	5.7	3.9	4.5	4.1	3.3	3.7	4.5	6.8	3.9	3.3	5.0	3.6
5	5.7	4.7	4.3	4.0	3.3	3.8	5.1	7.8	3.6	3.3	5.2	4.2
6	5.6	4.5	4.6	4.0	3.3	3.8	5.9	8.3	3.6	3.4	5.0	4.0
7	5.2	5.2	4.8	3.9	3.3	3.9	5.8	7.4	3.4	3.4	4.7	3.6
8	4.5	5.1	4.7	3.8	3.3	4.0	5.4	7.2	3.1	3.4	4.5	3.3
9	4.5	e5.0	4.5	3.7	3.3	4.2	5.2	7.2	3.3	3.6	4.3	3.2
10	4.6	5.2	4.5	3.7	3.2	4.2	4.7	7.2	3.2	3.5	4.2	3.3
11	4.5	5.4	4.5	3.7	3.2	3.9	4.8	7.4	3.1	3.3	4.2	3.5
12	4.4	5.3	4.4	3.7	3.2	4.0	4.4	7.5	3.5	3.3	4.1	3.3
13	5.2	5.2	4.4	3.6	3.2	4.0	4.2	7.2	3.5	3.6	4.0	3.2
14	9.0	5.4	4.5	3.7	3.2	3.8	4.4	6.8	3.5	4.7	3.9	3.1
15	9.7	5.3	4.5	3.8	3.2	3.8	4.6	6.5	3.5	4.8	3.9	3.0
16	9.8	5.4	4.4	3.7	3.2	3.7	4.9	6.4	3.5	5.1	3.8	3.0
17	10	5.1	4.3	3.7	3.1	3.6	5.6	6.2	3.8	5.2	3.8	2.8
18	9.9	5.3	4.3	3.6	3.1	3.6	5.8	6.2	3.8	5.0	4.0	2.8
19	9.8	e5.4	4.2	3.6	3.2	3.8	4.9	6.0	3.5	5.0	5.5	3.0
20	8.4	5.3	4.3	3.6	3.1	4.2	4.9	6.2	3.1	5.1	5.4	3.2
21	5.6	5.1	4.3	3.6	3.2	4.8	4.8	5.6	3.3	5.0	5.0	3.2
22	5.4	5.0	4.2	3.4	3.2	4.5	4.7	5.6	3.2	4.9	5.0	3.2
23	5.0	4.9	4.1	3.5	3.2	4.7	4.4	5.4	3.2	5.4	5.0	3.2
24	4.8	5.6	4.2	3.6	3.2	4.8	4.3	5.3	3.0	5.9	4.3	3.2
25	4.4	5.4	4.2	3.6	3.2	5.1	4.3	5.3	3.3	5.7	4.1	3.1
26	e4.6	5.3	4.2	3.5	3.3	e5.5	4.5	5.1	3.6	5.5	4.0	3.0
27	4.7	5.0	4.2	3.5	3.3	5.0	5.3	4.8	4.0	5.4	4.2	2.9
28	4.6	4.6	4.0	3.5	3.4	4.5	5.7	4.6	3.9	5.4	4.1	3.0
29	4.6	4.8	3.9	3.3	3.6	e5.0	5.7	4.0	3.6	5.4	3.7	3.1
30	4.3	5.0	4.0	3.4	---	e5.5	5.4	3.8	4.6	5.3	3.6	4.1
31	4.1	---	4.0	3.4	---	e5.3	---	3.6	---	5.2	3.5	---
TOTAL	185.8	149.8	135.5	114.4	94.2	131.6	148.0	187.0	106.5	139.4	137.5	98.2
MEAN	5.99	4.99	4.37	3.69	3.25	4.25	4.93	6.03	3.55	4.50	4.44	3.27
MAX	10	5.6	4.9	4.2	3.6	5.5	5.9	8.3	4.6	5.9	5.5	4.2
MIN	4.1	3.9	3.9	3.3	3.1	3.6	4.2	3.6	3.0	3.3	3.5	2.8
AC-FT	369	297	269	227	187	261	294	371	211	276	273	195

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2004, BY WATER YEAR (WY)

	4.75	4.12	3.40	3.02	2.71	2.66	5.24	30.5	74.7	23.9	7.28	4.92
MEAN	4.75	4.12	3.40	3.02	2.71	2.66	5.24	30.5	74.7	23.9	7.28	4.92
MAX	19.6	14.6	8.11	5.63	4.65	5.34	17.4	99.4	206	136	27.3	13.8
(WY)	(1962)	(1962)	(1962)	(1962)	(1966)	(1950)	(1946)	(1936)	(1997)	(1995)	(1945)	(1945)
MIN	0.98	1.09	0.87	0.89	0.74	0.65	1.61	3.69	2.68	1.86	1.20	0.98
(WY)	(1969)	(1965)	(1965)	(1964)	(1964)	(1964)	(1961)	(1954)	(1966)	(2002)	(2002)	(1960)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1935 - 2004

ANNUAL TOTAL	6,471.3		1,627.9			
ANNUAL MEAN	a17.7		a4.45		a13.9	
HIGHEST ANNUAL MEAN					31.4	
LOWEST ANNUAL MEAN					2.55	
HIGHEST DAILY MEAN	280	May 29	10	Oct 17	402	Jun 7, 1997
LOWEST DAILY MEAN	2.4	Jan 26	2.8	Sep 17	60.40	Sep 21, 1960
ANNUAL SEVEN-DAY MINIMUM	2.5	Jan 1	3.0	Sep 13	0.42	Sep 21, 1988
MAXIMUM PEAK FLOW			11	May 20	548	Jun 4, 1997
MAXIMUM PEAK STAGE			4.71	May 20	6.71	Jun 4, 1997
ANNUAL RUNOFF (AC-FT)	a12,840		a3,230		a10,090	
10 PERCENT EXCEEDS	60		5.6		29	
50 PERCENT EXCEEDS	4.8		4.2		4.0	
90 PERCENT EXCEEDS	2.7		3.2		1.8	

e Estimated.

a Significantly affected by upstream diversions into the Moffat water tunnel.

b Also occurred Oct 6, 1960, and Sep 24-26, 1988.

09032100 CABIN CREEK NEAR FRASER, CO

LOCATION.--Lat 39°59'09", long 105°44'40", in NW¹/₄SE¹/₄ sec.2. T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, on left bank 200 ft downstream from concrete diversion dam, 2.7 mi upstream from mouth, and 4.6 mi northeast of Fraser.

DRAINAGE AREA.--4.87 mi².

PERIOD OF RECORD.--October 1983 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09032100

GAGE.--Water-stage recorder. Elevation of gage is 9,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station to Moffat water tunnel, amount unknown.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	e2.7	e2.1	e1.6	e1.4	e1.0	e4.6	e1.5	2.4	2.6	2.3	2.2
2	1.5	e2.7	e2.1	e1.6	e1.4	e1.0	e4.6	e1.6	2.3	2.4	2.2	2.1
3	1.4	e2.7	e2.1	e1.7	e1.4	e1.0	e4.7	e1.6	2.5	2.2	2.2	2.0
4	1.3	e2.7	e2.1	e1.7	e1.4	e1.0	e4.8	e1.8	2.6	2.2	2.2	2.1
5	1.3	e2.7	e1.9	e1.7	e1.4	e1.0	e5.0	e1.1	2.6	2.3	2.2	2.2
6	1.3	e2.7	e1.9	e1.7	e1.4	e1.0	e5.0	e1.1	2.8	2.3	2.3	2.2
7	1.2	e2.7	e1.9	e1.7	e1.2	e1.0	e5.1	1.1	2.8	2.2	2.4	2.1
8	1.2	e2.7	e1.8	e1.7	e1.2	e1.0	e4.4	1.2	2.5	2.3	2.4	1.9
9	1.3	e2.7	e1.8	e1.7	e1.2	e1.0	e4.4	2.6	2.4	2.4	2.4	2.0
10	1.2	e2.7	e1.8	e1.7	e1.2	e1.0	e4.0	3.4	2.4	2.4	2.3	2.1
11	1.2	e2.6	e1.8	e1.7	e1.2	e1.0	e3.8	2.4	2.7	2.3	2.4	2.1
12	1.2	e2.6	e1.8	e1.7	e1.2	e1.0	e3.7	2.3	3.1	2.2	2.3	2.0
13	2.1	e2.5	e1.8	e1.7	e1.1	e1.0	e4.4	2.0	2.9	2.4	2.3	2.0
14	3.2	e2.5	e1.8	e1.7	e1.1	e1.0	e5.1	1.7	2.8	2.3	2.2	2.0
15	e3.2	e2.5	e1.8	e1.7	e1.1	e1.0	e5.7	1.7	2.8	2.2	2.2	2.2
16	e3.3	e2.5	e1.8	e1.7	e1.1	e1.0	e6.0	1.7	2.7	2.3	2.1	2.1
17	e3.1	e2.5	e1.8	e1.7	e1.1	e1.0	e6.1	2.0	2.6	2.4	2.1	2.1
18	e3.1	e2.5	e1.8	e1.7	e1.1	e1.2	e5.2	2.4	2.5	2.3	2.2	2.0
19	e3.1	e2.3	e1.6	e1.7	e1.1	e2.2	e4.6	2.1	2.4	2.3	2.3	1.2
20	e3.1	e2.3	e1.6	e1.6	e1.1	e2.3	e3.6	1.4	2.2	2.4	2.1	0.91
21	e3.1	e2.3	e1.6	e1.6	e1.1	e2.4	e3.4	1.7	2.2	2.6	1.9	1.6
22	e3.0	e2.3	e1.6	e1.6	e1.1	e3.2	e2.0	1.6	2.5	2.6	1.5	1.8
23	e2.8	e2.2	e1.6	e1.5	e1.1	e3.5	e1.8	1.8	2.8	2.5	1.7	1.8
24	e2.8	e2.2	e1.6	e1.5	e1.1	e3.7	e2.2	2.5	2.6	2.5	1.8	1.9
25	e2.8	e2.1	e1.5	e1.5	e1.1	e4.0	e2.6	2.4	2.5	2.5	1.8	2.0
26	e2.8	e2.1	e1.6	e1.5	e1.1	e4.1	e2.0	1.9	2.5	2.4	1.8	1.9
27	e2.8	e2.1	e1.6	e1.5	e1.1	e4.2	e2.2	2.3	2.5	2.4	1.9	1.9
28	e2.8	e2.1	e1.6	e1.5	e1.1	e4.3	e2.2	2.5	2.5	2.4	2.0	1.9
29	e2.8	e2.1	e1.6	e1.5	e1.1	e4.4	e1.8	2.3	2.7	2.4	2.0	2.0
30	e2.8	e2.1	e1.6	e1.5	---	e4.4	e1.7	2.1	2.8	2.4	2.2	2.0
31	e2.8	---	e1.6	e1.4	---	e4.5	---	2.5	---	2.4	2.2	---
TOTAL	71.1	73.4	54.6	50.3	34.3	65.4	116.7	60.3	77.6	73.5	65.9	58.31
MEAN	2.29	2.45	1.76	1.62	1.18	2.11	3.89	1.95	2.59	2.37	2.13	1.94
MAX	3.3	2.7	2.1	1.7	1.4	4.5	6.1	3.4	3.1	2.6	2.4	2.2
MIN	1.2	2.1	1.5	1.4	1.1	1.0	1.7	1.1	2.2	2.2	1.5	0.91
AC-FT	141	146	108	100	68	130	231	120	154	146	131	116

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	2.74	2.20	1.60	1.33	1.11	1.17	2.06	10.3	28.1	11.7	4.64	3.15
MAX	6.11	3.49	2.40	2.33	1.67	2.11	3.89	25.5	70.3	46.6	8.05	5.12
(WY)	(1997)	(1997)	(2000)	(2000)	(2000)	(2004)	(2004)	(1996)	(1997)	(1995)	(1984)	(1984)
MIN	1.67	0.48	0.47	0.59	0.30	0.12	0.08	1.60	2.59	2.37	1.91	1.48
(WY)	(1990)	(1985)	(1985)	(1985)	(1985)	(1985)	(1985)	(1985)	(2004)	(2004)	(1994)	(1994)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1984 - 2004
ANNUAL TOTAL	2,068.23	801.41	
ANNUAL MEAN	a5.67	a2.19	a5.85
HIGHEST ANNUAL MEAN			11.2
LOWEST ANNUAL MEAN			2.18
HIGHEST DAILY MEAN	80	May 30	112
LOWEST DAILY MEAN	e0.88	Mar 29	0.04
ANNUAL SEVEN-DAY MINIMUM	e0.90	Mar 23	0.07
MAXIMUM PEAK FLOW		b7.6	162
MAXIMUM PEAK STAGE		b1.19	c2.38
ANNUAL RUNOFF (AC-FT)	a4,100	a1,590	a4,240
10 PERCENT EXCEEDS	9.6	3.1	12
50 PERCENT EXCEEDS	2.2	2.1	2.2
90 PERCENT EXCEEDS	1.0	1.1	1.0

e Estimated.

a Significantly affected by upstream diversions into the Moffat water tunnel.

b May have been higher during period of estimated record in March-April.

c Maximum gage height, 2.39 ft, Jun 17, 1995.

09033100 RANCH CREEK BELOW MEADOW CREEK NEAR TABERNASH, CO

LOCATION.--Lat 39°59'57", long 105°49'37", in NW¹/₄NW¹/₄ sec.6, T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, on right bank about 400 ft downstream from Meadow Creek, 0.75 mi northeast of Tabernash, and 0.85 mi above mouth.

DRAINAGE AREA.--65.7 mi².

PERIOD OF RECORD.--April 1997 to September 2003, October 2003 to September 2004 (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09033100

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,350 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversion upstream from station for irrigation of hay meadows in Fraser River Valley. Transmountain diversion upstream from station to Moffat water tunnel not known since 1959.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 763 ft³/s, June 9, 1997, gage height, 7.18 ft; minimum daily, 2.0 ft³/s, Sept. 3, 2002.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 55 ft³/s, June 30, gage height, 4.72 ft; maximum gage height, 5.78 ft, Apr. 2 (backwater from beaver dam); minimum daily, 5.1 ft³/s, Sept. 1 (estimated).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e31	---	---	---	---	---	e30	20	e14	32	8.1	e5.1
2	e17	---	---	---	---	---	e30	19	e15	18	8.4	e5.2
3	e17	---	---	---	---	---	e28	22	e16	15	9.0	e5.2
4	e17	---	---	---	---	---	e28	31	e16	13	8.4	e5.6
5	e17	---	---	---	---	---	e28	33	e15	14	8.0	e6.7
6	e16	---	---	---	---	---	e29	33	e15	18	8.9	e7.2
7	e16	---	---	---	---	---	e30	24	e14	14	8.4	e6.9
8	e16	---	---	---	---	---	e30	22	e14	12	8.1	e6.6
9	e16	---	---	---	---	---	e30	20	e14	11	8.1	e6.3
10	e16	---	---	---	---	---	e28	22	e13	11	8.3	5.8
11	e16	---	---	---	---	---	e26	23	e12	11	8.6	e5.7
12	e16	---	---	---	---	---	e26	25	e12	10	9.9	e5.9
13	e15	---	---	---	---	---	e26	26	e12	9.1	8.9	e5.9
14	e15	---	---	---	---	---	e25	22	e12	9.2	8.0	e5.7
15	---	---	---	---	---	---	e25	21	e12	9.7	7.5	e5.6
16	---	---	---	---	---	---	e25	20	e15	11	7.2	e5.6
17	---	---	---	---	---	---	e27	18	e17	14	7.7	5.4
18	---	---	---	---	---	---	e28	19	e19	12	e8.2	5.4
19	---	---	---	---	---	---	e27	18	20	11	e9.6	5.5
20	---	---	---	---	---	---	e26	18	18	11	e10	6.2
21	---	---	---	---	---	---	e26	18	17	11	e10	6.3
22	---	---	---	---	---	---	e26	18	19	12	e10	8.0
23	---	---	---	---	---	---	e25	17	15	13	e9.9	8.1
24	---	---	---	---	---	---	e24	16	13	13	e9.7	7.8
25	---	---	---	---	---	---	e24	16	12	11	e9.2	8.4
26	---	---	---	---	---	---	e24	17	15	10	e8.3	7.9
27	---	---	---	---	---	---	e24	17	16	10	e7.8	7.1
28	---	---	---	---	---	---	e24	e16	17	9.6	e6.9	6.7
29	---	---	---	---	---	---	23	e15	14	9.2	e6.5	6.5
30	---	---	---	---	---	---	24	e15	30	8.8	e5.8	12
31	---	---	---	---	---	---	---	e15	---	8.7	e5.5	---
TOTAL	---	---	---	---	---	---	796	636	463	382.3	258.9	196.3
MEAN	---	---	---	---	---	---	26.5	20.5	15.4	12.3	8.35	6.54
MAX	---	---	---	---	---	30	33	30	32	10	12	---
MIN	---	---	---	---	---	23	15	12	8.7	5.5	5.1	---
AC-FT	---	---	---	---	---	---	1,580	1,260	918	758	514	389

e Estimated.

09033300 FRASER RIVER BELOW CROOKED CREEK AT TABERNASH, CO

LOCATION.--Lat 40°00'21", long 105°50'52", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.1 N., R.76 W., Grand County, Hydrologic Unit 14010001, on left bank 600 ft downstream from Crooked Creek, and 1 mi north of Tabernash.

DRAINAGE AREA.--224 mi².

PERIOD OF RECORD.--October 1998 to September 2002. October 2002 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09033300

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,270 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station to Moffat water tunnel, amount unknown.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1550 ft³/s, May 30, 2003, gage height, 6.01 ft; minimum daily, 16 ft³/s, August 28, 2002.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 203 ft³/s, June 30, gage height, 3.40 ft; minimum daily, 25 ft³/s, Sept. 19.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	82	61	40	102	38	39
2	---	---	---	---	---	---	87	e60	35	44	39	38
3	---	---	---	---	---	---	98	e58	35	36	44	38
4	---	---	---	---	---	---	85	64	35	34	41	40
5	---	---	---	---	---	---	90	71	34	36	40	50
6	---	---	---	---	---	---	103	75	33	45	42	47
7	---	---	---	---	---	---	101	61	31	37	38	43
8	---	---	---	---	---	---	96	60	31	34	37	42
9	---	---	---	---	---	---	97	59	34	31	35	40
10	---	---	---	---	---	---	82	62	32	32	33	39
11	---	---	---	---	---	---	72	65	30	31	32	41
12	---	---	---	---	---	---	72	75	33	30	35	39
13	---	---	---	---	---	---	71	80	33	30	33	38
14	---	---	---	---	---	---	71	72	31	30	33	36
15	---	---	---	---	---	---	71	65	30	34	32	36
16	---	---	---	---	---	---	75	59	33	38	32	31
17	---	---	---	---	---	---	82	54	38	43	36	26
18	---	---	---	---	---	---	88	51	44	37	53	26
19	---	---	---	---	---	---	71	52	51	35	90	25
20	---	---	---	---	---	---	69	52	42	37	65	29
21	---	---	---	---	---	---	68	50	44	37	50	30
22	---	---	---	---	---	---	66	51	50	39	60	36
23	---	---	---	---	---	---	60	48	37	44	61	34
24	---	---	---	---	---	---	55	46	33	52	46	33
25	---	---	---	---	---	---	57	47	34	44	42	34
26	---	---	---	---	---	---	54	46	46	42	40	31
27	---	---	---	---	---	---	55	40	45	42	42	30
28	---	---	---	---	---	---	62	41	47	42	42	31
29	---	---	---	---	---	---	63	45	38	41	42	30
30	---	---	---	---	---	---	68	55	99	38	39	55
31	---	---	---	---	---	---	---	45	---	38	39	---
TOTAL	---	---	---	---	---	---	2,271	1,770	1,178	1,235	1,331	1,087
MEAN	---	---	---	---	---	---	75.7	57.1	39.3	39.8	42.9	36.2
MAX	---	---	---	---	---	---	103	80	99	102	90	55
MIN	---	---	---	---	---	---	54	40	30	30	32	25
AC-FT	---	---	---	---	---	---	4,500	3,510	2,340	2,450	2,640	2,160

e Estimated.

09034250 COLORADO RIVER AT WINDY GAP NEAR GRANBY, CO

LOCATION.--Lat 40°06'30", long 106°00'13" in NW¹/₄ sec.27, T.2 N., R.77 W., Grand County, Hydrologic Unit 14010001, on right bank 300 ft downstream from county highway bridge, 1.1 mi downstream from Windy Gap diversion dam, 2.4 mi downstream from mouth of Fraser River, and 3.8 mi northwest of Granby.

DRAINAGE AREA.--789 mi².

PERIOD OF RECORD.--October 1981 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09034250

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,790 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, and diversions for irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	102	102	e76	e76	e79	181	182	158	385	158	87
2	105	101	97	e75	e63	e74	168	184	140	313	151	79
3	85	117	77	e75	e70	e79	179	180	138	273	148	77
4	85	130	93	e75	e70	e79	176	164	146	248	145	79
5	80	131	83	e69	e75	e79	168	125	142	246	134	92
6	84	122	94	e68	e73	e80	183	134	128	276	132	97
7	82	122	90	e76	e71	e81	194	153	171	246	147	87
8	79	120	97	e73	e71	e76	187	152	170	226	153	83
9	67	108	e85	e73	e72	e86	187	156	199	203	145	78
10	63	126	e79	e73	e73	e89	182	164	190	203	117	76
11	79	131	e89	e76	e73	e90	160	166	167	193	92	76
12	84	122	e84	e65	e71	e100	152	168	185	178	88	74
13	85	118	e86	e70	e74	e105	152	181	214	155	87	71
14	82	135	e86	e70	e71	e105	149	177	216	158	80	68
15	94	137	e86	e66	e71	e105	151	165	207	181	74	65
16	94	124	e80	e69	e71	e95	154	149	193	228	70	58
17	91	120	e81	e71	e71	e90	160	126	239	301	70	55
18	88	123	e78	e70	e72	e91	168	125	276	309	75	53
19	88	104	e72	e61	e75	e117	159	124	326	318	148	53
20	91	106	e70	e73	e76	e160	149	124	300	309	171	48
21	93	113	e71	e67	e77	e172	145	116	293	297	130	48
22	91	110	e74	e70	e77	e148	143	111	305	267	108	69
23	91	80	e72	e66	e82	e116	136	110	282	253	121	68
24	88	78	e68	e64	e75	e115	131	102	254	266	113	63
25	88	106	e69	e64	e77	e150	126	104	244	267	98	61
26	88	110	e73	e67	e80	e200	125	106	288	255	94	61
27	77	e103	e74	e66	e79	244	119	112	287	254	99	57
28	85	e80	e68	e67	e81	173	118	113	296	251	103	51
29	93	e106	e68	e70	e81	152	123	130	267	225	99	50
30	89	91	e68	e73	---	153	131	188	266	190	96	73
31	106	---	e76	e71	---	163	---	181	---	174	90	---
TOTAL	2,671	3,376	2,490	2,169	2,148	3,646	4,656	4,472	6,687	7,648	3,536	2,057
MEAN	86.2	113	80.3	70.0	74.1	118	155	144	223	247	114	68.6
MAX	106	137	102	76	82	244	194	188	326	385	171	97
MIN	63	78	68	61	63	74	118	102	128	155	70	48
AC-FT	5,300	6,700	4,940	4,300	4,260	7,230	9,240	8,870	13,260	15,170	7,010	4,080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

MEAN	109	102	80.0	77.5	77.7	112	282	611	862	493	175	111
MAX	341	188	120	110	110	260	881	2,326	2,997	2,096	509	384
(WY)	(2000)	(1986)	(1985)	(1985)	(1985)	(1984)	(1996)	(1984)	(1984)	(1983)	(1997)	(1999)
MIN	59.9	73.8	63.8	59.0	63.3	75.8	120	123	180	120	74.3	54.4
(WY)	(1982)	(2002)	(2003)	(1989)	(2003)	(1983)	(2002)	(2001)	(2001)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1982 - 2004
ANNUAL TOTAL	58,434	45,556	
ANNUAL MEAN	160	124	258
HIGHEST ANNUAL MEAN			726
LOWEST ANNUAL MEAN			96.7
HIGHEST DAILY MEAN	1,780	May 31	385
LOWEST DAILY MEAN	e57	Jan 7	48
ANNUAL SEVEN-DAY MINIMUM	e59	Jan 20	54
MAXIMUM PEAK FLOW			422
MAXIMUM PEAK STAGE			3.59
ANNUAL RUNOFF (AC-FT)	115,900	90,360	187,000
10 PERCENT EXCEEDS	319	225	548
50 PERCENT EXCEEDS	102	102	107
90 PERCENT EXCEEDS	63	69	68

e Estimated.

09034900 BOBTAIL CREEK NEAR JONES PASS, CO

LOCATION.--Lat 39°45'37", long 105°54'21", in sec.28, T.3 S., R.76 W., Grand County, Hydrologic Unit 14010001, on left bank 320 ft upstream from diversion dam and 0.4 mi south of entrance to August P. Gumlick Tunnel.

DRAINAGE AREA.--5.49 mi².

PERIOD OF RECORD.--October 1965 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09034900

GAGE.--Water-stage recorder. Elevation of gage is 10,430 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	e2.0	e1.8	e1.5	e1.1	e0.70	e1.7	e4.5	19	31	7.4	3.9
2	4.6	e2.0	e1.8	e1.5	e1.1	e0.70	e1.8	e3.9	22	28	7.5	3.6
3	4.4	e2.0	e1.8	e1.4	e1.0	e0.72	e1.9	e5.8	28	25	7.3	3.4
4	4.0	e1.7	e1.8	e1.4	e1.0	e0.72	e2.3	7.5	32	23	7.3	4.1
5	3.8	e1.9	e1.8	e1.4	e1.0	e0.72	e2.7	11	36	20	6.8	4.5
6	3.6	e2.0	e1.8	e1.4	e1.0	e0.72	e2.8	17	41	19	6.4	4.2
7	3.5	e2.0	e1.7	e1.4	e1.0	e0.72	e3.1	20	45	18	6.2	3.3
8	3.4	e2.0	e1.7	e1.4	e0.98	e0.72	e3.3	19	44	17	5.3	2.8
9	3.2	e2.0	e1.7	e1.3	e0.98	e0.72	e3.4	20	48	16	5.3	2.7
10	3.2	e2.0	e1.7	e1.3	e0.98	e0.72	e3.1	23	43	16	4.9	2.8
11	e3.1	e2.0	e1.7	e1.3	e0.98	e0.72	e3.1	23	35	15	4.8	2.9
12	e3.0	e2.0	e1.7	e1.2	e0.98	e0.72	e2.9	18	30	14	4.3	2.5
13	2.9	e2.0	e1.7	e1.2	e0.98	e0.74	e2.8	15	29	14	4.3	2.5
14	e2.9	e2.0	e1.6	e1.2	e0.85	e0.74	e2.7	12	31	14	3.7	2.3
15	e2.9	e1.9	e1.6	e1.2	e0.92	e0.78	e3.0	11	30	16	3.6	2.4
16	2.8	e1.7	e1.6	e1.2	e0.92	e0.83	e3.0	13	30	17	3.7	2.3
17	e2.8	e1.6	e1.6	e1.2	e0.92	e0.85	e3.5	13	29	20	3.4	2.3
18	2.7	e1.8	e1.6	e1.2	e0.90	e0.87	e3.6	17	28	18	3.9	2.2
19	e2.7	e2.0	e1.6	e1.2	e0.90	e0.92	e3.6	26	26	17	5.6	2.5
20	2.5	e2.1	e1.6	e1.1	e0.83	e1.0	e3.6	31	24	17	5.8	2.4
21	2.4	e1.9	e1.6	e1.1	e0.81	e1.1	e3.5	31	25	16	5.8	3.0
22	2.3	e1.6	e1.5	e1.1	e0.81	e1.2	e3.3	27	22	14	6.3	3.0
23	2.3	e1.2	e1.5	e1.1	e0.81	e1.4	e3.0	27	20	15	6.1	2.9
24	e2.1	e1.2	e1.5	e1.1	e0.81	e1.5	e2.9	27	19	14	5.6	3.3
25	e1.8	e1.6	e1.5	e1.1	e0.81	e1.8	e2.7	25	19	12	5.4	3.7
26	e1.6	e1.9	e1.5	e1.1	e0.81	e2.3	e2.7	25	21	11	5.2	3.7
27	e1.7	e2.2	e1.5	e1.1	e0.66	e2.3	e2.7	25	24	10	5.7	3.4
28	e2.0	e2.1	e1.5	e1.1	e0.72	e1.9	e3.3	30	27	10	5.7	3.3
29	e2.0	e2.1	e1.5	e1.1	e0.70	e1.5	e3.5	28	28	9.0	4.9	3.4
30	e2.0	e1.9	e1.5	e1.1	---	e1.4	e4.1	21	35	8.8	4.5	3.7
31	e2.0	---	e1.5	e1.1	---	e1.6	---	20	---	8.1	4.1	---
TOTAL	88.1	56.4	50.5	38.1	26.26	33.33	89.6	596.7	890	502.9	166.8	93.0
MEAN	2.84	1.88	1.63	1.23	0.91	1.08	2.99	19.2	29.7	16.2	5.38	3.10
MAX	4.6	2.2	1.8	1.5	1.1	2.3	4.1	31	48	31	7.5	4.5
MIN	1.6	1.2	1.5	1.1	0.66	0.70	1.7	3.9	19	8.1	3.4	2.2
AC-FT	175	112	100	76	52	66	178	1,180	1,770	998	331	184

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

	2.97	1.73	1.11	0.89	0.80	0.79	1.52	15.6	55.7	29.0	9.33	4.67
MEAN	2.97	1.73	1.11	0.89	0.80	0.79	1.52	15.6	55.7	29.0	9.33	4.67
MAX	5.49	3.33	1.79	1.24	1.15	1.21	4.30	32.6	85.8	75.5	25.5	9.74
(WY)	(1985)	(1984)	(1983)	(1983)	(1995)	(1995)	(1969)	(2000)	(1997)	(1995)	(1983)	(1983)
MIN	1.51	1.03	0.78	0.58	0.48	0.52	0.68	1.57	20.1	4.74	3.39	2.35
(WY)	(1981)	(1974)	(1977)	(1972)	(1972)	(1972)	(1973)	(1995)	(2002)	(2002)	(2002)	(1987)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	4,753.69		2,631.69			
ANNUAL MEAN	13.0		7.19		10.3	
HIGHEST ANNUAL MEAN					15.5	
LOWEST ANNUAL MEAN					4.80	
HIGHEST DAILY MEAN	127	May 31	48	Jun 9	146	Jun 25, 1983
LOWEST DAILY MEAN	e0.61	Jan 28	e0.66	Feb 27	0.44	Feb 11, 1972
ANNUAL SEVEN-DAY MINIMUM	e0.75	Mar 25	e0.70	Feb 27	0.46	Feb 11, 1972
MAXIMUM PEAK FLOW			65	Jun 7	290	Jun 28, 1988
MAXIMUM PEAK STAGE			3.99	Jun 7	a5.19	Jun 28, 1988
ANNUAL RUNOFF (AC-FT)	9,430		5,220		7,500	
10 PERCENT EXCEEDS	51		24		32	
50 PERCENT EXCEEDS	2.3		2.7		2.0	
90 PERCENT EXCEEDS	0.89		0.98		0.72	

e Estimated.

a Maximum gage height, 7.57 ft, May 15, 1984, backwater from ice.

09035500 WILLIAMS FORK BELOW STEELMAN CREEK, CO

LOCATION.--Lat 39°46'44", long 105°55'40", in sec.20, T.3 S., R.76 W., Grand County, Hydrologic Unit 14010001, on right bank 700 ft downstream from Steelman Creek and 6.5 mi southeast of Leal.

DRAINAGE AREA.--16.3 mi².

PERIOD OF RECORD.--July 1933 to September 1941, published as Williams River below Steelman Creek. October 1965 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09035500

REVISED RECORDS.--WSP 1313: 1937(M).

GAGE.--Water-stage recorder. Elevation of gage is 9,800 ft above NGVD of 1929, from topographic map. Prior to July 21, 1933, nonrecording gage, and July 21, 1933 to Sept. 30, 1941, water-stage recorder at site 600 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station through August P. Gumlick Tunnel (station 09035000) since May 10, 1940.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	e0.71	e1.1	e1.3	e1.1	e0.75	e1.2	e2.9	20	25	1.2	0.58
2	1.4	e0.74	e1.2	e1.5	e1.1	e0.75	e1.3	e2.6	4.2	57	1.2	0.57
3	1.2	e0.83	e1.2	e1.4	e1.1	e0.75	e1.4	e4.0	3.9	53	1.2	0.56
4	1.1	e0.69	e1.2	e1.4	e1.1	e0.73	e1.8	5.2	3.8	49	1.1	0.68
5	1.1	e0.94	e1.2	e1.4	e1.0	e0.73	e1.5	6.6	3.7	47	1.1	0.93
6	1.6	e1.1	e1.2	e1.4	e0.73	e0.73	e1.6	7.6	3.7	44	1.1	0.84
7	1.4	e1.2	e1.2	e1.1	e0.73	e0.73	e1.9	8.2	39	41	0.98	0.72
8	1.0	e1.2	e1.5	e1.3	e0.73	e0.73	e1.9	8.3	4.1	39	0.93	0.63
9	1.0	e1.2	e1.1	e1.3	e0.73	e0.47	e2.0	8.1	4.1	37	0.87	0.62
10	0.99	e0.98	e1.1	e1.3	e1.0	e0.47	e1.7	31	3.9	35	0.83	0.74
11	1.2	e0.99	e1.1	e1.3	e0.98	e0.47	e1.7	8.1	4.0	34	0.81	0.91
12	0.97	e0.99	e1.1	e1.3	e0.99	e0.47	e2.1	6.7	3.9	26	0.80	0.70
13	0.96	e0.99	e1.1	e1.3	e0.99	e0.47	e2.1	23	3.7	8.5	0.77	0.65
14	1.0	e0.99	e1.1	e1.3	e0.89	e0.47	e2.0	5.3	27	2.1	0.74	0.60
15	0.95	e0.92	e1.1	e1.3	e0.91	e1.6	e2.2	4.8	17	2.0	0.72	0.57
16	0.89	e0.85	e1.0	e1.3	e0.92	e1.6	e1.7	5.1	17	2.0	0.71	0.58
17	0.86	e0.80	e1.0	e1.2	e2.1	e1.7	e1.5	12	16	2.3	0.72	0.57
18	0.84	e0.87	e1.0	e1.2	e2.6	e1.4	e1.8	6.0	16	2.2	0.78	0.55
19	0.83	e0.99	e1.0	e1.2	e2.6	e1.3	e2.1	6.7	3.0	14	1.1	0.61
20	0.80	e1.1	e1.0	e1.1	e2.6	e1.3	e2.1	7.0	2.8	2.2	1.1	0.68
21	0.78	e1.0	e1.0	e1.1	e2.6	e1.3	e2.4	6.7	17	1.9	0.89	0.88
22	0.78	e0.87	e1.0	e1.1	e2.6	e0.90	e2.3	6.1	14	1.7	0.86	0.93
23	0.77	e0.45	e1.0	e1.1	e1.7	e0.87	e2.3	5.7	12	1.9	0.82	2.6
24	0.74	e0.57	e1.4	e1.1	e0.84	e0.97	e2.1	22	11	1.9	0.76	3.3
25	0.80	e0.77	e1.0	e1.1	e0.84	e1.3	e2.2	5.1	11	1.6	0.70	1.1
26	0.91	e0.91	e1.4	e1.1	e0.84	e1.5	e2.0	4.9	2.9	1.5	0.66	0.96
27	0.78	e0.87	e1.4	e1.1	e0.73	e1.6	e2.0	4.7	3.2	1.4	0.73	0.86
28	0.78	e1.2	e1.3	e1.1	e0.74	e1.2	e2.2	4.8	23	1.5	0.80	0.83
29	0.76	e1.2	e1.3	e1.1	e0.75	e0.77	e2.0	5.1	9.6	1.4	0.70	0.86
30	0.72	e1.1	e1.3	e1.1	---	e0.73	e2.5	4.8	16	1.3	0.63	4.5
31	0.76	---	e1.3	e1.1	---	e0.64	---	4.7	---	1.2	0.61	---
TOTAL	37.57	28.02	35.9	38.0	36.54	29.40	57.6	243.8	320.5	539.6	26.92	30.11
MEAN	1.21	0.93	1.16	1.23	1.26	0.95	1.92	7.86	10.7	17.4	0.87	1.00
MAX	8.9	1.2	1.5	1.5	2.6	1.7	2.5	31	39	57	1.2	4.5
MIN	0.72	0.45	1.0	1.1	0.73	0.47	1.2	2.6	2.8	1.2	0.61	0.55
AC-FT	75	56	71	75	72	58	114	484	636	1,070	53	60
a	549	329	230	127	97	174	355	3,047	4,155	1,083	793	510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)																																				
	5.28	16.3	(1985)	0.98	(1967)	3.45	8.07	(1938)	0.58	(1987)	2.41	4.85	(1996)	0.39	(1987)	2.03	4.30	(1939)	0.31	(1978)	1.94	4.02	(1999)	0.30	(1978)	2.00	4.99	(1999)	0.35	(1987)	3.76	10.6	(1992)	0.61	(1991)	32.4	89.2	(1936)	5.45	(1991)	114	213	(1938)	5.83	(2002)	54.9	200	(1995)	11.4	44.5	(1983)	6.71	18.4	(1984)	0.68	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1934 - 2004	
ANNUAL TOTAL	8,640.46		b1,423.96			
ANNUAL MEAN	23.7		b3.89		c26.3	
HIGHEST ANNUAL MEAN					39.0	
LOWEST ANNUAL MEAN					2.41	
HIGHEST DAILY MEAN	333	Jun 1	57	Jul 2	395	Jul 12, 1995
LOWEST DAILY MEAN	e0.35	Jan 28	e0.45	Nov 23	0.20	Mar 6, 1967
ANNUAL SEVEN-DAY MINIMUM	e0.41	Jan 24	e0.51	Mar 8	0.27	Feb 13, 1971
MAXIMUM PEAK FLOW			133	Jun 7	d516	Jul 11, 1995
MAXIMUM PEAK STAGE			4.43	Jun 7	f5.64	Jul 11, 1995
ANNUAL RUNOFF (AC-FT)	17,140		b2,820		c19,050	
10 PERCENT EXCEEDS	120		8.1		65	
50 PERCENT EXCEEDS	1.3		1.2		3.4	
90 PERCENT EXCEEDS	0.54		0.73		0.60	

e Estimated.

a Diversions in acre-feet, through August P. Gumlick Tunnel, provided by Denver Water Board.

b Does not include diversions through August P. Gumlick Tunnel.

c Includes diversions to August P. Gumlick Tunnel.

d From rating curve extended above 250 ft³/s.

f Maximum gage height, 6.96 ft, May 15, 1984, backwater from ice.

09035800 DARLING CREEK NEAR LEAL, CO

LOCATION.--Lat 39°48'02", long 106°01'33", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.3 S., R.77 W., Grand County, Hydrologic Unit 14010001, on left bank 700 ft upstream from mouth, and 1.2 mi southeast of Leal.

DRAINAGE AREA.--8.76 mi².

PERIOD OF RECORD.--October 1965 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09035800

GAGE.--Water-stage recorder. Elevation of gage is 8,940 ft above NGVD of 1929, from topographic map. Prior to Aug. 23, 1996, at site 2,400 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	3.7	e3.3	e2.9	e2.4	e2.6	3.3	5.4	15	15	6.0	3.1
2	5.6	3.8	e3.3	e2.9	e2.4	e2.5	3.7	5.3	15	13	6.0	3.0
3	5.6	3.9	e3.4	e2.8	e2.4	e2.8	3.6	6.2	16	12	5.8	2.9
4	5.4	e3.5	e3.4	e3.0	e2.4	e2.8	3.4	8.2	17	12	5.4	3.7
5	5.3	e3.2	e3.3	e2.8	e2.4	e3.0	3.4	11	18	12	5.5	4.3
6	5.2	e3.4	e3.3	e3.0	e2.4	e3.0	3.7	13	20	11	5.3	4.2
7	5.1	e3.5	e3.3	e2.8	e2.3	e3.0	3.7	14	23	9.7	5.1	3.7
8	4.9	e3.4	e3.4	e2.8	e2.5	e2.9	3.6	16	22	9.1	4.7	3.3
9	4.8	e3.3	e3.4	e2.5	e2.5	e3.1	3.7	16	23	8.5	4.5	3.1
10	5.0	e3.3	e3.3	e2.5	e2.3	e3.3	3.6	17	24	8.0	4.3	3.3
11	5.6	e3.2	e3.4	e2.5	e2.4	e3.2	3.4	18	22	7.7	4.2	3.5
12	5.0	e3.2	e3.3	e2.5	e2.2	e3.3	3.3	16	21	7.4	4.1	3.0
13	5.0	e3.3	e3.4	e2.5	e2.3	e3.4	3.3	14	20	7.1	3.9	2.9
14	4.6	e3.3	e3.4	e2.5	e2.7	e3.4	3.3	13	20	7.4	3.7	2.8
15	4.7	e3.3	e3.4	e2.5	e2.7	e3.5	3.5	12	20	10	3.7	2.8
16	4.6	e3.2	e3.3	e2.5	e2.7	e3.5	3.9	12	19	9.0	3.6	2.6
17	4.6	e3.2	e3.2	e2.5	e2.7	e3.4	4.8	12	18	10	3.8	2.6
18	4.5	e3.2	e3.1	e2.4	e2.8	e3.6	5.2	13	18	9.6	5.4	2.6
19	4.4	e3.2	e3.0	e2.4	e2.9	e3.7	4.8	15	18	10	8.2	2.7
20	4.2	e3.4	e2.9	e2.4	e3.0	e3.9	4.5	17	17	11	6.3	2.8
21	4.2	e3.3	e2.8	e2.4	e3.1	e4.0	4.4	19	17	9.6	4.9	3.2
22	4.1	e3.2	e2.9	e2.4	e3.1	e4.1	4.2	18	17	8.7	4.5	3.3
23	4.1	e3.0	e2.8	e2.4	e3.2	e4.2	3.8	18	15	10	4.3	3.2
24	3.9	e3.2	e2.9	e2.4	e3.3	e4.3	4.0	17	15	9.8	3.9	3.3
25	e3.5	e3.4	e2.9	e2.4	e3.1	e4.4	3.7	16	14	8.2	3.7	3.3
26	e3.9	e3.3	e2.9	e2.4	e2.7	e4.5	3.9	16	15	7.7	3.6	3.4
27	4.1	e3.3	e2.8	e2.4	e3.0	e3.9	4.7	17	14	7.5	3.9	3.3
28	4.0	e3.2	e2.7	e2.4	e2.8	e3.0	5.2	18	14	8.0	4.0	3.3
29	3.9	e3.3	e2.7	e2.4	e2.7	e3.2	5.6	18	14	7.0	3.5	3.4
30	3.7	e3.4	e2.9	e2.4	---	e3.5	6.1	17	16	6.6	3.3	3.8
31	3.6	---	e3.0	e2.4	---	e3.6	---	16	---	6.3	3.2	---
TOTAL	142.5	100.1	97.1	79.1	77.4	106.6	121.3	444.1	537	288.9	142.3	96.4
MEAN	4.60	3.34	3.13	2.55	2.67	3.44	4.04	14.3	17.9	9.32	4.59	3.21
MAX	5.6	3.9	3.4	3.0	3.3	4.5	6.1	19	24	15	8.2	4.3
MIN	3.5	3.0	2.7	2.4	2.2	2.5	3.3	5.3	14	6.3	3.2	2.6
AC-FT	283	199	193	157	154	211	241	881	1,070	573	282	191

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	4.02	3.11	2.57	2.19	2.02	2.05	2.92	15.4	46.0	20.8	7.13	4.64
MAX	7.86	5.52	4.33	3.00	3.07	3.44	6.03	31.2	85.1	91.6	20.2	9.64
(WY)	(1985)	(1985)	(1985)	(1985)	(1998)	(2004)	(1985)	(2000)	(1984)	(1983)	(1983)	(1984)
MIN	2.55	1.82	1.38	1.20	1.21	1.10	1.49	4.39	12.3	4.15	2.22	2.12
(WY)	(1979)	(1976)	(1976)	(1976)	(1975)	(1975)	(1975)	(1983)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	3,866.7		2,232.8			
ANNUAL MEAN	10.6		6.10		9.41	
HIGHEST ANNUAL MEAN					18.1	
LOWEST ANNUAL MEAN					4.13	
HIGHEST DAILY MEAN	89	May 31	24	Jun 10	175	Jun 25, 1983
LOWEST DAILY MEAN	e1.3	Jan 26	e2.2	Feb 12	1.0	Jan 12, 1975
ANNUAL SEVEN-DAY MINIMUM	e1.5	Jan 24	e2.4	Feb 7	1.1	Feb 24, 1975
MAXIMUM PEAK FLOW			29		a241	
MAXIMUM PEAK STAGE			4.52		b4.30	
ANNUAL RUNOFF (AC-FT)	7,670		4,430		6,810	
10 PERCENT EXCEEDS	37		16		26	
50 PERCENT EXCEEDS	4.1		3.7		3.4	
90 PERCENT EXCEEDS	1.7		2.5		1.9	

e Estimated.

a From rating curve extended above 100 ft³/s.

b Maximum gage height, 5.44 ft, Jun 19, 1997, present site and datum.

09037500 WILLIAMS FORK NEAR PARSHALL, CO

LOCATION.--Lat 40°00'01", long 106°10'45", in SW 1/4 SW 1/4 sec.31, T.1 N., R.78 W., Grand County, Hydrologic Unit 14010001, on left bank 40 ft downstream from bridge on State Highway 286, 3.7 mi downstream from Skylark Creek, 3.9 mi south of Parshall, and 4.2 mi upstream from Williams Fork Reservoir Dam.

DRAINAGE AREA.--184 mi².

PERIOD OF RECORD.--July 1904 to September 1924, June 1933 to current year. Records since May 10, 1940, equivalent to earlier records if diversion to August P. Gumlick Tunnel is added to flow past station. Published as "near (Hot) Sulphur Springs", 1904-12, and as Williams River near Parshall, June 1933 to September 1958. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09037500

REVISED RECORDS.--WSP 1243: 1918. WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,808.95 ft above NGVD of 1929, (Denver Board of Water Commissioners Datum). See WSP 1733 for history of changes prior to Aug. 9, 1938. Aug. 10, 1938 to Aug. 19, 1983, gage located on right bank at present datum. Aug. 19, 1983 to May 14, 1991, gage located 120 ft downstream of present site on left bank at present datum, May 14, 1991 to Sep. 24, 2003, gage located 10 ft upstream from present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversion upstream from station through August P. Gumlick Tunnel (station 09035000). Diversions for irrigation of about 1,300 acres upstream from station, and about 2,500 acres downstream from station. About 150 acres upstream from station irrigated by diversions into the drainage area.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	35	e51	e42	e40	e38	77	101	116	136	18	14
2	49	41	e50	e42	e41	e38	83	98	114	145	17	14
3	49	49	e51	e42	e41	e39	87	104	115	138	17	14
4	45	48	e50	e42	e41	e39	80	119	132	107	15	15
5	43	44	e48	e40	e41	e39	86	142	142	86	15	16
6	43	49	e48	e42	e41	e38	94	178	180	84	16	15
7	42	50	e47	e41	e38	e39	98	187	220	70	15	15
8	41	49	e47	e41	e41	e39	93	197	257	65	15	15
9	40	46	e47	e41	e41	e39	101	200	245	58	15	15
10	39	50	e47	e41	e39	e39	93	206	231	55	14	15
11	46	50	e47	e41	e41	e39	83	235	183	53	14	15
12	42	46	e47	e41	e37	e40	82	220	152	50	14	15
13	40	50	e46	e41	e38	e40	81	201	124	48	14	15
14	38	51	e46	e40	e40	e40	85	181	133	45	13	14
15	39	49	e46	e40	e40	e40	86	149	140	45	13	15
16	38	42	e45	e40	e40	e40	90	144	133	49	13	15
17	47	50	e45	e40	e40	e40	101	148	130	48	13	15
18	56	49	e45	e40	e40	e41	110	147	136	48	15	15
19	54	48	e45	e40	e40	e43	96	163	121	37	19	15
20	53	56	e45	e40	e40	e46	94	198	101	26	37	15
21	53	53	e45	e40	e40	e51	91	211	125	22	57	18
22	52	e53	e45	e40	e40	e54	88	204	147	20	52	18
23	52	e46	e45	e40	e40	e56	83	186	116	20	51	17
24	50	e52	e44	e40	e41	e59	78	184	93	25	39	16
25	44	e53	e44	e40	e40	e61	80	183	81	38	16	17
26	31	e52	e44	e40	e38	e62	77	149	90	37	14	17
27	40	e51	e44	e40	e39	e61	85	147	81	36	14	17
28	39	e51	e43	e40	e39	56	98	135	93	36	15	18
29	39	e52	e42	e40	e38	64	102	165	92	30	14	18
30	38	e52	e42	e40	---	65	110	146	122	19	14	21
31	35	---	e42	e40	---	68	---	121	---	19	14	---
TOTAL	1,367	1,467	1,423	1,257	1,155	1,453	2,692	5,149	4,145	1,695	622	474
MEAN	44.1	48.9	45.9	40.5	39.8	46.9	89.7	166	138	54.7	20.1	15.8
MAX	56	56	51	42	41	68	110	235	257	145	57	21
MIN	31	35	42	40	37	38	77	98	81	19	13	14
AC-FT	2,710	2,910	2,820	2,490	2,290	2,880	5,340	10,210	8,220	3,360	1,230	940
a	549	329	230	127	97	174	355	3,047	4,155	1,083	793	510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2004, BY WATER YEAR (WY)

MEAN	59.8	50.9	42.1	37.1	35.2	39.5	79.9	270	550	210	85.1	61.3
MAX	151	80.9	65.6	59.5	53.9	87.8	199	711	1,243	855	245	153
(WY)	(1962)	(1985)	(1985)	(1910)	(1912)	(1910)	(1962)	(1984)	(1918)	(1983)	(1984)	(1909)
MIN	17.6	32.5	26.8	22.6	22.6	21.5	29.9	28.9	38.6	15.9	13.8	11.1
(WY)	(1956)	(1982)	(1950)	(1964)	(1964)	(1971)	(1981)	(1963)	(1954)	(2002)	(1988)	(1966)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1905 - 2004
ANNUAL TOTAL	51,717	22,899	
ANNUAL MEAN	142	b78.4	
HIGHEST ANNUAL MEAN			b132
LOWEST ANNUAL MEAN			c248
HIGHEST DAILY MEAN	e1,500	257	d2,520
LOWEST DAILY MEAN	21	13	f4.8
ANNUAL SEVEN-DAY MINIMUM	21	13	5.1
MAXIMUM PEAK FLOW		337	d2,620
MAXIMUM PEAK STAGE		3.28	6.05
ANNUAL RUNOFF (AC-FT)	102,600	b56,800	b95,630
10 PERCENT EXCEEDS	481	139	336
50 PERCENT EXCEEDS	45	45	52
90 PERCENT EXCEEDS	29	15	29

e Estimated.

a Diversions in acre-ft through August P. Gumlick Tunnel provided by Denver Water Board.

b Includes diversions through August P. Gumlick Tunnel.

c Does not include diversions through August P. Gumlick Tunnel.

d Site and datum then in use, from rating curve extended above 1,400 ft³/s.

f Also occurred May 8-10, 1972.

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO

LOCATION.--Lat 40°12'09", long 106°25'19", in SE¹/₄SE¹/₄ sec.23, T.3 N., R.81 W., Grand County, Hydrologic Unit 14010001, on left bank at upstream side of box culverts on U.S. Highway 40, 10.9 mi north of Kremmling.

DRAINAGE AREA.--145 mi².

PERIOD OF RECORD.--April 1990 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09041090

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,520 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.5	e5.4	e7.0	e12	e9.9	e6.6	34	110	29	17	5.1	2.9
2	e7.6	e5.4	e7.2	e12	e9.7	e6.5	40	109	25	13	6.5	2.6
3	e7.7	e5.3	e7.4	e12	e9.5	e6.4	47	133	25	10	7.7	2.6
4	e12	e5.3	e7.5	e12	e9.5	e6.3	41	214	24	8.9	5.9	2.8
5	e7.9	e5.3	e7.6	e12	e9.5	e5.9	58	254	23	8.9	5.0	3.5
6	e8.0	e5.2	e7.7	e12	e9.2	e5.7	64	276	23	8.6	4.8	4.6
7	e8.1	e5.2	e7.9	e12	e9.1	e5.8	82	305	24	8.2	4.8	4.9
8	7.2	e5.2	e8.1	e12	e9.0	e6.0	105	300	26	6.7	4.2	3.7
9	7.1	e5.1	e8.3	e12	e8.5	e6.1	99	285	23	4.7	3.6	3.1
10	7.5	e5.1	e8.5	e12	e8.4	e6.4	90	265	22	4.5	3.0	2.9
11	7.2	e5.1	e8.7	e12	e7.9	e6.7	68	281	21	4.5	2.6	3.3
12	7.6	e5.0	e8.8	e11	e7.2	e7.3	60	237	21	4.3	2.4	3.8
13	7.8	e5.0	e8.8	e12	e6.7	e7.4	52	180	25	4.4	2.4	3.3
14	7.2	e4.9	e8.9	e12	e6.4	e7.2	57	149	20	4.4	2.2	1.8
15	6.6	e4.8	e9.1	e12	e6.3	e7.3	68	130	17	4.3	2.3	1.7
16	6.3	e4.7	e9.2	e12	e6.3	e7.7	77	144	15	4.4	2.5	1.9
17	6.2	e4.6	e9.5	e12	e6.1	e7.7	104	147	17	4.6	2.5	1.8
18	e6.2	e4.6	e9.7	e12	e6.0	e7.9	139	155	21	5.0	3.3	1.7
19	e6.2	e4.7	e9.7	e12	e6.4	e8.3	117	185	28	5.2	5.5	2.1
20	e6.0	e4.9	e9.7	e12	e6.4	e22	105	189	24	4.9	6.6	2.5
21	e6.0	e5.1	e9.7	e12	e6.4	e30	93	158	23	4.9	5.4	6.6
22	e5.9	e5.3	e9.9	e11	e6.4	e45	74	137	25	6.6	4.7	7.6
23	e5.8	e5.5	e10	e11	e6.6	e60	60	102	17	9.0	4.0	6.0
24	5.8	e5.7	e10	e11	e7.0	63	50	92	13	9.7	3.6	6.1
25	5.9	e5.9	e10	e11	e7.0	56	51	94	9.4	10	3.4	7.3
26	5.8	e6.0	e11	e11	e7.1	58	49	83	12	8.9	3.2	7.8
27	e5.8	e6.2	e11	e11	e7.3	58	64	50	9.9	6.4	3.6	7.1
28	e5.7	e6.4	e11	e11	e7.3	38	106	54	9.5	4.8	3.9	6.1
29	e5.6	e6.6	e11	e11	e7.1	34	129	51	8.9	4.7	4.0	5.3
30	e5.6	e6.8	e12	e11	---	32	135	57	10	4.7	3.3	7.8
31	e5.5	---	e12	e9.6	---	32	---	39	---	5.0	3.0	---
TOTAL	211.3	160.3	286.9	359.6	220.2	657.2	2,318	4,965	590.7	211.2	125.0	125.2
MEAN	6.82	5.34	9.25	11.6	7.59	21.2	77.3	160	19.7	6.81	4.03	4.17
MAX	12	6.8	12	12	9.9	63	139	305	29	17	7.7	7.8
MIN	5.5	4.6	7.0	9.6	6.0	5.7	34	39	8.9	4.3	2.2	1.7
AC-FT	419	318	569	713	437	1,300	4,600	9,850	1,170	419	248	248

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

	8.80	8.90	8.34	7.83	8.11	19.9	92.9	346	138	14.1	10.7	8.83
MEAN	8.80	8.90	8.34	7.83	8.11	19.9	92.9	346	138	14.1	10.7	8.83
MAX	38.2	26.4	21.8	20.3	18.7	53.4	152	659	366	52.2	27.5	45.2
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(2000)	(1997)	(1995)	(1995)	(1997)	(1997)
MIN	4.23	4.36	2.82	2.03	3.00	9.86	40.8	76.8	6.09	2.69	2.63	2.06
(WY)	(2003)	(1995)	(1991)	(2003)	(1991)	(2001)	(1995)	(2002)	(2002)	(1994)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	18,255.8		10,230.6			
ANNUAL MEAN	50.0		28.0		57.4	
HIGHEST ANNUAL MEAN					109	1997
LOWEST ANNUAL MEAN					16.1	2002
HIGHEST DAILY MEAN	563	May 25	305	May 7	908	May 18, 1996
LOWEST DAILY MEAN	e1.6	Jan 16	1.7	Sep 15	0.80	Sep 8, 2002
ANNUAL SEVEN-DAY MINIMUM	e1.7	Jan 12	1.9	Sep 14	0.95	Sep 4, 2002
MAXIMUM PEAK FLOW			357	May 7	955	Jun 20, 1994
MAXIMUM PEAK STAGE			4.58	May 7	a7.36	Jun 20, 1994
ANNUAL RUNOFF (AC-FT)	36,210		20,290		41,610	
10 PERCENT EXCEEDS	136		85		170	
50 PERCENT EXCEEDS	8.8		7.9		10	
90 PERCENT EXCEEDS	3.6		4.0		3.9	

e Estimated.

a Maximum gage height, 7.43 ft, May 18, 1996 and May 17, 1997.

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO

LOCATION.--Lat 40°06'31", long 106°24'48", in NW¹/₄SE¹/₄ sec.25, T.2 N., R.81 W., Grand County, Hydrologic Unit 14010001, on left bank 1,500 ft downstream from Wolford Mountain Reservoir, and 4 mi northwest of Kremmling.

DRAINAGE AREA.--270 mi².

PERIOD OF RECORD.--July 1995 to current year. For a complete listing of historical data available for this site see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09041400

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,380 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated data which is fair. Flow is entirely regulated by Wolford Mountain Reservoir.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	14	13	14	15	13	15	20	56	21	18	155
2	20	15	13	15	14	13	15	18	56	21	75	157
3	20	15	13	15	14	13	15	19	56	20	141	156
4	20	15	13	15	14	13	15	43	39	21	142	157
5	21	15	13	15	14	13	15	58	29	21	138	158
6	21	15	13	15	14	14	15	59	29	21	137	159
7	21	15	13	15	14	13	15	59	29	20	137	148
8	22	15	14	15	14	13	15	59	29	20	139	145
9	22	15	15	15	14	13	15	59	30	65	150	150
10	22	15	14	15	14	17	16	59	30	106	155	150
11	22	15	14	15	14	21	16	59	30	105	155	150
12	22	15	14	15	14	21	16	60	30	104	155	151
13	22	15	14	15	14	21	15	60	30	89	176	150
14	22	15	14	15	14	21	16	59	30	58	186	149
15	21	15	15	15	14	23	19	58	30	56	186	150
16	20	15	14	15	15	31	23	58	30	50	185	160
17	20	15	14	15	15	34	22	42	31	46	186	167
18	20	14	15	15	14	29	22	34	31	46	172	e168
19	20	14	15	15	14	23	21	32	31	45	154	e168
20	20	14	15	15	14	23	20	32	31	60	151	e163
21	20	14	15	15	14	14	21	32	31	67	e151	e159
22	19	14	15	15	14	11	21	33	30	69	e151	e159
23	15	14	15	15	13	13	21	33	30	59	e160	159
24	15	14	15	15	13	13	21	32	30	40	169	159
25	15	14	15	15	13	13	21	33	30	40	169	160
26	15	14	15	15	13	13	19	33	30	39	169	160
27	15	14	15	15	13	13	19	41	30	39	161	175
28	15	13	14	15	13	14	19	58	26	34	157	198
29	15	13	15	15	13	14	20	57	22	26	152	217
30	14	13	14	15	---	13	20	58	22	30	149	221
31	15	---	14	15	---	14	---	57	---	24	150	---
TOTAL	591	433	440	464	402	527	543	1,414	968	1,462	4,676	4,878
MEAN	19.1	14.4	14.2	15.0	13.9	17.0	18.1	45.6	32.3	47.2	151	163
MAX	22	15	15	15	15	34	23	60	56	106	186	221
MIN	14	13	13	14	13	11	15	18	22	20	18	145
AC-FT	1,170	859	873	920	797	1,050	1,080	2,800	1,920	2,900	9,270	9,680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	68.1	26.5	20.7	21.2	22.4	35.5	78.6	210	166	68.0	98.2	110
MAX	172	46.5	32.7	32.3	34.4	75.8	249	454	492	99.6	153	189
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)	(1996)	(1998)	(1997)	(2000)	(1996)	(1998)
MIN	19.1	14.4	7.07	15.0	13.8	17.0	18.1	41.6	28.8	22.5	23.4	20.0
(WY)	(2004)	(2004)	(1996)	(2004)	(2003)	(2004)	(2004)	(2003)	(2003)	(2002)	(2003)	(2003)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1995 - 2004

ANNUAL TOTAL	9,543.1	16,798		
ANNUAL MEAN	26.1	45.9		78.4
HIGHEST ANNUAL MEAN				129
LOWEST ANNUAL MEAN				34.3
HIGHEST DAILY MEAN	123	Jul 11	221	Sep 30
LOWEST DAILY MEAN	7.1	Feb 22	11	Mar 22
ANNUAL SEVEN-DAY MINIMUM	10	Feb 21	13	Mar 21
MAXIMUM PEAK FLOW			225	Sep 29
MAXIMUM PEAK STAGE			5.60	Sep 29
ANNUAL RUNOFF (AC-FT)	18,930	33,320	56,790	8.39
10 PERCENT EXCEEDS	46	154	180	
50 PERCENT EXCEEDS	20	20	33	
90 PERCENT EXCEEDS	14	14	19	

e Estimated.

09041900 MONTE CRISTO DIVERSION NEAR HOOSIER PASS, CO

LOCATION.--Lat 39°22'51", long 106°04'15", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.8 S., R.78W., Summit County, Hydrologic Unit 14010002, on left bank at entrance to Hoosier Pass Tunnel, 2,200 ft downstream from diversion point, 1.4 mi northwest of Hoosier Pass, and 7 mi southwest of Breckenridge.

PERIOD OF RECORD.--October 1957 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09041900

GAGE.--Water-stage recorder with satellite telemetry, and Parshall flume. Elevation of gage is 10,986 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. This is a transmountain diversion from Monte Cristo Creek in Blue River Basin through Hoosier Pass Tunnel to South Platte River Basin from which it is again diverted to South Catamount Creek in the Arkansas River Basin. Water is for municipal use by city of Colorado Springs. Diversion point is in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.8 S., R.78 W. The entire flow is regulated by diversion gates.

COOPERATION.--Gage-height record collected in cooperation with city of Colorado Springs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 73 ft³/s, Aug. 12-14, 1980 and Sept. 29, 1994; no flow for most of each year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	---	---	---	---	---	e0.00	0.58	1.5	2.8	e0.00	e0.00
2	40	---	---	---	---	---	e0.00	0.57	1.6	2.3	e0.00	e0.00
3	39	---	---	---	---	---	e0.00	0.95	1.9	1.9	e0.00	e0.00
4	37	---	---	---	---	---	e0.00	2.3	2.1	1.5	e0.00	e0.00
5	36	---	---	---	---	---	e0.00	4.1	2.5	1.4	e0.00	e0.00
6	35	---	---	---	---	---	e0.00	5.1	2.9	1.3	e0.00	e0.00
7	34	---	---	---	---	---	e0.00	5.1	3.0	1.2	e0.00	e0.00
8	33	---	---	---	---	---	e0.71	4.7	3.0	1.2	e0.00	e0.00
9	29	---	---	---	---	---	0.72	4.4	3.1	1.1	e0.00	e0.00
10	26	---	---	---	---	---	0.71	4.7	3.0	1.0	e0.00	e0.00
11	22	---	---	---	---	---	0.64	4.8	2.3	0.97	e0.00	e0.00
12	21	---	---	---	---	---	0.58	3.9	1.9	0.94	e0.00	e0.00
13	21	---	---	---	---	---	0.54	2.8	1.7	0.87	e0.00	e0.00
14	16	---	---	---	---	---	0.47	2.0	1.6	0.94	e0.00	e0.00
15	8.4	---	---	---	---	---	0.53	2.0	1.6	1.1	e0.00	e0.00
16	4.2	---	---	---	---	---	0.53	2.2	1.6	0.62	e0.00	e0.00
17	e0.00	---	---	---	---	---	0.50	2.3	1.6	e0.00	e0.00	e0.00
18	e0.00	---	---	---	---	---	0.47	2.9	1.8	e0.00	e0.00	e0.00
19	e0.00	---	---	---	---	---	0.65	4.2	1.7	e0.00	e0.00	e0.00
20	e0.00	---	---	---	---	---	0.79	5.2	1.6	e0.00	e0.00	e0.00
21	e0.00	---	---	---	---	---	0.79	4.9	1.7	e0.00	e0.00	e0.00
22	e0.00	---	---	---	---	---	0.67	4.1	1.6	e0.00	e0.00	e0.00
23	e0.00	---	---	---	---	---	0.58	3.3	1.4	e0.00	e0.00	e0.00
24	e0.00	---	---	---	---	---	0.58	2.9	1.3	e0.00	e0.00	e0.00
25	e0.00	---	---	---	---	---	0.58	2.6	1.3	e0.00	e0.00	e0.00
26	e0.00	---	---	---	---	---	0.58	2.2	1.4	e0.00	e0.00	e0.00
27	e0.00	---	---	---	---	---	0.58	2.1	1.6	e0.00	e0.00	e0.00
28	e0.00	---	---	---	---	---	0.64	2.3	1.8	e0.00	e0.00	e0.00
29	e0.00	---	---	---	---	---	0.58	2.3	2.2	e0.00	e0.00	e0.00
30	e0.00	---	---	---	---	---	0.58	2.1	3.1	e0.00	e0.00	e0.00
31	e0.00	---	---	---	---	---	---	1.7	---	e0.00	e0.00	---
TOTAL	441.60	---	---	---	---	---	14.00	95.30	59.4	21.14	0.00	0.00
MEAN	14.2	---	---	---	---	---	0.47	3.07	1.98	0.68	0.00	0.00
MAX	40	---	---	---	---	---	0.79	5.2	3.1	2.8	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.57	1.3	0.00	0.00	0.00
AC-FT	876	---	---	---	---	---	28	189	118	42	0.00	0.00

e Estimated.

09044300 BEMROSE-HOOSIER DIVERSION NEAR HOOSIER PASS, CO

LOCATION.--Lat 39°22'50", long 106°04'13", in NE¹/₄SE¹/₄ sec.2, T.8 S., R.78 W., Summit County, Hydrologic Unit 14010002, on right bank at entrance to Hoosier Pass Tunnel, 1.4 mi northwest of Hoosier Pass, 1.6 mi downstream from diversion point on Bemrose Creek, and 7 mi southwest of Breckenridge.

PERIOD OF RECORD.--October 1957 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09044300

GAGE.--Water-stage recorder with satellite telemetry, and Parshall flume. Elevation of gage is 10,986 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. This is a transmountain diversion from Bemrose and Hoosier Creeks in Blue River Basin through Hoosier Pass Tunnel to South Platte River Basin from which it is again diverted to South Catamount Creek in the Arkansas River Basin. Water is for municipal use by city of Colorado Springs. Diversion points are in SW¹/₄SW¹/₄ sec.6, T.8 S., R.77 W., and in sec.12, T.8 S., R.78 W. The entire flow is regulated by diversion gates.

COOPERATION.--Gage-height record collected in cooperation with City of Colorado Springs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 44 ft³/s, June 21, 1965; no flow for most of each year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	0.00	1.1	4.9	5.2	1.7	e0.00
2	0.00	---	---	---	---	---	e0.00	1.2	5.1	5.0	1.7	e0.00
3	0.00	---	---	---	---	---	e0.00	1.5	5.5	4.5	1.7	e0.00
4	0.00	---	---	---	---	---	e0.00	2.0	6.4	4.2	1.6	e0.00
5	0.00	---	---	---	---	---	e0.00	2.8	7.8	4.1	1.6	e0.00
6	0.00	---	---	---	---	---	e0.00	3.1	9.2	4.1	1.5	e0.00
7	0.00	---	---	---	---	---	e0.00	3.3	9.4	3.6	1.4	e0.00
8	0.00	---	---	---	---	---	e0.85	3.6	8.8	3.7	1.4	e0.00
9	0.00	---	---	---	---	---	e0.97	3.4	9.1	3.5	e0.83	e0.00
10	0.00	---	---	---	---	---	e0.00	3.5	8.6	3.4	e0.00	e0.00
11	0.00	---	---	---	---	---	e0.00	4.0	7.4	3.2	e0.00	e0.00
12	0.00	---	---	---	---	---	e0.00	2.7	6.7	3.1	e0.00	e0.00
13	0.00	---	---	---	---	---	e0.00	2.2	6.4	3.1	e0.00	e0.00
14	0.00	---	---	---	---	---	e1.0	1.9	6.5	3.3	e0.00	e0.00
15	0.00	---	---	---	---	---	e1.1	2.0	6.3	3.1	e0.00	e0.00
16	0.00	---	---	---	---	---	e1.0	2.2	6.2	3.0	e0.00	e0.00
17	0.00	---	---	---	---	---	1.2	2.0	6.0	2.6	e0.00	e0.00
18	0.00	---	---	---	---	---	1.3	2.6	6.2	2.4	e0.00	e0.00
19	0.00	---	---	---	---	---	e1.1	4.4	6.0	2.4	e0.00	e0.00
20	0.00	---	---	---	---	---	e0.00	5.7	5.7	2.3	e0.00	e0.00
21	0.00	---	---	---	---	---	e0.00	6.1	5.8	2.2	e0.20	e0.00
22	0.00	---	---	---	---	---	e0.00	5.7	5.5	2.2	1.4	e0.56
23	0.00	---	---	---	---	---	e0.00	5.2	5.1	2.2	1.4	e1.0
24	0.00	---	---	---	---	---	e0.00	5.1	4.9	2.2	1.3	1.3
25	0.00	---	---	---	---	---	e0.00	5.2	4.9	2.1	e0.35	1.3
26	0.00	---	---	---	---	---	e0.00	4.9	4.9	2.0	e0.00	1.3
27	0.00	---	---	---	---	---	e1.0	e4.9	4.9	1.9	e0.00	1.3
28	0.00	---	---	---	---	---	1.2	5.4	4.9	1.9	e0.00	1.3
29	0.00	---	---	---	---	---	1.2	5.5	5.5	1.9	e0.00	e0.63
30	0.00	---	---	---	---	---	1.1	5.2	5.7	1.8	e0.00	e0.00
31	0.00	---	---	---	---	---	---	4.9	---	1.8	e0.00	---
TOTAL	0.00	---	---	---	---	---	13.02	113.3	190.3	92.0	18.08	8.69
MEAN	0.00	---	---	---	---	---	0.43	3.65	6.34	2.97	0.58	0.29
MAX	0.00	---	---	---	---	---	1.3	6.1	9.4	5.2	1.7	1.3
MIN	0.00	---	---	---	---	---	0.00	1.1	4.9	1.8	0.00	0.00
AC-FT	0.00	---	---	---	---	---	26	225	377	182	36	17

e Estimated.

09044800 MCCULLOUGH-SPRUCE-CRYSTAL DIVERSION NEAR HOOSIER PASS, CO

LOCATION.--Lat 39°22'51", long 106°04'14", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.8 S., R.78 W., Summit County, Hydrologic Unit 14010002, on left bank at entrance to Hoosier Pass Tunnel, 1.4 mi northwest of Hoosier Pass, 1.6 mi downstream from diversion point on McCullough Gulch, and 7 mi southwest of Breckenridge.

PERIOD OF RECORD.--October 1957 to current year (seasonal records only). Prior to October 1961, Published as McCullough Diversion near Hoosier Pass. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09044800

GAGE.--Water-stage recorder with satellite telemetry, and Parshall flume. Elevation of gage is 10,986 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. This is a transmountain diversion from McCullough Gulch and Spruce and Crystal Creeks in Blue River Basin through Hoosier Pass Tunnel to South Platte River Basin from which it is again diverted to South Catamount Creek in the Arkansas River Basin. Water is for municipal use by city of Colorado Springs. Diversion points are in secs.14, 23, and 26, T.7 S., R.78 W. The entire flow is regulated by diversion gates.

COOPERATION.--Gage-height record collected in cooperation with City of Colorado Springs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 142 ft³/s, May 30, 2003; no flow for most of each year.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	---	---	---	---	---	0.00	0.81	11	38	e0.00	e0.00
2	e0.00	---	---	---	---	---	0.00	0.98	13	36	e0.00	e0.00
3	e0.00	---	---	---	---	---	0.00	2.1	18	31	e0.00	e0.00
4	e0.00	---	---	---	---	---	0.00	4.1	26	27	e0.00	e0.00
5	e0.00	---	---	---	---	---	0.00	7.1	37	25	e0.00	e0.00
6	e0.00	---	---	---	---	---	0.00	10	51	27	e0.00	e0.00
7	e0.00	---	---	---	---	---	0.00	12	57	26	e0.00	e0.00
8	e0.00	---	---	---	---	---	0.00	12	59	26	e0.00	e0.00
9	e0.00	---	---	---	---	---	e0.00	13	65	25	e0.00	e0.00
10	e0.00	---	---	---	---	---	e0.00	15	56	25	e0.00	e0.00
11	e0.00	---	---	---	---	---	e0.00	18	33	24	e0.00	e0.00
12	e0.00	---	---	---	---	---	e0.00	16	24	24	e0.00	e0.00
13	e0.00	---	---	---	---	---	e0.44	11	24	25	e0.00	e0.00
14	e0.00	---	---	---	---	---	0.63	8.0	35	30	e0.00	e0.00
15	e0.00	---	---	---	---	---	0.79	6.8	40	42	e0.00	e0.00
16	e0.00	---	---	---	---	---	0.98	7.8	38	e31	e0.00	e0.00
17	e0.00	---	---	---	---	---	1.4	8.7	34	e0.00	e0.00	e0.00
18	e0.00	---	---	---	---	---	1.3	13	34	e0.00	e0.00	e0.00
19	e0.00	---	---	---	---	---	1.1	23	33	e0.00	e0.00	e0.00
20	e0.00	---	---	---	---	---	0.90	30	34	e0.00	e0.00	e0.00
21	e0.00	---	---	---	---	---	0.83	29	32	e0.00	e0.00	e0.00
22	e0.00	---	---	---	---	---	0.62	28	24	e0.00	e0.00	e0.00
23	e0.00	---	---	---	---	---	0.50	21	22	e0.00	e0.00	e0.00
24	e0.00	---	---	---	---	---	0.50	19	24	e0.00	e0.00	e0.00
25	e0.00	---	---	---	---	---	0.50	18	25	e0.00	e0.00	e0.00
26	e0.00	---	---	---	---	---	0.50	16	26	e0.00	e0.00	e0.00
27	e0.00	---	---	---	---	---	0.72	16	26	e0.00	e0.00	e0.00
28	e0.00	---	---	---	---	---	1.2	21	32	e0.00	e0.00	e0.00
29	e0.00	---	---	---	---	---	1.1	24	36	e0.00	e0.00	e0.00
30	e0.00	---	---	---	---	---	0.98	16	43	e0.00	e0.00	e0.00
31	e0.00	---	---	---	---	---	---	12	---	e0.00	e0.00	---
TOTAL	0.00	---	---	---	---	---	14.99	439.39	1,012	462.00	0.00	0.00
MEAN	0.00	---	---	---	---	---	0.50	14.2	33.7	14.9	0.00	0.00
MAX	0.00	---	---	---	---	---	1.4	30	65	42	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.81	11	0.00	0.00	0.00
AC-FT	0.00	---	---	---	---	---	30	872	2,010	916	0.00	0.00

e Estimated.

09046530 FRENCH GULCH AT BRECKENRIDGE, CO

LOCATION.--Lat. 39°29'35", long. 106°02'39", in SE¹/₄SW¹/₄, sec.30, T.6 S, R.77 W, Summit County, Hydrologic Unit 14010002, on left bank, 300 ft south of Summit Co. Rd. 450, 200 ft upstream from bridge on Hwy. 9, in Breckenridge.

DRAINAGE AREA.--10.9 mi².

PERIOD OF RECORD.--October 1995 to September 2003. October 2003 to September 2004 (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09046530

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,510 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No diversion or regulation upstream from gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 124 ft³/s, June 5, 1997, gage height, 7.09 ft; minimum daily, 1.2 ft³/s, Feb. 23, 2002.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 19 ft³/s, June 10, gage height, 5.90 ft; minimum daily, 2.3 ft³/s, Apr. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	---	---	---	---	---	2.3	3.2	9.4	9.7	5.9	4.1
2	4.2	---	---	---	---	---	2.4	3.2	9.2	9.3	6.1	4.0
3	4.2	---	---	---	---	---	2.4	3.3	9.2	8.9	6.0	3.8
4	4.0	---	---	---	---	---	2.4	3.7	10	8.5	5.6	3.8
5	3.9	---	---	---	---	---	2.5	4.5	10	8.4	5.6	4.2
6	3.7	---	---	---	---	---	2.6	5.5	12	8.2	5.4	4.1
7	3.6	---	---	---	---	---	2.6	5.9	15	7.9	5.2	3.7
8	3.5	---	---	---	---	---	2.6	6.5	16	7.6	4.9	3.5
9	3.5	---	---	---	---	---	2.8	7.0	16	7.3	4.5	3.4
10	3.4	---	---	---	---	---	2.7	7.5	17	7.1	4.3	3.4
11	3.6	---	---	---	---	---	2.5	8.6	15	7.0	4.0	3.3
12	3.4	---	---	---	---	---	2.5	9.0	13	6.7	3.9	3.2
13	3.3	---	---	---	---	---	2.5	7.9	12	6.5	3.8	3.2
14	3.3	---	---	---	---	---	2.5	7.0	12	6.5	3.7	3.2
15	3.2	---	---	---	---	---	2.6	6.5	12	7.0	3.5	3.2
16	3.2	---	---	---	---	---	2.6	6.3	12	8.0	3.5	3.2
17	3.1	---	---	---	---	---	2.8	7.0	12	10	3.5	3.1
18	3.1	---	---	---	---	---	3.1	6.9	11	8.9	3.9	3.1
19	e3.0	---	---	---	---	---	3.1	8.4	11	8.2	6.3	3.0
20	e3.0	---	---	---	---	---	3.0	10	11	8.4	7.7	3.0
21	e3.0	---	---	---	---	---	3.0	11	11	8.8	7.0	3.9
22	e2.9	---	---	---	---	---	2.9	11	10	8.4	6.4	4.3
23	e2.9	---	---	---	---	---	2.8	10	9.8	9.2	6.4	4.0
24	e2.9	---	---	---	---	---	2.7	9.6	9.5	9.4	5.9	3.9
25	e2.8	---	---	---	---	---	2.7	9.6	9.6	8.5	5.7	3.7
26	e2.8	---	---	---	---	---	2.7	9.4	9.9	8.1	5.5	3.6
27	e2.8	---	---	---	---	---	2.8	9.5	9.8	8.1	5.3	3.5
28	e2.8	---	---	---	---	---	3.0	9.8	9.6	7.4	5.3	3.5
29	e2.8	---	---	---	---	---	3.1	10	9.6	6.9	4.7	3.5
30	e2.8	---	---	---	---	---	3.3	10	9.7	6.7	4.5	3.8
31	e2.8	---	---	---	---	---	---	9.6	---	6.4	4.3	---
TOTAL	101.5	---	---	---	---	---	81.5	237.4	343.3	248.0	158.3	107.2
MEAN	3.27	---	---	---	---	---	2.72	7.66	11.4	8.00	5.11	3.57
MAX	4.2	---	---	---	---	---	3.3	11	17	10	7.7	4.3
MIN	2.8	---	---	---	---	---	2.3	3.2	9.2	6.4	3.5	3.0
AC-FT	201	---	---	---	---	---	162	471	681	492	314	213

e Estimated.

09047500 SNAKE RIVER NEAR MONTEZUMA, CO

LOCATION.--Lat 39°36'20", long 105°56'33", in NW¹/₄ sec.19, T.5 S., R.76 W. (projected), Summit County, Hydrologic Unit 14010002, on right bank 200 ft downstream from North Fork and 4.5 mi northwest of Montezuma.

DRAINAGE AREA.--57.7 mi².

PERIOD OF RECORD.--July 1942 to September 1946, October 1951 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09047500

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,320 ft above NGVD of 1929, from topographic map. Prior to Oct. 14, 1943, nonrecording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Small diversions upstream from station for irrigation and domestic use.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	24	e24	e20	e12	e9.0	e23	26	89	84	39	e21
2	39	24	e24	e20	e12	e11	e23	27	90	73	40	21
3	42	26	e23	e20	e12	e11	e24	34	95	67	39	21
4	39	28	e22	e20	e12	e12	e25	43	101	64	36	22
5	36	28	e22	e19	e12	e12	e25	56	107	62	37	26
6	34	27	e22	e19	e12	e12	e26	71	126	60	35	26
7	33	25	e22	e19	e12	e12	e27	83	143	59	33	24
8	32	24	e22	e19	e12	e13	e28	88	141	57	32	22
9	33	24	e21	e19	e12	e13	e29	90	141	54	30	21
10	32	24	e21	e19	e12	e13	22	98	140	53	29	22
11	36	24	e21	e19	e12	e14	25	106	118	51	28	23
12	32	26	e21	e19	e12	e14	24	95	104	49	28	21
13	31	25	e21	e18	e12	e14	24	75	97	47	27	21
14	29	24	e21	e18	e12	e14	23	65	101	47	26	20
15	29	29	e20	e18	e12	e14	22	61	101	58	26	20
16	29	e28	e20	e18	e12	e15	24	64	99	68	26	20
17	28	e28	e20	e13	e10	e15	27	67	98	80	26	19
18	28	e28	e20	e13	e10	e15	28	75	98	77	31	19
19	28	e28	e20	e13	e10	e16	26	104	89	67	36	19
20	28	e29	e20	e13	e10	e16	24	131	86	65	37	20
21	29	e26	e20	e13	e9.9	e17	23	135	95	60	32	23
22	30	e24	e20	e12	e9.8	e19	23	128	86	57	31	25
23	27	e24	e20	e12	e9.8	e20	23	113	76	60	e29	23
24	26	e24	e20	e12	e9.6	e21	23	111	72	61	e28	24
25	26	e27	e20	e12	e9.4	e23	21	107	73	52	e27	26
26	27	e27	e20	e12	e9.4	e30	22	102	77	49	e26	26
27	27	e27	e20	e12	e9.4	e31	26	105	77	48	e25	25
28	27	e26	e20	e12	e9.4	e31	29	116	78	46	e24	25
29	25	e25	e20	e12	e9.4	e29	28	117	82	44	e23	25
30	25	e25	e20	e12	---	e27	27	96	90	43	e22	28
31	24	---	e20	e12	---	e26	---	91	---	42	e22	---
TOTAL	948	778	647	489	318.1	539.0	744	2,680	2,970	1,804	930	678
MEAN	30.6	25.9	20.9	15.8	11.0	17.4	24.8	86.5	99.0	58.2	30.0	22.6
MAX	42	29	24	20	12	31	29	135	143	84	40	28
MIN	24	24	20	12	9.4	9.0	21	26	72	42	22	19
AC-FT	1,880	1,540	1,280	970	631	1,070	1,480	5,320	5,890	3,580	1,840	1,340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2004, BY WATER YEAR (WY)

MEAN	27.5	19.9	15.6	12.4	10.9	10.9	18.3	101	280	144	65.1	38.0
MAX	66.9	39.5	25.9	18.0	16.4	17.4	35.4	216	520	385	177	90.7
(WY)	(1985)	(1985)	(1985)	(1985)	(1997)	(2004)	(1946)	(1958)	(1997)	(1995)	(1984)	(1984)
MIN	16.1	11.8	9.90	7.03	7.00	7.40	8.34	28.7	55.8	29.0	22.9	18.0
(WY)	(1945)	(1965)	(1978)	(1963)	(1946)	(1973)	(1973)	(1995)	(2002)	(2002)	(2002)	(1977)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1943 - 2004	
ANNUAL TOTAL	28,700		13,525.1			
ANNUAL MEAN	78.6		37.0		62.0	
HIGHEST ANNUAL MEAN					95.8	
LOWEST ANNUAL MEAN					25.2	
HIGHEST DAILY MEAN	626	May 31	143	Jun 7	870	Jun 22, 1995
LOWEST DAILY MEAN	12	Mar 4	e9.0	Mar 1	5.0	Feb 26, 1964
ANNUAL SEVEN-DAY MINIMUM	13	Mar 1	9.4	Feb 24	6.0	Jan 9, 1963
MAXIMUM PEAK FLOW			184	Jun 7	1,250	Jun 10, 1952
MAXIMUM PEAK STAGE			2.08	Jun 7	a3.51	Jun 10, 1952
ANNUAL RUNOFF (AC-FT)	56,930		26,830		44,930	
10 PERCENT EXCEEDS	262		89		172	
50 PERCENT EXCEEDS	26		26		23	
90 PERCENT EXCEEDS	14		12		10	

e Estimated.

a Maximum gage height, 3.88 ft, Jun 6, 1972.

09050100 TENMILE CREEK BELOW NORTH TENMILE CREEK AT FRISCO, CO

LOCATION.--Lat 39°34'31", long 106°06'36", in SE ¼ NW ¼ sec.34, T.5 S., R.78 W., Summit County, Hydrologic Unit 14010002, on right bank 220 ft upstream from bridge on U.S. Highway 6, 160 ft downstream from North Tenmile Creek, and 0.6 mi west of Frisco.

DRAINAGE AREA.--93.3 mi².

PERIOD OF RECORD.--October 1957 to current year. Prior to October 1971, published as "below North Fork, at Frisco." For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09050100

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,100 ft above NGVD of 1929, from topographic map. Prior to Apr. 21, 1981 at site 720 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by a few small diversions upstream from station for irrigation and municipal use, and transbasin diversion from Robinson Reservoir, capacity 2,520 acre-ft, in Eagle River Basin.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	20	e13	e11	e11	e9.8	33	66	178	141	50	24
2	33	21	e13	e11	e11	e9.6	36	70	185	125	51	23
3	36	24	e12	e11	e11	e9.2	34	86	211	112	52	23
4	34	21	e12	e11	e11	e9.5	33	119	240	103	50	24
5	36	21	e12	e11	e11	e9.8	38	152	264	96	51	30
6	34	21	e12	e11	e11	e9.9	40	197	314	98	50	31
7	34	21	e12	e11	e11	e9.9	45	226	344	89	47	29
8	33	21	e12	e11	e11	e9.9	50	238	331	85	45	27
9	33	20	e12	e11	e11	e10	51	237	315	81	42	26
10	33	23	e12	e11	e11	e10	47	261	289	77	39	26
11	37	23	e12	e11	e11	e11	45	298	240	75	37	26
12	32	21	e12	e11	e11	e11	44	269	206	70	36	24
13	30	21	e12	e11	e11	e11	43	212	200	67	35	24
14	25	23	e12	e11	e11	e12	46	189	217	65	33	23
15	25	e22	e12	e11	e11	e12	50	176	224	81	32	27
16	23	e22	e12	e11	e10	e12	55	181	207	90	31	29
17	23	e21	e12	e11	e10	e13	60	191	172	108	31	27
18	23	e21	e12	e11	e10	e14	63	209	179	98	32	27
19	23	e21	e12	e11	e10	e14	57	261	166	86	51	28
20	22	e21	e12	e11	e10	e16	56	305	158	89	51	29
21	22	e21	e12	e11	e10	e17	56	312	163	82	47	33
22	22	e19	e12	e11	e10	e22	53	289	148	75	47	40
23	22	e18	e12	e11	e10	e28	49	260	130	75	50	38
24	20	e20	e12	e11	e10	35	47	247	121	79	44	41
25	17	e18	e12	e11	e10	36	48	228	116	70	41	42
26	16	e16	e11	e11	e10	38	48	219	119	65	37	42
27	20	e16	e11	e11	e10	37	54	218	114	65	35	40
28	21	e16	e11	e11	e9.8	33	62	240	117	57	36	38
29	23	e15	e11	e11	e9.8	36	67	251	123	54	32	38
30	22	e15	e11	e11	---	31	71	208	150	52	29	41
31	20	---	e11	e11	---	30	---	185	---	53	26	---
TOTAL	826	603	368	341	304.6	566.6	1,481	6,600	5,941	2,563	1,270	920
MEAN	26.6	20.1	11.9	11.0	10.5	18.3	49.4	213	198	82.7	41.0	30.7
MAX	37	24	13	11	11	38	71	312	344	141	52	42
MIN	16	15	11	11	9.8	9.2	33	66	114	52	26	23
AC-FT	1,640	1,200	730	676	604	1,120	2,940	13,090	11,780	5,080	2,520	1,820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	32.3	25.0	19.8	17.3	17.6	19.6	39.1	256	467	188	72.8	44.4
MAX	77.7	76.2	34.5	34.0	33.8	46.0	95.0	493	818	607	251	127
(WY)	(1985)	(1985)	(1994)	(1994)	(1983)	(1983)	(1962)	(1996)	(1997)	(1995)	(1984)	(1984)
MIN	13.0	9.83	11.7	11.0	9.55	9.20	13.7	96.5	138	40.4	25.3	21.8
(WY)	(1978)	(1978)	(1978)	(1963)	(1978)	(1976)	(1973)	(1995)	(2002)	(2002)	(1977)	(1977)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	40,980		21,784.2			
ANNUAL MEAN	112		59.5		100	
HIGHEST ANNUAL MEAN					183	
LOWEST ANNUAL MEAN					47.0	
HIGHEST DAILY MEAN	1,250	Jun 1	344	Jun 7	1,480	Jun 17, 1965
LOWEST DAILY MEAN	e11	Dec 26	e9.2	Mar 3	5.3	Oct 14, 1994
ANNUAL SEVEN-DAY MINIMUM	e11	Dec 25	e9.6	Feb 28	7.9	Mar 8, 1960
MAXIMUM PEAK FLOW			442	Jun 7	a1,910	Jun 16, 1965
MAXIMUM PEAK STAGE			3.34	Jun 7	6.15	Jun 16, 1965
ANNUAL RUNOFF (AC-FT)	81,280		43,210		72,460	
10 PERCENT EXCEEDS	354		190		310	
50 PERCENT EXCEEDS	32		30		31	
90 PERCENT EXCEEDS	16		11		14	

e Estimated.

a From rating curve extended above 750 ft³/s.

09058500 PINEY RIVER BELOW PINEY LAKE NEAR MINTURN, CO

LOCATION.--Lat 39°42'29", long 106°25'34", Eagle County, Hydrologic Unit 14010001, on left bank 1.4 mi upstream from Dickson Creek, 2.0 mi downstream from Piney Lake, and 8.5 mi north of Minturn.

DRAINAGE AREA.--13.0 mi².

PERIOD OF RECORD.--October 1947 to September 1954, October 1963 to September 2004 (discontinued). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09058500

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 9,145.25 ft above NGVD of 1929, levels by U.S. Bureau of Reclamation. Prior to October 1963, water-stage recorder at site 15 ft upstream at present datum.

REMARKS.--Records fair except for the period May 5-12 and estimated daily discharges, which are poor. No diversions upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	3.2	e3.3	e3.2	e3.0	e2.9	e17	22	28	50	e10	4.5
2	5.7	e3.3	e3.4	e3.2	e3.0	e2.9	e20	22	28	46	e10	4.3
3	6.3	e3.3	e3.3	e3.1	e3.0	e2.9	e21	29	35	39	e9.0	4.1
4	5.9	e3.2	e3.2	e3.1	e3.0	e2.9	e21	44	57	33	e8.0	4.4
5	5.8	e3.2	e3.2	e3.2	e3.0	e2.9	e23	60	79	30	6.8	7.7
6	5.5	e3.2	e3.3	e3.2	e2.9	e2.9	e25	89	95	27	6.8	10
7	5.1	e3.3	e3.4	e3.2	e2.9	e3.0	e25	105	113	27	6.4	18
8	4.8	e3.4	e3.4	e3.2	e2.9	e3.3	25	109	122	27	5.9	17
9	4.7	e3.3	e3.3	e3.2	e2.9	e3.2	24	94	102	26	5.5	13
10	4.6	e3.4	e3.4	e3.1	e2.9	e3.7	22	95	93	24	5.4	11
11	6.0	e3.4	e3.4	e3.2	e2.8	e3.7	19	115	67	24	5.0	11
12	6.1	e3.3	e3.3	e3.2	e2.8	e4.0	17	80	49	21	4.7	9.4
13	5.4	e3.5	e3.4	e3.0	e2.8	e4.3	18	49	44	19	4.5	8.1
14	4.8	e3.3	e3.4	e3.0	e2.9	e4.3	22	34	61	19	4.3	7.3
15	4.5	e3.5	e3.4	e3.0	e2.9	e4.1	22	28	75	22	4.2	6.7
16	4.4	e3.3	e3.4	e3.1	e2.9	e3.9	24	27	70	22	4.1	6.2
17	4.3	e3.4	e3.5	e3.1	e2.9	e3.8	29	28	68	19	4.2	5.8
18	4.2	e3.2	e3.3	e3.1	e2.9	e4.1	28	30	67	18	5.2	5.5
19	4.1	e3.2	e3.3	e3.1	e2.9	e4.9	22	50	66	17	23	5.7
20	4.0	e3.2	e3.3	e3.1	e2.9	e6.4	20	84	64	19	21	9.0
21	3.9	e3.4	e3.3	e3.1	e2.9	e8.1	19	93	63	17	17	12
22	3.8	e3.3	e3.4	e3.1	e2.9	e9.9	17	89	50	15	13	15
23	3.7	e3.2	e3.3	e3.0	e2.9	e11	15	58	41	15	11	14
24	3.7	e3.1	e3.3	e2.9	e2.9	e12	14	57	45	22	9.3	14
25	e3.5	e3.1	e3.3	e2.8	e2.9	e15	15	46	46	16	7.6	19
26	e3.4	e3.1	e3.3	e2.8	e2.9	e18	14	39	43	13	6.7	21
27	3.2	e3.1	e3.3	e2.9	e2.9	e18	18	49	40	12	6.3	20
28	3.3	e3.1	e3.3	e3.0	e2.9	e12	23	54	38	e12	6.3	18
29	3.4	e3.2	e3.2	e3.0	e2.9	e11	24	85	41	e13	5.7	16
30	3.4	e3.2	e3.2	e3.0	---	e10	27	51	51	e12	5.3	22
31	3.2	---	e3.2	e2.8	---	e13	---	34	---	e12	4.9	---
TOTAL	140.1	97.9	103.0	95.0	84.3	212.1	630	1,849	1,841	688	247.1	339.7
MEAN	4.52	3.26	3.32	3.06	2.91	6.84	21.0	59.6	61.4	22.2	7.97	11.3
MAX	6.3	3.5	3.5	3.2	3.0	18	29	115	122	50	23	22
MIN	3.2	3.1	3.2	2.8	2.8	2.9	14	22	28	12	4.1	4.1
AC-FT	278	194	204	188	167	421	1,250	3,670	3,650	1,360	490	674

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2004, BY WATER YEAR (WY)

MEAN	6.25	4.07	2.84	2.26	2.06	2.68	11.7	68.4	122	54.8	14.3	7.58
MAX	15.1	8.82	6.41	4.00	4.01	6.84	23.0	132	202	146	45.3	14.8
(WY)	(1985)	(1985)	(1999)	(1952)	(1996)	(2004)	(1952)	(2003)	(1952)	(1995)	(1984)	(1984)
MIN	1.71	1.23	1.04	0.79	0.83	0.84	2.12	26.6	40.9	5.82	3.69	2.16
(WY)	(1980)	(1980)	(1980)	(1975)	(1975)	(1975)	(1973)	(1968)	(2002)	(2002)	(1954)	(1974)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1948 - 2004	
ANNUAL TOTAL	11,196.1		6,327.2			
ANNUAL MEAN	30.7		17.3		25.0	
HIGHEST ANNUAL MEAN					41.2	
LOWEST ANNUAL MEAN					11.8	
HIGHEST DAILY MEAN	422	Jun 1	122	Jun 8	422	Jun 1, 2003
LOWEST DAILY MEAN	e2.1	Jan 8	e2.8	Jan 25	0.40	Oct 6, 1975
ANNUAL SEVEN-DAY MINIMUM	2.1	Jan 8	2.9	Feb 7	0.62	Mar 28, 1975
MAXIMUM PEAK FLOW			166	Jun 8	560	Jun 8, 1985
MAXIMUM PEAK STAGE			4.36	Jun 8	a5.12	Jun 8, 1985
ANNUAL RUNOFF (AC-FT)	22,210		12,550		18,090	
10 PERCENT EXCEEDS	105		49		84	
50 PERCENT EXCEEDS	4.8		5.7		5.0	
90 PERCENT EXCEEDS	2.2		3.0		1.6	

e Estimated.

a Maximum gage height for period of record, 6.44 ft, Apr 13, 1977.

09063200 WEARYMAN CREEK NEAR RED CLIFF, CO

LOCATION.--Lat 39°31'20", long 106°19'23", in SE¹/₄SW¹/₄ sec.15, T.6 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on right bank 0.15 mi upstream from mouth, 2.25 mi east of Red Cliff.

DRAINAGE AREA.--9.53 mi².

PERIOD OF RECORD.--October 1964 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09063200

GAGE.--Water-stage recorder. Elevation of gage is 9,280 ft above NGVD of 1929, from topographic map. Prior to Aug. 7, 1992, at site 0.25 mi upstream, at different datum.

REMARKS.--Records fair except for estimated daily discharges and the period July 29 to Sept. 30, which are poor. No regulation or diversion upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	e1.7	e1.3	e1.2	e1.2	e1.1	e1.5	2.8	20	12	4.5	2.2
2	2.4	e1.7	e1.3	e1.2	e1.2	e1.2	e1.6	2.9	19	11	4.5	2.1
3	2.3	e1.7	e1.3	e1.1	e1.2	e1.1	e1.6	3.4	20	11	4.3	2.0
4	2.3	e1.6	e1.3	e1.2	e1.2	e1.1	e1.6	4.1	19	11	4.0	2.3
5	2.3	e1.6	e1.3	e1.2	e1.2	e1.1	e1.7	5.0	20	10	4.0	2.5
6	2.2	e1.6	e1.3	e1.2	e1.2	e1.1	e1.9	6.0	22	9.6	3.9	2.3
7	2.2	e1.6	e1.3	e1.2	e1.2	e1.1	1.9	7.0	26	9.2	3.7	2.2
8	2.1	e1.6	e1.3	e1.2	e1.2	e1.1	2.0	7.9	27	8.9	3.6	2.1
9	2.1	e1.6	e1.3	e1.2	e1.2	e1.2	2.1	8.6	27	8.5	3.5	2.0
10	2.2	e1.6	e1.3	e1.1	e1.2	e1.2	1.9	8.9	28	8.3	3.4	2.0
11	2.5	e1.6	e1.3	e1.2	e1.2	e1.2	e1.7	10	28	8.0	3.3	2.0
12	2.2	e1.5	e1.2	e1.2	e1.2	e1.2	e1.8	10	26	7.8	3.2	1.9
13	2.1	e1.6	e1.2	e1.2	e1.2	e1.3	2.1	9.3	26	7.6	3.1	1.9
14	2.0	e1.5	e1.2	e1.2	e1.2	e1.3	2.1	8.7	24	7.2	3.1	1.8
15	2.0	e1.5	e1.2	e1.2	e1.2	e1.3	2.2	8.3	23	7.2	3.0	2.0
16	2.0	e1.5	e1.2	e1.2	e1.1	e1.2	2.4	8.4	23	7.0	3.0	2.0
17	2.0	e1.5	e1.2	e1.2	e1.1	e1.2	2.6	8.9	22	7.0	3.2	1.9
18	2.0	e1.5	e1.2	e1.2	e1.1	e1.3	2.7	9.7	21	6.8	3.5	1.9
19	2.0	e1.4	e1.2	e1.2	e1.1	e1.3	2.6	11	20	6.5	4.7	2.2
20	e2.0	e1.4	e1.2	e1.2	e1.1	e1.3	2.6	12	19	6.4	3.7	2.6
21	e1.9	e1.4	e1.2	e1.2	e1.1	e1.3	2.5	12	19	6.2	3.5	2.8
22	e1.9	e1.4	e1.2	e1.2	e1.1	e1.4	2.6	13	18	6.1	3.4	2.6
23	e1.9	e1.4	e1.2	e1.1	e1.1	e1.4	2.3	13	17	5.9	3.3	2.6
24	e1.9	e1.3	e1.2	e1.1	e1.2	e1.3	2.3	15	17	5.6	3.1	2.7
25	e1.8	e1.3	e1.2	e1.2	e1.1	e1.4	2.4	16	16	5.3	2.9	2.6
26	e1.8	e1.3	e1.2	e1.2	e1.1	e1.5	2.4	16	15	5.3	2.8	2.5
27	e1.8	e1.3	e1.2	e1.2	e1.1	e1.5	2.6	18	15	5.3	2.7	2.3
28	e1.8	e1.3	e1.2	e1.2	e1.2	e1.4	2.7	19	13	5.2	2.7	2.3
29	e1.7	e1.3	e1.2	e1.2	e1.1	e1.3	2.8	19	13	4.9	2.6	2.4
30	e1.7	e1.3	e1.2	e1.2	---	e1.4	2.9	19	14	4.8	2.4	2.5
31	e1.7	---	e1.2	e1.2	---	e1.4	---	20	---	4.7	2.3	---
TOTAL	63.0	44.6	38.3	36.8	33.6	39.2	66.1	332.9	617	230.3	104.9	67.2
MEAN	2.03	1.49	1.24	1.19	1.16	1.26	2.20	10.7	20.6	7.43	3.38	2.24
MAX	2.5	1.7	1.3	1.2	1.2	1.5	2.9	20	28	12	4.7	2.8
MIN	1.7	1.3	1.2	1.1	1.1	1.1	1.5	2.8	13	4.7	2.3	1.8
AC-FT	125	88	76	73	67	78	131	660	1,220	457	208	133

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	2.74	1.93	1.56	1.35	1.27	1.38	2.22	12.8	43.9	20.1	6.52	3.75
MAX	5.02	2.86	2.48	1.95	1.80	2.28	4.66	34.4	90.2	55.5	17.4	9.57
(WY)	(1985)	(1985)	(1985)	(1985)	(1985)	(1985)	(1985)	(1984)	(1984)	(1995)	(1984)	(1984)
MIN	1.59	1.21	1.04	0.87	0.45	0.80	1.13	4.96	12.8	3.98	2.11	1.82
(WY)	(2003)	(2003)	(2003)	(1992)	(1967)	(1965)	(1968)	(1995)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1965 - 2004
ANNUAL TOTAL	2,877.30	1,673.9	
ANNUAL MEAN	7.88	4.57	8.29
HIGHEST ANNUAL MEAN			17.4
LOWEST ANNUAL MEAN			3.29
HIGHEST DAILY MEAN	e85	Jun 1	140
LOWEST DAILY MEAN	e0.82	Feb 7	0.30
ANNUAL SEVEN-DAY MINIMUM	0.85	Feb 15	0.40
MAXIMUM PEAK FLOW		29	a155
MAXIMUM PEAK STAGE		2.19	a3.61
ANNUAL RUNOFF (AC-FT)	5,710	3,320	6,010
10 PERCENT EXCEEDS	24	13	24
50 PERCENT EXCEEDS	2.2	2.0	2.4
90 PERCENT EXCEEDS	0.89	1.2	1.2

e Estimated.

a Site and datum then in use.

09064000 HOMESTAKE CREEK AT GOLD PARK, CO

LOCATION.--Lat 39°24'20", long 106°25'58", Eagle County, Hydrologic Unit 14010003, on left bank at Gold Park, 400 ft downstream from ford at Gold Park Campground, 0.5 mi downstream from French Creek, and 8 mi southwest of Red Cliff.

DRAINAGE AREA.--36.0 mi².

PERIOD OF RECORD.--October 1947 to September 1954, August 1972 to current year. Statistical summary computed for 1973 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09064000

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,200 ft above NGVD of 1929, from topographic map. Prior to Aug. 1, 1972, water-stage recorder at site 1,500 ft upstream at datum 9,245 ft above NGVD of 1929, (river-profile survey).

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Homestake Lake (capacity, 44,360 acre-ft) since June 7, 1966. Transmountain diversion upstream from station to Arkansas River Basin through Homestake Tunnel since June 6, 1967.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	3.6	e5.4	e3.5	e2.8	e2.8	19	24	22	29	24	9.0
2	19	3.8	e5.5	e3.4	e2.8	e2.8	20	26	21	27	19	8.3
3	18	4.0	e5.6	e3.3	e2.8	e2.9	19	32	21	25	14	7.8
4	9.7	4.0	e5.5	e3.3	e2.9	e2.9	19	35	23	24	15	8.2
5	9.6	4.1	e5.5	e3.2	e2.9	e2.9	18	43	35	24	14	11
6	9.6	3.8	e5.5	e3.2	e2.9	e3.0	18	48	56	24	14	11
7	9.0	3.8	e5.5	e3.1	e2.9	e3.0	19	52	68	23	13	11
8	8.4	4.0	e5.5	e3.1	e2.9	e3.1	19	53	54	23	12	11
9	8.0	4.4	e5.5	e3.1	e2.9	e3.1	20	51	43	23	11	10
10	7.4	4.9	e5.7	e3.0	e2.9	e3.6	19	54	33	23	9.9	9.2
11	11	5.2	e5.7	e3.0	e2.9	e3.8	22	53	23	23	9.4	9.2
12	9.0	5.5	e5.7	e2.9	e2.9	e3.9	17	40	20	24	8.7	9.2
13	7.8	4.2	e5.7	e2.9	e2.9	e4.3	17	30	19	26	8.3	8.7
14	6.6	5.1	e5.7	e2.9	e2.9	e4.8	19	25	26	25	7.7	8.0
15	6.1	5.5	e5.7	e2.9	e2.9	e4.8	20	23	31	25	7.4	7.5
16	5.8	5.5	e5.7	e2.9	e2.9	e4.8	22	22	27	26	7.2	7.2
17	5.8	5.2	e5.7	e2.9	e2.8	e4.7	27	23	26	27	7.3	7.0
18	5.8	e5.2	e5.7	e2.9	e2.8	4.8	27	25	26	27	8.6	6.8
19	5.6	e5.2	e5.7	e2.9	e2.8	6.1	24	37	26	27	25	7.0
20	5.5	e5.3	e5.6	e2.9	e2.8	8.6	22	45	25	26	25	9.5
21	5.5	e5.5	e5.5	e2.9	e2.8	13	20	40	27	26	19	11
22	5.5	e5.5	e5.4	e2.9	e2.8	17	18	33	26	25	18	13
23	5.4	e5.4	e5.2	e2.9	e2.9	19	16	26	24	25	18	13
24	6.2	e5.4	e5.1	e2.9	e2.9	19	16	25	24	26	19	13
25	14	e5.5	e5.0	e2.9	e2.8	22	16	24	24	25	14	13
26	14	e5.5	e4.8	e2.9	e2.9	23	16	24	26	25	11	13
27	15	e5.3	e4.6	e2.9	e2.9	22	21	24	26	26	11	13
28	13	e5.3	e4.3	e2.9	e2.9	21	29	27	25	25	11	13
29	5.1	e5.3	e4.1	e2.9	e2.9	16	32	32	26	24	11	13
30	4.2	e5.3	e3.9	e2.9	---	13	30	27	28	24	10	14
31	3.8	---	e3.7	e2.9	---	17	---	24	---	24	9.7	---
TOTAL	279.4	146.3	163.7	93.2	83.1	282.7	621	1,047	881	776	412.2	305.6
MEAN	9.01	4.88	5.28	3.01	2.87	9.12	20.7	33.8	29.4	25.0	13.3	10.2
MAX	20	5.5	5.7	3.5	2.9	23	32	54	68	29	25	14
MIN	3.8	3.6	3.7	2.9	2.8	2.8	16	22	19	23	7.2	6.8
AC-FT	554	290	325	185	165	561	1,230	2,080	1,750	1,540	818	606

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	13.7	9.56	7.04	5.76	5.38	6.47	15.6	65.0	93.3	57.6	30.6	16.8
MAX	31.4	15.2	13.8	10.9	10.3	12.4	33.8	211	310	243	121	34.8
(WY)	(1985)	(1991)	(1986)	(1986)	(1986)	(1989)	(1989)	(1984)	(1984)	(1995)	(1983)	(1984)
MIN	6.15	4.37	2.78	2.16	1.98	2.56	5.50	29.7	29.4	12.3	12.3	8.36
(WY)	(1990)	(1990)	(1976)	(1976)	(1976)	(1976)	(1983)	(1977)	(2004)	(2002)	(2002)	(1977)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1973 - 2004
ANNUAL TOTAL	7,840.0	5,091.2	
ANNUAL MEAN	21.5	13.9	a27.3
HIGHEST ANNUAL MEAN			79.2
LOWEST ANNUAL MEAN			13.9
HIGHEST DAILY MEAN	306	May 29	68 Jun 7
LOWEST DAILY MEAN	e2.9	Feb 12	e2.8 Feb 1
ANNUAL SEVEN-DAY MINIMUM	3.0	Feb 6	2.8 Feb 16
MAXIMUM PEAK FLOW			132 Jun 7
MAXIMUM PEAK STAGE			4.78 Jun 7
ANNUAL RUNOFF (AC-FT)	15,550	10,100	19,800
10 PERCENT EXCEEDS	40	27	61
50 PERCENT EXCEEDS	9.6	9.4	12
90 PERCENT EXCEEDS	3.4	2.9	4.4

e Estimated.

a Average discharge for 7 years (water years 1948-54), 63.4 ft³/s, 45,930 acre-ft/yr, prior to diversion through Homestake Tunnel.

b Maximum daily discharge for period of record, 755 ft³/s, Jun 21, 1951.

c Maximum discharge and stage for period of record, 1,080 ft³/s, Jun 13, 1953, gage height, 6.84 ft, site and datum then in use from rating curve extended above 700 ft³/s.

d Maximum gage height for statistical period, 6.31 ft, Apr 5, 1978, backwater from ice.

09064600 EAGLE RIVER NEAR MINTURN, CO

LOCATION.--Lat 39°33'14", long 106°24'07", in SW¹/₄SE¹/₄ of unsurveyed sec. T.6 S., R.81 W., Eagle County, Hydrologic Unit 14010003, on left bank 500 ft upstream from U.S. Highway 24 bridge and 2.5 miles southeast of Minturn.

DRAINAGE AREA.--186 mi².

PERIOD OF RECORD.--October 1989 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09064600

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,078.37 ft above NGVD of 1929, from levels by private engineering firm.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station by Columbine, Ewing, and Wurtz Ditches. Transmountain diversion from Robinson Reservoir (capacity 2,520 acre-ft), for use in Tenmile Creek Basin. Several small diversions for irrigation upstream from station. No regulation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	30	e40	e26	e17	e18	e87	115	220	160	70	35
2	50	33	e39	e26	e17	e17	e101	113	210	138	67	34
3	53	40	e37	e24	e17	e18	e105	136	215	125	62	33
4	49	39	e36	e22	e19	e19	e101	170	226	119	56	34
5	42	34	e36	e19	e19	e19	e102	212	237	113	57	39
6	41	36	e39	e22	e19	e17	e100	257	277	116	61	40
7	39	37	e39	e24	e16	e17	101	286	315	107	57	37
8	38	37	e39	e23	e19	e18	107	300	319	102	52	35
9	37	36	e38	e21	e18	e19	118	310	294	98	49	33
10	37	39	e35	e20	e16	e19	104	310	283	96	45	33
11	43	40	e38	e19	e19	e18	90	346	243	94	43	33
12	42	36	e36	e17	e13	e19	90	316	219	89	41	33
13	39	40	e35	e16	e15	e19	87	263	202	88	39	32
14	37	43	e39	e19	e17	e20	93	223	197	88	38	31
15	35	42	e38	e21	e19	e21	99	197	207	90	38	30
16	34	37	e37	e19	e20	e20	105	189	199	94	36	29
17	34	40	e34	e17	e21	e20	117	196	190	120	40	28
18	33	39	e34	e17	e20	e21	122	200	190	109	45	28
19	33	46	e32	e18	e20	e22	112	246	182	115	83	30
20	33	45	e31	e21	e19	e25	107	295	171	105	88	35
21	33	44	e31	e17	e19	e29	101	308	178	96	73	42
22	32	41	e31	e17	e20	e34	92	301	174	90	68	50
23	32	35	e30	e17	e17	e38	87	272	152	85	66	47
24	31	e32	e30	e17	e17	e47	80	264	143	98	59	47
25	30	e36	e30	e17	e20	e60	88	255	139	86	53	45
26	36	e39	e30	e15	e20	e99	88	248	144	80	45	43
27	41	e38	e29	e17	e21	e108	94	249	144	95	42	41
28	41	e37	e27	e18	e19	e105	113	256	137	85	42	39
29	40	e38	e27	e18	e19	e87	125	280	136	77	41	39
30	33	e40	e27	e18	---	e80	131	268	166	74	39	45
31	30	---	e27	e18	---	e79	---	241	---	75	37	---
TOTAL	1,177	1,149	1,051	600	532	1,152	3,047	7,622	6,109	3,107	1,632	1,100
MEAN	38.0	38.3	33.9	19.4	18.3	37.2	102	246	204	100	52.6	36.7
MAX	53	46	40	26	21	108	131	346	319	160	88	50
MIN	30	30	27	15	13	17	80	113	136	74	36	28
AC-FT	2,330	2,280	2,080	1,190	1,060	2,280	6,040	15,120	12,120	6,160	3,240	2,180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	44.6	38.2	30.9	27.3	26.8	32.8	93.6	384	480	180	80.4	53.6
MAX	68.8	47.8	44.6	41.8	42.3	54.4	175	726	962	661	186	73.8
(WY)	(1998)	(1996)	(1996)	(1996)	(1996)	(1997)	(1996)	(1996)	(1995)	(1995)	(1995)	(1995)
MIN	27.6	25.3	21.2	17.9	18.3	21.0	50.4	151	124	49.4	31.1	34.1
(WY)	(1990)	(1990)	(1990)	(1990)	(2004)	(2002)	(1991)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	42,450		28,278			
ANNUAL MEAN	116		77.3		123	
HIGHEST ANNUAL MEAN					197	
LOWEST ANNUAL MEAN					54.2	
HIGHEST DAILY MEAN	1,150	Jun 1	346	May 11	1,540	Jun 18, 1995
LOWEST DAILY MEAN	e22	Jan 15	e13	Feb 12	11	Dec 9, 1994
ANNUAL SEVEN-DAY MINIMUM	23	Jan 24	e17	Feb 7	16	Jan 4, 1990
MAXIMUM PEAK FLOW			374	Jun 8	1,810	Jun 18, 1995
MAXIMUM PEAK STAGE			4.27	Jun 8	6.75	Jun 18, 1995
ANNUAL RUNOFF (AC-FT)	84,200		56,090		89,080	
10 PERCENT EXCEEDS	340		204		330	
50 PERCENT EXCEEDS	43		40		46	
90 PERCENT EXCEEDS	24		19		24	

e Estimated.

09066325 GORE CREEK ABOVE RED SANDSTONE CREEK, AT VAIL, CO

LOCATION.--Lat 39°38'28", long 106°23'39", in NW¹/₄NW¹/₄ sec.7, T.5 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on left bank 200 ft downstream of the water treatment plant at Vail, 0.1 mi upstream from Red Sandstone Creek, and 0.6 mi downstream from Middle Creek.

DRAINAGE AREA.--77.1 mi².

PERIOD OF RECORD.--October 1999 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09066325

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,055 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. No regulation or diversion upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	19	21	18	17	17	62	83	226	e156	e46	e21
2	29	20	20	18	16	17	70	85	226	e136	e45	e21
3	30	22	20	18	17	18	70	112	267	e122	e43	e22
4	29	20	20	18	17	18	68	166	328	e118	e41	e22
5	29	20	19	17	17	18	74	196	378	e111	e39	e26
6	27	20	20	19	17	17	75	248	451	e106	e35	e30
7	26	21	20	20	16	17	76	291	496	e98	e33	e36
8	25	21	20	19	17	18	80	305	486	e91	e32	e35
9	25	20	20	19	17	20	81	299	452	e88	e30	e34
10	25	23	19	18	16	22	75	320	414	e86	e28	e32
11	30	23	20	18	17	21	69	335	343	e84	e26	e31
12	27	22	20	17	15	23	65	288	289	e78	e25	e29
13	25	23	19	18	16	26	63	232	276	e77	e24	e26
14	23	24	20	18	16	27	68	196	314	e76	e24	e25
15	25	23	19	18	16	26	72	176	320	e83	e24	e23
16	24	21	18	18	16	24	79	169	295	e95	e24	e22
17	23	22	19	18	16	24	91	175	273	e89	e23	e21
18	22	22	19	18	16	26	95	198	e255	e84	e22	e21
19	21	22	19	18	17	31	87	280	e246	e79	e30	e21
20	21	22	19	18	17	39	81	376	e234	e81	e48	e27
21	20	23	19	17	16	49	76	399	e237	e71	e45	e31
22	21	21	19	17	16	58	71	380	e214	e66	e41	e36
23	20	17	17	16	16	66	65	337	e194	e65	e36	e34
24	20	20	18	17	16	67	62	323	e188	e67	e36	e35
25	19	22	18	17	16	72	63	299	e183	e60	e34	e40
26	18	22	18	17	16	75	60	292	e173	e57	e31	e45
27	21	21	17	17	17	73	69	311	e166	e56	e28	e43
28	20	21	18	17	18	63	83	344	e159	e54	e26	e43
29	20	21	18	17	17	55	87	378	e161	e52	e24	e41
30	19	21	18	17	---	51	88	300	e167	e50	e23	e48
31	18	---	18	17	---	54	---	253	---	e49	e22	---
TOTAL	730	639	589	549	477	1,132	2,225	8,146	8,411	2,585	988	921
MEAN	23.5	21.3	19.0	17.7	16.4	36.5	74.2	263	280	83.4	31.9	30.7
MAX	30	24	21	20	18	75	95	399	496	156	48	48
MIN	18	17	17	16	15	17	60	83	159	49	22	21
AC-FT	1,450	1,270	1,170	1,090	946	2,250	4,410	16,160	16,680	5,130	1,960	1,830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004
MEAN	25.2	20.2	17.9	16.1	15.6
MAX	27.9	22.1	20.0	19.2	19.1
(WY)	(2000)	(2001)	(2000)	(2000)	(2004)
MIN	23.5	17.3	14.5	14.1	12.8
(WY)	(2004)	(2000)	(2003)	(2003)	(2002)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 2000 - 2004

ANNUAL TOTAL	46,630	27,392		
ANNUAL MEAN	128	74.8		
HIGHEST ANNUAL MEAN			93.8	
LOWEST ANNUAL MEAN			53.1	2002
HIGHEST DAILY MEAN	1,730	Jun 1	496	Jun 7
LOWEST DAILY MEAN	10	Feb 7	15	Feb 12
ANNUAL SEVEN-DAY MINIMUM	11	Feb 6	16	Feb 12
MAXIMUM PEAK FLOW			615	Jun 7
MAXIMUM PEAK STAGE			8.05	Jun 7
ANNUAL RUNOFF (AC-FT)	92,490	54,330		67,950
10 PERCENT EXCEEDS	445	247		280
50 PERCENT EXCEEDS	27	26		26
90 PERCENT EXCEEDS	14	17		15

e Estimated.

a From rating curve extended above 700 ft³/s.

09066510 GORE CREEK AT MOUTH NEAR MINTURN, CO
(Eagle River Watershed Retrospective Assessment Program)

LOCATION.--Lat 39°36'34", long 106°26'50", in NE¹/₄NW¹/₄ sec.22, T.5 S., R.81W., Eagle County, Hydrologic Unit 14010003, on left bank 0.1 mi upstream from the confluence with Eagle River and 2 mi northwest of Minturn.

DRAINAGE AREA.-- 102 mi².

PERIOD OF RECORD.--October 1995 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09066510

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,730 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversion upstream from station for Vail water treatment plant.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	21	21	e19	18	18	66	115	250	187	57	26
2	32	22	20	e19	18	18	76	121	246	172	54	26
3	34	25	19	e20	17	20	76	152	277	156	53	25
4	32	22	19	e20	e18	19	76	208	332	142	51	30
5	32	20	21	e20	e18	19	e83	267	387	129	48	39
6	30	22	20	e21	e18	18	e85	353	466	125	48	39
7	29	22	21	e21	e18	19	e87	418	505	121	45	47
8	28	23	20	e20	e18	19	e92	442	503	116	43	43
9	27	23	19	e20	e18	22	95	430	461	111	39	38
10	27	26	e20	e20	e18	24	87	444	420	107	37	36
11	34	26	e22	e19	e18	23	78	466	345	101	35	35
12	29	24	e22	e19	e18	25	76	407	286	95	33	33
13	27	26	e21	e19	e18	27	75	321	277	90	31	32
14	25	28	e21	e19	e18	28	82	271	310	87	30	29
15	26	26	e21	e19	e18	27	88	242	311	100	29	27
16	26	22	e21	e19	e18	25	96	228	289	121	29	26
17	25	25	e21	19	e18	25	114	226	273	110	29	25
18	24	22	e21	e19	e18	27	119	248	265	98	38	25
19	24	24	e20	e19	e18	31	108	335	251	93	75	27
20	23	25	e20	e19	e18	40	100	438	247	102	60	33
21	22	25	e20	e18	e18	52	96	e467	253	94	54	40
22	23	24	e20	e18	e18	62	89	e428	222	82	48	43
23	22	e21	e20	e18	e18	70	82	e369	200	80	45	41
24	22	e22	e20	e18	e18	71	78	e343	197	90	40	41
25	20	e23	e20	e18	19	78	82	e290	195	77	38	47
26	18	e23	e19	e18	18	80	e88	e281	190	72	36	51
27	23	e23	e19	e18	19	77	e98	324	180	70	34	51
28	23	e22	e19	e18	19	64	e112	354	172	69	33	48
29	22	e22	e19	18	19	55	119	398	176	67	30	47
30	22	22	e19	19	---	53	124	314	192	62	28	61
31	20	---	e19	18	---	56	---	275	---	62	27	---
TOTAL	802	701	624	589	525	1,192	2,727	9,975	8,678	3,188	1,277	1,111
MEAN	25.9	23.4	20.1	19.0	18.1	38.5	90.9	322	289	103	41.2	37.0
MAX	34	28	22	21	19	80	124	467	505	187	75	61
MIN	18	20	19	18	17	18	66	115	172	62	27	25
AC-FT	1,590	1,390	1,240	1,170	1,040	2,360	5,410	19,790	17,210	6,320	2,530	2,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

	1996	1997	1997	1997	1997	1997	1996	1997	1997	1997	2003	
MEAN	34.9	26.2	21.7	19.2	18.2	27.8	76.3	427	591	168	61.4	40.7
MAX	48.5	33.3	27.0	26.6	22.3	42.4	102	678	1,103	291	108	57.4
(WY)	(1998)	(1997)	(1997)	(1997)	(1997)	(1997)	(1996)	(1996)	(1997)	(1997)	(1997)	(2003)
MIN	25.6	18.2	18.3	15.9	14.0	16.3	48.1	224	196	39.1	20.6	23.4
(WY)	(2003)	(2000)	(2003)	(2002)	(2002)	(2002)	(1998)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	52,833		31,389			
ANNUAL MEAN	145		85.8		126	
HIGHEST ANNUAL MEAN					194	
LOWEST ANNUAL MEAN					58.5	
HIGHEST DAILY MEAN	1,960	Jun 1	505	Jun 7	1,960	Jun 1, 2003
LOWEST DAILY MEAN	14	Feb 7	17	Feb 3	11	Sep 2, 2002
ANNUAL SEVEN-DAY MINIMUM	15	Feb 6	18	Jan 31	11	Sep 1, 2002
MAXIMUM PEAK FLOW			642	Jun 7	2,690	Jun 1, 2003
MAXIMUM PEAK STAGE			7.96	Jun 7	a10.88	Jun 1, 2003
ANNUAL RUNOFF (AC-FT)	104,800		62,260		91,470	
10 PERCENT EXCEEDS	534		272		364	
50 PERCENT EXCEEDS	31		31		35	
90 PERCENT EXCEEDS	17		18		18	

e Estimated.
a From highwater marks.

09067020 EAGLE RIVER BELOW WASTEWATER TREATMENT PLANT AT AVON, CO

LOCATION.--Lat 39°38'06", long 106°31'57", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.5 S., R.82 W., Eagle County, Hydrologic Unit 14010003, on right bank 60 ft downstream from Eagle River Wastewater Treatment Plant effluent discharge point, and 0.2 mi upstream from Beaver Creek Boulevard bridge, in the city of Avon.

DRAINAGE AREA.--402 mi².

PERIOD OF RECORD.--October 1999 to current year. October 1988 to September 1999, streamflow data were collected 0.6 mi upstream at site 09067005 Eagle River at Avon; streamflow records are considered to be equivalent. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09067020

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 7,380 ft above NAVD of 1988, from topographic map. Prior to October 14, 1999, streamflow data were collected 0.6 mi upstream at site 09067005 Eagle River at Avon; streamflow records are considered to be equivalent.

REMARKS.--No estimated daily discharges. Records good except Dec. 15 to Feb. 26, which are fair, and discharges below 60 ft³/s, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, and diversions for irrigation and municipal use.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	67	79	58	49	61	189	289	726	599	166	84
2	105	71	74	59	50	60	217	290	697	513	160	81
3	115	81	71	55	49	64	220	364	774	445	153	80
4	111	76	66	54	53	63	207	512	957	403	141	86
5	102	68	67	36	52	64	239	676	1,080	367	138	111
6	97	74	73	40	52	60	250	896	1,310	372	144	113
7	91	77	71	64	47	62	251	1,070	1,470	346	134	111
8	88	76	70	59	57	64	259	1,140	1,500	326	126	105
9	87	72	67	51	54	70	286	1,130	1,380	312	116	95
10	86	86	58	48	42	77	257	1,150	1,330	297	107	93
11	105	87	72	45	56	74	221	1,250	1,100	285	101	94
12	99	75	65	37	32	76	217	1,120	906	266	96	91
13	91	83	63	34	37	81	206	894	824	257	94	87
14	86	90	74	39	43	83	223	704	942	254	89	84
15	84	85	67	49	57	85	239	594	1,000	272	88	82
16	82	74	58	52	60	79	257	554	935	321	87	79
17	80	84	55	48	60	78	295	576	827	371	90	76
18	78	76	62	46	61	83	306	618	821	314	111	75
19	78	73	60	47	60	95	274	888	752	329	217	80
20	77	78	62	51	60	118	261	1,200	729	320	221	99
21	77	80	66	44	58	143	246	1,270	767	285	184	122
22	75	81	67	44	60	171	225	1,250	663	243	167	138
23	73	58	54	45	58	193	211	1,080	542	224	161	129
24	72	54	54	49	59	205	194	1,060	537	256	142	128
25	70	76	61	47	62	232	211	996	539	225	126	131
26	70	80	61	37	61	240	204	930	537	203	113	134
27	81	73	58	42	63	241	226	969	516	240	106	130
28	80	59	51	50	63	193	279	1,030	490	218	108	123
29	76	76	54	50	62	161	308	1,200	476	195	102	120
30	72	82	57	50	---	158	326	1,010	597	182	95	147
31	68	---	56	51	---	164	---	835	---	179	92	---
TOTAL	2,657	2,272	1,973	1,481	1,577	3,598	7,304	27,545	25,724	9,419	3,975	3,108
MEAN	85.7	75.7	63.6	47.8	54.4	116	243	889	857	304	128	104
MAX	115	90	79	64	63	241	326	1,270	1,500	599	221	147
MIN	68	54	51	34	32	60	189	289	476	179	87	75
AC-FT	5,270	4,510	3,910	2,940	3,130	7,140	14,490	54,640	51,020	18,680	7,880	6,160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004
MEAN	98.2	75.2	65.8	60.1	57.6
MAX	128	78.6	83.9	74.9	69.1
(WY)	(2000)	(2001)	(2001)	(2001)	(2000)
MIN	77.2	70.9	55.1	47.8	48.0
(WY)	(2002)	(2002)	(2003)	(2004)	(2003)
					(2002)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 2000 - 2004

ANNUAL TOTAL	132,595	90,633		
ANNUAL MEAN	363	248	289	
HIGHEST ANNUAL MEAN			369	2000
LOWEST ANNUAL MEAN			163	2002
HIGHEST DAILY MEAN	3,970	May 30	1,500	Jun 8
LOWEST DAILY MEAN	40	Jan 18	32	Feb 12
ANNUAL SEVEN-DAY MINIMUM	45	Jan 15	43	Jan 9
MAXIMUM PEAK FLOW			1,680	Jun 8
MAXIMUM PEAK STAGE			6.44	Jun 8
ANNUAL RUNOFF (AC-FT)	263,000	179,800	209,200	
10 PERCENT EXCEEDS	1,250	788	827	
50 PERCENT EXCEEDS	101	95	95	
90 PERCENT EXCEEDS	49	53	53	

a Also occurred Sep 7, 2002.

09067200 LAKE CREEK NEAR EDWARDS, CO

LOCATION.--Lat 39°38'51", long 106°36'31", in SE¹/₄NE¹/₄ sec.6, T.5 S., R.82 W., Eagle County, Hydrologic Unit 14010003, on right bank 30 ft upstream from U.S. Highway 6, and 1.0 mi west of Edwards.

DRAINAGE AREA.--49.0 mi².

PERIOD OF RECORD.--October 1993 to current year. Published as station number 09066980 during the 1994-96 water years. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/? site_no=09067200

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,160 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	15	14	e10	e9.1	7.3	22	31	83	164	42	13
2	17	17	13	e11	e9.0	7.7	25	31	85	131	40	12
3	20	18	13	e11	e8.9	7.6	26	40	108	111	37	12
4	19	16	13	e11	e8.8	7.5	26	61	160	98	34	14
5	18	16	12	e11	e8.7	7.7	30	90	191	90	34	20
6	15	17	13	12	e8.6	7.5	31	129	264	92	34	19
7	16	17	13	11	e8.5	8.0	31	173	303	90	31	16
8	16	18	14	11	e8.5	8.5	31	180	307	86	29	15
9	15	17	13	11	e8.5	9.0	33	177	264	86	27	14
10	15	19	14	11	e8.3	9.5	33	187	235	83	24	15
11	22	17	13	11	e8.3	9.3	29	200	170	80	23	15
12	20	16	13	12	e8.2	9.5	28	172	120	76	22	14
13	19	17	13	13	e8.1	10	26	116	114	74	21	13
14	19	17	13	12	e8.1	10	26	88	164	78	19	13
15	19	16	13	e12	e8.1	11	26	70	184	82	18	13
16	19	14	13	e11	e8.1	9.8	28	68	170	81	18	14
17	19	16	15	e10	e8.0	10	32	76	150	97	17	12
18	19	14	14	e10	e7.9	11	34	89	152	83	22	11
19	18	14	13	e10	e7.8	12	31	160	136	93	43	12
20	18	14	12	e10	7.8	14	30	225	133	78	52	21
21	18	15	12	e10	7.4	15	27	228	131	78	42	28
22	17	14	12	e10	7.3	17	23	205	109	65	e36	30
23	17	e12	12	e9.9	7.3	19	22	147	96	59	e32	28
24	16	e14	12	e9.9	7.3	24	20	148	106	e63	e30	26
25	16	15	11	e9.9	7.2	29	23	130	113	e55	28	27
26	15	15	e11	e9.8	7.3	28	22	129	116	e48	26	28
27	19	14	e11	e9.7	7.2	28	22	132	109	71	24	29
28	18	15	e11	e9.6	7.4	23	28	148	111	59	23	27
29	16	15	e11	e9.5	7.3	21	32	198	109	52	21	25
30	16	15	e11	e9.4	---	21	34	136	165	49	19	32
31	15	---	e10	e9.3	---	21	---	103	---	46	16	---
TOTAL	545	469	388	328.0	233.0	432.9	831	4,067	4,658	2,498	884	568
MEAN	17.6	15.6	12.5	10.6	8.03	14.0	27.7	131	155	80.6	28.5	18.9
MAX	22	19	15	13	9.1	29	34	228	307	164	52	32
MIN	15	12	10	9.3	7.2	7.3	20	31	83	46	16	11
AC-FT	1,080	930	770	651	462	859	1,650	8,070	9,240	4,950	1,750	1,130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	27.2	20.3	13.7	11.7	10.8	12.6	24.0	130	232	113	52.6	32.3
MAX	44.8	28.4	19.0	16.0	13.3	14.9	36.1	197	418	293	125	56.0
(WY)	(1998)	(1996)	(1996)	(1997)	(1998)	(1997)	(2000)	(2000)	(1997)	(1995)	(1995)	(1997)
MIN	16.1	13.7	10.6	8.70	8.03	8.92	15.4	43.8	90.5	22.2	14.5	18.9
(WY)	(2002)	(2002)	(2002)	(2003)	(2004)	(2002)	(1995)	(1995)	(2002)	(2002)	(2002)	(2004)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1994 - 2004
ANNUAL TOTAL	21,871.3	15,901.9	
ANNUAL MEAN	59.9	43.4	56.8
HIGHEST ANNUAL MEAN			87.3
LOWEST ANNUAL MEAN			27.4
HIGHEST DAILY MEAN	733	307	845
LOWEST DAILY MEAN	7.7	7.2	a5.4
ANNUAL SEVEN-DAY MINIMUM	8.2	7.3	5.6
MAXIMUM PEAK FLOW		426	1,290
MAXIMUM PEAK STAGE		2.64	3.63
ANNUAL RUNOFF (AC-FT)	43,380	31,540	41,180
10 PERCENT EXCEEDS	174	129	165
50 PERCENT EXCEEDS	19	19	22
90 PERCENT EXCEEDS	8.9	9.0	10

e Estimated.

a Also occurred Sep 6,7, 2002.

09070000 EAGLE RIVER BELOW GYPSUM, CO

LOCATION.--Lat 39°38'58", long 106°57'11", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.5 S., R.85 W., Eagle County, Hydrologic Unit 14010003, on right bank 20 ft downstream from bridge on U.S. Highways 6 and 24 at Gypsum and 150 ft downstream from Gypsum Creek.

DRAINAGE AREA.--944 mi².

PERIOD OF RECORD.--October 1946 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09070000

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 6,275.11 ft, above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station, see elsewhere in this report. Transbasin diversions upstream from station from Robinson Reservoir (capacity, 2,520 acre-ft) to Tenmile Creek for mining development. Many small diversions for irrigation of hay meadows upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	147	179	145	132	141	299	436	916	929	311	141
2	176	156	173	156	138	138	326	409	850	779	298	132
3	196	175	169	149	134	146	345	456	903	675	290	130
4	193	183	166	151	134	151	341	604	1,080	612	260	143
5	182	173	156	116	137	151	357	790	1,210	561	245	169
6	174	171	164	88	143	145	395	1,060	1,540	561	252	189
7	169	173	167	140	136	143	379	1,300	1,800	529	243	182
8	170	174	167	177	144	153	391	1,410	1,960	505	232	169
9	166	172	165	166	157	166	430	1,410	1,780	477	211	164
10	161	175	143	151	142	183	464	1,390	1,710	466	193	158
11	173	197	155	134	144	e198	401	1,540	1,420	454	180	155
12	185	188	157	114	140	e187	386	1,440	1,150	432	173	153
13	177	178	151	107	122	e199	362	1,150	1,020	413	165	147
14	173	190	162	109	135	e205	363	924	1,120	416	158	139
15	179	190	163	120	158	e191	377	778	1,230	427	156	135
16	179	183	125	150	157	e180	384	705	1,190	468	154	130
17	179	176	104	147	153	e163	417	723	1,080	518	150	124
18	173	177	124	144	150	e159	449	736	1,060	511	167	121
19	170	166	131	138	154	183	421	989	1,010	500	256	130
20	166	170	128	142	155	e223	394	1,410	969	501	354	165
21	166	176	153	129	152	e252	379	1,570	968	473	316	239
22	162	189	165	134	149	e266	367	1,570	946	414	281	278
23	157	161	142	136	149	e298	343	1,300	770	376	274	269
24	150	142	115	138	146	338	324	1,280	751	402	251	250
25	146	165	122	142	153	375	335	1,210	755	394	215	247
26	146	184	150	123	154	376	340	1,110	778	354	198	245
27	156	186	144	117	157	397	335	1,140	760	381	187	242
28	165	147	127	132	158	348	381	1,170	718	386	189	228
29	161	145	120	137	151	300	434	1,460	684	349	182	224
30	155	176	145	135	---	297	458	1,290	853	342	166	267
31	149	---	152	136	---	285	---	1,050	---	330	156	---
TOTAL	5,229	5,185	4,584	4,203	4,234	6,937	11,377	33,810	32,981	14,935	6,863	5,465
MEAN	169	173	148	136	146	224	379	1,091	1,099	482	221	182
MAX	196	197	179	177	158	397	464	1,570	1,960	929	354	278
MIN	146	142	104	88	122	138	299	409	684	330	150	121
AC-FT	10,370	10,280	9,090	8,340	8,400	13,760	22,570	67,060	65,420	29,620	13,610	10,840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2004, BY WATER YEAR (WY)

MEAN	257	238	196	181	173	189	351	1,339	2,240	977	377	266
MAX	526	382	277	243	252	297	862	2,722	4,134	2,989	1,096	625
(WY)	(1962)	(1985)	(1985)	(1984)	(1986)	(1986)	(1962)	(1984)	(1984)	(1957)	(1984)	(1984)
MIN	129	164	136	136	125	138	183	528	597	170	124	141
(WY)	(1957)	(2003)	(2003)	(2004)	(1992)	(1965)	(1983)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1947 - 2004
ANNUAL TOTAL	188,138	135,803	
ANNUAL MEAN	515	371	566
HIGHEST ANNUAL MEAN			1,082 1984
LOWEST ANNUAL MEAN			255 2002
HIGHEST DAILY MEAN	5,140	Jun 1	6,580 May 25, 1984
LOWEST DAILY MEAN	95	Feb 8	70 Sep 6, 2002
ANNUAL SEVEN-DAY MINIMUM	119	Feb 2	72 Sep 1, 2002
MAXIMUM PEAK FLOW		2,190	7,020 May 25, 1984
MAXIMUM PEAK STAGE		6.22	9.46 May 25, 1984
ANNUAL RUNOFF (AC-FT)	373,200	269,400	410,000
10 PERCENT EXCEEDS	1,670	995	1,540
50 PERCENT EXCEEDS	185	183	241
90 PERCENT EXCEEDS	130	136	157

e Estimated.

09070500 COLORADO RIVER NEAR DOTSERO, CO

LOCATION.--Lat 39°38'38", long 107°04'38", in NW¼ SE¼ sec.6, T.5 S., R.86 W., Eagle County, Hydrologic Unit- 14010001, on left bank about 500 ft south of Interstate Highway 70, 1.5 mi west of Dotsero, and 1.5 mi downstream from Eagle River.

DRAINAGE AREA.--4,394 mi².

PERIOD OF RECORD.--October 1940 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09070500

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gages. Elevation of gage is 6,130 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, diversions for irrigation of about 68,000 acres upstream from station, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,530	1,330	917	e754	e653	622	844	1,040	1,830	1,590	1,260	1,270
2	1,530	901	870	e754	e649	616	924	993	1,650	1,430	1,230	1,250
3	1,580	922	809	e742	e645	710	968	1,060	1,660	1,340	1,250	1,260
4	1,600	910	757	e729	e636	706	943	1,260	1,820	1,250	1,250	1,320
5	1,610	1,060	744	e716	e636	698	979	1,530	2,110	1,120	1,270	1,390
6	1,600	840	799	e712	e641	678	1,050	1,930	2,480	1,080	1,310	1,410
7	1,590	758	779	e712	e636	681	1,030	2,280	2,800	1,020	1,310	1,410
8	1,580	743	780	e746	e628	704	1,060	2,510	3,010	1,020	1,280	1,390
9	1,560	733	758	e737	e611	737	1,120	2,590	2,830	962	1,240	1,330
10	1,560	732	648	e712	e611	769	1,180	2,570	2,700	917	1,210	1,290
11	1,570	764	665	e695	e611	767	1,060	2,770	2,370	917	1,310	1,290
12	1,610	751	743	e679	e611	731	984	2,640	2,020	944	1,230	1,260
13	1,590	744	811	e657	e607	745	932	2,270	1,800	904	1,210	1,250
14	1,570	745	814	e674	e620	761	914	1,930	1,840	865	1,210	1,250
15	1,540	745	840	e695	e656	759	930	1,700	1,970	932	1,230	1,230
16	1,530	730	747	e716	e656	743	934	1,630	1,930	1,200	1,210	1,240
17	1,530	722	743	e708	e707	697	974	1,580	1,790	1,280	1,220	1,260
18	1,500	710	781	e679	e683	712	1,040	1,570	1,780	1,350	1,270	1,210
19	1,500	763	841	e695	e660	757	1,030	1,780	1,770	1,530	1,390	1,210
20	1,510	778	885	e704	648	841	984	2,280	1,800	1,450	1,650	1,270
21	1,520	807	886	e683	626	948	953	2,540	1,770	1,460	1,660	1,370
22	1,490	833	883	e666	657	1,000	950	2,630	1,770	1,410	1,540	1,360
23	1,490	721	854	e674	645	1,050	900	2,340	1,510	1,320	1,410	1,110
24	1,480	635	823	e700	648	1,100	854	2,210	1,410	1,410	1,350	981
25	1,460	829	760	e674	670	1,160	852	2,080	1,380	1,460	1,310	965
26	1,390	834	787	e657	646	1,220	857	1,950	1,350	1,360	1,270	938
27	1,320	880	745	e666	684	1,230	827	1,970	1,330	1,360	1,280	927
28	1,330	809	e716	e683	679	1,090	887	1,990	1,300	1,360	1,290	907
29	1,340	846	e708	e704	657	943	995	2,330	1,260	1,290	1,270	962
30	1,320	877	e729	e691	---	860	1,060	2,340	1,430	1,260	1,230	1,170
31	1,350	---	e750	e666	---	814	---	2,040	---	1,290	1,240	---
TOTAL	46,680	24,452	24,372	21,680	18,717	25,849	29,015	62,333	56,470	38,081	40,390	36,480
MEAN	1,506	815	786	699	645	834	967	2,011	1,882	1,228	1,303	1,216
MAX	1,610	1,330	917	754	707	1,230	1,180	2,770	3,010	1,590	1,660	1,410
MIN	1,320	635	648	657	607	616	827	993	1,260	865	1,210	907
AC-FT	92,590	48,500	48,340	43,000	37,130	51,270	57,550	123,600	112,000	75,530	80,110	72,360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2004, BY WATER YEAR (WY)

MEAN	1,212	1,075	939	895	906	1,031	1,829	4,711	6,178	3,053	1,702	1,300
MAX	2,038	1,664	1,503	1,473	1,603	1,961	5,601	10,770	13,440	9,354	4,055	2,616
(WY)	(1963)	(1963)	(1985)	(1985)	(1962)	(1962)	(1962)	(1984)	(1984)	(1983)	(1984)	(1984)
MIN	707	677	521	504	529	610	967	1,254	1,220	1,021	912	661
(WY)	(2003)	(1978)	(1943)	(1941)	(1943)	(1964)	(2004)	(2002)	(2002)	(1963)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1941 - 2004	
ANNUAL TOTAL	543,676		424,519			
ANNUAL MEAN	1,490		1,160		2,071	
HIGHEST ANNUAL MEAN					4,173	
LOWEST ANNUAL MEAN					898	
HIGHEST DAILY MEAN	10,900	Jun 2	3,010	Jun 8	20,800	May 25, 1984
LOWEST DAILY MEAN	454	Feb 8	607	Feb 13	a350	Jan 5, 1944
ANNUAL SEVEN-DAY MINIMUM	523	Jan 16	614	Feb 8	417	Jan 13, 1944
MAXIMUM PEAK FLOW			3,240	Jun 8	22,200	May 25, 1984
MAXIMUM PEAK STAGE			4.51	Jun 8	14.20	May 25, 1984
ANNUAL RUNOFF (AC-FT)	1,078,000		842,000		1,501,000	
10 PERCENT EXCEEDS	2,980		1,790		4,730	
50 PERCENT EXCEEDS	1,190		1,040		1,250	
90 PERCENT EXCEEDS	587		674		750	

e Estimated.

a Also occurred Jan 1, 1995.

09073300 ROARING FORK RIVER ABOVE DIFFICULT CREEK NEAR ASPEN, CO

LOCATION.--Lat 39°08'28", long 106°46'25", Pitkin County, Hydrologic Unit 14010004, on left bank in the White River National Forest at Difficult Creek Campground, 0.45 mi upstream from Difficult Creek, and 4.25 mi southeast of Aspen.

DRAINAGE AREA.--75.8 mi².

PERIOD OF RECORD.--October 1979 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09073300

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,120 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Transmountain diversion 11 mi upstream through Twin Lakes Tunnel to Arkansas River Basin since May 24, 1935 (35,550 acre-ft diverted during current year, provided by Colorado Division of Water Resources).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	11	11	11	8.7	7.9	27	32	66	51	17	24
2	32	11	11	11	8.9	9.2	28	32	63	43	17	23
3	35	12	11	11	9.0	9.3	27	37	64	40	22	23
4	32	11	11	9.7	9.0	9.1	26	48	69	38	43	29
5	31	11	11	e10	8.9	8.9	29	63	79	37	43	36
6	30	11	11	e8.0	8.5	8.8	30	82	97	38	43	36
7	28	12	12	e11	e7.8	9.0	32	93	111	35	43	34
8	27	12	12	9.6	9.1	9.0	33	99	111	34	41	30
9	26	12	11	9.4	8.8	9.5	35	100	104	32	39	27
10	25	13	e11	9.4	e8.3	10	31	103	95	31	38	26
11	28	12	e11	9.4	9.1	9.5	28	110	83	29	36	27
12	27	11	e11	9.4	e8.8	9.9	28	94	72	28	36	25
13	26	13	e9.3	9.3	e7.9	11	27	75	65	27	35	26
14	22	13	11	9.4	8.8	11	28	63	67	27	34	24
15	24	12	10	9.4	8.7	12	29	54	70	27	31	24
16	25	11	e9.0	9.4	8.7	11	32	57	65	27	31	24
17	22	13	e11	9.3	8.8	11	34	64	63	31	31	24
18	17	10	11	9.2	8.8	12	34	69	61	28	30	26
19	17	12	11	e9.8	8.8	14	32	91	56	27	34	30
20	16	13	11	9.4	8.7	17	30	105	54	27	37	38
21	16	13	11	e10	8.6	20	29	107	56	25	33	38
22	15	13	11	e9.8	8.6	23	27	97	53	24	33	37
23	15	e11	e11	9.2	8.7	23	26	90	46	24	31	18
24	16	e11	11	9.2	8.6	23	25	84	44	26	18	15
25	14	e12	11	9.1	8.8	27	25	83	43	23	27	14
26	13	12	11	9.2	8.4	29	24	81	43	22	30	13
27	15	13	10	e9.5	9.2	28	27	81	43	22	30	13
28	15	e11	e11	9.2	8.9	24	32	88	40	20	31	12
29	13	12	e10	9.1	8.6	24	35	92	39	20	29	12
30	11	12	11	9.0	---	22	34	78	58	19	27	17
31	11	---	11	9.1	---	25	---	69	---	18	26	---
TOTAL	671	356	336.3	296.5	252.5	477.1	884	2,421	1,980	900	996	745
MEAN	21.6	11.9	10.8	9.56	8.71	15.4	29.5	78.1	66.0	29.0	32.1	24.8
MAX	35	13	12	11	9.2	29	35	110	111	51	43	38
MIN	11	10	9.0	8.0	7.8	7.9	24	32	39	18	17	12
AC-FT	1,330	706	667	588	501	946	1,750	4,800	3,930	1,790	1,980	1,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	29.1	53.3	(1987)	14.8	(2003)	21.3	43.3	(1985)	11.6	(2003)	17.0	31.0	(1985)	10.5	(2003)
	14.8	21.1	(1985)	9.56	(2004)	14.8	24.4	(1985)	8.71	(2004)	15.8	21.1	(1985)	8.71	(2004)
	15.8	24.4	(1985)	9.60	(1981)	14.1	21.1	(1985)	8.71	(1981)	15.8	24.4	(1985)	8.71	(1981)
	31.0	53.8	(1985)	14.9	(1983)	31.0	51.2	(1984)	14.9	(1983)	31.0	51.2	(1984)	14.9	(1983)
	137	149	(1984)	57.4	(1995)	137	149	(1984)	57.4	(1995)	137	149	(1984)	57.4	(1995)
	350	872	(1995)	29.0	(2002)	350	872	(1995)	29.0	(2002)	350	872	(1995)	29.0	(2002)
	159	145	(1995)	18.1	(1981)	159	145	(1995)	18.1	(1981)	159	145	(1995)	18.1	(1981)
	56.9	83.7	(1986)	17.7		56.9	83.7	(1986)	17.7		56.9	83.7	(1986)	17.7	
	38.0	83.7	(1986)	17.7		38.0	83.7	(1986)	17.7		38.0	83.7	(1986)	17.7	

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1980 - 2004
ANNUAL TOTAL	13,575.3	10,315.4	
ANNUAL MEAN	37.2	28.2	a124
HIGHEST ANNUAL MEAN			194
LOWEST ANNUAL MEAN			26.8
HIGHEST DAILY MEAN	571	111	1,930
LOWEST DAILY MEAN	e7.6	e7.8	7.4
ANNUAL SEVEN-DAY MINIMUM	9.1	8.5	8.5
MAXIMUM PEAK FLOW		137	b2,350
MAXIMUM PEAK STAGE		c2.12	5.10
ANNUAL RUNOFF (AC-FT)	26,930	20,460	a89,900
10 PERCENT EXCEEDS	100	64	158
50 PERCENT EXCEEDS	20	24	26
90 PERCENT EXCEEDS	10	9.1	12

e Estimated.
a Includes Twin Lakes Tunnel diversions.
b From rating curve extended above 910 ft³/s.
c Maximum gage height, 2.37 ft, Feb 13, backwater from ice.

09073400 ROARING FORK RIVER NEAR ASPEN, CO

LOCATION.--Lat 39°10'48", long 106°48'05", T. 10 S., R. 84 W., Pitkin County, Hydrologic Unit 14010004, on right bank 25 ft upstream from private bridge, 115 ft upstream from Salvation Ditch headgate, 1.0 mi southeast of Aspen, and 2.0 mi upstream from Hunter Creek.

DRAINAGE AREA.--108 mi².

PERIOD OF RECORD.--October 1964 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09073400

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,014.01 ft above NGVD of 1929. Prior to Apr. 25, 1968, at site 85 ft upstream, at datum 1.16 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversion 14 mi upstream through Twin Lakes Tunnel to Arkansas River Basin since May 24, 1935, (35,550 acre-ft diverted during current year, provided by Colorado Division of Water Resources).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	21	24	22	e17	18	45	57	139	119	37	36
2	45	22	23	23	e17	18	48	54	136	95	36	34
3	55	25	e22	e21	e18	19	45	64	147	83	39	34
4	49	23	e22	e20	e18	19	45	87	165	75	65	43
5	47	21	e22	e14	e17	19	50	110	184	72	68	57
6	45	22	23	e17	e16	18	51	150	219	75	69	55
7	42	24	23	24	e15	19	54	173	240	67	67	52
8	39	25	25	23	e19	20	55	186	239	63	63	47
9	40	23	23	e21	e17	21	64	196	224	59	59	41
10	37	27	e22	e20	e16	22	57	199	207	56	56	39
11	43	25	e23	e20	e18	21	49	212	177	53	54	41
12	41	22	e19	e19	e17	21	49	186	153	50	52	37
13	38	27	e18	e18	e15	23	45	147	142	48	51	39
14	34	27	23	e19	e17	23	47	121	157	46	51	35
15	37	26	e21	e20	19	24	48	107	162	47	46	35
16	37	22	e17	22	19	23	51	118	145	71	45	35
17	35	26	22	e20	19	24	58	138	137	140	47	35
18	29	22	23	e17	19	25	58	139	135	83	48	35
19	28	23	22	e18	20	27	53	185	126	73	55	42
20	28	25	23	22	19	31	51	217	119	67	62	62
21	27	25	23	e19	19	36	49	221	119	61	52	59
22	26	23	23	e16	19	40	46	210	118	53	53	60
23	26	20	e20	e17	19	41	44	191	99	61	53	37
24	26	19	e19	e18	19	43	42	184	92	80	37	31
25	24	24	e21	e19	19	49	42	183	90	60	40	28
26	20	25	23	e17	18	51	40	178	92	52	46	28
27	27	e22	e21	e17	19	51	44	180	90	55	45	26
28	27	e20	e19	e19	20	42	53	186	85	49	48	25
29	24	25	e18	e19	19	38	60	204	81	43	44	25
30	22	24	e22	e18	---	39	61	168	149	41	42	33
31	20	---	23	e18	---	41	---	146	---	40	39	---
TOTAL	1,057	705	672	597	523	906	1,504	4,897	4,368	2,037	1,569	1,186
MEAN	34.1	23.5	21.7	19.3	18.0	29.2	50.1	158	146	65.7	50.6	39.5
MAX	55	27	25	24	20	51	64	221	240	140	69	62
MIN	20	19	17	14	15	18	40	54	81	40	36	25
AC-FT	2,100	1,400	1,330	1,180	1,040	1,800	2,980	9,710	8,660	4,040	3,110	2,350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

	43.4	34.6	29.6	26.6	25.3	27.6	49.0	197	409	191	68.1	50.8
MEAN	43.4	34.6	29.6	26.6	25.3	27.6	49.0	197	409	191	68.1	50.8
MAX	80.0	61.6	47.5	44.6	41.1	44.3	79.7	554	1,017	1,057	186	94.0
(WY)	(1966)	(1985)	(1987)	(1997)	(1997)	(1997)	(1985)	(1984)	(1984)	(1995)	(1995)	(1999)
MIN	23.5	20.7	18.6	17.0	15.4	16.6	26.2	97.0	77.8	46.5	25.7	23.8
(WY)	(1978)	(1978)	(1977)	(1977)	(1977)	(1977)	(1973)	(1983)	(2002)	(2002)	(2002)	(1977)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	25,561		20,021			
ANNUAL MEAN	70.0		54.7		a149	
HIGHEST ANNUAL MEAN					229	
LOWEST ANNUAL MEAN					41.0	
HIGHEST DAILY MEAN	916	May 30	240	Jun 7	1,900	Jul 10, 1995
LOWEST DAILY MEAN	e14	Feb 7	e14	Jan 5	12	Nov 28, 1976
ANNUAL SEVEN-DAY MINIMUM	18	Feb 3	17	Feb 7	15	Feb 1, 1977
MAXIMUM PEAK FLOW			296	Jun 8	b2,230	Jul 11, 1995
MAXIMUM PEAK STAGE			2.20	Jun 8	5.97	Jul 11, 1995
ANNUAL RUNOFF (AC-FT)	50,700		39,710		a108,000	
10 PERCENT EXCEEDS	198		141		238	
50 PERCENT EXCEEDS	32		38		40	
90 PERCENT EXCEEDS	20		19		22	

e Estimated.

a Includes diversions through Twin Lakes Tunnel.

b Also occurred Jun 9, 1985.

09074000 HUNTER CREEK NEAR ASPEN, CO

LOCATION.--Lat 39°12'21", long 106°47'49", Pitkin County, Hydrologic Unit 14010004, on right bank 280 ft upstream from headgate of Red Mountain Ditch, 1.5 mi upstream from mouth, and 1.5 mi northeast of Aspen.

DRAINAGE AREA.--41.1 mi².

PERIOD OF RECORD.--June 1950 to September 1956, September 1969 to current year. Statistical summary computed for 1980 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09074000

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,610 ft above NGVD of 1929, from topographic map. Prior to Sept. 1, 1969, at site 220 ft downstream, at different datum, Sept. 1, 1969 to July 10, 1991 at datum 1.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversion upstream from station to Charles H. Boustead Tunnel by feeder conduit. Several small diversions upstream from station for irrigation of hay meadows upstream and downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	5.9	e4.8	e4.0	e3.0	e2.9	18	26	99	57	13	4.4
2	9.1	6.2	e4.6	e3.9	e3.0	e3.0	21	27	105	37	13	4.2
3	15	7.4	e4.4	e3.7	e3.1	e3.1	20	42	124	42	13	3.9
4	13	e5.0	e4.3	e3.6	e3.1	e3.2	21	64	114	40	11	5.2
5	13	e4.9	e4.2	e2.2	e3.0	e3.1	23	70	135	43	11	8.9
6	11	e4.8	e4.3	e2.8	e2.8	e3.1	22	65	165	46	12	7.1
7	10	e4.8	e4.2	e4.0	e2.4	e3.1	24	67	166	42	11	5.4
8	9.5	e4.8	e4.5	e4.0	e3.2	3.4	23	67	155	38	9.7	4.7
9	9.2	e4.9	e4.3	e3.8	e2.9	4.0	24	64	142	35	8.2	4.4
10	9.1	e5.5	e3.8	e3.7	e2.5	4.4	21	67	124	34	7.4	4.7
11	12	e5.4	e4.2	e3.6	e3.0	4.3	18	68	98	32	6.7	6.5
12	11	e5.0	e3.4	e3.3	e2.7	4.7	17	61	83	30	6.1	5.2
13	9.6	e5.2	e3.2	e3.2	e2.3	5.0	17	54	83	29	5.9	5.4
14	7.9	e5.8	e4.7	e3.3	e2.6	5.2	19	52	86	29	5.8	5.1
15	8.5	e5.4	e4.0	e3.6	e3.0	5.1	19	48	84	35	5.7	4.2
16	8.9	e5.2	e2.9	e4.0	e3.0	4.7	22	51	75	30	5.8	3.7
17	8.0	e5.3	e3.0	e3.8	e2.9	4.8	26	55	61	32	6.3	3.5
18	7.4	e4.9	e3.8	e3.1	e3.2	5.2	26	56	40	28	8.1	3.4
19	7.1	e4.8	e3.8	e3.2	e3.2	6.7	23	62	36	27	12	4.7
20	6.9	e5.1	e3.9	e3.8	e3.2	8.8	22	75	36	29	16	11
21	6.7	e5.1	e4.4	e3.3	e3.2	11	21	83	36	25	10	9.7
22	6.7	e4.8	e4.5	e2.8	e3.2	14	19	78	37	22	9.1	10
23	6.5	e3.4	e3.7	e3.0	e3.1	15	18	66	34	21	8.6	8.2
24	6.2	e3.5	e3.6	e3.3	e3.1	17	17	65	33	25	7.5	7.9
25	5.4	e4.9	e4.2	e3.4	e3.1	19	17	61	35	22	7.1	7.1
26	3.7	e4.8	e4.3	e3.0	e3.0	20	16	62	35	19	6.3	6.7
27	7.0	e4.2	e4.0	e2.9	e3.1	20	23	59	36	18	5.8	6.2
28	6.8	e3.5	e3.6	e3.4	e3.1	18	31	63	34	18	6.2	5.9
29	6.1	e4.9	e3.4	e3.3	e3.0	18	34	63	46	16	5.5	5.8
30	6.6	e4.9	e4.0	e3.2	---	14	31	62	106	15	5.1	12
31	6.0	---	e4.1	e3.1	---	15	---	62	---	14	4.3	---
TOTAL	260.4	150.3	124.1	105.3	86.0	268.8	653	1,865	2,443	930	263.2	185.1
MEAN	8.40	5.01	4.00	3.40	2.97	8.67	21.8	60.2	81.4	30.0	8.49	6.17
MAX	15	7.4	4.8	4.0	3.2	20	34	83	166	57	16	12
MIN	3.7	3.4	2.9	2.2	2.3	2.9	16	26	33	14	4.3	3.4
AC-FT	517	298	246	209	171	533	1,300	3,700	4,850	1,840	522	367

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

	15.7	10.2	6.73	5.69	5.26	6.52	20.1	120	188	71.6	29.8	18.5
MEAN	15.7	10.2	6.73	5.69	5.26	6.52	20.1	120	188	71.6	29.8	18.5
MAX	32.7	25.1	14.4	11.3	9.21	11.3	40.8	287	462	271	74.4	42.1
(WY)	(1985)	(1985)	(1985)	(1987)	(1985)	(1997)	(1989)	(1996)	(1996)	(1995)	(1995)	(1999)
MIN	5.35	3.32	2.33	2.74	2.89	3.66	7.68	44.8	36.3	11.1	4.90	6.17
(WY)	(1990)	(1990)	(1981)	(1981)	(1990)	(1990)	(1983)	(1995)	(2002)	(2002)	(2002)	(2004)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	10,763.2		7,334.2			
ANNUAL MEAN	29.5		20.0		a41.5	
HIGHEST ANNUAL MEAN					81.2	
LOWEST ANNUAL MEAN					14.3	
HIGHEST DAILY MEAN	592	May 30	166	Jun 7	786	Jun 6, 1988
LOWEST DAILY MEAN	e2.9	Dec 16	e2.2	Jan 5	e1.8	Dec 20, 1980
ANNUAL SEVEN-DAY MINIMUM	e3.6	Dec 12	e2.7	Feb 9	1.9	Dec 20, 1980
MAXIMUM PEAK FLOW			244	Jun 6	b1,170	Jun 8, 1985
MAXIMUM PEAK STAGE			2.17	Jun 6	c2.33	Jun 8, 1985
ANNUAL RUNOFF (AC-FT)	21,350		14,550		30,080	
10 PERCENT EXCEEDS	57		61		105	
50 PERCENT EXCEEDS	9.1		6.8		12	
90 PERCENT EXCEEDS	4.0		3.1		4.4	

e Estimated.

a Average discharge for 16 years (water years 1951-1956, 1970-1979), 50.7 ft³/s; 36,730 acre-ft/yr, prior to diversion through Charles H. Boustead Tunnel.

b From rating curve extended above 300 ft³/s.

c Maximum gage height for period of record, 4.30 ft, Nov 30, 1984, backwater from ice.

09080190 RUEDI RESERVOIR NEAR BASALT, CO

LOCATION.--Lat 39°21'50", long 106°49'05", in NW¹/₄ sec.18, T.8 S., R.84 W., Pitkin County, Hydrologic Unit 14010004, in gatehouse of Ruedi Dam just upstream from Rocky Fork Creek, and 13 mi east of Basalt.

DRAINAGE AREA.--223 mi².

PERIOD OF RECORD.--May 1968 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09080190

GAGE.--Water-stage recorder. Datum of gage is 7766.00 ft above NGVD of 1929, (levels by U.S. Bureau of Reclamation); gage readings have been reduced to elevations above NGVD of 1929.

REMARKS.--Reservoir is formed by an earthfill dam. Storage began in May 1968; dam completed July 16, 1968. Capacity, 102,300 acre-ft, 1969 survey, between elevations 7,540.00 ft, sill of auxiliary outlet and 7,766.00 ft, crest of spillway. Dead storage below elevation 7,540.00 ft, 61 acre-ft. Figures given are total contents.

COOPERATION.--Records provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 104,000 acre-ft, June 11, 12, 2000, elevation, 7,767.62 ft; minimum after first filling, 32,430 acre-ft, Apr. 24, 1996, elevation, 7,670.17 ft.

EXTREMES (AT 2400) FOR CURRENT YEAR.--Maximum contents, 93,700 acre-ft, Aug. 3, elevation, 7,757.05 ft; minimum contents, 61,000 acre-ft, Mar. 20, elevation, 7,717.44 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	7,745.94	83,610	-
Oct. 31	7,735.04	74,410	-9,200
Nov. 30	7,733.34	73,040	-1,370
Dec. 31	7,729.48	69,980	-3,060
CAL YR 2003.	-	-	22,530
Jan. 31	7,725.42	66,870	-3,110
Feb. 29	7,720.11	62,930	-3,940
Mar. 31	7,718.27	61,600	-1,330
Apr. 30	7,724.87	66,450	4,850
May 31	7,738.69	77,420	10,970
June 30	7,754.30	91,130	13,710
July 31	7,756.99	93,640	2,510
Aug. 31	7,749.86	87,090	-6,550
Sept. 30	7,741.90	80,120	-6,970
WTR YR 2004.	-	-	-3,490

09080400 FRYINGPAN RIVER NEAR RUEDI, CO

LOCATION.--Lat 39°21'56", long 106°49'30", in SE 1/4 SE 1/4 sec.12, T.8 S., R.85 W., Pitkin County, Hydrologic Unit 14010004, on right bank 0.4 mi downstream from Rocky Fork Creek and Ruedi Dam, 1.5 mi west of former site of Ruedi, and 12.5 mi east of Basalt.

DRAINAGE AREA.--238 mi².

PERIOD OF RECORD.--October 1964 to current year. Statistical summary computed for 1969 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09080400

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Datum of gage is 7,473.25 ft above NGVD of 1929, (levels by U.S. Bureau of Reclamation). Prior to Nov. 7, 1970, at site 2.0 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of hay meadows upstream from station. Transmountain diversions upstream from station to Arkansas River Basin through Busk-Ivanhoe Tunnel since June 1925 and Charles H. Boustead Tunnel since May 16, 1972 (see elsewhere in this report). Flow regulated by Ruedi Reservoir (station 09080190) since May 18, 1968.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

Table with 13 columns: DAY, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP. It lists daily mean discharge values from day 1 to 31, along with summary statistics like TOTAL, MEAN, MAX, MIN, and AC-FT.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004, BY WATER YEAR (WY)

Table with 13 columns representing water years from 1970 to 2001. Rows include MEAN, MAX, (WY), MIN, and (WY) for each year.

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1969 - 2004

Summary statistics table comparing 2003 calendar year, 2004 water year, and historical data (1969-2004) for metrics like ANNUAL TOTAL, MEAN, HIGHEST ANNUAL MEAN, etc.

a Subsequent to completion of Ruedi Reservoir.

b Minimum daily discharge for period of record, 16 ft³/s, Feb 2, 1968 (result of storage in Ruedi Reservoir); minimum daily discharge prior to construction of Ruedi Reservoir, 28 ft³/s, Mar 4, 1966.

c Maximum discharge and stage for period of record, 2,690 ft³/s, Jun 18, 1965, gage height 5.16 ft, site and datum then in use.

d Maximum gage height for statistical period, 3.89 ft, Jun 24, 1983.

09081000 ROARING FORK RIVER NEAR EMMA, CO

LOCATION.--Lat 39°22'24", long 107°05'00", in SW¹/₄NW¹/₄ sec.11, T.8 S., R.87 W., Eagle County, Hydrologic Unit 14010004, on left bank 10 ft upstream from bridge on Hooks Lane, 1.2 mi downstream from Sopris Creek, and 1.2 mi northwest of Emma.

DRAINAGE AREA.--853 mi², approximately.

PERIOD OF RECORD.--August 1908 to September 1909 (monthly discharge only, published in WSP 1313), March 1998 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/? site_no=09081000

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,470 ft above NGVD of 1929, from topographic map. Prior to Mar. 1998, nonrecording gage at different datum.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of about 16,000 acres above station. Transmountain diversions to Arkansas River Basin through Busk-Ivanhoe Tunnel since 1925 and through Twin Lakes Tunnel since 1935. Transmountain diversion from headwaters of Fryingspan River through Charles H. Boustead Tunnel to Arkansas River Basin began May 16, 1972. Natural flow of stream affected by storage in Ruedi Reservoir on Fryingspan River (station 09080190) since May 1968.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	342	268	262	236	228	215	287	330	671	909	325	304
2	360	274	254	234	227	208	301	352	653	785	316	299
3	376	292	245	241	228	215	306	370	732	751	322	298
4	368	278	242	221	232	215	309	417	849	710	353	319
5	364	264	241	182	229	217	360	453	1,030	685	358	336
6	363	260	245	204	225	211	359	533	1,360	682	360	330
7	376	266	245	291	210	212	326	612	1,580	672	355	326
8	378	266	253	261	244	215	323	675	1,640	633	341	316
9	390	264	240	245	221	222	373	730	1,620	608	331	321
10	391	275	222	244	218	229	386	741	1,540	597	327	313
11	394	276	237	242	254	228	342	778	1,230	587	351	320
12	395	269	230	234	218	226	341	744	1,030	606	338	315
13	393	275	220	219	209	231	321	649	928	527	334	314
14	396	290	244	225	238	230	318	567	1,030	559	334	303
15	396	285	244	252	261	234	321	519	1,170	609	331	303
16	392	276	202	253	230	227	327	515	1,090	615	327	300
17	359	284	205	238	225	225	343	546	1,040	781	324	299
18	354	274	239	232	227	232	351	545	980	615	328	297
19	356	267	227	233	228	239	340	635	952	564	353	304
20	358	273	230	245	223	252	334	798	995	530	355	355
21	357	277	258	230	216	264	309	844	981	496	348	414
22	327	277	245	244	215	272	295	862	873	449	351	373
23	325	229	224	227	213	283	279	778	785	439	348	297
24	320	219	227	242	213	307	267	737	791	469	310	277
25	284	267	237	246	216	325	273	743	803	430	298	268
26	279	270	240	222	213	319	255	714	811	401	292	262
27	279	254	231	209	217	324	254	726	771	404	294	257
28	249	234	214	254	223	303	275	748	744	388	320	266
29	258	264	199	240	218	273	295	929	750	357	322	336
30	260	266	241	234	---	276	312	808	1,040	343	318	383
31	267	---	242	231	---	276	---	683	---	333	312	---
TOTAL	10,706	8,033	7,285	7,311	6,519	7,705	9,482	20,081	30,469	17,534	10,276	9,405
MEAN	345	268	235	236	225	249	316	648	1,016	566	331	314
MAX	396	292	262	291	261	325	386	929	1,640	909	360	414
MIN	249	219	199	182	209	208	254	330	653	333	292	257
AC-FT	21,240	15,930	14,450	14,500	12,930	15,280	18,810	39,830	60,440	34,780	20,380	18,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

	1998	1999	2000	2001	2002	2003	2004
MEAN	375	280	247	237	217	223	338
MAX	555	318	283	270	245	260	551
(WY)	(2000)	(2000)	(2002)	(2002)	(2000)	(1999)	(1998)
MIN	246	218	185	172	159	173	235
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1998 - 2004
ANNUAL TOTAL	160,462	144,806	
ANNUAL MEAN	440	396	467
HIGHEST ANNUAL MEAN			680
LOWEST ANNUAL MEAN			308
HIGHEST DAILY MEAN	3,860	1,640	3,860
LOWEST DAILY MEAN	e115	182	e115
ANNUAL SEVEN-DAY MINIMUM	142	213	142
MAXIMUM PEAK FLOW		1,950	8,070
MAXIMUM PEAK STAGE		7.74	a10.40
ANNUAL RUNOFF (AC-FT)	318,300	287,200	338,200
10 PERCENT EXCEEDS	913	750	901
50 PERCENT EXCEEDS	279	305	304
90 PERCENT EXCEEDS	164	223	212

e Estimated.

a Datum then in use.

09081600 CRYSTAL RIVER ABOVE AVALANCHE CREEK, NEAR REDSTONE, CO

LOCATION.--Lat 39°13'56", long 107°13'36", in SE¼SW¼ sec.33, T.9 S., R.88 W., Pitkin County, Hydrologic Unit 14010004, on right bank 1.2 mi upstream from Avalanche Creek, and 3.6 mi north of Redstone.

DRAINAGE AREA.--167 mi².

PERIOD OF RECORD.--October 1955 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09081600

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,905 ft above NGVD of 1929, from river-profile map.

REMARKS.--No estimated daily discharges. Records good. A few small diversions for irrigation upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	59	62	52	39	38	174	235	569	549	142	64
2	87	70	59	51	39	39	188	243	590	508	136	62
3	86	85	57	48	40	41	191	304	729	477	132	61
4	82	65	56	47	40	41	185	406	891	440	129	93
5	79	64	55	28	39	42	219	521	996	413	127	109
6	75	62	56	36	34	40	220	655	1,130	397	131	87
7	73	63	55	57	30	40	221	740	1,310	388	126	83
8	74	62	59	55	43	45	249	783	1,420	361	120	79
9	75	63	55	48	37	52	273	811	1,370	357	114	75
10	74	71	49	47	31	61	265	843	1,190	344	110	78
11	80	70	55	46	39	62	230	857	967	336	106	79
12	74	64	44	43	34	67	215	760	813	309	102	74
13	72	68	41	42	29	75	201	623	796	307	100	75
14	69	77	61	43	33	77	210	518	951	310	96	73
15	69	70	52	47	39	76	206	457	1,030	324	93	71
16	67	67	37	52	39	73	211	464	1,000	318	93	69
17	66	69	39	48	38	71	235	542	949	377	92	68
18	66	64	49	40	41	78	232	651	894	297	93	66
19	63	64	49	41	42	94	207	843	855	276	92	97
20	63	66	50	50	41	123	193	1,000	869	262	93	284
21	62	66	57	42	41	160	187	992	811	238	89	279
22	62	63	58	36	41	184	179	915	662	221	93	206
23	61	44	47	39	40	182	172	802	613	211	92	166
24	61	45	47	42	40	186	157	803	628	221	84	162
25	60	63	55	44	40	204	157	806	643	193	80	147
26	58	62	57	38	39	214	156	821	626	180	76	136
27	60	53	52	37	42	210	189	847	554	186	76	129
28	59	45	46	44	42	168	229	892	523	174	78	124
29	57	64	43	43	40	142	244	965	524	163	71	125
30	56	64	52	42	---	135	254	780	614	154	68	132
31	55	---	53	41	---	145	---	637	---	146	66	---
TOTAL	2,118	1,912	1,607	1,369	1,112	3,165	6,249	21,516	25,517	9,437	3,100	3,353
MEAN	68.3	63.7	51.8	44.2	38.3	102	208	694	851	304	100	112
MAX	87	85	62	57	43	214	273	1,000	1,420	549	142	284
MIN	55	44	37	28	29	38	156	235	523	146	66	61
AC-FT	4,200	3,790	3,190	2,720	2,210	6,280	12,390	42,680	50,610	18,720	6,150	6,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2004, BY WATER YEAR (WY)

MEAN	97.5	71.7	55.5	48.9	48.4	66.7	193	761	1,247	604	195	124
MAX	223	152	95.9	85.3	89.9	184	464	1,223	2,019	1,872	640	253
(WY)	(1998)	(1987)	(1986)	(1985)	(1986)	(1986)	(1962)	(1984)	(1957)	(1957)	(1995)	(1986)
MIN	49.7	39.5	34.1	32.2	28.3	32.4	83.4	288	375	96.9	58.0	59.8
(WY)	(1978)	(1978)	(2002)	(2002)	(1964)	(1964)	(1964)	(1977)	(1977)	(1977)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1956 - 2004
ANNUAL TOTAL	90,454	80,455	
ANNUAL MEAN	248	220	293
HIGHEST ANNUAL MEAN			468
LOWEST ANNUAL MEAN			107
HIGHEST DAILY MEAN	2,210	1,420	3,500
LOWEST DAILY MEAN	26	28	21
ANNUAL SEVEN-DAY MINIMUM	32	35	27
MAXIMUM PEAK FLOW		1,640	4,180
MAXIMUM PEAK STAGE		3.97	6.12
ANNUAL RUNOFF (AC-FT)	179,400	159,600	212,500
10 PERCENT EXCEEDS	914	732	934
50 PERCENT EXCEEDS	74	79	93
90 PERCENT EXCEEDS	38	41	43

09083800 CRYSTAL RIVER BELOW CARBONDALE, CO

LOCATION.--Lat 39°24'29", long 107°13'47", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.7 S., R.88 W., Garfield County, Hydrologic Unit 14010004, on left bank at downstream side of bridge on County Road 108, 1.0 mi upstream from mouth, and 1.0 mi northwest of Carbondale.

DRAINAGE AREA.--350 mi².

PERIOD OF RECORD.--May 2000 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09083800

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,120 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 4,000 acres upstream and downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	58	96	86	73	66	210	310	537	667	147	49
2	38	64	94	85	71	66	227	310	550	604	166	49
3	43	80	93	87	71	70	238	378	791	553	164	53
4	41	77	92	82	72	69	233	475	1,110	506	147	59
5	40	78	92	e61	71	68	282	681	1,300	460	135	74
6	40	93	95	e69	68	68	279	945	1,530	426	147	63
7	41	104	92	88	e62	67	271	1,160	1,730	423	140	58
8	39	99	97	96	72	70	307	1,230	1,780	387	138	56
9	37	99	92	87	69	74	349	1,230	1,740	371	138	57
10	38	104	86	e80	e62	83	366	1,300	1,530	343	128	59
11	41	105	92	e80	e67	86	308	1,320	1,160	329	84	61
12	40	100	84	e77	e64	89	290	1,100	901	294	59	60
13	39	99	79	e75	e61	95	273	834	840	277	57	60
14	42	107	95	e76	e65	97	290	612	1,110	267	56	59
15	46	102	92	e79	e66	97	288	492	1,290	274	55	60
16	42	98	e73	85	68	95	278	479	1,240	285	52	60
17	43	100	e74	79	68	91	302	571	1,200	299	53	63
18	43	96	80	e70	69	98	310	745	1,110	264	55	58
19	42	93	83	e70	70	108	277	1,120	1,050	238	54	65
20	41	97	85	81	69	142	259	1,440	1,090	226	54	208
21	42	97	93	76	69	187	253	1,400	1,020	206	55	272
22	42	95	92	e66	68	210	237	1,260	785	198	57	218
23	39	81	84	e68	68	210	227	1,010	694	186	55	181
24	40	73	79	e72	68	217	209	966	738	196	53	169
25	42	94	86	77	68	239	209	943	779	177	50	151
26	43	96	90	e68	67	264	198	964	756	167	50	137
27	44	86	85	e67	70	260	224	1,010	643	158	49	118
28	44	81	78	77	72	221	282	1,100	596	176	52	111
29	44	94	74	75	68	188	309	1,340	610	165	51	113
30	46	96	83	74	---	183	331	984	765	160	51	118
31	55	---	87	74	---	189	---	702	---	157	50	---
TOTAL	1,289	2,746	2,697	2,387	1,976	4,067	8,116	28,411	30,975	9,439	2,602	2,919
MEAN	41.6	91.5	87.0	77.0	68.1	131	271	916	1,032	304	83.9	97.3
MAX	55	107	97	96	73	264	366	1,440	1,780	667	166	272
MIN	32	58	73	61	61	66	198	310	537	157	49	49
AC-FT	2,560	5,450	5,350	4,730	3,920	8,070	16,100	56,350	61,440	18,720	5,160	5,790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	59.0	97.5	87.0	74.7	70.9	95.8	225	898	998	228	89.7	74.3
MAX	76.0	102	93.4	79.6	76.6	131	271	1,129	1,364	304	162	97.3
(WY)	(2003)	(2003)	(2002)	(2002)	(2001)	(2004)	(2004)	(2001)	(2003)	(2004)	(2001)	(2004)
MIN	41.6	91.5	79.8	69.3	65.1	82.8	187	446	447	62.0	33.9	41.8
(WY)	(2004)	(2004)	(2003)	(2003)	(2003)	(2001)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 2000 - 2004
ANNUAL TOTAL	108,794	97,624	
ANNUAL MEAN	298	267	247
HIGHEST ANNUAL MEAN			301
LOWEST ANNUAL MEAN			147
HIGHEST DAILY MEAN	2,870	Jun 1	2,980
LOWEST DAILY MEAN	32	Sep 30	28
ANNUAL SEVEN-DAY MINIMUM	37	Sep 28	29
MAXIMUM PEAK FLOW		2,190	3,510
MAXIMUM PEAK STAGE		3.84	a4.40
ANNUAL RUNOFF (AC-FT)	215,800	193,600	178,800
10 PERCENT EXCEEDS	1,040	858	700
50 PERCENT EXCEEDS	93	94	91
90 PERCENT EXCEEDS	50	51	51

e Estimated.

a Maximum gage height, 4.56 ft, May 29, 2003.

09089500 WEST DIVIDE CREEK NEAR RAVEN, CO

LOCATION.--Lat 39°19'52", long 107°34'46", in NE¹/₄SW¹/₄ sec.29, T.8 S., R.91 W., Mesa County, Hydrologic Unit 14010005, on left bank 10 ft downstream from private road bridge, 0.8 mi upstream from Brook Creek, 8 mi south of Raven, and 16 mi south of Silt.

DRAINAGE AREA.--64.6 mi².

PERIOD OF RECORD.--October 1955 to September 1999. October 1999 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09089500

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,050 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharge, which is fair. Natural flow of stream affected by water imported from Thompson Creek (Roaring Fork Basin), Muddy Creek (Muddy Creek Basin), and Buzzard Creek (Plateau Creek Basin).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,410 ft³/s, May 14, 1984, from rating curve extended above 670 ft³/s, gage height, 5.83 ft; no flow at times in most years.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 162 ft³/s, May 7, gage height, 3.84 ft; minimum daily, no flow several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.31	---	---	---	---	---	19	63	66	22	0.51	0.00
2	0.40	---	---	---	---	---	23	65	67	17	0.44	0.00
3	0.69	---	---	---	---	---	24	80	72	14	0.41	0.00
4	0.77	---	---	---	---	---	23	91	91	14	0.32	0.00
5	0.68	---	---	---	---	---	34	111	88	12	0.33	0.00
6	0.69	---	---	---	---	---	35	121	96	10	0.43	0.00
7	0.69	---	---	---	---	---	38	136	104	8.7	0.33	0.00
8	0.63	---	---	---	---	---	38	142	98	7.5	0.32	0.00
9	0.56	---	---	---	---	---	45	135	88	5.9	0.22	0.00
10	0.51	---	---	---	---	---	44	134	78	5.0	0.11	0.00
11	0.62	---	---	---	---	---	37	146	69	4.0	0.05	0.00
12	0.68	---	---	---	---	---	36	133	61	2.1	0.04	0.00
13	0.59	---	---	---	---	---	36	111	55	1.5	0.03	0.00
14	0.49	---	---	---	---	---	41	89	54	1.3	0.03	0.00
15	0.45	---	---	---	---	---	43	79	54	1.1	0.02	0.00
16	0.44	---	---	---	---	---	44	78	54	1.1	0.02	0.00
17	0.44	---	---	---	---	---	49	83	52	1.5	0.01	0.00
18	0.44	---	---	---	---	---	53	101	50	1.6	0.01	0.00
19	0.40	---	---	---	---	---	42	126	47	1.7	0.00	0.00
20	0.39	---	---	---	---	---	39	132	42	1.4	0.00	1.0
21	0.40	---	---	---	---	---	38	124	38	1.2	0.12	7.1
22	0.39	---	---	---	---	---	37	117	35	1.5	0.07	4.5
23	0.40	---	---	---	---	---	36	98	29	1.1	0.04	2.8
24	0.40	---	---	---	---	---	34	97	26	1.1	0.03	2.6
25	0.38	---	---	---	---	---	36	84	24	1.1	0.02	2.4
26	0.34	---	---	---	---	---	37	88	25	0.84	0.02	1.9
27	0.34	---	---	---	---	---	44	94	25	0.95	0.01	1.7
28	0.42	---	---	---	---	---	66	93	23	1.5	0.00	1.5
29	0.49	---	---	---	---	---	79	111	19	1.1	0.00	1.5
30	0.46	---	---	---	---	---	77	94	21	0.86	0.00	1.6
31	e0.43	---	---	---	---	---	---	73	---	0.66	0.00	---
TOTAL	15.32	---	---	---	---	---	1,227	3,229	1,651	145.31	3.94	28.60
MEAN	0.49	---	---	---	---	---	40.9	104	55.0	4.69	0.13	0.95
MAX	0.77	---	---	---	---	---	79	146	104	22	0.51	7.1
MIN	0.31	---	---	---	---	---	19	63	19	0.66	0.00	0.00
AC-FT	30	---	---	---	---	---	2,430	6,400	3,270	288	7.8	57

e Estimated.

09095300 DRY FORK AT UPPER STATION, NEAR DE BEQUE, CO

LOCATION.--Lat 39°22'29", long 108°19'02", in SE¹/₄NW¹/₄ sec.10,T.8 S., R.98 W., Garfield County, Hydrologic Unit 14010006, on left bank 120 ft upstream from county bridge on S. Dry Fork Road, 3.8 mi west of intersection with Roan Creek Road, and 7.8 mi northwest of De Beque.

DRAINAGE AREA.--97.4 mi².

PERIOD OF RECORD.--October 1995 to September 1998, November 2000 to September 2004 (discontinued). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09095300

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,385 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected March to October by diversions for irrigation upstream from gage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.11	0.20	e0.13	e0.10	e0.06	0.74	0.04	0.00	0.11	0.08	0.03	0.04
2	0.10	0.47	e0.13	e0.12	e0.07	0.71	0.04	0.00	0.10	0.05	0.03	0.04
3	0.10	0.69	e0.10	e0.09	e0.10	0.66	0.04	0.00	0.08	0.03	0.03	0.05
4	0.12	0.61	e0.09	e0.05	e0.08	0.75	0.04	0.00	0.06	0.03	0.03	3.3
5	0.11	0.36	e0.12	e0.02	e0.07	0.89	0.09	0.00	0.08	0.03	0.10	3.3
6	0.10	0.28	e0.16	e0.03	e0.04	0.43	0.05	0.00	0.08	0.03	4.7	0.33
7	0.10	0.27	e0.15	e0.09	e0.05	0.47	0.04	0.00	0.06	0.03	0.16	0.18
8	0.10	0.27	e0.12	e0.08	e0.07	2.8	0.47	0.00	0.04	0.02	0.12	0.15
9	0.11	0.28	e0.07	e0.06	e0.05	2.6	0.05	0.00	0.03	0.01	0.05	0.12
10	0.10	1.1	e0.07	e0.07	e0.04	1.1	0.03	0.00	0.03	0.01	0.03	0.11
11	0.09	1.6	e0.08	e0.06	e0.06	0.45	0.03	0.00	0.04	0.02	0.03	0.11
12	0.10	0.57	e0.06	e0.06	e0.04	0.11	0.02	0.00	0.05	0.02	0.02	0.10
13	0.10	0.37	e0.07	e0.05	e0.03	0.08	0.02	0.00	0.04	0.01	0.02	0.10
14	0.10	1.4	e0.11	e0.06	e0.09	0.05	0.02	0.00	0.04	0.01	0.02	0.12
15	0.12	0.58	e0.08	e0.08	e0.20	0.04	0.02	0.00	0.03	0.01	0.02	0.09
16	0.12	0.37	e0.04	e0.10	e0.50	0.03	0.02	0.00	0.05	0.03	0.02	0.10
17	0.13	0.46	e0.06	e0.06	e1.4	0.03	0.02	0.00	0.06	0.34	e0.02	0.09
18	0.15	0.92	e0.08	e0.05	e1.5	0.03	0.39	0.00	0.07	0.14	e0.02	0.11
19	0.11	0.66	e0.08	e0.06	e1.6	0.03	0.62	0.00	0.05	0.08	e0.07	16
20	0.15	0.59	e0.08	e0.09	e1.3	0.03	0.04	0.00	0.03	0.07	e0.14	12
21	0.14	0.49	e0.12	e0.06	e1.2	0.03	0.04	0.00	0.04	0.06	0.21	2.1
22	0.16	0.41	e0.11	e0.05	e1.3	0.04	0.36	0.00	0.04	0.03	0.07	0.43
23	0.18	e0.04	e0.06	e0.06	e1.4	0.04	1.3	0.00	0.02	0.02	0.06	0.14
24	0.16	e0.06	e0.07	e0.07	e1.5	0.04	0.00	0.00	0.03	0.02	0.05	0.08
25	0.16	e0.09	e0.08	e0.06	e1.6	0.04	0.00	0.00	0.03	0.03	0.05	0.16
26	0.30	e0.09	e0.11	e0.03	e1.6	0.04	0.00	0.00	0.16	0.02	0.05	0.06
27	0.08	e0.05	e0.07	e0.05	e1.7	0.04	0.00	0.05	0.54	0.21	0.04	0.06
28	0.19	e0.05	e0.04	e0.08	e1.3	0.04	0.00	0.13	0.11	0.34	0.04	0.06
29	0.14	e0.10	e0.05	e0.09	1.1	0.04	0.00	0.18	0.09	0.15	0.05	0.08
30	0.28	e0.12	e0.08	e0.10	---	0.04	0.00	0.24	0.08	0.10	0.04	0.09
31	0.12	---	e0.09	e0.09	---	0.04	---	0.16	---	0.04	0.04	---
TOTAL	4.13	13.55	2.76	2.12	20.05	12.46	3.79	0.76	2.27	2.07	6.36	39.70
MEAN	0.13	0.45	0.09	0.07	0.69	0.40	0.13	0.02	0.08	0.07	0.21	1.32
MAX	0.30	1.6	0.16	0.12	1.7	2.8	1.3	0.24	0.54	0.34	4.7	16
MIN	0.08	0.04	0.04	0.02	0.03	0.03	0.00	0.00	0.02	0.01	0.02	0.04
AC-FT	8.2	27	5.5	4.2	40	25	7.5	1.5	4.5	4.1	13	79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	2.28	2.28	1.48	1.65	2.82	4.32	2.01	4.26	1.18	1.44	1.36	1.88
MAX	7.18	5.09	4.58	4.97	9.42	12.8	9.42	25.9	4.62	7.50	4.05	6.69
(WY)	(1998)	(1998)	(1998)	(1998)	(1996)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)
MIN	0.13	0.45	0.02	0.01	0.16	0.40	0.13	0.02	0.01	0.00	0.01	0.33
(WY)	(2004)	(2004)	(2001)	(2001)	(2001)	(2004)	(2004)	(2004)	(2001)	(2001)	(2002)	(2001)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1996 - 2004	
ANNUAL TOTAL	167.21	110.02		
ANNUAL MEAN	0.46	0.30	2.50	
HIGHEST ANNUAL MEAN			7.84	1998
LOWEST ANNUAL MEAN			0.30	2004
HIGHEST DAILY MEAN	17	Sep 10	16	Sep 19
LOWEST DAILY MEAN	0.00	Aug 10	0.00	Apr 24
ANNUAL SEVEN-DAY MINIMUM	0.01	Aug 6	0.00	Apr 24
MAXIMUM PEAK FLOW			110	Sep 19
MAXIMUM PEAK STAGE			4.11	Sep 19
ANNUAL RUNOFF (AC-FT)	332	218	1,810	
10 PERCENT EXCEEDS	0.58	0.60	5.4	
50 PERCENT EXCEEDS	0.18	0.07	0.72	
90 PERCENT EXCEEDS	0.04	0.01	0.04	

e Estimated.

a No flow many days some years.

b On basis of slope-area measurement of peak flow.

09097900 PLATEAU CREEK BELOW COLLBRAN, CO

LOCATION.--Lat 39°14'23", long 107°58'15", in NE¹/₄NE¹/₄ sec.34, T.9 S., R.95 W., Mesa County, Hydrologic Unit 14010005, on right bank 15 ft downstream from private bridge, 0.3 mi downstream from Grove Creek, and 0.6 mi west of Collbran.

DRAINAGE AREA.--328 mi².

PERIOD OF RECORD.--April 2003 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09097900

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,920 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs and diversions for irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	18	22	20	18	20	74	137	78	15	15	16
2	21	19	22	21	18	19	80	126	63	16	14	17
3	26	20	21	22	17	21	84	150	57	14	14	15
4	18	21	21	19	18	21	83	194	59	14	13	23
5	17	22	20	18	18	21	139	239	54	14	13	28
6	17	20	21	19	17	19	143	283	53	13	23	21
7	15	21	23	21	18	20	118	314	56	16	17	18
8	16	24	24	21	18	23	120	318	51	16	15	16
9	16	24	22	20	18	27	156	302	41	12	14	15
10	15	29	20	20	17	32	195	294	39	12	13	17
11	15	29	21	20	18	35	143	353	36	13	13	16
12	15	25	20	20	16	40	146	253	34	11	13	14
13	15	26	19	19	17	38	132	197	31	10	13	14
14	16	30	21	19	17	37	127	144	29	10	11	15
15	16	27	20	20	18	38	123	112	23	e12	11	15
16	16	25	17	20	18	36	114	103	22	e13	14	16
17	17	25	19	19	18	33	120	130	24	e14	16	16
18	16	23	19	18	19	38	127	157	28	e17	15	16
19	16	24	20	18	21	49	115	274	23	e13	16	23
20	16	24	20	19	20	65	97	326	20	12	15	36
21	16	25	21	18	20	76	92	245	20	12	15	70
22	16	23	21	17	20	93	105	188	20	11	20	61
23	16	17	20	17	20	104	104	133	16	13	19	39
24	16	18	19	17	20	115	96	117	14	17	15	35
25	16	20	20	18	21	130	107	94	13	15	15	30
26	15	21	21	17	20	129	111	84	13	16	13	29
27	16	20	21	17	21	109	125	82	13	22	14	29
28	17	20	20	17	24	78	143	111	12	27	14	27
29	16	21	20	18	20	60	150	154	15	22	16	27
30	15	21	21	18	---	58	157	151	13	21	15	31
31	16	---	20	18	---	60	---	113	---	18	16	---
TOTAL	510	682	636	585	545	1,644	3,626	5,878	970	461	460	745
MEAN	16.5	22.7	20.5	18.9	18.8	53.0	121	190	32.3	14.9	14.8	24.8
MAX	26	30	24	22	24	130	195	353	78	27	23	70
MIN	15	17	17	16	16	19	74	82	12	10	11	14
AC-FT	1,010	1,350	1,260	1,160	1,080	3,260	7,190	11,660	1,920	914	912	1,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
MEAN	16.5	22.7	20.5	18.9	18.8	53.0	121	235	43.4	11.1	12.7	22.6
MAX	16.5	22.7	20.5	18.9	18.8	53.0	121	280	54.5	14.9	14.8	24.8
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2004)	(2004)	(2004)
MIN	16.5	22.7	20.5	18.9	18.8	53.0	121	190	32.3	7.34	10.6	20.3
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)

SUMMARY STATISTICS

	FOR 2004 WATER YEAR	WATER YEARS 2003 - 2004
ANNUAL TOTAL	16,742	
ANNUAL MEAN	45.7	45.7
HIGHEST ANNUAL MEAN		45.7
LOWEST ANNUAL MEAN		45.7
HIGHEST DAILY MEAN	353	505
LOWEST DAILY MEAN	10	5.9
ANNUAL SEVEN-DAY MINIMUM	11	6.5
MAXIMUM PEAK FLOW	485	780
MAXIMUM PEAK STAGE	4.68	5.27
ANNUAL RUNOFF (AC-FT)	33,210	33,140
10 PERCENT EXCEEDS	126	126
50 PERCENT EXCEEDS	20	20
90 PERCENT EXCEEDS	14	14

e Estimated.

09105000 PLATEAU CREEK NEAR CAMEO, CO

LOCATION.--Lat 39°11'00", long 108°16'02", in SW¹/₄SW¹/₄ sec.18, T.10 S., R.97 W., Mesa County, Hydrologic Unit 14010005, on left bank 300 ft from State Highway 65, 1.15 mi upstream from mouth, and 4.0 mi northeast of Cameo.

DRAINAGE AREA.--592 mi².

PERIOD OF RECORD.--October 1935 to September 1983. October 1985 to current year. Prior to May 1936, monthly discharges only, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09105000

REVISED RECORDS.--WSP 979: 1942. WSP 2124: Drainage area. WDR CO-83-2: 1973 (M), 1975 (M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,840 ft above NGVD of 1929, from topographic map. Prior to Aug. 27, 1936, nonrecording gage.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation of about 25,000 acres, return flow from irrigated areas, and for power development.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	60	64	e59	e61	65	108	203	152	63	49	44
2	63	64	65	e61	e60	59	120	176	137	60	46	43
3	69	69	e62	e62	59	64	126	203	121	57	45	44
4	65	67	e60	e58	57	62	126	258	125	56	41	123
5	60	68	e58	48	56	63	262	301	129	54	40	126
6	59	66	e59	e53	e60	60	216	348	132	57	70	84
7	59	66	e59	e56	e56	59	168	380	128	55	61	71
8	69	66	e61	e55	e58	63	181	384	116	57	55	57
9	64	68	e59	e53	56	71	210	368	96	52	49	58
10	59	76	e54	e51	53	80	265	364	88	51	40	64
11	56	76	e57	e52	56	79	212	454	92	50	38	67
12	55	71	e56	e52	e56	85	201	346	87	52	37	69
13	55	70	e55	e51	e62	89	179	283	88	49	36	67
14	54	82	e57	e53	e64	82	165	224	80	48	34	64
15	55	74	e55	e56	e56	84	163	185	69	53	34	61
16	54	70	e52	e63	e60	80	153	175	69	54	35	63
17	53	71	e59	e61	56	76	155	200	71	60	65	59
18	54	68	e61	e57	58	79	164	227	85	63	57	61
19	54	66	e61	e58	74	87	162	320	83	58	61	105
20	53	69	e57	e61	80	106	137	419	80	54	53	136
21	52	72	e61	e62	69	121	126	348	84	51	46	272
22	54	69	e62	58	69	136	167	268	95	42	58	198
23	53	60	e56	57	69	150	194	207	87	46	56	148
24	54	e63	e55	64	65	164	159	194	61	71	52	133
25	54	e65	e57	63	68	174	165	160	56	60	51	133
26	54	e68	e58	e58	67	184	164	148	57	61	47	128
27	56	e64	e57	e61	71	160	172	150	56	78	41	126
28	58	e63	e57	e66	98	131	201	183	55	94	43	123
29	59	e64	e59	e60	73	102	215	253	57	74	46	129
30	57	e65	e61	e63	---	95	228	253	64	61	46	122
31	56	---	e61	e64	---	95	---	198	---	54	43	---
TOTAL	1,776	2,040	1,815	1,796	1,847	3,005	5,264	8,180	2,700	1,795	1,475	2,978
MEAN	57.3	68.0	58.5	57.9	63.7	96.9	175	264	90.0	57.9	47.6	99.3
MAX	69	82	65	66	98	184	265	454	152	94	70	272
MIN	52	60	52	48	53	59	108	148	55	42	34	43
AC-FT	3,520	4,050	3,600	3,560	3,660	5,960	10,440	16,230	5,360	3,560	2,930	5,910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2004, BY WATER YEAR (WY)

MEAN	113	102	86.1	77.0	82.1	107	240	656	495	119	79.2	93.9
MAX	333	207	148	117	148	220	759	1,825	2,975	796	328	255
(WY)	(1942)	(1987)	(1942)	(1998)	(1958)	(1998)	(1942)	(1942)	(1983)	(1995)	(1983)	(1997)
MIN	25.2	37.3	42.1	41.4	42.8	58.3	71.9	33.8	15.6	10.2	13.4	17.4
(WY)	(1978)	(1978)	(1991)	(1961)	(1978)	(1964)	(1990)	(1977)	(2002)	(2002)	(1977)	(1977)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1936 - 2004	
ANNUAL TOTAL	31,069		34,671			
ANNUAL MEAN	85.1		94.7		189	
HIGHEST ANNUAL MEAN					542	
LOWEST ANNUAL MEAN					48.8	
HIGHEST DAILY MEAN	690	May 23	454	May 11	4,100	Jun 25, 1983
LOWEST DAILY MEAN	19	Jul 17	34	Aug 14	a7.4	Jul 21, 2002
ANNUAL SEVEN-DAY MINIMUM	20	Jul 16	36	Aug 10	8.2	Jul 19, 2002
MAXIMUM PEAK FLOW			579	May 20	5,580	Jun 15, 1973
MAXIMUM PEAK STAGE			3.66	May 20	b7.99	Jun 15, 1973
ANNUAL RUNOFF (AC-FT)	61,630		68,770		136,600	
10 PERCENT EXCEEDS	173		188		402	
50 PERCENT EXCEEDS	57		64		95	
90 PERCENT EXCEEDS	28		52		46	

e Estimated.

a Also occurred Jul 24, 2002.

b Maximum gage height, 8.73 ft, Jun 16, 1995.

09106200 LEWIS WASH NEAR GRAND JUNCTION, CO

LOCATION.--Lat 39°03'38", long 108°28'38", in NE¹/₄NE¹/₄ sec.21, T.1 S., R.1 E, Ute Meridian, Mesa County, Hydrologic Unit 14020005, on right bank 70 ft downstream of the 31 Road bridge, 650 ft upstream from mouth, and 4.5 mi east of Grand Junction.

DRAINAGE AREA.--4.72 mi².

PERIOD OF RECORD.--April 1973 to September 1979, April 2002 to April 2004 (discontinued). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09106200

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,610 ft above NGVD of 1929, from topographic map. Prior to Apr. 22, 2002 at site 70 ft upstream at different datum.

REMARKS.--Records good except for the period Oct. 1 to Nov. 7 and estimated daily discharges, which are poor. Flow is mostly return flow and waste water from lands irrigated under the Government Highline Canal and Price and Stub Ditches. At times overflow from water delivered by the Grand Valley Canal to Mesa County Ditch flows past station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 190 ft³/s, Sept. 10, 2003, gage height, 5.40 ft; minimum daily, 0.02 ft³/s, Mar. 29, 2003, and Mar. 29, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge for period October to April, 46 ft³/s, Nov. 5, gage height, 3.13 ft; minimum daily, 0.02 ft³/s, Mar. 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	12	0.28	0.25	0.20	0.06	0.17	---	---	---	---	---
2	25	14	0.29	1.1	0.09	0.07	0.16	---	---	---	---	---
3	25	14	0.25	0.91	0.12	0.07	0.22	---	---	---	---	---
4	24	14	0.25	0.38	0.92	0.09	0.53	---	---	---	---	---
5	23	26	0.26	0.24	0.38	0.10	e2.1	---	---	---	---	---
6	22	28	0.28	0.29	0.13	0.04	e7.8	---	---	---	---	---
7	21	15	0.29	0.23	0.08	0.04	---	---	---	---	---	---
8	21	3.2	2.1	0.20	0.08	0.06	---	---	---	---	---	---
9	19	2.7	0.35	0.19	0.06	0.08	---	---	---	---	---	---
10	16	2.3	0.25	0.70	0.06	0.09	---	---	---	---	---	---
11	17	0.73	0.28	0.20	0.07	0.07	---	---	---	---	---	---
12	15	0.37	0.25	0.19	0.07	0.10	---	---	---	---	---	---
13	16	0.36	0.23	0.17	0.13	0.10	---	---	---	---	---	---
14	16	0.40	0.25	0.17	0.14	0.06	---	---	---	---	---	---
15	15	0.31	0.26	0.18	0.13	0.05	---	---	---	---	---	---
16	16	0.31	0.18	0.19	0.16	0.08	---	---	---	---	---	---
17	15	0.54	0.18	0.17	0.24	0.08	---	---	---	---	---	---
18	16	0.26	0.20	0.16	0.19	0.06	---	---	---	---	---	---
19	14	0.24	0.21	0.44	0.17	0.05	---	---	---	---	---	---
20	15	0.29	0.23	0.19	0.13	0.03	---	---	---	---	---	---
21	15	0.34	0.23	0.16	0.91	0.04	---	---	---	---	---	---
22	21	0.96	0.22	0.13	0.27	0.07	---	---	---	---	---	---
23	25	0.24	0.19	0.14	0.09	0.06	---	---	---	---	---	---
24	18	0.22	0.22	0.18	0.08	0.12	---	---	---	---	---	---
25	11	0.28	0.24	0.20	0.08	0.05	---	---	---	---	---	---
26	11	0.27	0.31	0.19	0.12	0.04	---	---	---	---	---	---
27	11	0.25	0.25	0.12	0.17	0.04	---	---	---	---	---	---
28	11	0.22	0.24	0.16	0.26	0.03	---	---	---	---	---	---
29	9.7	0.26	0.22	0.16	0.08	0.02	---	---	---	---	---	---
30	9.7	0.28	0.28	0.17	---	0.03	---	---	---	---	---	---
31	10	---	0.25	0.67	---	0.05	---	---	---	---	---	---
TOTAL	524.4	138.33	9.52	8.83	5.61	1.93	---	---	---	---	---	---
MEAN	16.9	4.61	0.31	0.28	0.19	0.06	---	---	---	---	---	---
MAX	25	28	2.1	1.1	0.92	0.12	---	---	---	---	---	---
MIN	9.7	0.22	0.18	0.12	0.06	0.02	---	---	---	---	---	---
AC-FT	1,040	274	19	18	11	3.8	---	---	---	---	---	---
CAL YR	2003	TOTAL 3,030.86	MEAN 8.30	MAX 48	MIN 0.02	AC-FT 6010						

e Estimated.

09107000 TAYLOR RIVER AT TAYLOR PARK, CO

LOCATION.--Lat 38°51'37", long 106°33'58", in NW¹/₄NE¹/₄ sec.5, T.14 S., R.82 W., Gunnison County, Hydrologic Unit 14020001, on left bank 0.2 mi upstream from Taylor Park Reservoir waterline, 2.7 mi north of Taylor Park, and 21 mi northeast of Almont.

DRAINAGE AREA.--128 mi².

PERIOD OF RECORD.--June 1929 to September 1934, October 1987 to current year. Records for 1929-1934 provided by Colorado Division of Water Resources, published in WSP 1313. Statistical summary computed for 1988 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09107000

REVISED RECORDS.--WSP 1313: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 9,340 ft above NGVD of 1929, from topographic map. June 1929 to Sept. 1934 water-stage recorder at different datum at site flooded by waters of Taylor Park Reservoir since 1937.

REMARKS.--Records good except for March 20 to May 4, which are fair, and estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	42	e44	e36	e37	e37	54	68	217	181	57	41
2	57	48	e40	e31	e37	e37	54	74	225	142	58	39
3	62	54	e38	e30	e38	e38	56	90	262	124	61	40
4	56	45	e34	e28	e38	e39	55	124	306	114	57	63
5	54	45	e33	e26	e37	e38	63	161	350	108	56	68
6	50	45	30	e31	e34	e37	65	204	378	104	59	54
7	47	46	29	e40	e29	e36	61	236	395	100	56	48
8	46	46	31	e40	e37	e36	65	259	389	95	53	46
9	45	44	33	e35	e34	e37	64	279	367	92	50	45
10	46	52	e33	e34	e30	e38	58	296	341	93	47	46
11	51	49	e36	e34	e37	e39	52	317	288	89	45	49
12	46	43	e31	e33	e34	e42	54	276	250	84	44	45
13	43	52	e28	e32	e29	e45	52	210	229	81	43	47
14	41	50	e44	e35	e32	e47	56	169	234	79	42	43
15	43	46	e37	e38	e37	e45	55	157	246	83	42	42
16	43	43	e29	e40	e37	e43	59	179	235	86	46	40
17	43	48	e30	e38	e36	e40	66	202	224	165	53	40
18	43	36	e37	e35	e37	e41	66	205	222	150	56	40
19	43	e37	e40	e36	e39	e42	58	271	202	116	70	55
20	42	e41	e41	e38	e38	43	56	342	189	108	64	79
21	41	e42	e42	e36	e38	54	57	348	189	107	55	66
22	41	e41	e36	e35	e38	60	54	341	186	89	61	60
23	40	e32	e36	e36	e38	59	55	302	156	90	61	55
24	39	e33	e37	e38	e37	59	52	293	148	118	53	52
25	36	e48	e41	e39	e38	72	55	288	151	91	48	50
26	35	e48	e43	e37	e37	69	54	277	165	82	46	49
27	41	e41	e40	e36	e40	59	65	295	154	90	46	48
28	40	e34	e37	e39	e40	46	75	327	148	81	48	47
29	39	e47	e34	e38	e39	43	75	351	141	73	44	50
30	39	e49	e39	e38	---	46	73	280	246	68	42	63
31	39	---	e39	e37	---	50	---	226	---	64	41	---
TOTAL	1,375	1,327	1,122	1,099	1,052	1,417	1,784	7,447	7,233	3,147	1,604	1,510
MEAN	44.4	44.2	36.2	35.5	36.3	45.7	59.5	240	241	102	51.7	50.3
MAX	62	54	44	40	40	72	75	351	395	181	70	79
MIN	35	32	28	26	29	36	52	68	141	64	41	39
AC-FT	2,730	2,630	2,230	2,180	2,090	2,810	3,540	14,770	14,350	6,240	3,180	3,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	57.5	47.4	39.7	34.5	33.4	38.6	75.2	260	371	169	84.3	63.9					
MAX	91.3	71.6	53.8	41.9	38.2	50.5	119	447	767	719	236	122					
(WY)	(1996)	(1996)	(1996)	(1997)	(1995)	(1997)	(1996)	(1996)	(1995)	(1995)	(1995)	(1995)					
MIN	39.6	34.5	30.0	26.6	25.2	28.2	39.4	148	94.9	38.0	28.5	32.6					
(WY)	(1989)	(1989)	(1989)	(2003)	(2003)	(2003)	(1995)	(2002)	(2002)	(2002)	(2002)	(2002)					

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1988 - 2004
ANNUAL TOTAL	31,422	30,117	
ANNUAL MEAN	86.1	82.3	106
HIGHEST ANNUAL MEAN			197
LOWEST ANNUAL MEAN			56.3
HIGHEST DAILY MEAN	743	May 30	395 Jun 7
LOWEST DAILY MEAN	e21	Mar 2	e26 Jan 5
ANNUAL SEVEN-DAY MINIMUM	22	Mar 1	32 Dec 7
MAXIMUM PEAK FLOW			455 Jun 7
MAXIMUM PEAK STAGE			2.56 Jun 7
ANNUAL RUNOFF (AC-FT)	62,330	59,740	77,060
10 PERCENT EXCEEDS	199	223	257
50 PERCENT EXCEEDS	47	47	52
90 PERCENT EXCEEDS	25	36	33

e Estimated.

09109000 TAYLOR RIVER BELOW TAYLOR PARK RESERVOIR, CO

LOCATION.--Lat 38°49'06", long 106°36'31", Gunnison County, Hydrologic Unit 14020001, on bridge 1,000 ft downstream from Taylor Park Reservoir Dam, 3.4 mi upstream from Lottis Creek, and 17 mi northeast of Almont.

DRAINAGE AREA.--254 mi².

PERIOD OF RECORD.--June 1929 to September 1934 (monthly discharges only, published in WSP 1313), October 1938 to current year. Statistical summary computed for 1939 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09109000

REVISED RECORDS.--WSP 1924: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 9,169.67 ft above NGVD of 1929, (levels by U.S. Bureau of Reclamation). Prior to Nov. 11, 1952, at site 1,600 ft downstream, at datum 1.00 ft lower. Oct. 15, 1946 to May 4, 1952, supplementary nonrecording gage just downstream from reservoir outlet at different sites and datums used during winter months.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Taylor Park Reservoir (station 09108500) since 1937. One small diversion for irrigation from Willow Creek upstream from reservoir.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	53	53	53	51	53	53	101	207	305	298	247
2	100	53	53	53	51	53	53	101	231	305	296	246
3	100	53	53	52	51	53	53	114	250	305	294	246
4	100	53	51	52	51	53	53	138	250	305	295	246
5	100	53	51	51	51	53	53	150	250	304	295	246
6	77	53	52	51	51	53	53	150	250	306	294	245
7	51	53	53	52	51	53	53	150	251	305	294	245
8	51	53	52	53	51	53	53	150	251	305	294	244
9	51	53	53	53	51	53	53	150	251	305	294	245
10	51	53	53	53	51	53	53	149	252	304	293	243
11	51	53	53	53	52	53	53	148	251	304	292	244
12	51	53	53	53	51	53	53	147	252	303	290	244
13	51	53	53	53	51	53	52	147	252	304	289	244
14	50	53	51	53	51	53	52	147	252	303	289	243
15	51	53	49	53	52	53	53	147	252	303	289	243
16	53	53	49	53	52	53	53	148	282	303	289	242
17	53	53	48	53	53	53	53	172	303	304	288	243
18	53	52	48	53	52	53	53	201	303	303	289	242
19	53	51	48	53	53	53	53	202	304	302	288	243
20	53	51	49	53	51	53	53	202	304	302	284	243
21	53	52	51	53	52	53	53	203	304	302	284	242
22	53	53	51	53	53	53	52	204	304	302	284	242
23	53	53	51	52	53	53	76	204	305	302	283	243
24	53	52	51	51	52	53	101	204	305	301	283	242
25	53	53	52	51	53	53	101	204	305	299	282	242
26	53	53	53	51	53	53	101	205	305	299	283	241
27	53	51	53	50	53	53	101	204	306	299	282	241
28	53	51	52	50	53	53	101	205	305	298	281	241
29	53	52	51	50	53	53	101	205	305	299	280	241
30	53	52	52	51	---	53	101	206	305	298	280	241
31	53	---	53	51	---	53	---	206	---	298	271	---
TOTAL	1,883	1,577	1,595	1,616	1,503	1,643	1,946	5,264	8,247	9,377	8,927	7,300
MEAN	60.7	52.6	51.5	52.1	51.8	53.0	64.9	170	275	302	288	243
MAX	100	53	53	53	53	53	101	206	306	306	298	247
MIN	50	51	48	50	51	53	52	101	207	298	271	241
AC-FT	3,730	3,130	3,160	3,210	2,980	3,260	3,860	10,440	16,360	18,600	17,710	14,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	186	94.1	74.5	64.3	62.8	85.7	146	181	328	392	353	383
MAX	586	438	353	195	196	320	655	550	931	1,249	646	809
(WY)	(1969)	(1968)	(1966)	(1966)	(1971)	(1986)	(1970)	(1962)	(1948)	(1957)	(1950)	(1956)
MIN	11.4	10.0	6.00	4.02	4.00	4.19	9.44	0.00	0.00	147	166	99.5
(WY)	(1962)	(1941)	(1964)	(1964)	(1964)	(1964)	(1964)	(1940)	(1940)	(1964)	(2002)	(1961)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	41,260		50,878			
ANNUAL MEAN	113		139		197	
HIGHEST ANNUAL MEAN					341	
LOWEST ANNUAL MEAN					94.8	
HIGHEST DAILY MEAN	254	Jul 6	306	Jun 27	2,180	Jul 1, 1957
LOWEST DAILY MEAN	48	Dec 17	48	Dec 17	a0.00	May 1, 1940
ANNUAL SEVEN-DAY MINIMUM	49	Dec 14	49	Dec 14	0.00	May 1, 1940
MAXIMUM PEAK FLOW			317		2,270	
MAXIMUM PEAK STAGE			4.48		7.56	
ANNUAL RUNOFF (AC-FT)	81,840		100,900		142,400	
10 PERCENT EXCEEDS	249		302		468	
50 PERCENT EXCEEDS	63		53		107	
90 PERCENT EXCEEDS	52		51		19	

a Also occurred May 2 to Jul 3, 1940, May 7-22, 1942, May 5-21, 1943.

09110000 TAYLOR RIVER AT ALMONT, CO

LOCATION.--Lat 38°39'52", long 106°50'41", in NW¼SE¼ sec.22, T.51 N., R.1 E., Gunnison County, Hydrologic Unit 14020001, on left bank at Almont, 15 ft downstream from bridge on State Highway 306, and 800 ft upstream from confluence with East River.

DRAINAGE AREA.--477 mi².

PERIOD OF RECORD.--July 1910 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09110000

REVISED RECORDS.--WSP 1213: 1911. WSP 1924: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 8,010.76 ft above NGVD of 1929. Prior to Apr. 16, 1922, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow partly regulated since September 1937 by Taylor Park Reservoir (station 09108500), 24 mi upstream from station. Diversions for irrigation of about 360 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	102	e96	e92	e92	e84	128	176	383	420	350	278
2	146	105	e93	e91	e90	e88	135	177	395	401	347	276
3	148	111	e89	e86	e94	e83	136	187	433	388	348	276
4	148	104	e88	e79	e94	e92	135	232	457	384	342	288
5	149	103	e85	e66	e94	e91	141	261	467	378	331	286
6	148	102	e86	e82	e85	e92	150	275	479	381	328	283
7	113	105	e87	e90	e89	e89	149	296	479	381	327	281
8	109	105	e89	e93	e93	e93	151	314	468	380	325	281
9	109	103	e84	e85	e89	e95	158	322	453	376	322	282
10	109	108	e75	e86	e92	e96	151	346	429	374	320	285
11	110	105	e81	e82	e94	95	138	367	404	369	320	285
12	108	99	e78	e79	e86	96	141	365	391	363	319	285
13	108	105	e77	e79	e82	96	139	343	377	362	320	284
14	107	106	e86	e85	e87	97	145	319	373	358	319	280
15	107	105	e82	e93	e91	102	143	308	381	372	321	280
16	108	102	e78	e94	e93	100	147	302	399	378	318	280
17	107	e101	e81	e91	e93	102	151	319	432	382	320	280
18	105	e99	e83	e82	e92	105	156	365	433	413	323	281
19	106	e97	e85	e86	e92	106	141	397	425	391	326	291
20	106	e100	e89	e92	e92	111	135	436	417	383	325	303
21	106	e100	e91	e90	e92	117	121	444	413	374	324	294
22	108	e94	e92	e85	e89	122	117	451	410	367	327	285
23	107	e89	e85	e90	e93	128	123	436	399	367	326	278
24	106	e91	e88	e90	e92	132	159	425	373	369	322	276
25	104	e99	e91	e92	e89	136	169	419	364	365	318	276
26	103	e98	e90	e89	e87	140	165	415	378	362	314	276
27	106	e93	e88	e92	e92	140	169	423	392	366	313	274
28	106	e93	e88	e94	e85	125	170	429	386	366	312	274
29	102	e98	e91	e94	e84	116	168	452	387	364	311	276
30	102	e96	e95	e95	---	117	174	430	453	359	311	287
31	102	---	e92	e92	---	120	---	397	---	354	309	---
TOTAL	3,541	3,018	2,683	2,716	2,617	3,306	4,405	10,828	12,430	11,647	10,038	8,461
MEAN	114	101	86.5	87.6	90.2	107	147	349	414	376	324	282
MAX	149	111	96	95	94	140	174	452	479	420	350	303
MIN	102	89	75	66	82	83	117	176	364	354	309	274
AC-FT	7,020	5,990	5,320	5,390	5,190	6,560	8,740	21,480	24,650	23,100	19,910	16,780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

	242	154	121	110	109	133	244	592	904	565	411	386
MEAN	242	154	121	110	109	133	244	592	904	565	411	386
MAX	699	518	424	240	288	456	784	1,485	2,419	1,975	707	855
(WY)	(1969)	(1968)	(1966)	(1966)	(1971)	(1985)	(1970)	(1936)	(1914)	(1957)	(1960)	(1956)
MIN	60.3	53.3	39.8	40.8	35.2	34.6	55.8	129	109	168	83.2	91.6
(WY)	(1938)	(1938)	(1963)	(1941)	(1941)	(1938)	(1941)	(1940)	(1940)	(1931)	(1913)	(1937)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1910 - 2004

ANNUAL TOTAL	70,258.0											
ANNUAL MEAN	192									332		
HIGHEST ANNUAL MEAN										550		1995
LOWEST ANNUAL MEAN										155		1977
HIGHEST DAILY MEAN	732				May 30		479	Jun 6		3,600		Jun 9, 1920
LOWEST DAILY MEAN	e75				Dec 10		e66	Jan 5		a24		Mar 12, 1938
ANNUAL SEVEN-DAY MINIMUM	80				Dec 10		80	Dec 10		27		Feb 19, 1941
MAXIMUM PEAK FLOW							495	Jun 6		b3,760		Jun 9, 1920
MAXIMUM PEAK STAGE							c2.52	Jun 6		d5.00		Jun 9, 1920
ANNUAL RUNOFF (AC-FT)	139,400						150,100			240,600		
10 PERCENT EXCEEDS	376						391			724		
50 PERCENT EXCEEDS	109						137			194		
90 PERCENT EXCEEDS	84						87			85		

e Estimated.

a Minimum discharge observed for period of record, before storage began in Taylor Park Reservoir, 50 ft³/s for several days in Aug 1913, gage height, 1.2 ft.

b From rating curve extended above 2,300 ft³/s.

c Maximum gage height, 3.12 ft, Feb 16, backwater from ice.

d Maximum gage height, 5.32 ft, Jul 1, 1957.

0911500 SLATE RIVER NEAR CRESTED BUTTE, CO

LOCATION.--Lat 38°52'11", long 106°58'08", in NW¹/₄NE¹/₄ sec.2, T.14 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, on right bank 400 ft downstream from Washington Gulch, 1 mi east of Crested Butte, and 6.3 mi upstream from mouth.

DRAINAGE AREA.--68.9 mi².

PERIOD OF RECORD.--April 1940 to September 1951, October 1993 to current year. Monthly discharges only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=0911500

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 8,820 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1993, gage at site 0.3 mi downstream at different datum.

REMARKS.--Records good except Mar. 21 to June 12, which are fair, and June 13 to July 15 and estimated daily discharges, which are poor. Diversions for irrigation of about 1,300 acres upstream and downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	13	e13	e14	e8.7	e9.6	111	181	243	250	21	8.9
2	18	14	e14	e13	e8.6	e10	130	190	251	232	19	8.7
3	19	16	e12	e12	e9.7	e11	131	256	308	206	19	8.5
4	20	15	e12	e10	e9.3	e12	122	340	421	186	18	12
5	19	15	e12	e7.5	e9.1	e12	157	413	502	173	17	15
6	18	14	15	e8.8	e7.9	e10	158	498	546	163	16	12
7	17	14	15	e15	e7.5	e11	150	564	561	155	15	11
8	17	14	e13	e14	e12	e13	172	594	552	137	14	11
9	17	14	e12	e12	e9.8	e13	175	591	518	121	13	10
10	16	16	e9.5	e12	e7.6	e17	135	576	451	108	12	10
11	16	15	e12	e10	e10	e23	111	587	365	98	11	11
12	16	15	e9.0	e9.9	e8.4	e24	93	503	304	86	11	11
13	15	15	e12	e8.7	e7.7	e29	84	390	296	79	11	12
14	15	16	e17	e11	e9.8	e34	95	304	295	73	11	12
15	14	16	e9.9	e13	e12	e30	108	264	288	69	11	11
16	13	15	e8.4	e15	e12	32	132	281	243	63	11	11
17	14	16	e8.8	e13	e11	e29	167	319	282	70	11	11
18	14	e17	e11	e10	e12	e31	178	367	293	64	11	11
19	15	e17	e12	e10	e14	e38	139	497	283	60	11	15
20	15	e18	e12	e14	e14	e51	118	597	283	50	11	46
21	15	15	e15	e10	e12	e62	106	584	268	44	12	47
22	15	e16	e16	e7.7	e11	91	98	535	211	38	14	34
23	15	e13	e9.5	e9.3	e10	99	85	447	198	37	13	28
24	15	e13	e11	e11	e9.5	102	77	429	195	37	12	29
25	14	e16	e13	e12	e11	129	79	414	192	32	12	29
26	14	e15	e14	e9.7	e10	168	88	409	247	30	10	27
27	14	e14	e12	e8.8	e12	161	127	432	244	29	10	26
28	14	e12	e9.2	e12	e12	122	167	461	227	27	10	24
29	14	e15	e8.4	e10	e9.1	95	185	469	220	26	9.8	24
30	14	e17	e12	e9.3	---	81	211	361	294	24	9.4	27
31	13	---	e14	e8.9	---	86	---	277	---	22	9.1	---
TOTAL	480	451	373.7	341.6	297.7	1,635.6	3,889	13,130	9,581	2,789	395.3	553.1
MEAN	15.5	15.0	12.1	11.0	10.3	52.8	130	424	319	90.0	12.8	18.4
MAX	20	18	17	15	14	168	211	597	561	250	21	47
MIN	13	12	8.4	7.5	7.5	9.6	77	181	192	22	9.1	8.5
AC-FT	952	895	741	678	590	3,240	7,710	26,040	19,000	5,530	784	1,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	30.2	23.0	16.3	13.6	12.4	21.5	124	520	555	189	49.4	26.5
MAX	68.4	38.4	25.1	23.5	21.6	52.8	303	778	971	804	237	62.7
(WY)	(1998)	(1998)	(1994)	(1996)	(2002)	(2004)	(1943)	(1941)	(1995)	(1995)	(1995)	(1995)
MIN	10.2	8.63	8.03	8.35	6.20	8.52	36.4	248	134	17.9	7.74	13.8
(WY)	(1943)	(1943)	(1943)	(1947)	(1945)	(1950)	(1944)	(2002)	(2002)	(2002)	(2002)	(1942)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	39,105.7		33,917.0			
ANNUAL MEAN	107		92.7		134	
HIGHEST ANNUAL MEAN					214	
LOWEST ANNUAL MEAN					61.6	
HIGHEST DAILY MEAN	1,260	May 30	597	May 20	1,390	Jun 17, 1995
LOWEST DAILY MEAN	e8.4	Dec 16	e7.5	Jan 5	3.9	Nov 26, 1942
ANNUAL SEVEN-DAY MINIMUM	11	Dec 12	8.7	Feb 1	4.6	Aug 31, 2002
MAXIMUM PEAK FLOW			667	Jun 8	1,550	Jun 17, 1995
MAXIMUM PEAK STAGE			5.00	Jun 8	5.84	Jun 17, 1995
ANNUAL RUNOFF (AC-FT)	77,570		67,270		96,990	
10 PERCENT EXCEEDS	325		295		485	
50 PERCENT EXCEEDS	19		16		26	
90 PERCENT EXCEEDS	13		9.8		11	

e Estimated.

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO

LOCATION.--Lat 38°47'03", long 106°52'13", in NE¹/₄NE¹/₄ sec.3, T.15 S., R.85 W., Gunnison County, Hydrologic Unit 14020001, on left bank 11 ft downstream from bridge on State Highway 135, 1.6 mi downstream from Cement Creek, and 8.5 mi southeast of Crested Butte.

DRAINAGE AREA.--238 mi².

PERIOD OF RECORD.--October 1963 to September 1972, October 1979 to September 1981, October 1993 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09112200

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 8,440 ft above NGVD of 1929, from topographic map. Prior to Oct. 1993, water-stage recorder 0.5 mi upstream, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 4,500 acres upstream and downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	59	e65	e64	e56	e54	244	319	614	431	134	72
2	78	62	e62	e62	e55	e54	282	297	621	388	131	71
3	89	78	e58	e60	e56	e55	293	383	742	353	128	67
4	89	70	e56	e60	e56	e55	279	523	933	328	125	79
5	90	65	e56	e59	e56	e55	342	678	1,090	305	119	93
6	87	60	e58	e62	e54	e55	347	805	1,190	294	118	87
7	84	67	e58	e67	e52	e54	344	947	1,230	297	114	80
8	81	65	e62	e65	e57	e55	381	1,030	1,200	270	110	75
9	77	63	e59	e65	e56	e55	402	1,070	1,130	252	105	72
10	77	76	e58	e64	e53	e55	354	1,040	999	239	96	72
11	81	73	e59	e63	e55	e58	303	1,060	828	231	94	75
12	77	61	e59	e63	e54	e70	291	951	690	238	86	72
13	74	79	e62	e64	e53	e80	273	767	645	234	82	72
14	71	81	e64	e73	e53	e84	291	621	722	228	82	71
15	78	77	e61	e68	e54	e90	304	543	786	228	81	69
16	85	65	e59	e66	e55	e84	332	568	731	219	82	69
17	80	78	e57	e62	e55	85	384	619	679	258	84	68
18	75	58	e58	e59	e55	93	395	652	643	263	85	66
19	73	e66	e58	e60	e56	105	336	886	594	247	87	72
20	70	e67	e57	e60	e55	127	312	1,110	604	221	85	101
21	69	e77	e58	e59	e55	162	306	1,110	602	204	87	124
22	72	e78	e60	e56	e55	197	295	1,080	522	190	94	109
23	75	e60	e61	e55	e55	226	283	914	452	182	94	99
24	73	e69	e61	e57	e54	233	259	853	436	185	89	98
25	69	e74	e60	e58	e54	259	263	866	427	172	83	96
26	62	e75	e61	e55	e54	297	263	846	447	164	80	91
27	70	e65	e60	e56	e55	287	311	889	412	168	78	88
28	68	e70	e58	e58	e56	235	377	958	385	165	78	84
29	66	e78	e59	e58	e55	203	394	1,040	390	155	81	80
30	64	e73	e63	e57	---	198	421	851	555	149	77	91
31	61	---	e62	e57	---	209	---	689	---	142	75	---
TOTAL	2,335	2,089	1,849	1,892	1,589	3,929	9,661	24,965	21,299	7,400	2,944	2,463
MEAN	75.3	69.6	59.6	61.0	54.8	127	322	805	710	239	95.0	82.1
MAX	90	81	65	73	57	297	421	1,110	1,230	431	134	124
MIN	61	58	56	55	52	54	244	297	385	142	75	66
AC-FT	4,630	4,140	3,670	3,750	3,150	7,790	19,160	49,520	42,250	14,680	5,840	4,890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	112	87.1	68.0	60.6	56.9	71.1	245	995	1,237	511	197	132
MAX	188	125	96.2	83.2	76.0	127	404	1,606	2,450	1,796	609	271
(WY)	(1966)	(1998)	(1966)	(1971)	(1971)	(2004)	(1971)	(1996)	(1995)	(1995)	(1995)	(1965)
MIN	58.5	62.4	48.6	43.8	42.7	43.5	77.0	406	309	102	63.5	64.3
(WY)	(1964)	(1964)	(2003)	(1995)	(1964)	(1964)	(1964)	(1981)	(2002)	(2002)	(2002)	(1994)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1964 - 2004
ANNUAL TOTAL	97,631	82,415	
ANNUAL MEAN	267	225	315
HIGHEST ANNUAL MEAN			531
LOWEST ANNUAL MEAN			140
HIGHEST DAILY MEAN	2,490	May 30	3,610
LOWEST DAILY MEAN	e32	Feb 7	32
ANNUAL SEVEN-DAY MINIMUM	38	Feb 3	38
MAXIMUM PEAK FLOW		1,340	4,350
MAXIMUM PEAK STAGE		3.52	a5.06
ANNUAL RUNOFF (AC-FT)	193,700	163,500	228,200
10 PERCENT EXCEEDS	713	660	964
50 PERCENT EXCEEDS	81	81	102
90 PERCENT EXCEEDS	44	56	54

e Estimated.

a Maximum gage height for period of record, 8.30 ft, Jun 12, 1980, from floodmarks, site and datum then in use.

09113980 OHIO CREEK ABOVE MOUTH, NEAR GUNNISON, CO

LOCATION.--Lat 38°35'16", long 106°55'51", in SW¹/₄SW¹/₄ sec.13, T.50 N., R.1 W., Gunnison County, Hydrologic Unit 14020002, on left bank at County Road 48 bridge, 1.1 mi upstream from confluence with the Gunnison River, and 3.1 mi north of Gunnison.

DRAINAGE AREA.--161 mi².

PERIOD OF RECORD.--December 1998 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09113980

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,770 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for the period May 5 to July 20 which is fair, and estimated daily discharges, which are poor. Diversions for irrigation of about 10,000 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e16	7.0	e12	e19	e12	e9.3	82	51	100	139	45	18
2	e23	7.0	e12	e17	e12	e8.4	91	50	113	101	44	16
3	e21	9.1	e17	e14	e9.6	e10	91	61	136	75	42	15
4	e20	7.6	e19	e11	e9.6	e11	86	83	135	72	38	21
5	e19	6.8	e17	e9.0	e7.6	e10	115	96	137	70	38	31
6	e18	6.1	e12	e10	e7.6	e11	118	117	161	70	40	24
7	e17	8.1	e12	e17	e10	e11	103	126	173	75	37	21
8	e17	7.1	e12	e17	e14	e15	124	120	186	79	35	19
9	e18	6.7	e14	e14	e9.3	e17	132	132	174	71	32	19
10	e15	8.5	e13	e15	e6.6	e20	119	131	150	68	29	20
11	e18	8.2	e16	e15	e9.3	e22	98	133	125	70	28	22
12	e15	7.8	e13	e13	e8.4	e26	89	129	110	63	26	22
13	e15	9.7	e11	e12	e10	29	77	106	100	58	26	23
14	e13	9.4	e11	e16	e7.5	38	81	81	96	64	21	21
15	11	8.9	e13	e18	e10	45	86	69	101	80	17	20
16	10	7.3	e8.5	e20	e10	37	93	66	111	126	18	19
17	9.5	9.7	e10	e18	e9.3	42	103	66	112	204	19	19
18	9.0	8.4	e14	e14	e11	48	111	87	118	203	22	20
19	8.9	e8.9	e16	e15	e12	54	83	107	102	147	25	24
20	8.1	e9.3	e16	e20	e11	65	67	146	88	125	27	35
21	6.7	e9.6	e17	e17	e14	78	67	164	87	105	27	38
22	7.0	e9.2	e9.3	e9.3	e12	84	63	169	86	91	37	35
23	7.0	e8.6	e9.0	e9.6	e11	86	61	148	77	85	38	27
24	6.9	e8.2	e9.9	e14	e15	87	47	129	78	90	29	26
25	6.7	e11	e15	e16	e15	100	41	125	81	71	24	24
26	5.7	e11	e19	e13	e12	113	39	122	89	63	22	23
27	7.0	e10	e18	e14	e18	102	36	127	93	76	21	25
28	7.8	e9.3	e14	e16	e12	80	54	142	96	70	22	28
29	7.1	e11	e10	e14	e12	64	63	172	91	60	20	32
30	7.0	e17	e18	e14	---	64	69	177	188	57	19	35
31	6.7	---	e19	e14	---	68	---	120	---	50	19	---
TOTAL	377.1	266.5	426.7	454.9	317.8	1,454.7	2,489	3,552	3,494	2,778	887	722
MEAN	12.2	8.88	13.8	14.7	11.0	46.9	83.0	115	116	89.6	28.6	24.1
MAX	23	17	19	20	18	113	132	177	188	204	45	38
MIN	5.7	6.1	8.5	9.0	6.6	8.4	36	50	77	50	17	15
AC-FT	748	529	846	902	630	2,890	4,940	7,050	6,930	5,510	1,760	1,430

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004	2000	2001	2002	2003	2004	
MEAN	16.7	13.1	15.7	14.3	14.8	31.7	72.9	148	124	77.8	45.3	28.9
MAX	25.9	16.3	21.2	18.5	18.8	46.9	153	229	236	152	103	49.2
(WY)	(2000)	(2000)	(2000)	(1999)	(2000)	(2004)	(2000)	(2000)	(1999)	(1999)	(1999)	(1999)
MIN	12.2	8.88	12.1	10.6	11.0	21.3	38.8	6.75	26.0	17.5	7.23	10.2
(WY)	(2004)	(2004)	(2003)	(2002)	(2004)	(2002)	(1999)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1999 - 2004
ANNUAL TOTAL	18,768.9	17,219.7	
ANNUAL MEAN	51.4	47.0	45.9
HIGHEST ANNUAL MEAN			60.2
LOWEST ANNUAL MEAN			17.4
HIGHEST DAILY MEAN	531	204	531
LOWEST DAILY MEAN	5.7	5.7	1.5
ANNUAL SEVEN-DAY MINIMUM	6.7	6.7	1.9
MAXIMUM PEAK FLOW		293	607
MAXIMUM PEAK STAGE		a3.99	4.68
ANNUAL RUNOFF (AC-FT)	37,230	34,160	33,280
10 PERCENT EXCEEDS	130	119	118
50 PERCENT EXCEEDS	21	22	20
90 PERCENT EXCEEDS	9.0	8.9	10

e Estimated.

a Maximum gage height, 4.53 ft, Feb 23, backwater from ice.

09114500 GUNNISON RIVER NEAR GUNNISON, CO

LOCATION.--Lat 38°32'31", long 106°56'57", in NW¹/₄NW¹/₄ sec.2, T.49 N., R.1 W., Gunnison County, Hydrologic Unit 14020002, on right bank 0.7 mi downstream from Antelope Creek and 1.2 mi west of Gunnison.

DRAINAGE AREA.--1,012 mi².

PERIOD OF RECORD.--October 1910 to December 1928, October 1944 to current year. Monthly discharges only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09114500

REVISED RECORDS.--WSP 1313: 1911, 1916.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 7,655 ft above NGVD of 1929, from topographic map. Nov. 25, 1910 to Dec. 31, 1928, nonrecording gages (supplementary water-stage recorder Apr. 28, 1916 to June 17, 1918) at bridge about 0.6 mi downstream at various datums. April 11, 1945 to July 28, 1970, water-stage recorder at sites 0.4 mi upstream at different datum.

REMARKS.--Records good except for the periods Mar. 18-25 and Mar. 31 to June 30 which are fair, and July 1-21 and estimated daily discharges, which are poor. Flow regulated by Taylor Park Reservoir (station 09108500), 37 mi upstream from station. Diversions for irrigation of about 22,000 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	159	e201	e186	e177	e174	427	424	1,010	837	543	347
2	209	164	e208	e185	e178	e174	488	388	1,020	697	536	329
3	236	184	e203	e182	e178	e177	500	447	1,090	627	534	323
4	232	177	e200	e175	e178	e178	469	597	1,230	610	516	336
5	238	166	194	e168	e174	e176	544	796	1,460	592	503	345
6	268	153	191	e181	e169	e176	588	928	1,630	579	494	333
7	231	166	189	e194	e171	e178	566	1,020	1,700	578	478	324
8	221	170	193	e189	e177	e182	627	1,190	1,680	575	462	319
9	218	168	185	e184	e172	e189	655	1,300	1,600	551	453	321
10	214	186	166	e183	e167	e196	601	1,340	1,420	538	474	327
11	218	183	e170	e179	e173	e198	504	1,370	1,190	539	467	330
12	213	172	166	e180	e169	e206	507	1,280	1,030	529	463	331
13	208	187	163	e179	e166	e211	466	1,070	943	528	451	334
14	206	193	e189	e183	e170	e227	464	865	977	535	451	329
15	206	188	e181	e186	e176	e240	478	753	1,050	588	444	330
16	216	179	e174	e189	e176	e250	505	734	1,060	645	430	329
17	210	192	e181	e182	e176	e261	544	788	1,020	790	427	315
18	204	193	e186	e178	e179	261	562	866	1,030	956	421	313
19	204	194	e186	e183	e178	258	473	1,090	975	815	450	338
20	195	200	e188	e187	e177	274	428	1,460	943	779	453	387
21	178	203	e191	e175	e177	307	390	1,580	946	670	454	402
22	180	209	e182	e173	e177	363	370	1,570	884	636	479	398
23	181	184	e168	e176	e176	420	363	1,360	695	627	477	387
24	178	e194	e173	e180	e176	427	360	1,270	649	676	453	381
25	176	e205	e181	e178	e177	440	360	1,270	624	660	446	374
26	171	e200	e184	e175	e176	e473	342	1,240	674	624	429	368
27	175	e188	e177	e179	e179	e461	349	1,270	674	644	399	361
28	177	e183	e170	e181	e177	e395	414	1,350	665	635	375	366
29	163	e198	e173	e179	e175	e357	428	1,500	657	604	378	370
30	169	e199	e180	e180	---	e353	476	1,350	1,010	583	376	385
31	164	---	e181	e178	---	369	---	1,140	---	561	372	---
TOTAL	6,249	5,537	5,674	5,607	5,071	8,551	14,248	33,606	31,536	19,808	14,088	10,432
MEAN	202	185	183	181	175	276	475	1,084	1,051	639	454	348
MAX	268	209	208	194	179	473	655	1,580	1,700	956	543	402
MIN	163	153	163	168	166	174	342	388	624	528	372	313
AC-FT	12,390	10,980	11,250	11,120	10,060	16,960	28,260	66,660	62,550	39,290	27,940	20,690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	397	297	236	210	203	251	602	1,803	2,439	1,252	727	535
MAX	805	614	616	395	365	582	1,381	3,605	6,074	4,621	1,510	908
(WY)	(1969)	(1968)	(1966)	(1966)	(1971)	(1986)	(1962)	(1914)	(1918)	(1957)	(1957)	(1985)
MIN	186	162	128	119	111	117	214	283	425	288	261	170
(WY)	(1978)	(1964)	(1963)	(1945)	(1955)	(1964)	(1964)	(1977)	(1977)	(1977)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1911 - 2004

ANNUAL TOTAL	169,852	160,407		
ANNUAL MEAN	465	438		
HIGHEST ANNUAL MEAN			748	
LOWEST ANNUAL MEAN			1,278	1995
HIGHEST DAILY MEAN	3,260	Jun 1	1,700	Jun 7
LOWEST DAILY MEAN	144	Feb 24	153	Nov 6
ANNUAL SEVEN-DAY MINIMUM	156	Feb 23	167	Oct 31
MAXIMUM PEAK FLOW			1,870	Jun 7
MAXIMUM PEAK STAGE			2.74	Jun 7
ANNUAL RUNOFF (AC-FT)	336,900	318,200	541,700	
10 PERCENT EXCEEDS	1,200	1,010	1,840	
50 PERCENT EXCEEDS	211	330	385	
90 PERCENT EXCEEDS	170	175	180	

e Estimated.

a Site and datum then in use, from rating curve extended above 5,000 ft³/s, gage height, 4.05 ft.

b Site and datum then in use.

09115500 TOMICHI CREEK AT SARGENTS, CO

LOCATION.--Lat 38°24'42", long 106°25'20", in SW¹/₄SW¹/₄ sec.21, T.48 N., R.5 E., Saguache County, Hydrologic Unit 14020003, on right bank 300 ft from U.S. Highway 50, 0.5 mi downstream from Marshall Creek, and 0.8 mi south of Sargents.

DRAINAGE AREA.-- 149 mi².

PERIOD OF RECORD.--October 1916 to September 1922, October 1937 to September 1972, October 1992 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09115500

REVISED RECORDS.--WSP 1313: 1922(M). WRD Colo. 1967: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 8,416 ft above NGVD of 1929, from topographic map. May 12 to Oct. 5, 1917, nonrecording gage. Oct. 6, 1917 to Sept. 30, 1922, water-stage recorder, at railroad bridge 1,000 ft upstream at different datum. Apr. 18, 1938 to Sept. 9, 1953, water-stage recorder at present site at datum 1.0 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,900 acres upstream from station. Larkspur Ditch diverts water upstream from station to Arkansas River Basin.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	20	e27	e24	e18	e18	46	79	108	51	28	18
2	26	21	e26	e22	e19	e19	48	76	103	40	30	18
3	30	23	e26	e18	e19	e19	50	76	105	35	33	18
4	28	22	e26	e14	e19	e19	46	87	108	33	30	23
5	26	21	e27	e17	e17	e19	48	103	100	31	30	26
6	25	23	e26	e24	e16	e19	58	124	98	28	33	22
7	24	e23	e28	e26	e18	e18	57	140	97	26	31	21
8	23	21	e26	e22	e18	e17	62	158	89	27	33	20
9	22	21	e22	e20	e16	e17	63	170	84	24	28	20
10	22	22	e20	e20	e18	e16	61	181	80	23	25	22
11	23	22	e24	e20	e16	e22	e58	182	74	22	23	23
12	23	22	e21	e19	e16	e22	e58	193	70	22	22	23
13	23	22	e21	e19	e18	e29	e56	156	67	29	22	23
14	22	22	e27	e20	e19	e27	e57	141	61	28	22	21
15	22	21	e21	e27	e18	e25	e59	133	58	30	23	20
16	22	21	e19	e30	e18	e26	e61	126	59	29	27	19
17	22	23	e21	e25	e19	e25	e63	136	58	31	26	19
18	22	e24	e22	e21	e19	e27	e62	135	58	35	26	19
19	21	e26	e23	e24	e19	e31	e61	142	54	34	27	23
20	21	e26	e24	e22	e18	e35	e57	152	60	45	21	27
21	21	e28	e26	e19	e17	e40	58	156	58	36	21	24
22	21	e27	e24	e18	e17	e43	57	157	61	35	23	23
23	20	e24	e22	e23	e17	e43	57	133	53	39	25	22
24	20	e29	e24	e24	e16	e44	59	131	51	51	23	22
25	20	e29	e24	e20	e17	e47	59	133	51	37	22	22
26	20	e26	e23	e19	e18	e48	54	125	51	34	20	21
27	22	e23	e19	e19	e18	e49	59	124	60	36	16	20
28	21	e29	e17	e19	e19	e49	64	125	50	33	17	20
29	21	e29	e18	e19	e19	e48	66	135	44	33	19	21
30	21	e28	e24	e18	---	e46	73	130	66	31	20	23
31	20	---	e25	e18	---	43	---	116	---	29	19	---
TOTAL	697	718	723	650	516	950	1,737	4,155	2,136	1,017	765	643
MEAN	22.5	23.9	23.3	21.0	17.8	30.6	57.9	134	71.2	32.8	24.7	21.4
MAX	30	29	28	30	19	49	73	193	108	51	33	27
MIN	20	20	17	14	16	16	46	76	44	22	16	18
AC-FT	1,380	1,420	1,430	1,290	1,020	1,880	3,450	8,240	4,240	2,020	1,520	1,280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2004, BY WATER YEAR (WY)

	31.0	27.8	23.2	21.4	21.9	28.3	66.2	195	191	62.9	38.6	29.1
MEAN	31.0	27.8	23.2	21.4	21.9	28.3	66.2	195	191	62.9	38.6	29.1
MAX	48.9	38.1	39.0	43.2	49.6	50.3	139	382	588	255	128	59.5
(WY)	(1971)	(1997)	(1996)	(1996)	(1996)	(1972)	(1962)	(1958)	(1957)	(1957)	(1957)	(1957)
MIN	13.8	16.4	12.3	10.7	10.9	15.0	27.9	24.7	14.7	11.8	9.10	11.9
(WY)	(2003)	(2003)	(2002)	(1967)	(1967)	(1970)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1917 - 2004	
ANNUAL TOTAL	15,845		14,707			
ANNUAL MEAN	43.4		40.2		61.5	
HIGHEST ANNUAL MEAN					122	
LOWEST ANNUAL MEAN					18.4	
HIGHEST DAILY MEAN	298	May 29	193	May 12	838	Jun 18, 1995
LOWEST DAILY MEAN	e10	Feb 6	e14	Jan 4	4.8	Aug 18, 2002
ANNUAL SEVEN-DAY MINIMUM	12	Feb 5	17	Feb 6	5.9	Aug 13, 2002
MAXIMUM PEAK FLOW					964	
MAXIMUM PEAK STAGE					Jun 18, 1995	
ANNUAL RUNOFF (AC-FT)	31,430		29,170		44,570	
10 PERCENT EXCEEDS	87		85		150	
50 PERCENT EXCEEDS	27		25		30	
90 PERCENT EXCEEDS	15		18		18	

e Estimated.

a Maximum gage height, 2.02 ft, Jan 6, backwater from ice.

b Maximum gage height for period of record, 4.05 ft, Jun 16, 1917, and Jun 9, 1921, site and datum then in use.

09118450 COCHETOPA CREEK BELOW ROCK CREEK, NEAR PARLIN, CO

LOCATION.--Lat 38°20'08", long 106°46'18", in SW¹/₄NE¹/₄ sec.17, T.47 N., R.2 E. Saguache County, Hydrologic Unit 14020003, on left bank 0.75 mi downstream from Rock Creek and 12 mi south of Parlin.

DRAINAGE AREA.--334 mi².

PERIOD OF RECORD.--October 1981 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09118450

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 8,470 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of hay meadows upstream from station. Transmountain diversion by Tarbell Ditch exports water upstream from station to Saguache Creek, since 1913.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	e15	e16	e9.5	e15	e17	24	26	39	37	24	21
2	16	e15	e15	e11	e14	e17	23	24	38	28	23	21
3	18	e16	e13	e11	e14	e18	22	25	39	24	22	21
4	19	e15	e14	e10	e15	e18	20	29	41	24	21	24
5	19	e15	e15	e10	e15	e18	23	37	45	22	23	31
6	17	e15	e15	e11	e14	e17	23	41	43	20	27	28
7	17	e16	e16	e11	e15	e18	20	48	35	18	24	26
8	17	e15	e15	e10	e14	e18	23	54	28	17	24	25
9	16	e16	e13	e12	e14	e18	22	57	40	17	22	24
10	16	e16	e13	e13	e15	e18	20	57	39	16	21	25
11	16	e17	e12	e14	e16	e20	20	58	37	15	20	26
12	15	e16	e13	e14	e14	e22	21	61	36	14	19	25
13	15	e16	e13	e14	e14	e26	18	61	34	13	18	24
14	14	e15	e13	e14	e14	e30	17	51	31	11	18	22
15	15	e15	e13	e13	e15	e32	17	46	32	18	20	19
16	15	e16	e15	e12	e13	e40	16	44	34	26	28	17
17	15	e15	e18	e11	e13	e42	16	45	29	28	26	17
18	15	e15	e17	e11	e15	e44	16	48	30	40	27	17
19	15	e16	e16	e11	e15	e50	17	48	29	53	31	19
20	15	e15	e14	e12	e17	e47	16	27	28	46	35	28
21	15	e16	e14	e12	e17	e50	16	29	26	42	30	33
22	15	e12	e13	e13	e17	e50	18	33	25	38	31	29
23	15	e14	e16	e13	e16	49	21	35	25	41	32	27
24	15	e15	e18	e13	e16	46	22	34	22	46	27	26
25	15	e13	e13	e13	e16	43	27	35	21	36	25	21
26	15	e14	e13	e14	e17	43	26	33	21	32	23	20
27	15	e12	e10	e15	e17	42	22	32	26	33	22	19
28	e14	e13	e11	e15	e17	29	21	37	28	34	23	19
29	e14	e14	e12	e15	e17	27	21	45	28	32	23	21
30	e14	e17	e10	e15	---	27	24	51	65	28	22	22
31	e14	---	e9.8	e15	---	28	---	44	---	25	22	---
TOTAL	480	450	428.8	387.5	441	964	612	1,295	994	874	753	697
MEAN	15.5	15.0	13.8	12.5	15.2	31.1	20.4	41.8	33.1	28.2	24.3	23.2
MAX	19	17	18	15	17	50	27	61	65	53	35	33
MIN	14	12	9.8	9.5	13	17	16	24	21	11	18	17
AC-FT	952	893	851	769	875	1,910	1,210	2,570	1,970	1,730	1,490	1,380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

	34.6	29.2	21.9	18.9	19.4	31.4	51.0	80.9	80.3	48.2	60.5	44.3
MEAN	34.6	29.2	21.9	18.9	19.4	31.4	51.0	80.9	80.3	48.2	60.5	44.3
MAX	72.6	49.9	39.5	36.6	33.4	52.3	135	413	240	130	153	90.8
(WY)	(1983)	(1983)	(1985)	(1984)	(1986)	(1985)	(1987)	(1984)	(1984)	(1995)	(1999)	(1982)
MIN	15.5	15.0	10.3	7.87	9.37	12.5	20.4	13.2	8.66	7.63	10.9	14.7
(WY)	(2004)	(1993)	(1982)	(2003)	(2003)	(1982)	(2004)	(2002)	(2002)	(2002)	(2002)	(1996)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	6,259.4		8,376.3			
ANNUAL MEAN	17.1		22.9		43.5	
HIGHEST ANNUAL MEAN					106	
LOWEST ANNUAL MEAN					17.3	
HIGHEST DAILY MEAN	59	Sep 10	65	Jun 30	954	May 23, 1984
LOWEST DAILY MEAN	e6.0	Jan 12	e9.5	Jan 1	4.0	Jul 31, 2002
ANNUAL SEVEN-DAY MINIMUM	6.6	Jan 15	10	Dec 30	5.4	Jul 27, 2002
MAXIMUM PEAK FLOW			89	Jun 30	1,120	May 23, 1984
MAXIMUM PEAK STAGE			a2.46	Jun 30	b4.49	May 23, 1984
ANNUAL RUNOFF (AC-FT)	12,420		16,610		31,490	
10 PERCENT EXCEEDS	29		41		87	
50 PERCENT EXCEEDS	15		18		30	
90 PERCENT EXCEEDS	8.0		13		14	

e Estimated.

a Maximum gage height, 3.17 ft, Mar 16, backwater from ice.

b Maximum gage height, 5.64 ft, Mar 25, 1998, backwater from ice.

09119000 TOMICHI CREEK AT GUNNISON, CO

LOCATION.--Lat 38°31'18", long 106°56'25", in NE¼SW¼ sec.11, T.49 N., R.1 W., Gunnison County, Hydrologic Unit 14020003, on right bank 300 ft downstream from highway bridge, 1.8 mi southwest of Post Office in Gunnison, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--1,061 mi².

PERIOD OF RECORD.--November and December 1910 (gage heights and discharge measurements only), October 1937 to current year. Monthly discharges only for some periods, published in WSP 1313. Published as "near Gunnison" 1910. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09119000

REVISED RECORDS.--WSP 2124: Drainage area. WDR CO-86-2: 1985.

GAGE.--Water-stage recorder with satellite telemetry, and crest-stage gage. Datum of gage is 7,628.58 ft above NGVD of 1929. Nov. 25 to Dec. 24, 1910, nonrecording gage 300 ft upstream at different datum. Apr. 20, 1938 to Oct. 2, 1940, water-stage recorder at present site at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 24,000 acres upstream from station. Water diverted upstream from station by Larkspur Ditch to Arkansas River Basin since 1935 and by Tarbell Ditch to Rio Grande Basin since 1914.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	63	e72	e66	e67	e65	135	113	224	241	111	55
2	50	66	e70	e67	e67	e64	132	122	205	152	102	55
3	58	71	e65	e68	e68	e61	132	112	180	114	101	52
4	66	71	e66	e68	e62	e64	127	95	176	103	99	50
5	66	69	e65	e66	e65	e60	143	99	176	97	109	52
6	65	69	e67	e69	e62	e58	138	114	176	95	116	59
7	69	79	e67	e63	e64	e58	125	154	173	93	124	58
8	67	94	e69	e64	e61	e69	123	208	168	83	111	53
9	66	98	e67	e64	e64	e74	133	264	163	75	106	58
10	63	101	e66	e68	e65	e78	155	290	155	55	97	57
11	67	110	e74	e67	e64	e87	152	314	156	45	87	57
12	65	101	e71	e68	e66	e90	152	342	158	45	82	55
13	62	101	e73	e69	e66	e110	149	364	141	51	74	53
14	56	109	e70	e70	e66	e111	135	338	122	53	77	44
15	52	100	e73	e68	e66	118	124	260	99	45	81	36
16	58	89	e71	e65	e65	139	115	194	101	40	83	45
17	60	88	e77	e65	e65	154	109	167	98	49	92	34
18	55	77	e75	e66	e66	198	104	145	98	93	95	35
19	56	70	e75	e65	e69	241	108	169	67	115	96	34
20	60	e71	e75	e64	e66	318	107	187	61	106	103	41
21	57	e71	e73	e67	e68	329	114	189	60	99	105	37
22	57	e71	e61	e65	e69	297	113	206	68	93	93	45
23	58	e67	e66	e67	e70	289	120	208	67	107	91	41
24	58	e72	e71	e69	e70	263	126	224	61	135	87	38
25	57	e70	e68	e65	e72	237	126	234	59	135	80	36
26	57	e70	e68	e63	e74	218	121	217	64	118	75	34
27	59	e67	e67	e65	e72	206	118	220	74	114	66	33
28	66	e67	e64	e67	e72	184	103	215	82	130	47	30
29	69	e65	e68	e64	e66	148	104	220	93	173	57	38
30	65	e68	e66	e64	---	137	103	247	185	149	68	44
31	63	---	e65	e63	---	133	---	252	---	133	58	---
TOTAL	1,867	2,385	2,145	2,049	1,937	4,658	3,746	6,483	3,710	3,136	2,773	1,359
MEAN	60.2	79.5	69.2	66.1	66.8	150	125	209	124	101	89.5	45.3
MAX	69	110	77	70	74	329	155	364	224	241	124	59
MIN	40	63	61	63	61	58	103	95	59	40	47	30
AC-FT	3,700	4,730	4,250	4,060	3,840	9,240	7,430	12,860	7,360	6,220	5,500	2,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)																																								
	93.6	209	(1970)	33.5	(1964)	101	158	(1971)	62.4	(1951)	76.7	117	(1987)	45.8	(1964)	67.2	116	(1971)	37.1	(1979)	69.6	98.0	(1986)	36.2	(1979)	112	279	(1939)	59.8	(1981)	234	564	(1942)	56.5	(1967)	390	2,073	(1984)	10.1	(2002)	456	1,481	(1984)	24.7	(2002)	189	859	(1957)	26.8	(2002)	158	440	(1957)	25.6	(2002)	92.5	318	(1970)	19.2	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	31,329.1		36,248			
ANNUAL MEAN	85.8		99.0		170	
HIGHEST ANNUAL MEAN					478	
LOWEST ANNUAL MEAN					54.2	
HIGHEST DAILY MEAN	565	May 30	364	May 13	4,040	May 26, 1984
LOWEST DAILY MEAN	7.4	Apr 23	30	Sep 28	2.6	Sep 30, 1977
ANNUAL SEVEN-DAY MINIMUM	e9.7	May 6	36	Sep 23	e4.5	May 5, 2002
MAXIMUM PEAK FLOW			381	May 13	4,620	May 23, 1984
MAXIMUM PEAK STAGE			a2.52	May 13	5.49	May 23, 1984
ANNUAL RUNOFF (AC-FT)	62,140		71,900		123,300	
10 PERCENT EXCEEDS	154		181		370	
50 PERCENT EXCEEDS	67		71		97	
90 PERCENT EXCEEDS	44		55		52	

e Estimated.

a Maximum gage height, 3.54 ft, Feb 26, backwater from ice.

09124500 LAKE FORK AT GATEVIEW, CO

LOCATION.--Lat 38°17'56", long 107°13'46", in SE¹/₄NE¹/₄ sec.29, T.47 N., R.3 W., Gunnison County, Hydrologic Unit 14020002, on left bank at old village of Gateview, 25 ft downstream from private bridge, 0.2 mi upstream from Indian Creek, and 6.3 mi upstream from waterline of Blue Mesa Reservoir, at elevation 7,519 ft.

DRAINAGE AREA.--334 mi².

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09124500

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 7,827.66 ft above NGVD of 1929. Prior to Oct. 1, 1938, at datum 2.00 ft higher, Oct. 1, 1938 to Sept. 30, 1945, at datum 1.00 ft higher, and Oct. 1, 1945 to Sept. 3, 1991, at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,600 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	50	e60	e51	e43	e44	201	141	567	377	159	52
2	128	55	e58	e49	e41	e43	162	138	635	368	155	50
3	140	61	e54	e53	e40	e48	147	150	828	343	149	48
4	134	53	e57	e55	e43	e44	138	194	951	320	141	73
5	130	45	e57	e51	e41	e43	140	280	973	301	134	99
6	125	52	e57	e55	e47	e46	170	386	1,080	295	136	86
7	119	60	e57	e51	e46	e46	154	489	1,180	290	129	80
8	114	62	e59	e47	e46	e56	147	564	1,200	279	122	76
9	111	60	e58	e51	e44	e59	149	634	1,100	268	114	76
10	112	61	e55	e49	e43	e71	142	716	998	258	105	75
11	109	57	e54	e51	e46	e84	136	769	779	252	104	84
12	105	56	e57	e53	e41	e90	127	666	675	243	97	82
13	101	60	e57	e51	e44	e100	119	527	598	237	92	80
14	92	57	e53	e49	e46	e98	119	422	688	232	87	75
15	91	49	e55	e47	e46	e98	114	355	737	223	80	71
16	85	48	e51	e51	e40	e95	117	352	682	232	80	70
17	83	57	e59	e51	e43	e90	121	446	669	244	82	68
18	80	55	e57	e47	e43	e114	132	528	594	277	77	65
19	78	56	e55	e51	e43	e130	130	701	597	265	76	76
20	77	e58	e57	e44	e43	e148	127	854	596	267	74	157
21	77	e58	e57	e47	e44	e162	125	862	504	256	73	206
22	74	55	e55	e49	e43	e156	122	831	354	241	77	193
23	74	50	e53	e51	e43	e138	124	739	384	234	74	179
24	73	e57	e62	e50	e44	e108	116	708	418	261	67	168
25	71	e56	e53	e44	e44	115	115	694	436	243	64	161
26	62	e57	e59	e44	e44	119	111	715	412	226	63	151
27	69	e57	e51	e48	e44	122	116	756	399	213	60	142
28	68	e57	e53	e44	e46	113	128	877	380	204	61	136
29	66	e53	e59	e44	e46	103	140	1,040	382	186	58	137
30	61	e57	e53	e43	---	106	147	802	392	175	56	140
31	55	---	e51	e43	---	112	---	623	---	168	54	---
TOTAL	2,886	1,669	1,733	1,514	1,267	2,901	4,036	17,959	20,188	7,978	2,900	3,156
MEAN	93.1	55.6	55.9	48.8	43.7	93.6	135	579	673	257	93.5	105
MAX	140	62	62	55	47	162	201	1,040	1,200	377	159	206
MIN	55	45	51	43	40	43	111	138	354	168	54	48
AC-FT	5,720	3,310	3,440	3,000	2,510	5,750	8,010	35,620	40,040	15,820	5,750	6,260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	95.2	242	(1942)	40.3	(1957)	68.1	143	(1942)	42.7	(1940)	52.1	75.7	(1984)	32.9	(2002)
	46.2	66.5	(1984)	29.9	(2002)	43.8	71.0	(1986)	30.4	(1990)	56.6	102	(1939)	30.5	(1977)
	131	340	(1952)	53.3	(1990)	537	1,153	(1984)	205	(1977)	962	1,586	(1944)	176	(2002)
	470	1,266	(1957)	63.2	(2002)	205	1,266	(1944)	48.1	(2002)	470	1,266	(1957)	48.1	(2002)
	131	430	(1970)	45.5	(1956)	131	430	(1970)	45.5	(1956)	131	430	(1970)	45.5	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1938 - 2004
ANNUAL TOTAL	61,720	68,187	
ANNUAL MEAN	169	186	
HIGHEST ANNUAL MEAN			234
LOWEST ANNUAL MEAN			413
HIGHEST DAILY MEAN	1,480	1,200	2,410
LOWEST DAILY MEAN	28	e40	e,a21
ANNUAL SEVEN-DAY MINIMUM	34	42	23
MAXIMUM PEAK FLOW		1,320	2,720
MAXIMUM PEAK STAGE		3.65	b4.18
ANNUAL RUNOFF (AC-FT)	122,400	135,200	169,200
10 PERCENT EXCEEDS	409	575	674
50 PERCENT EXCEEDS	73	86	85
90 PERCENT EXCEEDS	37	46	40

e Estimated.

a Also occurred Feb 1, 2002.

b At datum then in use. Maximum gage height, 4.77 ft, Jun 16, 1995, at present datum.

09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, CO

LOCATION.--Lat 38°31'45", long 107°38'54", in NE¹/₄NW¹/₄ sec.10, T.49 N., R.7 W., Montrose County, Hydrologic Unit 14020002, on left bank 0.4 mi downstream from east portal of Gunnison Tunnel, 4.7 mi downstream from Crystal Creek, and 12 mi northeast of Montrose.

DRAINAGE AREA.--3,965 mi².

PERIOD OF RECORD.--October 1903 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at east portal of Gunnison Tunnel" 1905-6 and as "at River portal" 1907-11. Statistical summary computed for 1911 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09128000

REVISED RECORDS.--WSP 1313: 1906(M). WSP 1733: 1918-19, 1948. WSP 2124: Drainage area. WDR CO-77-2: 1926, 1941.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,526.06 ft above NGVD of 1929. Apr. 9, 1905 to Aug. 20, 1915, nonrecording gage at site 300 ft upstream from diversion dam at east portal of Gunnison Tunnel, at different datum. Aug. 21, 1915 to Jan. 19, 1943, nonrecording gage at site 500 ft downstream from diversion dam at east portal of Gunnison Tunnel, at different datum. Jan. 20, 1943 to Sept. 30, 1956, water-stage recorder at present site at datum 1.0 ft, higher.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by transmountain diversions, transbasin diversion through Gunnison Tunnel for irrigation of about 75,000 acres in Uncompahgre Valley (see table below for figures of diversion), Taylor Park Reservoir (station 09108500), Blue Mesa Reservoir (station 09124600), Morrow Point Reservoir (station 09125400), Crystal Reservoir (station 09127600), diversions for irrigation of about 63,000 acres, and return flow from irrigated areas.

COOPERATION.--Diversions, in acre-feet, through Gunnison Tunnel; provided by Colorado Division of Water Resources.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	377	349	313	315	325	312	329	309	350	472	573	532
2	378	348	315	318	322	311	313	311	349	475	572	542
3	378	348	310	320	322	311	311	310	352	478	568	587
4	380	350	310	319	322	310	314	309	357	478	562	585
5	371	352	309	321	322	309	314	308	358	478	561	586
6	372	351	309	323	322	309	315	337	360	535	564	585
7	363	360	309	322	321	308	315	353	363	646	567	549
8	364	354	307	322	320	308	315	354	362	715	570	535
9	363	353	306	322	314	317	317	355	362	741	572	539
10	366	352	305	323	323	311	316	359	358	746	573	540
11	367	352	305	325	323	311	315	355	355	745	590	527
12	368	352	305	324	323	311	315	348	353	745	636	531
13	368	352	304	325	323	312	315	344	355	749	636	538
14	359	353	305	320	323	311	315	343	352	747	633	510
15	363	353	306	321	320	312	316	340	354	748	629	489
16	365	349	309	321	321	312	314	341	363	746	635	485
17	361	335	310	321	321	311	314	347	365	753	636	489
18	361	326	306	321	321	310	314	351	364	750	604	498
19	364	319	307	324	322	310	315	348	362	685	584	497
20	366	320	307	325	321	310	316	328	364	639	559	564
21	367	320	308	325	318	309	316	348	365	639	536	595
22	369	320	308	325	318	310	318	379	351	636	530	630
23	364	317	307	325	317	310	310	380	357	664	536	644
24	361	315	309	325	320	311	310	377	386	690	529	646
25	354	315	310	326	313	312	312	373	399	691	525	643
26	357	315	310	325	312	314	310	361	385	688	531	635
27	360	315	310	328	311	313	311	356	379	664	531	636
28	359	314	309	324	311	311	311	353	440	616	534	692
29	359	314	311	325	310	311	314	355	463	571	530	806
30	377	313	318	325	---	311	313	355	455	570	531	1,340
31	358	---	314	325	---	344	---	354	---	577	530	---
TOTAL	11,339	10,086	9,571	10,010	9,261	9,672	9,433	10,741	11,138	20,077	17,667	17,975
MEAN	366	336	309	323	319	312	314	346	371	648	570	599
MAX	380	360	318	328	325	344	329	380	463	753	636	1,340
MIN	354	313	304	315	310	308	310	308	349	472	525	485
AC-FT	22,490	20,010	18,980	19,850	18,370	19,180	18,710	21,300	22,090	39,820	35,040	35,650
a	34,200	423	841	543	541	5,050	32,970	49,700	54,440	64,320	64,870	54,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	566	755	795	776	765	857	1,261	3,052	3,859	1,505	687	508
MAX	2,114	1,888	2,165	2,732	3,153	3,278	3,282	8,617	11,670	8,468	2,237	2,447
(WY)	(1912)	(1971)	(1987)	(1974)	(1971)	(1971)	(1930)	(1928)	(1957)	(1957)	(1957)	(1929)
MIN	17.0	116	141	143	155	248	177	216	123	61.1	34.4	8.37
(WY)	(1935)	(1935)	(1966)	(1966)	(1966)	(1966)	(1954)	(1967)	(1954)	(1940)	(1924)	(1937)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	152,303		146,970			
ANNUAL MEAN	417		402		1,283	
HIGHEST ANNUAL MEAN					2,936	
LOWEST ANNUAL MEAN					261	
HIGHEST DAILY MEAN	1,330	Jun 2	1,340	Sep 30	18,600	Jun 15, 1921
LOWEST DAILY MEAN	252	Feb 3	304	Dec 13	60.00	Sep 11, 1915
ANNUAL SEVEN-DAY MINIMUM	255	Feb 6	305	Dec 9	0.30	Oct 26, 1950
MAXIMUM PEAK FLOW			1,480	Sep 30	c19,000	Jun 15, 1921
MAXIMUM PEAK STAGE			3.99	Sep 30	15.80	Jun 15, 1921
ANNUAL RUNOFF (AC-FT)	302,100		291,500		929,100	
10 PERCENT EXCEEDS	745		620		3,020	
50 PERCENT EXCEEDS	348		348		608	
90 PERCENT EXCEEDS	260		310		198	

a Diversions, in acre-feet, through Gunnison Tunnel, provided by Colorado Division of Water Resources.

b Also occurred Sep 26, 1936, Oct 8, 1949, Sep 5-6, and 15-16, 1950.

c Present datum, from rating curve extended above 14,000 ft³/s.

09132500 NORTH FORK GUNNISON RIVER NEAR SOMERSET, CO

LOCATION.--Lat 38°55'33", long 107°26'01", in SE¹/₄SW¹/₄ sec.10, T.13 S., R.90 W., Gunnison County, Hydrologic Unit 14020004, on left bank 2.3 mi east of Somerset and 4.8 mi upstream from Hubbard Creek.

DRAINAGE AREA.--526 mi².

PERIOD OF RECORD.--October 1933 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09132500

REVISED RECORDS.--WSP 2124: Drainage area. WDR CO-77-2: 1976.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,280 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1982, at various sites 0.8 mi downstream, at different datums. See WDR CO-81-2, for history of changes.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by small diversions for irrigation in nearby drainage areas, irrigation of about 3,000 acres upstream from station, storage in Overland Reservoir (capacity, 6,280 acre-ft), and storage in Paonia Reservoir (capacity, 18,300 acre-ft), since February 1962.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	48	e62	e63	e62	71	622	619	649	332	244	127
2	75	51	e58	67	e62	68	709	619	689	292	255	65
3	80	68	e51	59	e64	64	741	737	866	259	252	60
4	74	57	e50	e55	e65	66	722	940	1,050	235	245	87
5	72	54	e44	40	e65	66	849	e1,230	1,160	219	242	105
6	70	50	e50	e40	e58	65	854	e1,450	1,280	222	241	86
7	67	54	e53	e48	e57	64	797	e1,620	1,300	218	236	81
8	66	51	e57	e55	e58	71	884	e1,710	1,240	222	236	79
9	64	52	e52	e63	e64	89	1,000	e1,770	1,130	247	239	78
10	63	67	e45	e65	e58	113	971	e1,940	938	265	244	77
11	64	65	e47	e65	e57	124	881	e1,800	749	255	244	81
12	62	59	e46	e70	e69	137	812	1,420	614	248	242	78
13	60	57	e40	e73	e66	152	772	1,270	583	247	238	71
14	59	71	e52	e74	e71	156	800	1,000	670	256	242	68
15	59	61	e63	e63	e73	150	721	859	709	246	244	66
16	58	54	e49	e65	e71	142	554	884	641	242	242	66
17	58	60	e49	e65	e71	139	608	1,010	586	284	241	70
18	58	53	e53	e66	e70	160	615	1,110	532	270	244	70
19	57	50	e58	e62	e77	202	521	1,450	508	238	250	77
20	55	58	e61	e61	e82	268	468	1,700	504	237	244	121
21	55	57	e63	e60	e84	340	446	1,590	477	238	235	149
22	55	57	e74	e65	e86	436	423	1,440	410	250	243	153
23	54	e48	e64	e62	e80	634	401	1,190	371	259	245	134
24	53	e41	e60	e66	e72	742	367	1,110	354	261	243	132
25	52	e49	e58	e62	e70	840	368	1,070	340	249	244	127
26	51	e61	e64	e66	e68	864	377	1,020	337	252	238	124
27	53	e53	e60	e69	67	817	464	1,050	314	270	237	118
28	53	e42	57	e65	69	698	584	1,100	285	261	235	113
29	54	e53	56	e64	66	617	669	1,180	272	245	230	112
30	50	e61	e59	e62	---	556	743	945	363	247	225	118
31	48	---	e64	e65	---	547	---	744	---	248	220	---
TOTAL	1,863	1,662	1,719	1,925	1,982	9,458	19,743	37,577	19,921	7,814	7,460	2,893
MEAN	60.1	55.4	55.5	62.1	68.3	305	658	1,212	664	252	241	96.4
MAX	80	71	74	74	86	864	1,000	1,940	1,300	332	255	153
MIN	48	41	40	40	57	64	367	619	272	218	220	60
AC-FT	3,700	3,300	3,410	3,820	3,930	18,760	39,160	74,530	39,510	15,500	14,800	5,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2004, BY WATER YEAR (WY)

	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	118	92.4	75.5	64.5	69.8	155	715	1,895	1,440	443	200	150																																																											
MAX	466	318	271	166	180	721	1,736	3,993	4,095	1,834	438	319																																																											
(WY)	(1987)	(1987)	(1966)	(1966)	(1986)	(1986)	(1986)	(1984)	(1957)	(1995)	(1957)	(1986)																																																											
MIN	47.9	35.2	33.1	29.6	30.4	40.2	166	314	179	64.6	48.1	47.6																																																											
(WY)	(1957)	(1990)	(1978)	(1990)	(1978)	(1964)	(1977)	(1977)	(1934)	(1934)	(1977)	(1934)																																																											

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1934 - 2004
ANNUAL TOTAL	130,771	114,017	
ANNUAL MEAN	358	312	453
HIGHEST ANNUAL MEAN			829
LOWEST ANNUAL MEAN			114
HIGHEST DAILY MEAN	3,210	May 28	7,080
LOWEST DAILY MEAN	e34	Feb 7	17
ANNUAL SEVEN-DAY MINIMUM	39	Feb 4	25
MAXIMUM PEAK FLOW		2,540	9,220
MAXIMUM PEAK STAGE		4.57	a8.20
ANNUAL RUNOFF (AC-FT)	259,400	226,200	328,100
10 PERCENT EXCEEDS	915	882	1,470
50 PERCENT EXCEEDS	119	118	135
90 PERCENT EXCEEDS	43	53	52

e Estimated.

a From outside high-water mark.

09132940 HUBBARD CREEK ABOVE IRON POINT GULCH NEAR BOWIE, CO

LOCATION.--Lat 38°58'57", long 107°31'52", in SE¹/₄SE¹/₄ sec.27, T.12 S., R.91 W., Delta County, Hydrologic Unit 14020004, on right bank 0.4 mi upstream from Iron Point Gulch, and 4.2 mi northeast of Bowie.

DRAINAGE AREA.--48.4 mi².

PERIOD OF RECORD.--August 2001 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09132940

GAGE.--Water-stage recorder. Elevation of gage is 6,600 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and discharges above 30 ft³/s, which are poor. No known diversions upstream from station.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 217 ft³/s, Sept. 20, 2004, gage height, 2.83 ft, from rating curve extended above 26 ft³/s; minimum daily, 0.05 ft³/s, Aug. 19, 2002.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 217 ft³/s, Sept. 20, gage height, 2.83 ft, from rating curve extended above 26 ft³/s; minimum daily, 0.93 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.93	---	---	---	---	---	---	---	10	5.9	3.5	2.3
2	1.7	---	---	---	---	---	---	---	9.6	3.5	3.7	1.8
3	3.8	---	---	---	---	---	---	---	8.6	2.6	4.1	1.4
4	2.3	---	---	---	---	---	---	---	8.8	2.2	4.1	7.5
5	2.1	---	---	---	---	---	---	---	9.2	2.1	4.3	15
6	1.9	---	---	---	---	---	---	---	14	1.9	5.9	12
7	1.7	---	---	---	---	---	---	---	15	1.8	8.1	8.1
8	1.6	---	---	---	---	---	---	---	14	1.7	4.6	6.0
9	1.6	---	---	---	---	---	---	---	11	1.6	3.9	e5.2
10	1.5	---	---	---	---	---	---	---	8.7	1.5	3.7	e5.1
11	1.6	---	---	---	---	---	---	---	6.0	1.8	3.6	e8.3
12	1.6	---	---	---	---	---	---	---	4.5	1.9	3.6	e7.2
13	1.8	---	---	---	---	---	---	---	4.5	3.4	3.7	e5.7
14	1.7	---	---	---	---	---	---	---	4.0	3.8	3.8	e4.4
15	1.7	---	---	---	---	---	---	---	4.6	4.2	3.8	e3.6
16	1.6	---	---	---	---	---	---	---	4.5	7.5	4.3	e3.1
17	1.6	---	---	---	---	---	---	---	4.1	10	5.9	e2.3
18	1.5	---	---	---	---	---	---	---	4.4	9.4	4.9	e2.5
19	1.4	---	---	---	---	---	---	---	4.1	9.4	6.3	e6.5
20	1.4	---	---	---	---	---	---	---	3.8	5.9	5.9	e122
21	1.4	---	---	---	---	---	---	---	3.8	5.3	6.9	74
22	1.4	---	---	---	---	---	---	---	3.8	4.3	6.4	34
23	1.4	---	---	---	---	---	---	---	e3.4	3.7	5.2	21
24	1.5	---	---	---	---	---	---	---	e3.3	4.8	4.7	23
25	1.4	---	---	---	---	---	---	---	e3.4	5.7	4.6	18
26	1.6	---	---	---	---	---	---	18	e3.5	4.8	4.3	15
27	1.9	---	---	---	---	---	---	15	3.6	10	4.2	13
28	2.1	---	---	---	---	---	---	15	3.9	13	4.5	12
29	2.1	---	---	---	---	---	---	18	3.3	6.3	3.8	16
30	2.1	---	---	---	---	---	---	16	4.3	4.5	3.1	19
31	---	---	---	---	---	---	---	12	---	3.8	2.6	---
TOTAL	---	---	---	---	---	---	---	---	189.7	148.3	142.0	475.0
MEAN	---	---	---	---	---	---	---	---	6.32	4.78	4.58	15.8
MAX	---	---	---	---	---	---	---	---	15	13	8.1	122
MIN	---	---	---	---	---	---	---	---	3.3	1.5	2.6	1.4
AC-FT	---	---	---	---	---	---	---	---	376	294	282	942

e Estimated.

09132960 HUBBARD CREEK AT HIGHWAY 133 AT MOUTH NEAR BOWIE, CO

LOCATION.--Lat 38°55'32", long 107°31'04", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.13 S., R.91 W., Delta County, Hydrologic Unit 14020004, on left bank at upstream side of bridge on State Highway 133, 100 ft upstream from mouth, and 1.3 mi northeast of Bowie.

DRAINAGE AREA.--57.7 mi².

PERIOD OF RECORD.--October 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09132960

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,880 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except estimated daily discharges, which are poor. Diversions upstream from station for irrigation. Most of the flow is diverted during irrigation season.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.36	0.07	1.5	2.1	1.9	3.6	74	68	7.2	2.5	1.4	0.43
2	e0.60	0.18	1.5	2.3	1.7	3.8	81	63	6.4	0.92	1.5	0.41
3	e0.90	2.3	e1.3	e2.0	1.7	2.6	82	74	5.4	0.45	1.7	0.35
4	e1.6	0.73	e1.3	e2.0	1.8	2.6	81	98	5.2	0.36	1.6	2.9
5	e0.79	0.48	e1.2	e1.9	1.8	2.7	143	104	5.1	0.34	1.6	13
6	e0.49	0.32	1.1	e1.8	e1.7	2.8	123	130	7.5	0.32	1.9	10
7	e0.35	0.43	1.3	e1.8	e1.7	e3.0	104	137	10	0.31	4.4	6.4
8	e0.21	0.32	1.7	e1.9	1.8	e2.9	136	135	9.0	0.27	2.0	4.2
9	e0.18	0.41	e2.0	e2.0	2.0	e3.1	147	132	6.1	0.19	1.4	3.1
10	0.02	1.3	e1.9	2.1	1.9	e3.5	126	e128	4.2	0.18	1.3	3.1
11	0.03	1.4	e1.8	2.1	1.7	e5.0	96	e118	3.0	0.19	1.1	6.4
12	0.03	0.87	e1.7	2.1	1.7	e7.5	89	99	1.7	e0.66	1.1	5.7
13	0.03	1.3	e1.5	2.0	1.8	7.9	86	81	1.7	e2.5	1.0	3.9
14	0.04	2.3	1.5	2.0	1.9	8.6	88	59	1.2	e2.6	1.2	2.7
15	0.04	1.6	e1.5	2.1	1.9	8.8	81	48	1.3	e3.0	1.2	2.1
16	0.04	1.1	e1.6	2.1	1.7	8.4	83	44	1.5	e6.8	1.3	1.8
17	0.04	2.0	e1.7	2.0	1.7	8.5	86	46	1.4	e8.1	2.3	0.88
18	0.04	0.87	e1.7	1.9	1.8	13	85	51	1.7	e7.2	2.0	0.95
19	0.04	1.0	1.9	1.9	2.3	20	64	64	1.4	e7.6	2.7	4.9
20	0.04	1.3	1.8	1.9	2.4	28	51	76	0.96	2.5	2.6	75
21	0.05	1.6	1.9	1.9	2.1	38	50	70	1.0	2.4	3.2	58
22	0.05	1.4	1.9	1.9	2.2	56	50	59	0.89	1.4	3.0	32
23	0.06	0.36	e1.8	1.9	2.5	69	50	34	0.53	1.2	2.7	20
24	0.06	0.86	e1.8	1.9	2.2	88	50	28	0.38	1.5	2.1	21
25	0.06	e1.0	2.0	1.9	2.3	134	61	24	0.39	2.4	1.7	17
26	0.07	1.1	1.9	e1.7	2.8	123	61	17	0.70	1.4	1.3	16
27	0.07	e1.1	e1.8	1.8	2.6	92	67	14	0.74	5.8	1.3	12
28	0.08	e1.1	e1.9	1.7	3.0	52	79	12	0.99	10	1.5	12
29	0.07	1.0	e1.9	1.7	3.0	39	80	13	0.73	4.1	1.1	14
30	0.07	1.4	2.2	1.7	---	42	93	13	0.74	2.4	0.77	18
31	0.07	---	2.3	1.8	---	56	---	9.1	---	1.7	0.50	---
TOTAL	6.58	31.20	52.9	59.9	59.6	935.3	2,547	2,048.1	89.05	81.29	54.47	368.22
MEAN	0.21	1.04	1.71	1.93	2.06	30.2	84.9	66.1	2.97	2.62	1.76	12.3
MAX	1.6	2.3	2.3	2.3	3.0	134	147	137	10	10	4.4	75
MIN	0.02	0.07	1.1	1.7	1.7	2.6	50	9.1	0.38	0.18	0.50	0.35
AC-FT	13	62	105	119	118	1,860	5,050	4,060	177	161	108	730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

	2002	2003	2004	2003	2004	2004	2003	2003	2003	2004	2004	2004
MEAN	0.52	0.99	0.89	1.01	1.04	12.8	60.9	62.4	8.20	0.96	0.76	5.09
MAX	1.27	1.31	1.71	1.93	2.06	30.2	84.9	119	21.6	2.62	1.76	12.3
(WY)	(2003)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2004)	(2004)	(2004)
MIN	0.08	0.61	0.19	0.21	0.23	2.43	32.4	2.32	0.06	0.05	0.01	0.29
(WY)	(2002)	(2002)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	6,683.90		6,333.61			
ANNUAL MEAN	18.3		17.3		13.0	
HIGHEST ANNUAL MEAN					18.3	
LOWEST ANNUAL MEAN					3.36	
HIGHEST DAILY MEAN	225	May 18	147	Apr 9	225	May 18, 2003
LOWEST DAILY MEAN	0.02	Oct 10	0.02	Oct 10	a0.00	Aug 17, 2002
ANNUAL SEVEN-DAY MINIMUM	0.03	Oct 10	0.03	Oct 10	0.00	Aug 22, 2002
MAXIMUM PEAK FLOW			222	Apr 5	355	May 18, 2003
MAXIMUM PEAK STAGE			2.60	Apr 5	3.18	May 18, 2003
ANNUAL RUNOFF (AC-FT)	13,260		12,560		9,410	
10 PERCENT EXCEEDS	86		74		54	
50 PERCENT EXCEEDS	0.79		2.0		0.96	
90 PERCENT EXCEEDS	0.10		0.35		0.06	

e Estimated.

a Also occurred Aug 18, 19, Aug 22 to Sep 6, 2002.

09132985 EAST FORK TERROR CREEK BELOW COTTONWOOD STOMP NEAR BOWIE, CO

LOCATION.--Lat 38°57'53", long 107°33'59", in NW¹/₄SW¹/₄ sec.33, T.12 S., R.91 W., Delta County, Hydrologic Unit 14020004, on right bank 200 ft downstream from culvert crossing, 0.6 mi downstream from Cottonwood Stomp, and 3.2 mi northwest of Bowie.

DRAINAGE AREA.--4.76 mi².

PERIOD OF RECORD.--August 2001 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09132985

GAGE.--Water-stage recorder. Elevation of gage is 7,500 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. No diversions upstream from station. Flow partially regulated by Terror Creek Reservoir 1.4 mi upstream from station on unnamed tributary.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 13 ft³/s, June 22, 23, July 27, 2004, gage height, 1.01 ft; minimum daily, 0.14 ft³/s, Sept. 26, 27, 2003.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge during period of operation, 13 ft³/s, June 22, 23, July 27, gage height, 1.01 ft; minimum daily, 0.16 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.16	---	---	---	---	---	---	---	2.4	4.7	3.5	6.9
2	0.31	---	---	---	---	---	---	---	2.7	3.9	3.5	6.8
3	0.42	---	---	---	---	---	---	---	3.3	3.4	3.5	6.7
4	0.41	---	---	---	---	---	---	---	5.6	3.0	3.5	7.3
5	0.29	---	---	---	---	---	---	---	6.1	2.8	3.5	6.9
6	0.25	---	---	---	---	---	---	---	6.5	3.5	3.8	6.1
7	0.24	---	---	---	---	---	---	---	6.5	4.1	4.4	6.0
8	0.23	---	---	---	---	---	---	---	7.0	3.9	4.4	5.4
9	0.22	---	---	---	---	---	---	---	6.5	5.0	4.3	4.9
10	0.26	---	---	---	---	---	---	---	5.4	6.7	5.6	4.9
11	0.30	---	---	---	---	---	---	---	3.3	5.5	6.5	4.8
12	0.39	---	---	---	---	---	---	---	4.4	4.3	6.5	5.5
13	0.41	---	---	---	---	---	---	---	3.9	4.3	6.5	5.4
14	0.31	---	---	---	---	---	---	---	4.2	4.3	6.2	5.2
15	0.26	---	---	---	---	---	---	---	4.8	4.3	6.1	5.2
16	0.27	---	---	---	---	---	---	---	4.4	4.3	5.9	4.9
17	0.29	---	---	---	---	---	---	---	4.6	4.3	5.9	4.5
18	0.29	---	---	---	---	---	---	---	4.6	4.4	5.3	3.0
19	0.29	---	---	---	---	---	---	---	4.1	4.4	4.7	1.8
20	0.34	---	---	---	---	---	---	---	3.8	4.5	5.5	5.1
21	0.35	---	---	---	---	---	---	---	4.0	4.5	6.0	4.9
22	0.35	---	---	---	---	---	---	---	5.4	4.5	6.1	2.7
23	0.34	---	---	---	---	---	---	---	12	4.5	6.0	1.7
24	0.34	---	---	---	---	---	---	---	9.9	4.7	5.8	1.7
25	0.35	---	---	---	---	---	---	---	3.9	4.5	5.4	1.3
26	0.26	---	---	---	---	---	---	---	4.3	4.3	2.6	1.2
27	0.21	---	---	---	---	---	---	---	4.9	6.2	3.3	0.86
28	0.26	---	---	---	---	---	---	2.4	4.7	6.7	5.3	0.72
29	0.28	---	---	---	---	---	---	5.6	4.3	6.1	5.9	1.2
30	---	---	---	---	---	---	---	3.6	4.6	4.5	6.3	1.5
31	---	---	---	---	---	---	---	2.7	---	3.6	7.0	---
TOTAL	---	---	---	---	---	---	---	---	152.1	139.7	158.8	125.08
MEAN	---	---	---	---	---	---	---	---	5.07	4.51	5.12	4.17
MAX	---	---	---	---	---	---	---	---	12	6.7	7.0	7.3
MIN	---	---	---	---	---	---	---	---	2.4	2.8	2.6	0.72
AC-FT	---	---	---	---	---	---	---	---	302	277	315	248

09132995 TERROR CREEK AT MOUTH NEAR BOWIE, CO

LOCATION.--Lat 38°54'14", long 107°33'41", in NW¹/₄SE¹/₄ sec.21, T.13 S., R.91 W., Delta County, Hydrologic Unit 14020004, on right downstream end of box culvert, 450 ft upstream from mouth, and 1.6 mi southwest of Bowie.

DRAINAGE AREA.--29.5 mi².

PERIOD OF RECORD.--June 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09132995

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,760 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.31	0.12	e0.02	e0.08	0.21	53	43	0.21	1.1	0.03	0.22
2	0.01	0.45	0.09	e0.02	e0.08	0.20	53	33	0.23	0.36	0.04	0.17
3	0.01	1.2	0.06	e0.02	e0.07	0.33	49	40	0.26	0.31	0.07	0.16
4	0.03	1.2	0.05	e0.02	e0.07	0.55	47	48	0.50	0.19	0.18	0.51
5	0.02	0.97	0.05	e0.02	e0.08	0.37	83	48	0.70	0.14	0.20	0.74
6	0.03	1.00	e0.03	e0.02	e0.08	0.28	67	52	0.59	0.15	0.20	0.43
7	0.01	0.88	e0.02	e0.02	e0.09	0.28	58	49	0.64	0.15	0.13	0.26
8	0.01	0.79	e0.03	e0.03	e0.09	0.37	92	46	0.71	0.13	0.04	0.14
9	0.01	0.66	e0.03	e0.03	e0.09	0.47	114	40	0.56	0.11	0.07	0.08
10	0.01	1.2	e0.02	e0.03	0.24	0.58	80	38	0.34	0.35	0.07	0.10
11	0.01	0.55	e0.01	e0.03	0.23	2.7	55	37	0.21	0.30	0.11	0.14
12	0.01	0.49	e0.01	e0.03	e0.11	4.0	47	26	0.22	0.06	0.14	0.16
13	0.01	0.36	e0.01	e0.03	e0.12	3.1	49	25	0.22	0.05	0.13	0.14
14	0.01	0.93	e0.01	e0.04	e0.12	4.2	57	22	0.21	0.06	0.11	0.14
15	0.01	1.0	e0.01	e0.04	0.27	3.0	54	14	0.22	0.06	0.11	0.16
16	0.01	0.78	e0.01	e0.04	0.28	2.2	63	8.0	0.23	0.11	0.19	0.10
17	0.03	0.53	e0.01	e0.04	e0.15	3.0	66	13	0.34	0.18	0.25	0.11
18	0.01	0.60	e0.01	e0.04	e0.15	7.1	62	18	0.57	0.12	0.30	0.03
19	0.01	0.29	e0.01	e0.04	e0.83	13	43	27	0.37	0.12	0.28	0.04
20	0.02	0.62	e0.01	e0.05	1.0	20	34	27	21	0.14	0.31	3.9
21	0.02	0.64	e0.01	e0.05	0.78	27	32	23	143	0.24	0.41	6.9
22	0.02	0.74	e0.01	e0.04	0.75	39	29	17	119	0.26	0.44	1.2
23	0.02	0.20	e0.01	e0.04	0.84	47	27	3.4	5.9	0.26	0.34	0.32
24	0.02	0.10	e0.02	e0.05	0.46	53	25	2.1	4.9	0.28	0.17	0.28
25	0.02	e0.37	e0.02	e0.05	0.40	83	29	1.0	0.94	0.27	0.13	0.23
26	0.03	e0.52	e0.02	e0.05	0.27	72	36	0.44	1.8	0.20	0.11	0.18
27	0.03	e0.22	e0.02	e0.06	0.33	51	51	0.32	4.5	0.65	0.11	0.15
28	0.03	e0.21	e0.02	e0.06	0.39	30	60	0.27	3.3	0.85	0.29	0.11
29	0.03	e0.20	e0.02	e0.07	0.25	25	62	0.70	0.82	0.30	0.27	0.12
30	0.03	e0.11	e0.02	e0.07	---	31	61	0.46	0.64	0.21	0.35	0.23
31	0.10	---	e0.02	e0.07	---	43	---	0.20	---	0.10	0.34	---
TOTAL	0.62	18.12	0.79	1.22	8.70	566.94	1,638	702.89	313.13	7.81	5.92	17.45
MEAN	0.02	0.60	0.03	0.04	0.30	18.3	54.6	22.7	10.4	0.25	0.19	0.58
MAX	0.10	1.2	0.12	0.07	1.0	83	114	52	143	1.1	0.44	6.9
MIN	0.00	0.10	0.01	0.02	0.07	0.20	25	0.20	0.21	0.05	0.03	0.03
AC-FT	1.2	36	1.6	2.4	17	1,120	3,250	1,390	621	15	12	35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

	2001	2002	2003	2004
MEAN	0.05	0.42	0.04	0.06
MAX	0.08	0.60	0.06	0.09
(WY)	(2003)	(2004)	(2003)	(2003)
MIN	0.02	0.19	0.03	0.04
(WY)	(2004)	(2002)	(2004)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 2001 - 2004
ANNUAL TOTAL	5,035.72	3,281.59	
ANNUAL MEAN	13.8	8.97	8.11
HIGHEST ANNUAL MEAN			13.8
LOWEST ANNUAL MEAN			1.56
HIGHEST DAILY MEAN	224	143	224
LOWEST DAILY MEAN	0.00	0.00	a0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.01	0.00
MAXIMUM PEAK FLOW		172	335
MAXIMUM PEAK STAGE		3.87	4.23
ANNUAL RUNOFF (AC-FT)	9,990	6,510	5,870
10 PERCENT EXCEEDS	51	43	27
50 PERCENT EXCEEDS	0.31	0.23	0.17
90 PERCENT EXCEEDS	0.01	0.02	0.02

e Estimated.

a No flow several days, most years.

09134000 MINNESOTA CREEK NEAR PAONIA, CO

LOCATION.--Lat 38°52'12", long. 107°30'13", in NW¹/₄NE¹/₄ of sec.1 (revised), T.14 S., R.91 W., Delta County, Hydrologic Unit 14020004, on right bank 0.25 mi downstream from South Fork, 6 mi upstream from mouth, and 4.5 mi east of Paonia.

DRAINAGE AREA.--41.3 mi².

PERIOD OF RECORD.--April 1936 to September 1947, October 1985 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09134000

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from topographic map. Apr. 1936 to Oct. 1941, staff gages at different datums. Oct. 1941 to Sept. 1947, water-stage recorder at different datum. Dec. 1985 to present, water-stage recorder, at datum 2.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by two small storage reservoirs, one of which obtains water from the East Muddy Creek Basin. Small transbasin diversions from Coal Creek into Minnesota Creek. Diversions upstream from station for irrigation of about 100 acres.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	3.1	3.0	2.5	2.2	e2.8	11	20	39	23	18	3.5
2	4.9	3.3	3.0	2.6	2.0	e2.7	13	20	40	22	18	3.2
3	4.3	4.1	e2.8	2.7	2.0	2.5	14	22	44	20	18	3.1
4	4.1	3.4	e2.7	e2.2	2.0	2.5	14	27	46	20	18	6.6
5	4.0	3.3	2.9	e2.0	2.2	2.5	20	35	48	23	19	5.4
6	3.9	3.4	3.0	e2.1	e2.1	2.5	18	41	52	26	21	4.1
7	3.9	3.5	3.2	e2.3	e2.3	2.6	17	44	56	25	21	3.6
8	5.6	3.4	3.3	2.4	2.5	3.3	19	49	55	23	21	3.6
9	7.7	3.4	e3.3	2.3	e2.7	4.4	33	52	53	23	17	3.8
10	5.0	4.3	e3.2	2.3	e2.8	5.3	24	53	50	21	16	4.1
11	4.5	3.8	e3.2	2.4	e2.8	5.0	19	53	47	20	16	3.9
12	4.3	3.5	e3.1	2.4	e2.7	5.5	16	52	43	20	16	3.6
13	4.2	3.8	3.2	2.5	e2.7	5.7	15	48	40	19	16	3.8
14	4.1	4.6	3.0	2.3	2.6	5.6	15	41	38	19	15	3.6
15	4.3	3.7	3.2	2.3	2.4	5.9	16	36	39	19	15	3.6
16	4.2	3.5	e2.8	2.3	2.6	5.3	17	34	37	20	15	3.3
17	3.9	3.6	3.0	e2.4	2.4	5.5	18	37	35	21	14	3.2
18	3.7	3.3	3.0	e2.4	2.4	6.4	18	42	27	21	15	3.0
19	3.7	e3.1	2.7	e2.3	2.6	7.9	17	49	27	20	15	5.1
20	3.5	e3.0	2.7	2.2	2.8	9.6	16	52	26	19	14	8.3
21	3.7	3.2	2.8	2.2	2.6	11	16	51	26	19	14	11
22	3.9	3.1	2.8	2.4	2.6	11	16	50	27	18	14	9.0
23	3.9	2.9	2.7	2.2	2.5	12	15	48	25	18	13	6.4
24	3.5	e2.7	2.8	2.2	2.4	12	14	45	28	18	12	5.7
25	3.4	e2.8	2.5	2.1	2.6	13	14	40	27	18	12	5.0
26	3.2	3.2	2.5	e2.0	2.7	13	14	42	26	17	10	4.8
27	3.2	e3.0	2.6	e1.9	2.8	12	15	43	25	18	4.0	4.7
28	3.2	e2.9	e2.4	2.0	e2.8	9.6	18	44	25	19	4.1	4.7
29	3.2	2.9	e2.4	2.0	e2.7	8.3	19	45	24	18	3.7	5.1
30	3.0	3.0	2.5	2.0	---	8.4	21	41	24	18	3.5	5.7
31	3.1	---	2.5	2.1	---	9.4	---	42	---	18	3.3	---
TOTAL	124.6	100.8	88.8	70.0	72.5	213.2	512	1,298	1,099	623	431.6	144.5
MEAN	4.02	3.36	2.86	2.26	2.50	6.88	17.1	41.9	36.6	20.1	13.9	4.82
MAX	7.7	4.6	3.3	2.7	2.8	13	33	53	56	26	21	11
MIN	3.0	2.7	2.4	1.9	2.0	2.5	11	20	24	17	3.3	3.0
AC-FT	247	200	176	139	144	423	1,020	2,570	2,180	1,240	856	287

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	5.68	4.95	4.11	3.39	3.78	7.03	26.0	86.4	68.4	27.1	14.9	7.71
MAX	16.6	12.9	9.08	5.80	8.62	19.2	89.6	199	194	88.2	29.7	19.8
(WY)	(1942)	(1987)	(1987)	(1942)	(1986)	(1986)	(1942)	(1993)	(1993)	(1995)	(1993)	(1993)
MIN	2.64	1.84	1.65	1.70	1.89	2.57	7.18	15.1	15.5	5.05	2.05	2.91
(WY)	(2000)	(2000)	(2003)	(2000)	(2000)	(2000)	(1990)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1937 - 2004

ANNUAL TOTAL	5,661.2	4,778.0										
ANNUAL MEAN	15.5	13.1								21.7		
HIGHEST ANNUAL MEAN										46.9		1993
LOWEST ANNUAL MEAN										5.73		2002
HIGHEST DAILY MEAN	153	Jun 1					56	Jun 7		340		May 28, 1993
LOWEST DAILY MEAN	e1.5	Feb 6					e1.9	Jan 27		1.0		Nov 14, 1936
ANNUAL SEVEN-DAY MINIMUM	1.7	Jan 2					2.0	Jan 25		a1.4		Feb 17, 1999
MAXIMUM PEAK FLOW							59	Jun 7		359		May 28, 1993
MAXIMUM PEAK STAGE							b1.38	Jun 7		c3.24		May 28, 1993
ANNUAL RUNOFF (AC-FT)	11,230						9,480			15,710		
10 PERCENT EXCEEDS	34						39			59		
50 PERCENT EXCEEDS	4.5						5.0			6.8		
90 PERCENT EXCEEDS	2.4						2.4			2.6		

e Estimated.

a Also occurred Jan 16, 1990.

b Maximum gage height, 1.63 ft, Feb 10, backwater from ice.

c Maximum gage height, 3.70 ft, May 22, 1942, site and datum then in use.

09134100 NORTH FORK GUNNISON RIVER BELOW PAONIA, CO

LOCATION.--Lat 38°51'27", long 107°37'19", in SW¼SE¼ sec.1, T.14 S., R.92 W., Delta County, Hydrologic Unit 14020004, on left bank 1,250 ft downstream from Roatcap Creek, and 1.5 mi southwest of Paonia.

DRAINAGE AREA.--741 mi².

PERIOD OF RECORD.--March 2000 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09134100

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 5,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversion to Fire Mountain Canal for irrigation of about 5,000 acres above and below station and many other smaller diversions for irrigation above station, storage in Overland Reservoir (capacity, 6,280 acre-ft), and storage in Paonia Reservoir (capacity, 18,300 acre-ft), since February 1962.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	60	74	60	65	85	758	496	419	78	13	9.4
2	29	64	71	55	66	86	832	455	427	55	17	13
3	49	81	64	54	60	88	862	543	553	39	17	10
4	56	74	61	e50	61	88	866	784	773	26	14	20
5	53	64	59	e45	58	89	1,160	1,030	862	20	12	49
6	49	63	66	e50	59	84	1,120	1,460	996	18	12	25
7	48	64	65	e60	54	85	984	1,740	1,110	13	10	16
8	48	62	73	e68	59	93	1,140	1,890	933	9.7	9.5	13
9	50	59	64	e68	66	116	1,350	1,900	837	15	8.9	12
10	47	78	e54	e70	57	148	1,270	2,160	669	39	9.2	12
11	47	79	e60	e70	62	165	1,040	2,120	448	35	11	13
12	41	72	e61	e73	e60	179	935	1,590	350	23	10	11
13	41	70	e53	e76	e59	204	848	1,340	330	22	9.2	10
14	39	89	e68	e62	e65	214	818	961	363	27	8.9	9.0
15	43	88	e78	e58	e70	212	736	762	400	32	10	10
16	49	79	e55	e57	e75	201	507	727	357	17	13	9.8
17	52	83	e50	e55	82	193	583	844	359	30	13	13
18	46	76	e55	e54	81	222	558	955	316	27	13	11
19	45	62	e66	e51	89	274	435	1,370	300	12	18	17
20	44	76	69	e52	92	386	360	1,830	301	11	18	115
21	37	82	73	e55	91	472	333	1,630	349	11	13	166
22	30	78	63	e61	93	585	320	1,410	369	13	13	141
23	30	e57	e69	e55	91	816	308	977	174	18	14	100
24	35	e45	58	e50	89	920	271	889	110	21	12	92
25	49	e60	60	e56	92	1,080	281	841	91	17	13	79
26	49	e79	66	e60	90	1,120	281	786	83	14	11	72
27	60	e70	58	e63	95	999	339	793	80	26	11	66
28	61	50	e57	71	100	790	457	818	59	35	13	63
29	62	62	e60	68	91	686	502	925	58	20	10	64
30	61	76	61	66	---	632	656	718	81	14	9.0	75
31	57	---	63	63	---	633	---	507	---	15	11	---
TOTAL	1,446	2,102	1,954	1,856	2,172	11,945	20,910	35,251	12,557	752.7	376.7	1,316.2
MEAN	46.6	70.1	63.0	59.9	74.9	385	697	1,137	419	24.3	12.2	43.9
MAX	62	89	78	76	100	1,120	1,350	2,160	1,110	78	18	166
MIN	29	45	50	45	54	84	271	455	58	9.7	8.9	9.0
AC-FT	2,870	4,170	3,880	3,680	4,310	23,690	41,470	69,920	24,910	1,490	747	2,610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	43.1	79.0	60.1	55.3	59.2	175	632	1,306	414	19.6	16.8	32.8
MAX	60.2	87.9	71.1	61.2	74.9	385	1,042	2,213	839	24.3	33.3	73.0
(WY)	(2003)	(2001)	(2002)	(2002)	(2004)	(2004)	(2000)	(2003)	(2003)	(2004)	(2001)	(2003)
MIN	28.6	70.1	49.5	45.0	45.2	88.5	380	255	72.8	8.89	9.89	13.3
(WY)	(2002)	(2004)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2000)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	125,625.6		92,638.6			
ANNUAL MEAN	344		253		234	
HIGHEST ANNUAL MEAN					345	
LOWEST ANNUAL MEAN					94.0	
HIGHEST DAILY MEAN	3,990	May 19	2,160	May 10	3,990	May 19, 2003
LOWEST DAILY MEAN	5.6	Jul 15	8.9	Aug 9	4.4	Jul 19, 2002
ANNUAL SEVEN-DAY MINIMUM	9.5	Jul 10	9.5	Aug 8	6.0	Sep 13, 2000
MAXIMUM PEAK FLOW			2,630	May 13	4,770	May 19, 2003
MAXIMUM PEAK STAGE			3.85	May 13	4.85	May 19, 2003
ANNUAL RUNOFF (AC-FT)	249,200		183,700		169,200	
10 PERCENT EXCEEDS	860		852		662	
50 PERCENT EXCEEDS	59		66		62	
90 PERCENT EXCEEDS	16		13		11	

e Estimated.

09135950 NORTH FORK GUNNISON RIVER BELOW LEROUX CREEK, NEAR HOTCHKISS, CO

LOCATION.--Lat 38°47'18", long 107°44'21", in SW¹/₄SW¹/₄ sec.36, T.14 S., R.93 W., Delta County, Hydrologic Unit 14020004, on left bank 0.7 mi downstream from Leroux Creek, and 1 mi southwest of Hotchkiss.

DRAINAGE AREA.--922 mi².

PERIOD OF RECORD.--July 1997 to current year (seasonal records only). For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09135950

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,240 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by diversions for irrigation of about 44,000 acres upstream from station, storage in Overland Reservoir, capacity, 6,280 acre-ft, and storage in Paonia Reservoir (capacity, 18,300 acre-ft).

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 3,220 ft³/s, May 24, 1999, gage height, 11.34, minimum daily, 21 ft³/s, Aug. 17, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge 3,230 ft³/s (discharge measurement), June 11, 1997, gage height, 11.82 ft.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge during period of operation, 449 ft³/s, June 22, gage height, 9.28 ft; minimum daily, 39 ft³/s, July 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	---	---	---	---	---	---	---	---	161	53	61
2	83	---	---	---	---	---	---	---	---	117	56	60
3	101	---	---	---	---	---	---	---	---	90	67	61
4	110	---	---	---	---	---	---	---	---	72	60	84
5	106	---	---	---	---	---	---	---	---	62	58	125
6	103	---	---	---	---	---	---	---	---	53	61	104
7	101	---	---	---	---	---	---	---	---	45	63	89
8	98	---	---	---	---	---	---	---	---	41	56	80
9	97	---	---	---	---	---	---	---	---	39	51	76
10	98	---	---	---	---	---	---	---	---	52	50	80
11	98	---	---	---	---	---	---	---	---	63	51	82
12	95	---	---	---	---	---	---	---	---	50	48	78
13	92	---	---	---	---	---	---	---	---	43	46	74
14	92	---	---	---	---	---	---	---	---	45	46	69
15	93	---	---	---	---	---	---	---	---	53	50	67
16	94	---	---	---	---	---	---	---	---	50	55	68
17	95	---	---	---	---	---	---	---	---	66	57	69
18	93	---	---	---	---	---	---	---	---	83	64	67
19	92	---	---	---	---	---	---	---	---	60	69	87
20	89	---	---	---	---	---	---	---	---	50	80	183
21	87	---	---	---	---	---	---	---	---	49	73	339
22	84	---	---	---	---	---	---	---	---	422	48	296
23	85	---	---	---	---	---	---	---	---	251	63	230
24	87	---	---	---	---	---	---	---	---	200	70	209
25	100	---	---	---	---	---	---	---	---	179	65	178
26	96	---	---	---	---	---	---	---	---	174	63	162
27	102	---	---	---	---	---	---	---	---	170	71	152
28	102	---	---	---	---	---	---	---	---	137	91	139
29	100	---	---	---	---	---	---	---	---	116	72	146
30	102	---	---	---	---	---	---	---	---	129	62	155
31	94	---	---	---	---	---	---	---	---	58	63	---
TOTAL	2,958	---	---	---	---	---	---	---	---	2,007	1,893	3,670
MEAN	95.4	---	---	---	---	---	---	---	---	64.7	61.1	122
MAX	110	---	---	---	---	---	---	---	---	161	80	339
MIN	83	---	---	---	---	---	---	---	---	39	46	60
AC-FT	5,870	---	---	---	---	---	---	---	---	3,980	3,750	7,280

09143000 SURFACE CREEK NEAR CEDAREEDGE, CO

LOCATION (REVISED).--Lat 38°59'05", long 107°51'14", in NW¹/₄NW¹/₄ sec.25, T.12 S., R.94 W., Delta County, Hydrologic Unit 14020005, on right bank 50 ft downstream from private bridge, 1.4 mi downstream from Caesar Creek, and 7.0 mi northeast of Cedaredge.

DRAINAGE AREA.--27.4 mi².

PERIOD OF RECORD.--July 1939 to September 1999. October 1999 to current year (seasonal records only). Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09143000

REVISED RECORDS.--WDR CO-83-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 8,261 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for Oct. 1-21, Apr. 21 to July 21, and estimated daily discharges, which are poor. Flow regulated by many small reservoirs. Some water imported from Leon Lake in Plateau Creek drainage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 892 ft³/s, June 15, 1995, gage height, 3.79 ft; maximum gage height, 5.10 ft, Apr. 13, 1958 (ice jam); minimum daily, 0.80 ft³/s, Jan. 15, 1977.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 167 ft³/s, May 9, gage height, 3.70 ft; minimum daily, 11 ft³/s, Oct. 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	---	---	---	---	---	---	48	93	46	e32	39
2	22	---	---	---	---	---	---	58	99	38	e43	39
3	19	---	---	---	---	---	---	63	100	33	52	48
4	20	---	---	---	---	---	---	75	98	29	64	52
5	18	---	---	---	---	---	---	98	102	27	65	50
6	17	---	---	---	---	---	---	e108	103	27	68	43
7	16	---	---	---	---	---	---	107	104	36	66	42
8	15	---	---	---	---	---	---	99	104	36	63	33
9	15	---	---	---	---	---	---	112	107	38	41	32
10	24	---	---	---	---	---	---	104	102	39	39	22
11	24	---	---	---	---	---	---	98	119	39	38	19
12	23	---	---	---	---	---	---	75	112	35	37	19
13	20	---	---	---	---	---	---	62	109	34	33	20
14	20	---	---	---	---	---	---	64	95	30	33	20
15	18	---	---	---	---	---	---	67	94	32	32	24
16	17	---	---	---	---	---	---	82	87	50	31	24
17	14	---	---	---	---	---	---	88	73	44	33	41
18	14	---	---	---	---	---	---	93	73	43	42	41
19	13	---	---	---	---	---	---	106	71	47	41	53
20	12	---	---	---	---	---	---	108	69	45	36	61
21	11	---	---	---	---	---	29	102	69	36	37	46
22	---	---	---	---	---	---	25	102	67	35	35	33
23	---	---	---	---	---	---	23	117	73	38	31	32
24	---	---	---	---	---	---	22	115	65	38	31	30
25	---	---	---	---	---	---	26	109	48	37	34	27
26	---	---	---	---	---	---	33	111	48	41	33	25
27	---	---	---	---	---	---	44	115	49	41	47	25
28	---	---	---	---	---	---	57	118	67	38	46	24
29	---	---	---	---	---	---	54	117	66	36	46	31
30	---	---	---	---	---	---	50	109	53	35	37	32
31	---	---	---	---	---	---	---	101	---	e33	37	---
TOTAL	---	---	---	---	---	---	---	2,931	2,519	1,156	1,303	1,027
MEAN	---	---	---	---	---	---	---	94.5	84.0	37.3	42.0	34.2
MAX	---	---	---	---	---	---	---	118	119	50	68	61
MIN	---	---	---	---	---	---	---	48	48	27	31	19
AC-FT	---	---	---	---	---	---	---	5,810	5,000	2,290	2,580	2,040

e Estimated.

09143500 SURFACE CREEK AT CEDAREDDGE, CO

LOCATION.--Lat 38°54'06", long 107°55'14", in SW¹/₄SE¹/₄ sec.20, T.13 S., R.94 W., Delta County, Hydrologic Unit 14020005, on left bank at Cedaredge, 700 ft east of State Highway 65, and 8.5 mi upstream from mouth.

DRAINAGE AREA.--39.0 mi².

PERIOD OF RECORD.--October 1916 to September 1999. October 1999 to current year (seasonal records only). Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09143500

REVISED RECORDS.--WRD CO-83-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 6,220 ft above NGVD of 1929, from topographic map. Prior to June 8, 1917, nonrecording gage at present site at datum 0.50 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions to and from nearby streams, many small storage reservoirs, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,190 ft³/s, May 13, 1941, gage height, 2.50 ft from rating curve extended above 640 ft³/s; maximum gage height, 3.10 ft, May 21, 1993; minimum daily, no flow at times some years.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge during period of operation, 130 ft³/s, May 5, gage height, 1.81 ft; minimum daily, 2.8 ft³/s, Oct. 31.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	---	---	---	---	---	40	46	52	34	15	19
2	15	---	---	---	---	---	42	51	54	27	28	21
3	15	---	---	---	---	---	42	67	53	24	29	24
4	17	---	---	---	---	---	42	84	51	22	39	30
5	14	---	---	---	---	---	60	94	55	21	40	30
6	14	---	---	---	---	---	52	91	58	19	29	24
7	13	---	---	---	---	---	45	83	59	22	23	22
8	11	---	---	---	---	---	55	76	58	21	21	22
9	9.9	---	---	---	---	---	63	69	54	19	16	21
10	12	---	---	---	---	---	50	67	54	18	16	19
11	11	---	---	---	---	---	41	69	53	18	17	16
12	9.9	---	---	---	---	---	37	e54	48	16	18	15
13	6.5	---	---	---	---	---	42	e47	48	15	14	14
14	5.7	---	---	---	---	---	52	e48	49	18	14	13
15	8.4	---	---	---	---	---	52	e50	48	20	14	17
16	10	---	---	---	---	---	58	e54	50	25	11	18
17	8.8	---	---	---	---	---	e61	57	48	24	11	22
18	10	---	---	---	---	---	54	64	49	24	17	21
19	10	---	---	---	---	---	41	70	48	20	16	33
20	8.6	---	---	---	---	---	e39	63	46	15	16	57
21	8.2	---	---	---	---	---	e34	58	43	15	19	47
22	9.7	---	---	---	---	---	e29	57	e41	18	18	33
23	9.1	---	---	---	---	---	26	70	36	19	16	30
24	9.9	---	---	---	---	---	22	65	34	20	16	29
25	11	---	---	---	---	---	26	57	28	17	18	24
26	10	---	---	---	---	---	34	63	30	19	17	22
27	9.5	---	---	---	---	---	49	67	e31	21	16	20
28	8.1	---	---	---	---	---	61	65	e37	18	16	18
29	7.9	---	---	---	---	---	63	68	36	16	15	25
30	7.2	---	---	---	---	---	60	59	34	17	15	28
31	2.8	---	---	---	---	---	---	55	---	16	15	---
TOTAL	314.2	---	---	---	---	---	1,372	1,988	1,385	618	585	734
MEAN	10.1	---	---	---	---	---	45.7	64.1	46.2	19.9	18.9	24.5
MAX	17	---	---	---	---	---	63	94	59	34	40	57
MIN	2.8	---	---	---	---	---	22	46	28	15	11	13
AC-FT	623	---	---	---	---	---	2,720	3,940	2,750	1,230	1,160	1,460

e Estimated.

09144250 GUNNISON RIVER AT DELTA, CO

LOCATION.--Lat 38°45'11", long 108°04'40", in NW¹/₄NW¹/₄ sec.13, T.15 S., R.96 W., Delta County, Hydrologic Unit 14020005, in Confluence Park on left bank, 0.7 mi downstream from U.S. Highway 50 bridge at north edge of Delta.

DRAINAGE AREA.--5,628 mi².

PERIOD OF RECORD.--May 1976 to current year. Gage-height records collected at this site 1912-77 (flood seasons only) are in reports of the National Weather Service. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09144250

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,910 ft above NGVD of 1929, from topographic map. Prior to May 1976 nonrecording gage at site 0.7 mi upstream at datum 4.52 ft higher. June 1, 1976 to Mar. 19, 1998 water-stage recorder at site 0.7 mi upstream at datum 4.52 ft higher.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by transmountain and transbasin diversions, storage reservoirs, power developments, and many diversions for irrigation. Auxillary gage established 200 ft downstream from present site to collect streamflow data during bridge construction at principal site then in use, June 27, 1991 to September 30, 1992.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height observed, 13.5 ft, June 6, 1957, from National Weather Service wire-weight gage at site 0.7 mi upstream, at datum 4.52 ft higher (discharge not determined).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	511	528	511	472	463	499	1,160	1,150	1,010	716	744	666
2	536	511	510	476	450	488	1,230	1,000	933	647	740	667
3	595	519	503	502	455	492	1,310	1,040	1,030	576	747	718
4	638	514	491	476	469	490	1,290	1,260	1,240	555	728	848
5	621	476	493	420	463	490	1,690	1,520	1,410	559	724	930
6	610	469	499	437	442	477	1,710	1,960	1,540	507	753	920
7	619	476	502	485	436	471	1,580	2,200	1,640	576	724	892
8	602	479	521	531	452	470	1,760	2,300	1,580	688	712	817
9	569	467	515	492	447	480	2,040	2,310	1,440	724	705	804
10	563	508	486	506	442	519	2,110	2,400	1,260	755	688	810
11	578	525	468	501	451	539	1,850	2,470	1,080	822	661	805
12	591	508	491	491	456	553	1,660	2,200	901	824	675	767
13	599	513	466	489	462	572	1,470	1,910	844	792	708	782
14	589	530	473	489	477	589	1,360	1,620	852	816	716	745
15	589	545	522	491	479	591	1,330	1,360	916	831	719	658
16	592	528	467	473	473	582	1,110	1,240	944	834	726	649
17	578	520	461	455	472	561	1,110	1,320	914	860	733	653
18	566	515	474	451	484	576	1,090	1,470	855	908	767	661
19	553	491	495	444	495	597	1,010	1,810	818	877	745	753
20	542	487	482	454	520	680	866	2,210	789	750	762	884
21	548	495	487	451	519	809	795	2,090	855	734	724	1,270
22	550	503	495	449	531	930	795	1,980	895	724	722	1,200
23	556	480	480	447	519	1,150	851	1,690	740	736	714	1,040
24	549	440	464	450	508	1,320	795	1,490	628	833	683	961
25	577	455	463	464	506	1,520	766	1,420	604	853	663	989
26	556	496	477	465	502	1,630	741	1,360	640	838	641	967
27	575	487	477	465	498	1,540	720	1,330	668	827	644	940
28	584	456	443	471	544	1,340	873	1,350	642	834	663	919
29	564	465	464	457	532	1,160	971	1,450	669	786	674	1,040
30	571	503	479	456	---	1,100	1,220	1,410	645	736	663	1,360
31	584	---	475	472	---	1,040	---	1,190	---	727	660	---
TOTAL	17,855	14,889	15,034	14,582	13,947	24,255	37,263	51,510	28,982	23,245	21,928	26,115
MEAN	576	496	485	470	481	782	1,242	1,662	966	750	707	870
MAX	638	545	522	531	544	1,630	2,110	2,470	1,640	908	767	1,360
MIN	511	440	443	420	436	470	720	1,000	604	507	641	649
AC-FT	35,420	29,530	29,820	28,920	27,660	48,110	73,910	102,200	57,490	46,110	43,490	51,800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	1,318	1,420	1,481	1,467	1,496	1,751	2,297	4,274	3,743	2,016	1,147	1,169																		
MAX	2,833	3,156	3,103	3,349	3,381	3,744	6,641	11,090	13,520	10,110	2,752	2,496																		
(WY)	(1987)	(1987)	(1987)	(1985)	(1985)	(1997)	(1985)	(1984)	(1984)	(1995)	(1984)	(1986)																		
MIN	398	422	402	386	384	450	366	411	331	275	269	335																		
(WY)	(1978)	(2003)	(2003)	(2003)	(2003)	(2003)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)																		

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	306,383		289,605			
ANNUAL MEAN	839		791		1,982	
HIGHEST ANNUAL MEAN					4,670	
LOWEST ANNUAL MEAN					601	
HIGHEST DAILY MEAN	4,540	Jun 2	2,470	May 11	20,300	Jun 7, 1984
LOWEST DAILY MEAN	295	Apr 10	420	Jan 5	208	Aug 11, 1977
ANNUAL SEVEN-DAY MINIMUM	362	Feb 6	447	Feb 6	215	Aug 10, 1977
MAXIMUM PEAK FLOW			2,650	May 11	a25,500	Jun 7, 1984
MAXIMUM PEAK STAGE			3.47	May 11	a13.15	Jun 7, 1984
ANNUAL RUNOFF (AC-FT)	607,700		574,400		1,436,000	
10 PERCENT EXCEEDS	1,300		1,410		3,900	
50 PERCENT EXCEEDS	571		646		1,350	
90 PERCENT EXCEEDS	385		466		510	

a At site 0.7 mi upstream, at datum 4.52 ft higher.

09146020 UNCOMPAHGRE RIVER NEAR OURAY, CO

LOCATION.--Lat 38°02'36", long 107°40'57", in SE¹/₄SE¹/₄ sec.24, T.44 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank at downstream side of foot bridge, 0.4 mi downstream from Bridalveil Creek, and 1.6 mi north of Ouray.

DRAINAGE AREA.--77.0 mi².

PERIOD OF RECORD.--April 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09146020

GAGE.--Water-stage recorder with satellite telemetry, and crest-stage gage. Elevation of gage is 7,600 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for the period Dec. 3 to Feb. 10 which is fair and estimated daily discharges, which are poor. Slight regulation of low flow by power plant at Ouray. One small diversion above station for irrigation below station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	36	32	25	e19	20	96	109	324	190	80	32
2	88	41	30	25	e18	23	97	115	400	185	79	31
3	67	45	29	24	e19	23	98	158	484	169	77	33
4	66	39	29	25	e20	23	97	238	566	151	72	186
5	62	37	29	22	e20	21	116	311	611	138	83	85
6	61	36	29	26	e19	20	108	394	679	147	76	69
7	62	37	29	25	e21	24	120	465	781	150	67	61
8	58	37	29	24	e20	34	111	474	752	143	63	56
9	56	37	29	25	e19	44	113	489	637	139	60	53
10	57	38	31	26	e20	44	96	530	518	132	59	86
11	57	38	30	27	23	48	89	461	390	129	54	83
12	53	36	28	27	23	53	78	341	348	121	52	75
13	52	37	26	27	21	53	81	243	335	123	50	78
14	48	36	28	26	21	51	81	184	435	121	49	74
15	48	33	25	25	21	49	79	190	450	123	48	66
16	48	34	25	25	21	46	89	273	415	140	47	61
17	47	34	27	23	23	51	102	352	369	133	50	58
18	45	31	28	22	24	64	103	430	320	165	52	56
19	45	34	29	22	22	83	91	560	353	139	80	190
20	44	36	30	23	22	102	85	597	355	173	55	290
21	42	34	29	21	24	106	82	538	315	135	49	247
22	42	30	29	19	23	103	78	453	263	117	59	166
23	41	27	28	19	21	95	77	393	240	177	50	153
24	40	33	30	19	22	111	71	376	240	144	46	156
25	36	33	28	18	21	134	73	380	235	120	40	129
26	35	32	26	e17	22	124	82	402	218	119	39	106
27	39	30	27	e20	22	104	101	465	201	128	38	97
28	38	29	23	e19	20	80	113	552	194	121	37	103
29	38	29	24	e18	21	71	112	534	189	101	35	122
30	36	33	26	e19	---	72	101	351	179	86	33	101
31	35	---	25	e20	---	85	---	293	---	82	32	---
TOTAL	1,545	1,042	867	703	612	1,961	2,820	11,651	11,796	4,241	1,711	3,103
MEAN	49.8	34.7	28.0	22.7	21.1	63.3	94.0	376	393	137	55.2	103
MAX	88	45	32	27	24	134	120	597	781	190	83	290
MIN	35	27	23	17	18	20	71	109	179	82	32	31
AC-FT	3,060	2,070	1,720	1,390	1,210	3,890	5,590	23,110	23,400	8,410	3,390	6,150

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

	2001	2002	2003	2004	2001	2002	2003	2004	2001	2002	2003	2004
MEAN	46.2	32.0	24.9	20.8	19.6	42.9	92.7	342	311	103	58.0	82.6
MAX	53.8	34.7	28.0	22.7	21.1	63.3	98.9	408	393	138	76.4	110
(WY)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2003)	(2004)	(2001)	(2001)	(2003)
MIN	34.8	27.6	23.2	19.6	18.8	32.5	85.2	179	126	43.6	34.4	48.1
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2001)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	39,811		42,052			
ANNUAL MEAN	109		115		94.3	
HIGHEST ANNUAL MEAN					115	2004
LOWEST ANNUAL MEAN					59.1	2002
HIGHEST DAILY MEAN	1,100	May 29	781	Jun 7	1,100	May 29, 2003
LOWEST DAILY MEAN	15	Feb 10	e17	Jan 26	15	Feb 10, 2003
ANNUAL SEVEN-DAY MINIMUM	16	Feb 6	19	Jan 23	16	Feb 6, 2003
MAXIMUM PEAK FLOW			1,010	Jul 20	1,400	May 28, 2003
MAXIMUM PEAK STAGE			5.13	Jul 20	5.74	May 28, 2003
ANNUAL RUNOFF (AC-FT)	78,970		83,410		68,340	
10 PERCENT EXCEEDS	246		349		202	
50 PERCENT EXCEEDS	53		56		44	
90 PERCENT EXCEEDS	20		22		20	

e Estimated.

09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO

LOCATION.--Lat 38°11'02", long 107°44'43", in SW¹/₄NE¹/₄ sec.4, T.45 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank at downstream side of bridge, 0.2 mi downstream from Dry Creek, 0.5 mi upstream from Dallas Creek, and 2.3 mi north of Ridgway.

DRAINAGE AREA.--149 mi²

PERIOD OF RECORD.--October 1958 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09146200

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 6,877.58 ft above NGVD of 1929, (levels by U.S. Bureau of Reclamation).

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	62	62	48	43	48	125	145	405	296	160	66
2	115	64	60	49	42	49	127	148	453	294	161	66
3	102	73	57	50	43	49	129	173	520	276	157	67
4	100	64	57	48	43	49	135	246	594	259	143	217
5	94	62	57	47	44	50	209	312	634	234	145	133
6	91	62	58	51	43	49	156	386	679	231	145	100
7	91	63	58	45	44	51	163	444	771	220	133	88
8	87	63	59	45	43	57	168	459	817	204	123	83
9	86	63	55	46	43	68	197	460	749	203	117	81
10	85	66	55	47	44	79	164	518	664	199	100	97
11	85	65	54	47	46	82	154	505	520	190	95	105
12	82	64	54	48	43	95	136	413	465	180	94	101
13	82	65	55	47	43	102	132	311	443	181	91	98
14	76	64	53	48	43	101	135	243	522	182	90	86
15	77	61	54	47	46	104	131	222	568	178	88	83
16	76	61	51	46	43	97	148	285	511	212	87	81
17	73	62	59	45	43	99	158	387	487	261	92	79
18	71	58	59	45	46	120	164	429	435	294	98	79
19	70	60	56	45	46	141	147	541	451	266	111	179
20	69	62	55	44	46	156	134	593	456	280	115	305
21	67	62	55	43	47	173	130	553	431	313	102	283
22	66	61	55	43	48	167	127	485	381	265	108	221
23	65	54	53	46	46	151	131	436	323	305	101	191
24	64	62	60	46	47	153	122	419	291	312	96	179
25	63	60	51	43	47	175	120	423	295	251	89	163
26	60	60	51	43	47	173	120	434	345	243	84	149
27	63	57	50	44	48	162	140	477	331	252	80	138
28	63	58	47	44	50	132	156	550	312	233	81	134
29	63	56	51	42	49	115	156	603	303	198	78	152
30	61	59	48	42	---	110	148	445	295	181	73	148
31	60	---	48	43	---	115	---	387	---	170	68	---
TOTAL	2,390	1,853	1,697	1,417	1,306	3,272	4,362	12,432	14,451	7,363	3,305	3,952
MEAN	77.1	61.8	54.7	45.7	45.0	106	145	401	482	238	107	132
MAX	115	73	62	51	50	175	209	603	817	313	161	305
MIN	60	54	47	42	42	48	120	145	291	170	68	66
AC-FT	4,740	3,680	3,370	2,810	2,590	6,490	8,650	24,660	28,660	14,600	6,560	7,840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2004, BY WATER YEAR (WY)

MEAN	87.6	67.0	51.9	44.6	45.3	60.3	112	327	574	324	156	109
MAX	153	94.4	67.3	61.5	61.5	106	188	765	914	848	313	250
(WY)	(1985)	(1971)	(1971)	(1997)	(1995)	(2004)	(1985)	(1984)	(1984)	(1983)	(1995)	(1970)
MIN	57.3	48.8	35.8	33.1	32.0	40.5	67.5	122	149	57.1	47.5	52.9
(WY)	(2002)	(1990)	(1977)	(1977)	(1990)	(1964)	(1973)	(1977)	(2002)	(2002)	(2002)	(1959)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1959 - 2004

ANNUAL TOTAL	49,672	57,800		
ANNUAL MEAN	136	158	164	
HIGHEST ANNUAL MEAN			270	1984
LOWEST ANNUAL MEAN			72.6	1977
HIGHEST DAILY MEAN	1,220	May 29	817	Jun 8
LOWEST DAILY MEAN	33	Mar 2	42	Jan 29
ANNUAL SEVEN-DAY MINIMUM	34	Feb 28	43	Jan 29
MAXIMUM PEAK FLOW			990	Jun 8
MAXIMUM PEAK STAGE			4.45	Jun 8
ANNUAL RUNOFF (AC-FT)	98,520	114,600	118,500	
10 PERCENT EXCEEDS	286	425	423	
50 PERCENT EXCEEDS	82	94	79	
90 PERCENT EXCEEDS	37	46	43	

a From rating curve extended above 1800 ft³/s.

09147000 DALLAS CREEK NEAR RIDGWAY, CO

LOCATION.--Lat 38°10'40", long 107°45'28", on line between sec.4 and 5, T.45 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 20 ft downstream from county road bridge, 1.5 mi upstream from mouth, and 1.5 mi northwest of Ridgway.

DRAINAGE AREA.--97.2 mi².

PERIOD OF RECORD.--March 1922 to October 1927, October 1955 to September 1971, October 1979 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09147000

REVISED RECORDS.--WSP 1924: 1960. WDR CO-88-2: Drainage area.

GAGE.--Water stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,980 ft above NGVD of 1929, from topographic map. Mar. 1, 1922 to Oct. 31, 1927, nonrecording gage at different datum.

REMARKS.--Records good except for June 4-30 and July 12-29, which are fair, and estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 4,500 acres upstream from and 700 acres downstream from station. One small ditch imports water from Leopard Creek (Dolores River Basin) to drainage upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	28	e25	e17	e14	17	40	22	8.0	17	14	8.2
2	21	29	25	e17	e13	16	41	20	8.0	16	15	7.8
3	25	33	e24	e17	e13	17	35	18	13	15	15	4.8
4	24	27	e23	e17	e14	16	40	16	33	15	13	14
5	24	26	e22	e16	e14	16	64	13	43	11	18	13
6	22	26	20	e18	e13	16	46	11	59	7.6	16	8.8
7	21	26	20	e16	e14	18	60	11	77	9.1	14	9.6
8	22	25	20	e15	e13	20	55	20	105	9.9	13	11
9	26	25	20	e16	e12	22	78	23	97	9.8	11	11
10	24	28	e19	e18	e14	25	68	27	56	12	10	16
11	24	27	e19	e17	e16	27	64	27	48	13	7.1	19
12	23	28	e18	e18	e16	30	50	18	35	18	7.0	17
13	24	28	e17	e18	e16	33	39	7.6	31	16	6.0	21
14	25	29	e19	e18	e16	32	36	4.4	35	20	6.7	25
15	27	29	e17	e17	e16	34	31	3.4	40	21	3.6	25
16	24	30	e18	e16	e16	26	28	3.4	31	28	3.2	24
17	28	30	e19	e16	e16	25	27	5.5	27	39	5.3	23
18	27	28	e20	e16	12	25	28	3.4	23	42	6.8	25
19	27	31	e20	e15	11	29	23	7.3	21	49	12	40
20	27	29	e18	e14	11	36	20	13	20	34	14	68
21	27	28	e18	e14	13	40	19	12	22	39	13	86
22	24	e25	e17	e13	14	47	23	13	18	34	14	64
23	23	e24	e17	e15	14	48	25	11	11	32	12	48
24	23	e26	e17	e15	14	72	27	8.1	12	39	10	39
25	22	27	e18	e13	15	76	29	8.4	18	40	10	38
26	21	28	e17	e13	17	64	24	9.9	26	29	10	36
27	23	e25	e17	e14	17	51	23	11	15	42	11	36
28	25	e25	e16	e14	18	38	23	9.5	15	35	9.9	38
29	24	e25	e16	e12	19	34	19	19	16	20	7.7	43
30	25	e25	e17	e12	---	31	22	16	18	17	5.7	43
31	28	---	e17	e13	---	35	---	10	---	15	6.2	---
TOTAL	744	820	590	480	421	1,016	1,107	401.9	981.0	744.4	320.2	862.2
MEAN	24.0	27.3	19.0	15.5	14.5	32.8	36.9	13.0	32.7	24.0	10.3	28.7
MAX	28	33	25	18	19	76	78	27	105	49	18	86
MIN	14	24	16	12	11	16	19	3.4	8.0	7.6	3.2	4.8
AC-FT	1,480	1,630	1,170	952	835	2,020	2,200	797	1,950	1,480	635	1,710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

	MEAN	25.5	24.4	20.1	17.8	18.6	25.7	57.0	48.3	58.9	71.6	56.7	39.4
MAX	65.1	39.1	33.9	32.0	32.0	59.4	183	249	171	230	141	117	
(WY)	(1985)	(1926)	(1924)	(1924)	(1924)	(1985)	(1985)	(1984)	(1984)	(1983)	(1983)	(1927)	
MIN	2.07	14.4	13.4	9.61	11.9	14.8	4.13	0.67	1.49	0.75	3.95	2.58	
(WY)	(1957)	(1957)	(1994)	(1980)	(1994)	(1980)	(1990)	(1981)	(2002)	(2002)	(2002)	(1956)	

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1922 - 2004	
ANNUAL TOTAL	9,470.0		8,487.7			
ANNUAL MEAN	25.9		23.2		38.5	
HIGHEST ANNUAL MEAN					86.4	
LOWEST ANNUAL MEAN					13.8	
HIGHEST DAILY MEAN	192	Sep 10	105	Jun 8	740	May 3, 1924
LOWEST DAILY MEAN	1.8	May 20	3.2	Aug 16	0.21	Jun 19, 1981
ANNUAL SEVEN-DAY MINIMUM	2.1	May 12	5.0	May 13	0.38	May 11, 1981
MAXIMUM PEAK FLOW			156	Jun 9	a3,960	Jul 31, 1999
MAXIMUM PEAK STAGE			b,c,3.65	Jun 9	d8.42	Jul 31, 1999
ANNUAL RUNOFF (AC-FT)	18,780		16,840		27,890	
10 PERCENT EXCEEDS	47		40		87	
50 PERCENT EXCEEDS	22		19		24	
90 PERCENT EXCEEDS	12		10		11	

e Estimated.

a On basis of slope-area measurement of peak flow.

b From crest-stage gage.

c Maximum gage height, 4.38 ft, Dec 18, backwater from ice.

d From high water mark.

09147025 UNCOMPAHGRE RIVER BELOW RIDGWAY RESERVOIR, CO

LOCATION.--Lat 38°14'17", long 107°45'31", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.46 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 1,600 ft upstream from Fisher Creek, 800 ft downstream from Ridgway Reservoir gate house, and 5.4 mi north of Ridgway.

DRAINAGE AREA.--265 mi².

PERIOD OF RECORD.--October 1988 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09147025

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,650 ft above NGVD of 1929, from topographic map.

REMARKS.-- No estimated daily discharges. Records good. Diversions for irrigation by means of numerous canals downstream from station. Flow regulated by Ridgway Reservoir (capacity 84,591 acre-ft).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	45	48	45	46	46	211	279	377	264	317	236
2	221	45	48	46	46	45	278	279	377	264	318	236
3	238	46	48	46	46	45	274	279	377	264	317	236
4	237	46	48	46	46	45	270	277	378	266	316	236
5	236	46	48	46	46	45	279	275	383	269	318	236
6	236	46	48	46	46	45	284	274	383	298	316	236
7	236	46	48	46	46	45	284	274	383	315	317	205
8	236	46	49	46	46	45	284	274	383	315	318	188
9	236	46	48	46	46	45	284	274	384	343	319	133
10	236	46	48	45	46	45	284	274	388	371	320	99
11	236	46	47	45	46	45	284	274	428	371	320	99
12	236	46	44	45	46	45	284	328	453	371	345	99
13	236	46	43	45	46	45	284	372	453	371	359	99
14	236	46	43	45	46	45	284	428	413	371	359	99
15	236	46	43	45	46	45	284	460	386	371	360	98
16	236	46	43	45	46	45	283	461	389	370	360	97
17	236	46	42	45	45	46	282	460	389	369	360	97
18	240	47	42	45	45	60	280	421	389	369	336	97
19	241	48	41	45	45	90	279	370	389	366	322	95
20	241	48	41	46	46	110	279	369	389	366	322	95
21	241	48	41	46	45	111	279	367	390	366	323	94
22	241	48	43	46	46	111	279	367	344	366	324	96
23	241	48	42	45	45	111	279	366	289	366	286	97
24	166	48	41	45	45	111	279	366	290	366	233	97
25	45	48	41	46	45	111	279	372	333	366	214	97
26	45	48	42	46	45	111	279	372	354	334	215	97
27	45	48	42	47	45	111	279	375	354	315	245	97
28	45	48	42	46	46	111	279	377	326	315	263	97
29	45	48	44	46	45	111	279	377	279	315	262	97
30	45	48	46	46	---	89	279	377	261	315	247	97
31	45	---	46	46	---	91	---	377	---	316	236	---
TOTAL	5,880	1,403	1,380	1,414	1,324	2,206	8,345	10,795	11,111	10,404	9,467	3,982
MEAN	190	46.8	44.5	45.6	45.7	71.2	278	348	370	336	305	133
MAX	241	48	49	47	46	111	284	461	453	371	360	236
MIN	45	45	41	45	45	45	211	274	261	264	214	94
AC-FT	11,660	2,780	2,740	2,800	2,630	4,380	16,550	21,410	22,040	20,640	18,780	7,900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	129	78.8	68.0	56.6	57.5	81.5	227	324	410	389	316	192
MAX	307	165	105	76.5	93.9	179	560	510	652	846	535	456
(WY)	(1998)	(1999)	(1993)	(1997)	(1997)	(1995)	(1997)	(1997)	(1999)	(1995)	(1992)	(1999)
MIN	55.4	31.1	30.7	30.0	30.0	28.9	36.8	159	199	154	131	68.1
(WY)	(1991)	(2003)	(2003)	(2003)	(2003)	(2003)	(1990)	(1989)	(1989)	(2002)	(2002)	(1993)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1989 - 2004
ANNUAL TOTAL	55,132	67,711	
ANNUAL MEAN	151	185	195
HIGHEST ANNUAL MEAN			311
LOWEST ANNUAL MEAN			114
HIGHEST DAILY MEAN	1,060	461	1,110
LOWEST DAILY MEAN	28	41	a28
ANNUAL SEVEN-DAY MINIMUM	28	41	28
MAXIMUM PEAK FLOW		467	1,160
MAXIMUM PEAK STAGE		2.79	b3.56
ANNUAL RUNOFF (AC-FT)	109,400	134,300	141,100
10 PERCENT EXCEEDS	297	371	444
50 PERCENT EXCEEDS	56	189	109
90 PERCENT EXCEEDS	29	45	45

a Also occurred Mar 8-16, 23, 31, Apr 1, 8-18, 2003.

b Maximum gage height, 3.63 ft, Jul 10, 1995.

09147500 UNCOMPAHGRE RIVER AT COLONA, CO

LOCATION.--Lat. 38°19'53", long 107°46'44", in NW¼NW¼ sec.17, T.47 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 75 ft downstream from county highway crossing, 0.2 mi north of Colona, and 1.0 mi upstream from Beaton Creek.

DRAINAGE AREA.--448 mi².

PERIOD OF RECORD.--April 1903 to November 1905, April to June 1906 (gage heights and discharge measurements only), October 1912 to current year. Monthly discharge only for some periods, published in WSP 1313, Published as "near Colona" 1904-06, 1922-34. Statistical summary computed for 1986 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09147500

REVISED RECORDS.--WSP 1313: 1904. WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,318.80 ft above NGVD of 1929. See WSP 1713 or 1733 for history of changes prior to Sept. 30, 1949.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Ridgway Reservoir, 7.7 mi upstream, since 1986, total capacity 84,590 acre-ft. Diversions upstream from station for irrigation of about 2,600 acres downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	59	61	54	53	55	320	319	428	238	256	168
2	279	60	60	55	57	55	400	321	456	232	258	163
3	313	65	59	55	52	55	389	338	512	228	258	161
4	312	62	58	52	52	57	377	383	558	227	256	194
5	297	61	58	53	52	57	441	406	563	225	261	211
6	291	61	58	69	52	56	408	431	615	249	264	198
7	293	62	58	57	50	58	411	474	673	266	267	167
8	272	61	60	55	54	63	429	486	719	262	265	137
9	263	61	58	57	53	73	468	476	680	280	266	110
10	267	64	55	57	51	83	417	517	633	311	265	84
11	295	63	57	56	54	81	383	518	580	307	259	80
12	290	62	54	58	61	87	363	486	582	305	278	79
13	291	62	51	58	52	90	357	463	563	304	305	81
14	290	61	54	58	54	87	372	462	600	306	297	79
15	307	61	51	55	57	83	368	483	572	307	289	78
16	323	59	57	53	54	81	384	524	540	308	291	77
17	331	60	59	52	55	82	402	594	533	307	296	78
18	325	58	55	55	56	134	401	573	478	312	279	80
19	330	58	54	55	57	199	367	603	469	315	262	88
20	320	60	55	52	55	221	341	663	468	309	259	100
21	311	60	55	53	56	241	330	614	457	311	262	108
22	309	60	54	57	55	249	329	594	393	310	268	114
23	298	55	55	57	55	234	325	543	310	313	229	113
24	224	54	54	57	55	237	314	528	294	323	172	113
25	64	62	55	53	55	261	318	516	325	318	150	108
26	60	61	53	65	55	267	313	510	367	289	149	104
27	60	58	51	52	55	257	319	521	374	270	173	102
28	61	56	52	56	57	223	334	574	329	272	195	103
29	58	60	53	56	55	206	331	620	273	265	195	104
30	58	61	53	55	---	183	339	495	244	256	185	101
31	58	---	54	53	---	188	---	440	---	255	172	---
TOTAL	7,424	1,807	1,721	1,730	1,579	4,303	11,050	15,475	14,588	8,780	7,581	3,483
MEAN	239	60.2	55.5	55.8	54.4	139	368	499	486	283	245	116
MAX	331	65	61	69	61	267	468	663	719	323	305	211
MIN	58	54	51	52	50	55	313	319	244	225	149	77
AC-FT	14,730	3,580	3,410	3,430	3,130	8,540	21,920	30,690	28,940	17,420	15,040	6,910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2004, BY WATER YEAR (WY)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	153	100	83.2	73.6	74.3	110	286	501	601	414	283	187							
MAX	353	214	132	105	121	213	683	926	1,066	1,226	598	495							
(WY)	(1998)	(1999)	(1993)	(1986)	(1997)	(1997)	(1997)	(1987)	(1995)	(1995)	(1999)	(1999)							
MIN	51.6	39.5	34.5	31.8	31.9	44.5	62.6	160	184	141	114	52.3							
(WY)	(1990)	(2003)	(2003)	(2003)	(2003)	(2003)	(1990)	(1988)	(2002)	(2002)	(2002)	(1989)							

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1986 - 2004	
ANNUAL TOTAL	65,162		79,521			
ANNUAL MEAN	179		217		a240	
HIGHEST ANNUAL MEAN					396	
LOWEST ANNUAL MEAN					116	
HIGHEST DAILY MEAN	1,540	May 30	719	Jun 8	1,900	Jul 11, 1995
LOWEST DAILY MEAN	29	Feb 23	50	Feb 7	b25	Apr 28, 1990
ANNUAL SEVEN-DAY MINIMUM	30	Feb 22	52	Feb 4	29	Sep 24, 1989
MAXIMUM PEAK FLOW			865	Jun 8	c2,230	Jul 12, 1995
MAXIMUM PEAK STAGE			3.06	Jun 8	4.76	Jul 12, 1995
ANNUAL RUNOFF (AC-FT)	129,200		157,700		173,600	
10 PERCENT EXCEEDS	322		477		561	
50 PERCENT EXCEEDS	89		194		126	
90 PERCENT EXCEEDS	31		54		56	

a Average discharge for 76 years (water years 1904-1905, 1913-1986), 271 ft³/s, 196,300 acre-ft/yr, prior to completion of Ridgway Reservoir.

b Minimum daily discharge for period of record, 12 ft³/s, Sep 19, 1956, and May 7, 1967.

c Maximum discharge for period of record, 4,080 ft³/s, June 13-14, 1921, gage height unknown.

09149500 UNCOMPAHGRE RIVER AT DELTA, CO

LOCATION.--Lat 38°44'31", long 108°04'49", in SW¹/₄SW¹/₄ sec.13, T.15 S., R.96 W., Delta County, Hydrologic Unit 14020006, on right bank 525 ft downstream from 5th Street bridge at west edge of Delta and 1.1 mi upstream from mouth.

DRAINAGE AREA.--1,115 mi².

PERIOD OF RECORD.--April 1903 to October 1931 (no winter records in most years), September 1938 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Delta" 1907-24. Statistical summary computed for 1939 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09149500

REVISED RECORDS.--WSP 1243: 1904. WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,926.49 ft above NGVD of 1929. Feb. 18, 1960 to Mar. 26, 1963, water-stage recorder at site 750 ft upstream at datum 3.43 ft higher. Mar. 27, 1963 to May 12, 1965, water-stage recorder at site 1,050 ft upstream at datum 6.08 ft higher. See WSP 1733 or 1924 for history of changes prior to Feb. 18, 1960.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by water diverted from Gunnison River (see record of diversion through Gunnison Tunnel published with station 09128000) and other adjacent basins. Flow regulated by Ridgway Reservoir, since 1986, total capacity 84,590 acre-ft. Diversions for irrigation of about 90,000 acres upstream from station and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	260	340	244	185	156	161	e168	343	150	176	204	233
2	296	316	243	188	151	156	e237	315	142	170	224	222
3	389	337	238	200	157	155	278	283	164	149	224	224
4	411	370	234	191	159	157	311	275	209	140	221	346
5	399	349	231	174	157	159	589	316	373	148	225	502
6	402	342	234	e182	150	155	566	354	440	133	254	427
7	372	335	230	e190	147	154	352	310	365	130	251	419
8	347	329	237	e188	155	157	541	322	329	139	250	438
9	322	326	234	181	143	164	538	309	222	138	229	437
10	316	331	219	201	146	175	729	303	188	143	208	425
11	318	326	218	185	147	179	518	241	145	168	191	421
12	316	315	213	181	147	178	439	244	153	168	153	403
13	313	317	205	180	148	179	335	249	149	131	180	403
14	316	314	209	189	148	176	274	201	161	125	200	338
15	332	304	221	183	158	176	210	194	153	128	198	316
16	330	295	199	177	149	176	251	178	175	126	200	332
17	309	290	e198	174	150	172	256	188	194	144	212	338
18	313	283	e202	169	153	178	289	191	179	175	271	326
19	310	280	210	168	163	245	269	226	173	163	268	405
20	315	281	205	172	173	201	177	304	153	149	295	517
21	308	282	206	168	173	209	168	272	146	155	305	739
22	306	273	206	159	178	224	178	177	149	152	370	1,070
23	314	265	194	158	172	153	305	160	138	162	389	869
24	320	255	192	161	167	216	295	154	119	232	323	737
25	286	266	190	164	168	293	321	165	118	243	261	674
26	279	265	193	151	168	351	219	167	159	234	218	640
27	305	256	188	160	170	340	189	180	202	234	200	617
28	366	243	179	161	189	304	173	191	190	242	260	592
29	408	247	174	157	174	248	172	263	192	212	277	574
30	400	247	199	158	---	201	333	259	184	208	269	582
31	367	---	191	156	---	170	---	201	---	194	233	---
TOTAL	10,345	8,979	6,536	5,411	4,616	6,162	9,680	7,535	5,814	5,211	7,563	14,566
MEAN	334	299	211	175	159	199	323	243	194	168	244	486
MAX	411	370	244	201	189	351	729	354	440	243	389	1,070
MIN	260	243	174	151	143	153	168	154	118	125	153	222
AC-FT	20,520	17,810	12,960	10,730	9,160	12,220	19,200	14,950	11,530	10,340	15,000	28,890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	404	258	170	141	135	166	303	492	542	312	289	393
MAX	844	442	294	223	222	367	1,107	2,542	1,763	1,170	959	944
(WY)	(1998)	(1999)	(1999)	(1999)	(1997)	(1997)	(1985)	(1984)	(1984)	(1983)	(1999)	(1961)
MIN	131	125	111	70.9	66.5	80.7	51.8	92.2	82.3	82.3	93.7	123
(WY)	(1978)	(1950)	(1943)	(1943)	(1943)	(1951)	(2003)	(2002)	(2002)	(2002)	(1956)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1939 - 2004
ANNUAL TOTAL	73,829	92,418	
ANNUAL MEAN	202	253	301
HIGHEST ANNUAL MEAN			688
LOWEST ANNUAL MEAN			155
HIGHEST DAILY MEAN	1,230	Sep 10	4,520
LOWEST DAILY MEAN	15	Apr 12	a15
ANNUAL SEVEN-DAY MINIMUM	23	Apr 7	23
MAXIMUM PEAK FLOW		1,140	b5,800
MAXIMUM PEAK STAGE		5.53	8.85
ANNUAL RUNOFF (AC-FT)	146,400	183,300	218,000
10 PERCENT EXCEEDS	344	378	595
50 PERCENT EXCEEDS	150	212	205
90 PERCENT EXCEEDS	78	153	108

e Estimated.

a Minimum daily discharge for period of record, no flow at times in 1908. Minimum daily determined since beginning of diversion through Gunnison Tunnel, 7.0 ft³/s, Jul 10-15, 17, 21, 24-28, 1910.

b From rating curve extended above 3,400 ft³/s.

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO

LOCATION.--Lat 38°59'00", long 108°27'00", in NE¹/₄SW¹/₄ of sec.14, T.2 S., R.1 E., Ute Meridian, Mesa County, Hydrologic Unit 14020005, on right bank 180 ft upstream from bridge on State Highway 141, 0.4 mi downstream from Whitewater Creek, 0.5 mi south of Whitewater, and 8 mi southeast of Grand Junction.

DRAINAGE AREA.--7,928 mi².

PERIOD OF RECORD.--October 1894 to December 1895 (gage heights only), October 1896 to September 1899, October 1901 to October 1906, October 1916 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at Whitewater" 1901-06. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09152500

REVISED RECORDS.--WSP 509: Drainage area at former site. WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 4,628.12 ft above NGVD of 1929. See WSP 1733 or 1924 for history of changes prior to October 1959.

REMARKS.--Records good except for estimated daily discharge, which are poor. Records show flow that enters Colorado River from Gunnison River Basin except for about 60 ft³/s diverted downstream from gage during irrigation season. Natural flow of river affected by diversions for irrigation of about 233,000 acres upstream from station, storage reservoirs, and return flow from irrigated lands.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	901	1,110	828	e704	e661	720	1,440	2,250	1,450	992	1,020	1,010
2	908	980	830	e701	e648	686	1,670	1,930	1,260	983	1,050	1,010
3	1,070	974	823	e716	e640	689	1,890	1,900	1,230	886	1,050	1,040
4	1,170	1,010	807	e727	e660	690	2,050	2,080	1,470	823	1,040	1,220
5	1,210	978	797	633	e663	687	2,760	2,540	1,750	827	1,000	1,670
6	1,190	948	800	546	e627	674	3,020	2,900	2,080	819	1,050	1,640
7	1,190	954	812	e663	e615	665	2,570	3,150	2,160	775	1,090	1,540
8	1,140	947	814	e721	e644	663	2,920	3,240	2,080	870	1,060	1,500
9	1,100	929	832	e761	e625	671	2,970	3,300	1,880	934	1,050	e1,490
10	1,060	941	790	e713	e613	699	3,470	3,320	1,650	971	1,010	e1,460
11	1,050	982	761	e735	e613	731	3,100	3,480	1,460	1,040	942	e1,410
12	1,080	946	757	e724	e616	749	2,720	3,320	1,220	1,090	903	1,410
13	1,080	953	744	e713	e627	760	2,400	2,920	1,110	1,050	930	1,410
14	1,080	960	731	e704	e639	782	2,160	2,500	1,050	993	982	1,370
15	1,120	973	773	e717	e672	791	2,050	2,080	1,110	1,020	989	1,240
16	1,100	945	746	e732	e687	785	1,940	1,870	1,170	1,030	1,010	1,210
17	1,090	917	656	e723	e679	778	1,860	1,870	1,200	1,050	1,020	1,220
18	1,070	909	e697	e710	684	768	1,920	2,080	1,190	1,130	1,100	1,210
19	1,060	879	e729	e685	708	814	1,940	2,330	1,120	1,160	1,200	1,290
20	1,060	866	e755	e663	735	897	1,600	2,870	1,070	1,040	1,190	1,640
21	1,050	876	e738	e672	744	987	1,360	2,910	1,050	964	1,220	2,090
22	1,070	870	760	e686	760	1,180	1,400	2,620	1,150	951	1,260	2,770
23	1,080	859	759	676	756	1,310	1,590	2,310	1,090	961	1,280	2,400
24	1,090	806	733	664	724	1,610	1,590	1,980	897	1,080	1,220	2,080
25	1,090	795	724	e657	717	1,960	1,470	1,810	820	1,200	1,090	1,950
26	1,070	837	739	652	708	2,230	1,360	1,770	856	1,180	1,020	1,910
27	1,100	858	739	e656	711	2,250	1,290	1,680	959	1,160	986	1,870
28	1,170	815	691	e651	749	2,100	1,460	1,720	997	1,220	1,040	1,820
29	1,200	786	632	e661	774	1,780	1,720	1,810	979	1,170	1,090	1,870
30	1,180	806	e694	e649	---	1,550	2,120	2,030	989	1,070	1,090	2,070
31	1,230	---	e709	e653	---	1,430	---	1,760	---	1,040	1,030	---
TOTAL	34,059	27,409	23,400	21,268	19,699	33,086	61,810	74,330	38,497	31,479	33,012	47,820
MEAN	1,099	914	755	686	679	1,067	2,060	2,398	1,283	1,015	1,065	1,594
MAX	1,230	1,110	832	761	774	2,250	3,470	3,480	2,160	1,220	1,280	2,770
MIN	901	786	632	546	613	663	1,290	1,680	820	775	903	1,010
AC-FT	67,560	54,370	46,410	42,190	39,070	65,630	122,600	147,400	76,360	62,440	65,480	94,850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2004, BY WATER YEAR (WY)

MEAN	1,473	1,446	1,342	1,255	1,254	1,443	3,046	7,270	6,834	2,497	1,389	1,385
MAX	3,479	3,303	3,225	3,515	3,844	4,114	9,184	18,870	19,630	11,950	3,639	4,959
(WY)	(1987)	(1987)	(1987)	(1974)	(1974)	(1997)	(1942)	(1920)	(1957)	(1995)	(1957)	(1929)
MIN	268	497	500	500	500	500	580	698	577	165	153	267
(WY)	(1935)	(1899)	(1899)	(1899)	(1899)	(1903)	(1977)	(1977)	(1934)	(1934)	(1934)	(1934)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1897 - 2004

ANNUAL TOTAL	434,915	445,869		
ANNUAL MEAN	1,192	1,218	2,556	
HIGHEST ANNUAL MEAN			5,187	1984
LOWEST ANNUAL MEAN			838	1934
HIGHEST DAILY MEAN	5,580	Jun 2	35,200	May 23, 1920
LOWEST DAILY MEAN	479	Apr 10	106	Jul 20, 1934
ANNUAL SEVEN-DAY MINIMUM	571	Feb 6	116	Jul 14, 1934
MAXIMUM PEAK FLOW			3,790	May 11
MAXIMUM PEAK STAGE			5.06	May 11
ANNUAL RUNOFF (AC-FT)	862,700	884,400	1,852,000	
10 PERCENT EXCEEDS	1,840	2,080	5,980	
50 PERCENT EXCEEDS	966	1,040	1,360	
90 PERCENT EXCEEDS	605	682	703	

e Estimated.

a Site and datum then in use, from rating curve extended above 22,000 ft³/s.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE

LOCATION.--Lat 39°07'58", long 109°01'35", in SE¼NW¼ sec.5, T.11 S., R.104 W., Mesa County, Hydrologic Unit 14010005, on right bank 0.5 mi downstream from McDonald Creek, 1.7 mi upstream from Colorado-Utah State line, and 12 mi southwest of Mack.

DRAINAGE AREA.--17,843 mi².

PERIOD OF RECORD.--May 1951 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09163500

REVISED RECORDS.--WRD Colo. 1974: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,325 ft above NGVD of 1929, from topographic map. May 1951 to October 1979, water-stage recorder at site 5.7 mi upstream at different datum. October 1979 to March 1995, water stage recorder at site 0.2 mi downstream at same datum.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversions for irrigation. (Records include all return flow from irrigated areas).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,920	3,270	2,590	2,350	2,210	2,310	3,300	4,320	5,910	3,710	2,460	2,210
2	2,890	3,180	2,720	2,470	2,170	2,150	3,280	4,140	5,060	4,190	2,470	2,170
3	2,990	3,050	2,740	2,570	2,040	2,080	3,520	3,870	4,580	3,820	2,400	2,200
4	3,230	2,960	2,630	2,530	2,100	2,090	4,010	3,930	4,730	3,560	2,340	2,510
5	3,390	3,060	2,560	2,250	2,110	2,160	4,510	4,660	5,540	3,330	2,430	3,730
6	3,410	2,920	2,490	1,640	2,110	2,170	5,180	5,730	6,440	3,060	2,670	3,730
7	3,350	3,060	2,490	1,370	2,000	2,050	4,920	6,990	7,530	2,850	2,680	3,590
8	3,310	3,090	2,630	2,110	1,910	2,030	5,010	7,970	8,220	2,700	2,600	3,500
9	3,200	2,870	2,630	2,420	1,950	2,080	5,110	8,540	8,390	2,740	2,510	3,300
10	3,130	2,980	2,570	2,540	1,990	2,140	5,590	8,760	7,980	2,710	2,340	3,240
11	3,120	3,120	2,430	2,340	1,980	2,260	5,840	8,960	7,410	2,630	2,200	3,180
12	3,170	2,990	2,280	2,250	1,930	2,300	5,180	9,230	6,400	2,610	2,030	3,160
13	3,300	2,880	2,320	1,970	1,840	2,350	4,530	8,540	5,480	2,520	2,080	3,060
14	3,360	2,910	2,310	1,770	1,850	2,340	4,010	7,370	4,860	2,340	2,080	2,970
15	3,360	2,920	2,360	1,940	1,850	2,390	3,700	6,200	4,860	2,220	2,150	2,810
16	3,410	2,860	2,530	2,180	2,020	2,430	3,550	5,360	5,330	2,340	2,150	2,720
17	3,360	2,780	2,230	2,290	2,080	2,420	3,260	5,030	5,410	2,740	2,190	2,740
18	3,320	2,760	1,990	2,330	2,080	2,340	3,320	5,180	5,290	3,170	2,300	2,760
19	3,270	2,720	2,100	2,240	2,170	2,290	3,610	5,630	5,070	3,410	2,570	3,020
20	3,230	2,650	2,290	2,230	2,330	2,430	3,430	6,840	4,920	3,270	2,660	3,800
21	3,220	2,680	2,390	2,260	2,320	2,610	3,000	8,290	4,870	3,090	2,940	4,250
22	3,240	2,720	2,470	2,250	2,300	3,060	2,990	8,390	4,830	2,870	3,100	5,560
23	3,190	2,720	2,560	2,160	2,290	3,320	3,580	8,010	4,720	2,760	3,160	5,300
24	3,160	2,620	2,520	2,020	2,270	3,640	3,570	7,130	3,940	2,660	3,000	4,520
25	3,220	2,370	2,300	2,030	2,190	3,930	3,260	6,660	3,540	2,850	2,770	4,020
26	3,190	2,290	2,210	1,920	2,250	4,350	3,150	6,320	3,490	3,030	2,560	3,930
27	3,170	2,640	2,250	1,880	2,210	4,820	2,920	6,070	3,660	2,890	2,380	3,710
28	3,240	2,630	2,340	2,040	2,330	4,810	2,770	6,150	3,700	2,970	2,290	3,450
29	3,190	2,530	2,040	2,080	2,450	4,380	3,020	6,380	3,630	2,890	2,380	3,490
30	3,160	2,440	1,960	2,230	---	3,840	3,870	7,410	3,490	2,710	2,460	3,880
31	3,220	---	2,190	2,280	---	3,500	---	7,000	---	2,550	2,330	---
TOTAL	99,920	84,670	74,120	66,940	61,330	87,070	116,990	205,060	159,280	91,190	76,680	102,510
MEAN	3,223	2,822	2,391	2,159	2,115	2,809	3,900	6,615	5,309	2,942	2,474	3,417
MAX	3,410	3,270	2,740	2,570	2,450	4,820	5,840	9,230	8,390	4,190	3,160	5,560
MIN	2,890	2,290	1,960	1,370	1,840	2,030	2,770	3,870	3,490	2,220	2,030	2,170
AC-FT	198,200	167,900	147,000	132,800	121,600	172,700	232,000	406,700	315,900	180,900	152,100	203,300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	3,973	3,980	3,548	3,325	3,382	3,825	5,751	13,780	16,610	7,551	3,871	3,678
MAX	7,672	6,925	5,993	6,129	5,996	7,486	15,600	37,960	43,830	29,650	10,190	7,174
(WY)	(1987)	(1987)	(1986)	(1985)	(1985)	(1986)	(1985)	(1984)	(1957)	(1995)	(1983)	(1997)
MIN	1,916	2,363	1,980	1,871	1,815	1,984	1,631	2,283	2,431	1,662	1,350	1,361
(WY)	(1957)	(1978)	(2003)	(1964)	(1964)	(1964)	(1977)	(1977)	(2002)	(1977)	(1977)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004
ANNUAL TOTAL	1,371,010		1,225,760		
ANNUAL MEAN	3,756		3,349		6,109
HIGHEST ANNUAL MEAN					13,470
LOWEST ANNUAL MEAN					2,417
HIGHEST DAILY MEAN	24,500	Jun 2	9,230	May 12	68,300
LOWEST DAILY MEAN	1,350	Apr 11	1,370	Jan 7	960
ANNUAL SEVEN-DAY MINIMUM	1,590	Apr 7	1,910	Feb 9	1,110
MAXIMUM PEAK FLOW			9,450	May 12	a69,800
MAXIMUM PEAK STAGE			6.15	May 12	b16.12
ANNUAL RUNOFF (AC-FT)	2,719,000		2,431,000		4,426,000
10 PERCENT EXCEEDS	7,060		5,430		13,100
50 PERCENT EXCEEDS	2,680		2,890		3,890
90 PERCENT EXCEEDS	1,840		2,100		2,230

a At site 0.2 mi downstream, at present datum.
b From high-water mark.

09165000 DOLORES RIVER BELOW RICO, CO

LOCATION.--Lat 37°38'20", long 108°03'35", Dolores County, Hydrologic Unit 14030002, on left bank at upstream side of Montelores bridge northwest of State Highway 145, at Dolores-Montezuma County line, 0.5 mi upstream from Ryman Creek, and 4.0 mi southwest of Rico.

DRAINAGE AREA.--105 mi².

PERIOD OF RECORD.--October 1951 to September 1996, October 1998 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09165000

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,422.23 ft above NGVD of 1929.

REMARKS.--Records fair except for estimated daily discharges and those greater than 180 ft³/s, which are poor. No diversion upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Greatest flood since at least 1885 occurred Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	19	e17	e6.9	e14	e24	e374	e501	461	102	37	16
2	50	23	e16	e7.4	e14	e25	e397	e501	487	95	37	16
3	55	25	e15	e6.9	e15	e26	e407	e516	537	87	41	16
4	64	18	e14	e5.8	e14	e26	e402	e543	579	82	36	71
5	55	25	e13	e6.3	e13	e30	e421	e578	625	76	41	58
6	50	22	11	e6.3	e11	e30	e432	e608	653	75	52	46
7	47	23	e12	e6.9	e11	e24	e441	e631	665	73	38	34
8	42	21	e12	e6.6	e13	e31	e442	e640	629	67	35	31
9	40	20	e11	e6.9	e14	e38	e432	e637	560	66	32	27
10	39	22	e9.5	e8.0	e14	e54	e413	e625	483	65	29	27
11	41	21	e8.0	e8.0	e13	e89	e388	e607	392	62	28	32
12	37	19	e6.4	e7.7	e12	e126	e319	e584	337	57	26	25
13	34	24	e5.5	e7.7	e11	e131	e372	e565	301	55	24	24
14	29	22	e5.7	e7.2	e10	e149	e428	e563	316	58	24	22
15	30	17	e5.4	e7.6	e12	e163	e448	e549	317	65	26	19
16	29	17	e5.2	e9.0	e13	e172	e466	e549	279	69	30	18
17	28	21	e5.1	e9.9	e13	e172	e487	e645	259	67	34	18
18	27	21	e5.2	e9.9	e14	e172	e485	e744	225	56	34	18
19	26	20	e5.1	e9.0	e15	e200	e472	e785	215	61	33	117
20	24	22	e4.8	e8.0	e24	e227	e446	839	202	57	34	298
21	24	26	e5.2	e9.9	e25	e255	e424	753	189	52	29	160
22	23	20	e5.2	e9.9	e24	e287	e367	642	170	48	30	107
23	22	18	e5.3	e8.0	e22	e318	e348	569	151	68	27	82
24	21	25	e5.1	e6.7	e22	e322	e339	538	141	76	23	70
25	19	21	e4.6	e8.5	e23	e322	e344	547	136	58	22	62
26	14	22	e5.0	e11	e21	e316	e319	563	128	56	20	53
27	20	e21	e4.9	e11	e23	e282	e397	582	119	61	20	49
28	20	e18	e5.5	e11	e26	e172	e491	635	119	54	20	48
29	19	e18	e6.0	e13	e24	e167	e520	638	130	44	18	72
30	18	e17	e6.0	e13	---	e250	e512	495	112	41	17	79
31	17	---	e7.2	e14	---	e338	---	442	---	39	17	---
TOTAL	1,000	628	246.9	268.0	480	4,938	12,533	18,614	9,917	1,992	914	1,715
MEAN	32.3	20.9	7.96	8.65	16.6	159	418	600	331	64.3	29.5	57.2
MAX	64	26	17	14	26	338	520	839	665	102	52	298
MIN	14	17	4.6	5.8	10	24	319	442	112	39	17	16
AC-FT	1,980	1,250	490	532	952	9,790	24,860	36,920	19,670	3,950	1,810	3,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

	43.0	28.7	21.3	18.4	18.3	33.7	134	454	531	162	80.1	62.2
MEAN	43.0	28.7	21.3	18.4	18.3	33.7	134	454	531	162	80.1	62.2
MAX	133	65.9	42.6	37.7	33.7	159	418	1,015	1,288	646	267	224
(WY)	(1973)	(1987)	(1958)	(1958)	(1984)	(2004)	(2004)	(1958)	(1957)	(1957)	(1999)	(1982)
MIN	14.5	12.1	7.81	7.74	7.49	11.0	42.9	98.9	36.3	16.7	14.2	17.1
(WY)	(1957)	(1957)	(1990)	(1990)	(1994)	(1964)	(1975)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1952 - 2004

ANNUAL TOTAL	35,429.9		53,245.9			
ANNUAL MEAN	97.1		145		132	
HIGHEST ANNUAL MEAN					230	
LOWEST ANNUAL MEAN					37.8	
HIGHEST DAILY MEAN	890	May 28	839	May 20	1,810	Jun 10, 1952
LOWEST DAILY MEAN	e4.6	Dec 25	e4.6	Dec 25	e4.6	Dec 25, 2003
ANNUAL SEVEN-DAY MINIMUM	5.0	Dec 20	5.0	Dec 20	5.0	Dec 20, 2003
MAXIMUM PEAK FLOW			994	May 19	a2,170	May 24, 1984
MAXIMUM PEAK STAGE			4.68	May 19	b5.95	May 24, 1984
ANNUAL RUNOFF (AC-FT)	70,280		105,600		95,990	
10 PERCENT EXCEEDS	270		504		396	
50 PERCENT EXCEEDS	35		34		39	
90 PERCENT EXCEEDS	9.2		8.0		15	

e Estimated.

a From rating curve extended above 1,620 ft³/s.

b Maximum gage height, 6.15 ft, Jun 10, 1952.

09166500 DOLORES RIVER AT DOLORES, CO

LOCATION.--Lat 37°28'21", long 108°29'49", in SW 1/4 SW 1/4 sec.10, T.37 N., R.15 W., Montezuma County, Hydrologic Unit 14030002, on left bank 0.30 mi upstream from bridge on State Highway 184 in Dolores and 0.8 mi upstream from Lost Canyon Creek.

DRAINAGE AREA.--504 mi².

PERIOD OF RECORD.--June 1895 to October 1903, August 1910 to November 1912, October 1921 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09166500

REVISED RECORDS.--WSP 859: 1937. WRD Colo. 1972: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,940 ft above NGVD of 1929, from topographic map. See WSP 1713 or 1733 for history of changes prior to Oct. 7, 1952. Oct. 7, 1952 to Nov. 16, 1983, at site 0.4 mi downstream at different datum.

REMARKS.--Records good except for Oct. 1 and estimated daily discharges, which are poor. Diversions for irrigation of about 2,000 acres upstream from station. Flow partly regulated by Ground Hog Reservoir, capacity 21,710 acre-ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

Table with columns for DAY, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP and rows of daily mean discharge values from day 1 to 31, plus summary statistics (TOTAL, MEAN, MAX, MIN, AC-FT).

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2004, BY WATER YEAR (WY)

Table showing monthly mean data statistics for water years 1896-2004, with columns for MEAN, MAX, (WY), MIN, (WY) and rows for 1896, 1902, 1990, 1997, 2002, 1934, 1900, 1899.

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1896 - 2004

Summary statistics table comparing 2003 calendar year, 2004 water year, and historical years (1896-2004) for metrics like ANNUAL TOTAL, ANNUAL MEAN, HIGHEST ANNUAL MEAN, etc.

e Estimated.

a Site and datum then in use, from rating curve extended above 2,800 ft³/s.

09166950 LOST CANYON CREEK NEAR DOLORES, CO

LOCATION.--Lat 37°26'46", long 108°28'07", in SE¹/₄SE¹/₄ sec.23, T.37N., R.15W., Montezuma County, Hydrologic Unit 14030002, on right bank 2.5 mi southeast of Dolores and 3.0 mi upstream from mouth.

DRAINAGE AREA.--71.3 mi².

PERIOD OF RECORD.--April 1984 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09166950

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,030 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Several small storage reservoirs and diversions for irrigation of about 4,700 acres in the San Juan River Basin and one diversion for irrigation of about 10 acres in Lost Canyon in the Dolores River Basin.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.79	5.5	6.7	0.56	0.21	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.72	6.5	14	0.48	0.45	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.76	15	e71	0.35	0.49	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.84	41	e107	0.29	0.53	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.79	66	e117	0.24	0.51	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.71	62	e120	0.19	0.46	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.85	69	e124	0.17	0.44	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	1.1	70	e121	0.15	0.48	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	1.3	63	e115	0.13	0.48	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	1.6	67	e90	0.12	0.48	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	1.8	61	44	0.13	0.44	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	2.0	56	27	0.26	0.43	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	2.4	56	14	0.29	0.36	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	2.9	56	4.2	0.28	0.45	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	4.5	13	2.0	0.30	0.38	0.00	0.00
16	0.00	0.00	0.00	0.00	0.19	4.2	12	18	0.35	0.28	0.00	0.00
17	0.00	0.00	0.00	0.00	1.6	4.7	13	23	0.32	0.41	0.00	e0.00
18	0.00	0.00	0.00	0.00	1.2	5.0	15	20	0.34	0.40	0.00	e0.00
19	0.00	0.00	0.00	0.00	5.3	9.6	8.4	19	0.36	0.47	0.00	e0.00
20	0.00	0.00	0.00	0.00	11	12	6.9	18	0.30	0.31	0.00	e0.00
21	0.00	0.00	0.00	0.00	2.4	16	5.4	14	0.31	0.27	0.00	0.00
22	0.00	0.00	0.00	0.00	1.6	20	4.7	10	0.46	0.28	0.00	0.00
23	0.00	0.00	0.00	0.00	0.95	30	4.5	8.7	0.40	0.30	0.00	0.00
24	0.00	0.00	0.00	0.00	1.5	37	4.1	3.9	0.42	0.28	0.00	0.00
25	0.00	0.00	0.00	0.00	0.73	32	4.0	1.6	0.45	0.27	0.00	0.00
26	0.00	0.00	0.00	0.00	0.89	30	3.7	1.2	0.53	0.15	0.00	0.00
27	0.00	0.00	0.00	0.00	0.79	23	4.1	1.1	0.47	0.21	0.00	0.00
28	0.00	0.00	0.00	0.00	1.0	9.9	8.2	1.0	0.44	0.21	0.00	0.00
29	0.00	0.00	0.00	0.00	0.73	6.9	9.1	0.99	0.34	0.16	0.00	0.00
30	0.00	0.00	0.00	0.00	---	5.3	7.7	0.89	0.30	0.10	0.00	0.00
31	0.00	---	0.00	0.00	---	5.0	---	0.63	---	0.04	0.00	---
TOTAL	0.00	0.00	0.00	0.00	29.88	273.66	817.8	1,118.91	9.73	10.73	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	1.03	8.83	27.3	36.1	0.32	0.35	0.00	0.00
MAX	0.00	0.00	0.00	0.00	11	37	70	124	0.56	0.53	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.71	3.7	0.63	0.12	0.04	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	59	543	1,620	2,220	19	21	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	1.99	3.77	1.84	1.35	2.13	30.0	102	95.3	8.54	0.24	0.56	0.95										
MAX	17.7	45.2	14.8	5.00	6.85	110	265	293	91.2	0.96	7.00	6.05										
(WY)	(1987)	(1987)	(1987)	(1987)	(1997)	(1997)	(1987)	(1993)	(1995)	(1999)	(1999)	(1999)										
MIN	0.00	0.00	0.00	0.00	0.00	0.69	0.79	0.13	0.00	0.00	0.00	0.00										
(WY)	(1990)	(1990)	(1990)	(1990)	(1990)	(2002)	(2002)	(2002)	(2002)	(2002)	(1990)	(1984)										

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	1,329.50		2,260.71			
ANNUAL MEAN	3.64		6.18		20.3	
HIGHEST ANNUAL MEAN					49.9	
LOWEST ANNUAL MEAN					0.17	
HIGHEST DAILY MEAN	111	Apr 15	e124	May 7	555	Apr 2, 1986
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	a0.00	Jul 11, 1984
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	a0.00	Aug 30, 1984
MAXIMUM PEAK FLOW			e152	May 7	744	Apr 2, 1986
MAXIMUM PEAK STAGE			e,b4.57	May 7	7.23	Apr 2, 1986
ANNUAL RUNOFF (AC-FT)	2,640		4,480		14,700	
10 PERCENT EXCEEDS	9.1		14		63	
50 PERCENT EXCEEDS	0.00		0.00		0.84	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated.

a No flow many days each year.

b From outside high-water mark.

09169500 DOLORES RIVER AT BEDROCK, CO

LOCATION.--Lat 38°18'37", long 108°53'05", in NW¹/₄SW¹/₄ sec.20, T.47 N., R.18 W., Montrose County, Hydrologic Unit 14030002, on right bank at upstream side of bridge, 0.4 mi southeast of Bedrock, and 3.1 mi upstream from East Paradox Creek.

DRAINAGE AREA.--2,024 mi².

PERIOD OF RECORD.--October 1917 to September 1922 (monthly discharge only for some periods, published in WSP 1313), August 1971 to current year. Statistical summary computed for 1985 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09169500

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,940 ft above NGVD of 1929, from topographic map. Prior to Aug. 1, 1971, nonrecording gage at different datum.

REMARKS.--Records fair except those for July 30 to Aug. 5, Aug. 21-25, Sep. 23-29 and estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 5,000 acres upstream from station, and about 74,760 acres in the San Juan River Basin. Flow regulated since Mar. 19, 1984, by McPhee Reservoir, capacity 381,000 acre-ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 6, 1970, reached a stage of 7.15 ft, present datum, from floodmarks (discharge not determined).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	21	e20	e25	e21	55	86	65	71	51	55	52
2	14	21	e20	e25	e21	46	82	71	68	62	55	51
3	16	22	e21	e25	23	40	85	71	65	60	56	50
4	126	26	e21	e25	32	42	89	69	58	44	56	59
5	123	34	e22	e24	e29	40	120	73	55	43	59	208
6	50	28	e22	e24	e29	40	194	76	52	42	72	163
7	31	26	24	e25	e32	39	220	78	50	42	66	73
8	25	25	30	e25	35	38	195	88	47	42	67	62
9	22	25	29	e25	e35	41	172	104	45	41	57	59
10	20	27	24	e26	e34	42	153	104	40	40	55	59
11	31	27	e21	e27	e32	42	190	104	38	41	56	58
12	58	27	e21	e27	e31	41	144	104	41	46	54	52
13	42	30	e21	e26	e32	44	119	106	50	52	53	44
14	25	32	e22	e26	e33	44	99	93	49	53	53	43
15	20	30	e22	e26	e32	48	85	84	49	53	54	41
16	19	30	e23	e26	e31	52	77	77	48	55	52	42
17	19	29	e22	e23	e30	53	70	71	48	57	83	42
18	18	27	e22	e22	e29	57	66	73	49	68	76	42
19	19	24	e22	e22	e30	59	67	77	49	68	70	80
20	19	24	e21	e23	e30	73	67	72	47	63	80	149
21	20	24	23	e24	e52	88	66	83	45	59	127	354
22	20	24	e22	e24	50	115	63	92	45	58	67	197
23	20	21	e22	e24	51	177	63	93	45	56	59	128
24	21	e20	e23	e23	50	237	64	89	45	58	53	56
25	21	e20	e23	e22	46	284	64	84	45	62	52	43
26	21	e20	e23	e21	45	307	62	79	45	75	51	37
27	21	18	e23	e20	47	232	57	75	48	133	51	37
28	21	e20	e23	e20	56	176	50	73	49	127	52	35
29	21	e20	e23	e20	63	142	46	71	50	66	52	62
30	21	e21	e24	e21	---	114	59	70	54	61	52	89
31	21	---	e25	e20	---	93	---	70	---	57	52	---
TOTAL	938	743	704	736	1,061	2,901	2,974	2,539	1,490	1,835	1,897	2,467
MEAN	30.3	24.8	22.7	23.7	36.6	93.6	99.1	81.9	49.7	59.2	61.2	82.2
MAX	126	34	30	27	63	307	220	106	71	133	127	354
MIN	13	18	20	20	21	38	46	65	38	40	51	35
AC-FT	1,860	1,470	1,400	1,460	2,100	5,750	5,900	5,040	2,960	3,640	3,760	4,890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	81.4	78.0	63.5	63.0	72.4	214	792	1,130	592	131	92.6	95.5									
MAX	257	399	254	198	181	774	2,551	3,243	1,794	626	242	332									
(WY)	(1987)	(1987)	(1987)	(1985)	(1987)	(1985)	(1993)	(1993)	(1995)	(1995)	(1987)	(1999)									
MIN	25.5	24.8	20.6	22.1	36.6	40.5	27.6	18.4	3.69	2.25	2.22	42.5									
(WY)	(2003)	(2004)	(2003)	(2003)	(2004)	(2002)	(1990)	(2002)	(2002)	(2002)	(2002)	(2000)									

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	15,546.1		20,285			
ANNUAL MEAN	42.6		55.4		a284	
HIGHEST ANNUAL MEAN					724	
LOWEST ANNUAL MEAN					28.8	
HIGHEST DAILY MEAN	1,140	Sep 10	354	Sep 21	4,690	May 5, 1986
LOWEST DAILY MEAN	6.4	Jun 24	13	Oct 1	b1.4	Aug 19, 2002
ANNUAL SEVEN-DAY MINIMUM	9.7	Jun 20	19	Oct 15	1.7	Jul 9, 2002
MAXIMUM PEAK FLOW			573		Sep 21	
MAXIMUM PEAK STAGE			3.30		Sep 21	
ANNUAL RUNOFF (AC-FT)	30,840		40,240		205,900	
10 PERCENT EXCEEDS	79		93		905	
50 PERCENT EXCEEDS	23		46		70	
90 PERCENT EXCEEDS	13		21		31	

e Estimated.

a Average discharge for 17 years (water years 1918-22, 1972-83), 497 ft³/s; 360,100 acre-ft/yr, prior to completion of McPhee Reservoir.

b Minimum daily discharge for period of record, no flow, Sep 13, 1974, Aug 15-18, 1978.

c Maximum discharge and stage for period of record, 9,280 ft³/s, Apr 30, 1973, gage height, 12.09 ft, from floodmarks.

09171100 DOLORES RIVER NEAR BEDROCK, CO

LOCATION.--Lat 38°21'25", long 108°49'58", in NE¹/₄SE¹/₄ sec.3, T.47 N., R.18 W., Montrose County, Hydrologic Unit 14030002, on right bank 2.5 mi downstream from West Paradox Creek and 4.2 mi northeast of Bedrock.

DRAINAGE AREA.--2,145 mi².

PERIOD OF RECORD.--August 1971 to current year. Statistical summary computed for 1985 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09171100

REVISED RECORDS.--WDR CO-90-2: 1989.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,910 ft above NGVD of 1929, from topographic map. Prior to Feb. 17, 1972, at site 200 ft downstream at datum 1.98 ft lower. From Feb. 17, 1972 to Aug. 16, 2000 at site 600 ft downstream at datum 3.00 ft lower.

REMARKS.--Records good except for Oct. 1 to Mar. 4, July 3-4 and estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 80,000 acres, of which about 74,760 acres are in the San Juan River Basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-ft, since Mar. 19, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 6, 1970, reached a stage of 11.25 ft, site and datum then in use (discharge, 5,710 ft³/s), by slope-area measurement at site 800 ft upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	e21	e20	e25	e20	e57	e89	e66	74	e51	52	51
2	16	e21	e20	e25	e21	e47	e85	e72	72	e63	51	51
3	16	e23	e21	e25	e23	e41	e88	e72	68	62	53	50
4	81	e26	e21	e25	e30	e43	e93	71	62	45	54	57
5	146	30	e22	e25	e30	41	e123	e74	58	43	60	165
6	e28	24	e22	e24	e30	40	e192	77	55	43	67	232
7	e30	22	e24	e25	e32	39	e230	81	53	42	63	76
8	e26	e25	e28	e25	e34	37	e221	90	50	42	63	60
9	e22	e25	e27	e25	e34	38	197	107	48	40	57	58
10	e20	e27	e23	e26	e33	40	165	111	43	40	52	58
11	e29	e27	e21	e27	e32	41	209	108	41	40	52	57
12	e59	e28	e21	e27	e32	40	162	109	42	42	50	54
13	e42	e30	e21	e26	e33	42	127	113	51	e50	50	44
14	e25	e32	e22	e26	e32	43	104	100	50	49	50	43
15	e21	e30	e22	e26	e32	46	88	88	51	51	50	42
16	e19	e30	e22	e26	e30	51	e77	81	50	52	50	42
17	e19	e29	e22	e24	e30	52	e71	75	50	54	76	42
18	e19	e27	e22	e22	e29	56	e66	76	50	58	64	42
19	e19	e24	e22	e22	e30	58	e67	80	51	74	64	68
20	e19	24	e21	e23	e38	68	e67	75	48	61	68	135
21	e20	23	e21	e24	e61	86	e67	83	47	58	119	381
22	e20	24	e22	e24	e61	109	e64	95	46	56	71	195
23	e21	22	e22	e24	e57	185	e63	96	46	54	58	173
24	e21	e20	e23	e23	e52	269	e64	93	45	55	53	60
25	e21	e20	e23	e22	e47	322	e65	88	45	58	52	45
26	e21	e20	e23	e21	e46	390	e63	81	46	66	51	40
27	e21	e19	e23	e20	e48	276	e58	78	48	108	51	37
28	e21	e20	e23	e20	e57	200	e51	75	48	166	51	35
29	18	e20	e24	e20	e64	159	e47	75	50	65	52	50
30	18	e21	e24	e21	---	124	e60	73	e54	59	52	64
31	18	---	e25	e20	---	100	---	72	---	54	51	---
TOTAL	892	734	697	738	1,098	3,140	3,123	2,635	1,542	1,801	1,807	2,507
MEAN	28.8	24.5	22.5	23.8	37.9	101	104	85.0	51.4	58.1	58.3	83.6
MAX	146	32	28	27	64	390	230	113	74	166	119	381
MIN	16	19	20	20	20	37	47	66	41	40	50	35
AC-FT	1,770	1,460	1,380	1,460	2,180	6,230	6,190	5,230	3,060	3,570	3,580	4,970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

	MEAN	86.8	84.6	67.8	69.5	81.6	224	806	1,137	599	135	94.9	103
MAX	269	430	262	208	207	811	2,552	3,219	1,766	677	274	379	
(WY)	(1987)	(1987)	(1987)	(1985)	(1987)	(1985)	(1985)	(1993)	(1995)	(1995)	(1987)	(1999)	
MIN	23.1	24.5	20.8	22.2	36.2	35.1	27.3	15.5	4.51	1.91	1.73	40.4	
(WY)	(2003)	(2004)	(2003)	(2003)	(2003)	(2002)	(1990)	(2002)	(2002)	(2002)	(2002)	(2002)	

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	15,046.3		20,714			
ANNUAL MEAN	41.2		56.6		a291	
HIGHEST ANNUAL MEAN					711	
LOWEST ANNUAL MEAN					26.7	
HIGHEST DAILY MEAN	1,030	Sep 11	390	Mar 26	4,550	May 6, 1986
LOWEST DAILY MEAN	6.3	Jun 25	16	Oct 1	b1.1	Aug 19, 2002
ANNUAL SEVEN-DAY MINIMUM	9.2	Jun 20	19	Oct 16	1.3	Jul 11, 2002
MAXIMUM PEAK FLOW			629	Sep 21	c5,260	May 6, 1986
MAXIMUM PEAK STAGE			4.58	Sep 21	10.82	May 6, 1986
ANNUAL RUNOFF (AC-FT)	29,840		41,090		210,900	
10 PERCENT EXCEEDS	65		97		925	
50 PERCENT EXCEEDS	24		47		74	
90 PERCENT EXCEEDS	15		21		32	

e Estimated.

a Average discharge for 12 years (water years 1972-83), 502 ft³/s; 363,700 acre-ft/yr, prior to completion of McPhee Dam.

b Minimum daily discharge for period of record, 0.12 ft³/s, Jul 17-18, 1977.

c Maximum discharge and stage for period of record, 9,500 ft³/s, Apr 30, 1973, gage height, 12.88 ft site and datum then in use, from floodmarks.

09172500 SAN MIGUEL RIVER NEAR PLACERVILLE, CO

LOCATION.--Lat 38°02'33", long 108°07'54", in NW¼NE¼ sec.25, T.44 N., R.12 W., San Miguel County, Hydrologic Unit 14030003, on right bank 1.5 mi downstream from Specie Creek in vicinity of mile marker 88.68 on State Highway 145 and 4.5 mi northwest of Placerville.

DRAINAGE AREA.--310 mi².

PERIOD OF RECORD.--January to December 1909, September 1910 to November 1912, April 1930 to September 1934, April 1942 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at Placerville," 1910-12. Statistical summary computed for 1911 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09172500

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,030 ft above NGVD of 1929, from topographic map. See WSP 1713 or 1733 for history of changes prior to Oct. 21, 1958. Oct. 22, 1958 to Mar. 4, 1986, gage located 0.8 mi upstream from present site, at different datum. Mar. 5, 1986, gage moved to present site, at present datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,700 acres upstream from station. One diversion from Fall Creek for irrigation of about 2,000 acres in Beaver and Saltado Creek Basins. One small ditch diverts water from Leopard Creek to Uncompahgre River Basin. Slight regulation by Lake Hope and Trout lake operated by the City of Telluride, Public Service Company of Colorado, Pacific Light and Power Company, and Tri State Power Company, combined capacity, 5,040 acre-feet.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	81	e73	e51	e55	79	189	256	532	292	162	74
2	132	84	70	e46	e64	e72	197	251	579	311	163	72
3	133	102	e65	e42	e69	e91	216	270	648	297	157	69
4	127	90	e63	e40	e70	74	205	330	714	280	151	121
5	118	86	e64	e39	e68	71	242	382	771	252	152	130
6	119	86	66	e41	e64	e73	276	433	828	262	161	111
7	123	88	64	e42	e61	e83	316	549	874	265	141	109
8	119	86	68	e40	e57	e72	298	631	870	247	132	104
9	118	80	e54	e40	e54	e54	369	665	837	249	126	100
10	117	85	e47	e40	e52	e51	316	700	818	233	117	109
11	116	75	e52	e41	e53	e54	258	727	651	228	110	127
12	110	71	e57	e40	e57	e59	232	628	560	208	104	112
13	108	74	e47	e40	e60	e71	228	520	527	213	99	109
14	108	82	e52	e41	e62	e84	231	432	618	222	93	103
15	107	78	e58	e42	e64	e110	227	401	653	225	89	98
16	109	74	e51	e42	e66	133	231	446	585	226	94	94
17	104	77	e50	e40	e65	135	247	534	570	238	102	89
18	96	71	e50	e40	e54	143	259	558	477	224	111	87
19	91	72	e53	e42	e48	144	241	685	497	242	116	133
20	91	77	e55	e43	e45	157	228	770	514	231	118	320
21	101	76	e56	e41	e37	176	226	752	493	201	110	277
22	101	74	e55	e40	e37	185	223	665	410	185	111	209
23	96	52	e50	e40	e64	186	224	620	374	202	106	175
24	100	e55	e50	e41	e77	221	222	593	372	234	96	161
25	102	e68	e52	e44	e79	282	221	613	365	203	83	151
26	81	e72	e46	e48	e79	280	219	628	347	192	77	141
27	85	e61	e40	e52	e83	239	227	663	334	194	75	129
28	88	e60	e39	e57	e86	188	235	726	334	202	81	131
29	87	e62	e39	e59	e82	179	245	787	328	163	73	170
30	85	e66	e44	e58	---	181	255	611	318	176	69	174
31	83	---	e50	e56	---	184	---	516	---	148	72	---
TOTAL	3,282	2,265	1,680	1,368	1,812	4,111	7,303	17,342	16,798	7,045	3,451	3,989
MEAN	106	75.5	54.2	44.1	62.5	133	243	559	560	227	111	133
MAX	133	102	73	59	86	282	369	787	874	311	163	320
MIN	81	52	39	39	37	51	189	251	318	148	69	69
AC-FT	6,510	4,490	3,330	2,710	3,590	8,150	14,490	34,400	33,320	13,970	6,850	7,910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	112	83.7	68.5	62.9	63.0	77.7	233	568	778	436	213	143
MAX	399	138	104	101	94.2	148	593	1,515	1,528	1,197	527	391
(WY)	(1912)	(1985)	(1987)	(1998)	(1987)	(1997)	(1942)	(1958)	(1983)	(1983)	(1999)	(1999)
MIN	50.9	51.4	40.8	38.3	37.1	46.4	79.6	136	150	63.8	56.7	63.8
(WY)	(1957)	(1990)	(1977)	(1977)	(1990)	(1980)	(1951)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1911 - 2004
ANNUAL TOTAL	66,205	70,446	
ANNUAL MEAN	181	192	236
HIGHEST ANNUAL MEAN			414
LOWEST ANNUAL MEAN			88.8
HIGHEST DAILY MEAN	1,360	May 30	874
LOWEST DAILY MEAN	e39	Dec 28	e37
ANNUAL SEVEN-DAY MINIMUM	42	Jan 18	40
MAXIMUM PEAK FLOW			1,020
MAXIMUM PEAK STAGE			4.21
ANNUAL RUNOFF (AC-FT)	131,300	139,700	170,900
10 PERCENT EXCEEDS	405	528	631
50 PERCENT EXCEEDS	96	110	104
90 PERCENT EXCEEDS	47	49	55

e Estimated.

a Maximum discharge for period of record, 10,000 ft³/s, Sep 5, 1909, gage height not determined; result of failure of Trout and Middle Reservoir Dams.

b Maximum gage height for statistical period of record, 8.58 ft, May 24, 1984, site and datum then in use.

09174600 SAN MIGUEL RIVER AT BROOKS BRIDGE NEAR NUCLA, CO

LOCATION.--Lat 38°14'39", long 108°30'05", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.46 N., R.15 W., Montrose County, Hydrologic Unit 14030003, on right bank at downstream side of Brooks Bridge, 0.5 mi upstream from Tri-State Power Plant, 3 mi upstream from Naturita Creek, and 4.4 mi northeast of Naturita.

DRAINAGE AREA.--736 mi².

PERIOD OF RECORD.--March 1995 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09174600

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,570 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of several thousand acres upstream from station and diversions upstream for an additional several thousand acres downstream from the gage. One small ditch diverts water from Leopard Creek to Uncompahgre River Basin. Slight regulation by Lake Hope and Trout Lake (combined capacity, 5,040 acre-ft) operated by the City of Telluride, Public Service of Colorado, Pacific Light and Power Company, and Tri State Power Company.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e55	87	93	e55	e57	79	475	349	423	154	26	3.9
2	54	84	89	e50	e65	72	456	347	454	168	40	3.4
3	72	103	89	e45	e79	102	543	335	510	162	38	3.6
4	56	107	88	e42	e94	92	563	390	580	145	26	8.7
5	46	94	84	e40	e95	65	750	462	679	116	27	61
6	38	92	85	e42	86	70	873	536	739	119	42	34
7	51	94	77	e46	67	88	842	640	796	130	29	25
8	46	94	79	e44	63	82	771	721	804	114	17	22
9	41	88	90	e41	59	59	855	758	727	111	11	19
10	43	93	68	e42	51	55	902	787	697	98	5.3	16
11	44	91	58	e43	54	61	623	811	552	100	4.2	35
12	37	80	54	e42	58	68	513	747	453	81	5.6	33
13	34	81	56	e41	61	78	452	603	392	71	5.6	26
14	100	85	67	e42	62	83	448	488	464	70	5.0	22
15	113	88	85	e46	64	92	426	423	517	77	5.0	18
16	112	82	69	e46	67	130	422	433	435	85	5.3	15
17	114	83	48	e44	69	149	434	510	423	122	6.5	13
18	108	78	e53	e41	60	164	466	523	341	101	6.4	6.3
19	96	39	e55	e43	49	188	415	627	347	127	7.3	8.3
20	94	27	e56	e44	67	265	326	734	366	127	9.0	252
21	101	28	e57	e41	35	386	294	719	361	97	9.9	359
22	106	33	e60	e37	36	527	294	644	291	68	4.6	248
23	104	36	e52	e37	83	580	288	580	247	54	5.4	180
24	100	65	e52	e42	77	684	298	531	240	128	5.0	149
25	117	68	e58	e44	79	900	249	528	232	92	3.6	126
26	94	96	e57	e37	78	907	223	528	221	73	3.9	112
27	83	92	e48	e31	84	753	235	555	210	69	4.4	98
28	92	64	e40	e40	89	501	276	626	203	95	4.4	87
29	92	75	e40	e42	85	392	301	726	193	64	4.4	135
30	91	82	e51	e45	---	368	342	561	187	47	3.9	175
31	88	---	e55	e49	---	391	---	440	---	47	3.7	---
TOTAL	2,422	2,309	2,013	1,324	1,973	8,431	14,355	17,662	13,084	3,112	374.4	2,294.2
MEAN	78.1	77.0	64.9	42.7	68.0	272	478	570	436	100	12.1	76.5
MAX	117	107	93	55	95	907	902	811	804	168	42	359
MIN	34	27	40	31	35	55	223	335	187	47	3.6	3.4
AC-FT	4,800	4,580	3,990	2,630	3,910	16,720	28,470	35,030	25,950	6,170	743	4,550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	119	92.1	80.1	75.5	79.4	183	552	759	670	304	153	103
MAX	208	129	106	106	108	486	1,127	1,317	1,631	1,059	539	267
(WY)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)	(1997)	(1995)	(1995)	(1995)	(1999)	(1999)
MIN	60.0	52.8	50.1	38.1	58.5	74.8	160	76.4	47.5	5.86	6.62	11.4
(WY)	(2002)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	61,717.5		69,353.6			
ANNUAL MEAN	169		189		240	
HIGHEST ANNUAL MEAN					499	
LOWEST ANNUAL MEAN					59.1	
HIGHEST DAILY MEAN	1,120	May 29	907	Mar 26	a2,370	Jun 17, 1995
LOWEST DAILY MEAN	5.7	Jul 22	3.4	Sep 2	2.3	Sep 13, 2001
ANNUAL SEVEN-DAY MINIMUM	8.4	Jul 18	3.9	Aug 28	3.6	Aug 14, 1996
MAXIMUM PEAK FLOW			1,340	Mar 26	3,290	Apr 24, 1998
MAXIMUM PEAK STAGE			4.59	Mar 26	b6.30	Apr 24, 1998
ANNUAL RUNOFF (AC-FT)	122,400		137,600		174,100	
10 PERCENT EXCEEDS	444		553		693	
50 PERCENT EXCEEDS	83		85		100	
90 PERCENT EXCEEDS	32		22		29	

e Estimated.

a Also occurred Jun 18, 1995.

b Maximum gage height, 6.32 ft, Jun 17, 1995.

09177000 SAN MIGUEL RIVER AT URAVAN, CO

LOCATION.--Lat 38°21'26", long 108°42'44", in SW¹/₄NE¹/₄ sec.2, T.47 N., R.17 W., Montrose County, Hydrologic Unit 14030003, on right bank 20 ft downstream from bridge on State Highway 141, 400 ft downstream from Tabeguache Creek, and 1.5 mi southeast of Uravan.

DRAINAGE AREA.--1,499 mi².

PERIOD OF RECORD.--August 1954 to September 1962, October 1973 to September 1994, August 1996 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09177000

REVISED RECORDS.--WRD Colo. 1974: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,000 ft above NGVD of 1929, from topographic map. Prior to Sept. 3, 1959, at site 0.5 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation of about 28,000 acres upstream from station, and return flow from irrigated areas.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 6, 1970, reached a stage of 12.6 ft, from floodmarks, discharge, 8,910 ft³/s, by slope-area measurement at site 5.5 mi downstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	98	95	e63	e69	111	549	505	494	196	73	12
2	85	99	100	e58	e77	89	548	510	509	190	81	13
3	116	107	83	e53	85	131	626	484	554	192	86	13
4	104	122	88	e50	108	129	653	547	614	181	78	26
5	97	111	86	e48	109	83	782	652	699	156	71	164
6	86	105	96	43	103	74	1,050	738	764	137	83	88
7	85	105	90	e50	91	95	921	826	819	149	87	64
8	89	106	93	e49	91	98	900	912	816	142	62	52
9	80	103	89	e46	e83	81	941	943	751	131	51	47
10	79	107	76	e48	80	79	1,120	966	709	130	42	47
11	124	110	66	e49	80	81	756	980	603	128	37	49
12	91	97	61	e48	e76	92	630	908	503	118	26	75
13	82	97	65	e48	e74	101	557	766	439	100	25	62
14	133	97	54	e48	69	109	554	634	475	89	25	52
15	129	102	95	e51	106	118	539	561	536	109	22	46
16	125	97	65	e52	127	167	542	551	480	114	19	43
17	125	94	56	e50	132	175	555	616	456	139	21	39
18	121	97	e61	e48	109	186	590	637	387	141	27	39
19	111	71	e63	e49	89	216	538	712	373	161	32	114
20	106	49	e64	e49	112	306	450	816	389	182	90	327
21	109	52	e65	e47	135	443	410	808	387	153	53	493
22	117	59	e68	e44	131	599	398	745	326	114	47	406
23	116	57	e61	e44	126	658	401	677	267	103	39	243
24	113	73	e60	e47	114	719	403	625	250	200	34	195
25	123	78	e65	e50	117	981	349	608	241	156	28	170
26	116	108	e64	e44	110	1,030	328	605	240	128	23	149
27	99	95	e56	e41	126	842	340	621	238	110	19	134
28	105	74	e48	e46	140	608	392	678	228	162	19	121
29	105	83	e49	e48	120	480	439	771	223	130	17	180
30	102	92	e58	e54	---	443	503	662	223	88	16	301
31	99	---	e62	e58	---	463	---	529	---	95	15	---
TOTAL	3,247	2,745	2,202	1,523	2,989	9,787	17,764	21,593	13,993	4,324	1,348	3,764
MEAN	105	91.5	71.0	49.1	103	316	592	697	466	139	43.5	125
MAX	133	122	100	63	140	1,030	1,120	980	819	200	90	493
MIN	75	49	48	41	69	74	328	484	223	88	15	12
AC-FT	6,440	5,440	4,370	3,020	5,930	19,410	35,230	42,830	27,760	8,580	2,670	7,470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	137	116	93.8	87.1	105	195	816	1,134	949	405	186	130
MAX	333	385	188	139	226	612	2,154	3,420	2,361	1,306	646	416
(WY)	(1987)	(1987)	(1987)	(1985)	(1958)	(1997)	(1985)	(1984)	(1957)	(1957)	(1999)	(1982)
MIN	30.6	60.9	49.6	49.1	54.1	66.8	110	86.6	87.2	9.15	11.2	16.8
(WY)	(1957)	(1956)	(1977)	(2004)	(1990)	(1977)	(1977)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1954 - 2004
ANNUAL TOTAL	74,293	85,279	
ANNUAL MEAN	204	233	364
HIGHEST ANNUAL MEAN			758
LOWEST ANNUAL MEAN			78.4
HIGHEST DAILY MEAN	1,210	1,120	5,440
LOWEST DAILY MEAN	19	12	3.2
ANNUAL SEVEN-DAY MINIMUM	24	15	4.2
MAXIMUM PEAK FLOW		1,460	a8,050
MAXIMUM PEAK STAGE		5.51	10.14
ANNUAL RUNOFF (AC-FT)	147,400	169,200	263,500
10 PERCENT EXCEEDS	550	642	1,010
50 PERCENT EXCEEDS	97	108	131
90 PERCENT EXCEEDS	53	47	56

e Estimated.

a From rating curve extended above 4,100 ft³/s.

09237450 YAMPA RIVER ABOVE STAGECOACH RESERVOIR, CO

LOCATION.--Lat 40°16'09", long 106°52'49", in SW¹/₄SW¹/₄ sec.36, T.4 N., R.85 W., Routt County, Hydrologic Unit 14050001, on left bank 1.4 mi downstream from Jack Creek and 4.0 mi east of Oak Creek.

DRAINAGE AREA.--208 mi².

PERIOD OF RECORD.--October 1988 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09237450

REVISED RECORDS.--WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 7,240 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation upstream from station. Natural flow of stream affected by 2 diversions for irrigation to Egeria Creek into Colorado River Basin and by storage in Stillwater, Yampa and YamColo Reservoirs (total capacity 15,820 acre-ft).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	34	e35	e41	e40	e50	54	50	48	90	57	27
2	29	38	e38	e44	e40	e42	58	46	40	72	58	28
3	39	48	e42	e43	e40	52	61	42	40	63	63	27
4	34	44	e42	e42	e40	33	60	41	38	56	57	31
5	31	42	e43	e42	e40	51	64	43	45	62	56	51
6	29	41	e43	e46	e40	44	68	29	45	63	57	40
7	29	41	e42	e46	e40	34	72	25	41	53	50	33
8	35	42	e43	e45	e40	37	79	16	37	50	46	32
9	35	42	e44	e45	e41	43	85	16	28	45	44	29
10	34	43	e44	e45	e41	47	73	17	32	47	48	27
11	34	43	e46	e44	e41	45	64	17	37	49	48	29
12	33	41	e45	e43	e41	49	65	22	40	49	46	27
13	33	43	e42	e42	e41	54	61	30	41	51	41	29
14	31	45	e44	e43	e41	58	58	30	39	54	38	25
15	32	42	e44	e44	e41	61	56	32	42	67	36	19
16	32	40	e44	e44	e41	54	56	31	45	74	35	22
17	31	42	e45	e42	e42	66	60	28	60	107	36	22
18	30	38	e45	e42	e42	86	61	26	90	88	40	21
19	29	e45	e44	e42	e42	111	62	22	75	86	48	19
20	28	e44	e42	e41	e43	154	57	20	69	81	48	28
21	29	41	e42	e40	e43	151	58	23	76	83	45	45
22	29	36	e43	e40	e43	141	59	28	77	76	50	51
23	29	27	e42	e40	e43	121	56	30	66	79	46	49
24	28	e35	e42	e42	e43	95	52	29	56	105	38	43
25	27	e34	e41	e43	e43	92	50	39	51	85	34	39
26	28	e36	e42	e41	e44	82	47	40	53	73	31	36
27	32	e36	e42	e41	e44	73	42	36	60	71	39	34
28	32	e35	e42	e40	e45	65	44	39	63	69	33	35
29	32	e37	e42	e40	e45	57	46	38	67	64	31	35
30	31	e33	e42	e40	---	56	51	49	103	63	29	40
31	32	---	e42	e40	---	53	---	46	---	62	27	---
TOTAL	970	1,188	1,319	1,313	1,210	2,157	1,779	980	1,604	2,137	1,355	973
MEAN	31.3	39.6	42.5	42.4	41.7	69.6	59.3	31.6	53.5	68.9	43.7	32.4
MAX	39	48	46	46	45	154	85	50	103	107	63	51
MIN	27	27	35	40	40	33	42	16	28	45	27	19
AC-FT	1,920	2,360	2,620	2,600	2,400	4,280	3,530	1,940	3,180	4,240	2,690	1,930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	49.1	50.7	42.7	41.6	42.0	62.4	109	115	111	97.3	71.2	50.2
MAX	116	85.1	71.1	74.2	75.4	113	259	278	348	167	153	135
(WY)	(1998)	(1998)	(1996)	(1996)	(1996)	(1998)	(1996)	(1996)	(1997)	(1995)	(1997)	(1997)
MIN	27.2	32.0	29.2	21.4	29.4	38.7	48.7	13.9	12.3	17.3	25.3	17.4
(WY)	(2003)	(1995)	(1990)	(1990)	(1991)	(1992)	(1995)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1989 - 2004
ANNUAL TOTAL	22,106	16,985	
ANNUAL MEAN	60.6	46.4	70.3
HIGHEST ANNUAL MEAN			135
LOWEST ANNUAL MEAN			33.2
HIGHEST DAILY MEAN	225	154	582
LOWEST DAILY MEAN	e23	16	a5.3
ANNUAL SEVEN-DAY MINIMUM	25	20	8.9
MAXIMUM PEAK FLOW		201	765
MAXIMUM PEAK STAGE		4.29	b5.96
ANNUAL RUNOFF (AC-FT)	43,850	33,690	50,930
10 PERCENT EXCEEDS	112	67	131
50 PERCENT EXCEEDS	45	42	51
90 PERCENT EXCEEDS	30	29	30

e Estimated.

a Also occurred May 11, 2002.

b Maximum gage height, 7.31 ft, Dec 4, 1997, backwater from ice.

09237500 YAMPA RIVER BELOW STAGECOACH RESERVOIR, CO

LOCATION (REVISED)--Lat 40°17'07", long 106°49'51", in SW¹/₄SE¹/₄ sec.29, T.4 N., R.84 W., Routt County, Hydrologic Unit 14050001, on left bank, 50 ft downstream from Stagecoach Reservoir, 1.1 mi upstream from Morrison Creek, and 6.5 mi east of Oak Creek.

DRAINAGE AREA--228 mi².

PERIOD OF RECORD--September 1939 to September 1944, monthly discharge only for some periods, published in WSP 1313; October 1956 to September 1972; October 1984 to current year. Prior to October 1990, published as Yampa River near Oak Creek. Statistical summary computed for 1989 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09237500

REVISED RECORDS--WDR CO-00-2: Drainage area.

GAGE--Water-stage recorder with satellite telemetry. Elevation of gage is 7,050 ft above NGVD of 1929, from topographic map. Sept. 1939 to Nov. 15, 1939, nonrecording gage, Nov. 16, 1939 to Sept. 1944 and Oct. 1956 to Sept. 1972, water-stage recorder at site 0.2 mi upstream, at different datum. Oct. 1984 to July 15, 2003, water-stage recorder at site 0.3 mi downstream, at different datum.

REMARKS--Records good except when the jet flow valve is on at the dam and estimated mean daily discharges, which are fair. Flow regulated since Dec. 20, 1988, by Stagecoach Reservoir (capacity 33,275 acre-ft), 50 ft upstream. Diversions for irrigation of about upstream from station. Natural flow of stream affected by 2 diversions for irrigation to Egeria Creek into Colorado River Basin and by storage in Stillwater, Yampa and YamColo Reservoirs (total capacity 15,820 acre-ft).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	40	37	52	56	58	42	40	41	43	38	84
2	61	39	35	54	55	60	42	40	37	43	32	84
3	54	38	37	50	53	54	42	40	32	43	32	84
4	51	35	42	50	52	54	42	40	30	43	32	84
5	48	35	42	52	55	55	42	34	30	43	32	84
6	53	36	46	55	e53	53	41	29	35	43	32	84
7	55	35	42	55	e55	49	40	27	32	43	32	64
8	53	35	50	55	e56	55	41	25	35	44	32	32
9	50	35	58	55	e56	55	41	25	29	44	34	33
10	45	35	58	50	e56	55	41	21	27	43	41	33
11	39	35	58	50	e56	55	41	19	27	43	43	36
12	39	35	58	55	e56	55	41	19	27	43	42	36
13	45	35	58	55	e56	50	41	22	27	43	42	29
14	45	35	58	55	59	50	41	26	27	43	42	24
15	45	35	58	54	59	55	40	26	30	43	42	23
16	45	35	58	53	59	55	40	26	34	43	43	24
17	45	35	58	53	59	60	40	26	40	42	49	35
18	40	35	58	53	59	65	40	25	43	43	43	34
19	40	35	53	53	59	64	40	26	43	42	42	28
20	45	35	48	53	59	59	40	25	43	42	42	28
21	45	35	48	53	59	59	40	26	43	42	42	29
22	45	35	46	53	59	59	40	26	43	42	42	28
23	43	35	43	53	59	52	41	26	43	42	43	29
24	41	34	43	53	59	54	46	26	43	48	42	29
25	39	34	43	53	59	54	38	27	47	44	44	29
26	40	34	43	53	59	48	43	32	44	48	42	29
27	40	34	43	53	58	41	39	27	48	44	42	29
28	40	34	43	53	58	41	40	34	44	44	42	29
29	40	34	43	53	58	41	40	35	44	43	42	29
30	40	34	43	53	---	41	40	33	44	42	65	29
31	32	---	46	52	---	41	---	34	---	44	84	---
TOTAL	1,416	1,056	1,496	1,644	1,656	1,647	1,225	887	1,112	1,342	1,297	1,252
MEAN	45.7	35.2	48.3	53.0	57.1	53.1	40.8	28.6	37.1	43.3	41.8	41.7
MAX	73	40	58	55	59	65	46	40	48	48	84	84
MIN	32	34	35	50	52	41	38	19	27	42	32	23
AC-FT	2,810	2,090	2,970	3,260	3,280	3,270	2,430	1,760	2,210	2,660	2,570	2,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

	60.9	58.7	56.9	59.5	59.4	60.0	67.8	102	107	84.7	77.5	69.3
MEAN	60.9	58.7	56.9	59.5	59.4	60.0	67.8	102	107	84.7	77.5	69.3
MAX	110	94.7	93.3	89.8	84.8	90.3	166	303	377	172	156	135
(WY)	(1998)	(1996)	(1996)	(1998)	(1997)	(2000)	(1996)	(1996)	(1997)	(1995)	(1997)	(1997)
MIN	25.8	35.2	27.0	28.3	28.3	18.0	32.3	12.4	12.8	22.3	34.4	31.8
(WY)	(1991)	(2004)	(2001)	(2003)	(2003)	(1989)	(1989)	(1989)	(1989)	(1989)	(1989)	(1990)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	19,330		16,030		a72.1	
ANNUAL MEAN	53.0		43.8		134	
HIGHEST ANNUAL MEAN					1997	
LOWEST ANNUAL MEAN					32.1	
HIGHEST DAILY MEAN	164	Jun 2	84	Aug 31	b611	Jun 9, 1997
LOWEST DAILY MEAN	21	Feb 7	19	May 11	c9.4	Jun 1, 1989
ANNUAL SEVEN-DAY MINIMUM	27	Feb 5	22	May 8	10	May 29, 1989
MAXIMUM PEAK FLOW			101	Sep 17	d641	Jun 11, 1997
MAXIMUM PEAK STAGE			1.68	Sep 17	f3.82	Jun 11, 1997
ANNUAL RUNOFF (AC-FT)	38,340		31,800		52,200	
10 PERCENT EXCEEDS	91		58		110	
50 PERCENT EXCEEDS	43		43		62	
90 PERCENT EXCEEDS	28		29		33	

e Estimated.

a Average discharge for 25 years (water years 1940-44, 1957-72, 1985-88), 89.4 ft³/s; 64,770 acre-ft/yr, prior to completion of Stagecoach Reservoir.

b Maximum daily discharge for period of record, 1,020 ft³/s, Apr 16, 1962.

c Minimum daily discharge for period of record, 8.9 ft³/s, May 22, 1963.

d Maximum discharge and stage for period of record, 1,400 ft³/s, Apr 16, 1962, gage height, 7.56 ft, from rating curve extended above 570 ft³/s, site and datum then in use.

f Maximum gage height, 8.08 ft, Mar 8, 1987, backwater from ice, site and datum then in use.

09238900 FISH CREEK AT UPPER STATION, NEAR STEAMBOAT SPRINGS, CO

LOCATION.--Lat 40°28'30", long 106°47'11", in SE¹/₄SE¹/₄ sec.15, T.6 N., R.84 W., Routt County, Hydrologic Unit 14050001, on right bank 2.6 mi upstream from mouth, and 2.5 mi east of Steamboat Springs.

DRAINAGE AREA.--25.8 mi².

PERIOD OF RECORD.--October 1966 to September 1972, May 1982 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09238900

REVISED RECORDS.--WDR C0-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, and concrete control. Elevation of gage is 7,150 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversions upstream from station by Mount Werner Recreation District and City of Steamboat Springs for domestic use began in 1972 (see table below for figures of diversion). Natural flow of stream affected by storage in Fish Creek and Long lake Reservoir, combined capacity 2,237 acre-ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	4.3	3.6	2.4	2.5	3.0	42	68	152	98	3.4	4.2
2	2.8	5.3	3.2	2.5	3.0	3.5	44	70	232	71	4.3	3.2
3	9.5	5.6	3.6	2.7	2.6	3.1	48	95	372	58	4.8	3.0
4	5.1	2.2	3.8	2.8	2.9	3.2	49	154	439	51	3.9	11
5	4.3	3.8	3.8	2.9	2.8	3.2	60	231	507	51	3.8	19
6	4.4	3.9	3.8	2.9	2.8	3.2	68	275	512	50	6.8	21
7	3.9	3.5	4.2	3.3	3.1	3.2	74	300	555	41	4.5	17
8	4.0	3.3	3.8	3.9	2.6	3.3	79	310	537	34	4.3	9.3
9	3.9	3.7	3.6	3.2	2.6	4.1	73	320	483	27	3.7	6.8
10	3.9	4.0	4.4	3.2	2.7	5.6	65	335	383	21	3.4	6.2
11	4.8	4.1	4.4	3.0	3.0	5.3	57	304	275	18	3.6	7.1
12	4.3	4.2	4.4	3.2	2.7	6.0	51	217	238	15	3.6	5.6
13	4.4	3.7	4.2	3.5	2.7	7.4	49	168	245	13	3.2	5.3
14	4.3	4.8	4.4	3.8	2.4	8.1	51	136	268	14	2.9	5.8
15	4.0	4.6	4.1	3.7	2.2	8.2	50	130	255	20	2.7	6.5
16	4.0	4.3	3.7	3.1	2.1	8.0	55	145	231	57	2.8	5.7
17	4.0	3.9	3.8	2.8	2.0	8.4	66	159	233	29	2.9	5.1
18	3.8	4.5	3.8	2.9	2.1	11	74	233	e279	20	6.5	4.9
19	3.7	5.9	3.8	3.0	4.6	16	67	328	e250	14	11	9.8
20	3.6	5.2	3.6	3.2	5.2	24	60	381	e225	9.9	9.3	35
21	3.9	4.1	3.7	2.9	4.2	33	56	365	e242	9.2	9.8	34
22	4.1	2.4	3.5	3.2	2.4	41	50	297	178	7.4	6.2	26
23	3.4	3.2	3.4	4.9	2.2	50	47	245	139	7.5	5.1	23
24	3.4	5.5	3.3	3.1	2.4	55	47	241	127	10	4.5	28
25	3.4	5.7	3.1	3.1	2.9	58	45	188	110	7.9	4.6	41
26	3.6	4.4	3.5	3.5	2.9	60	46	178	79	7.2	5.3	45
27	3.7	3.7	3.1	3.2	2.6	55	58	246	72	7.3	13	50
28	3.8	4.5	3.3	3.5	2.7	44	73	362	75	5.7	9.0	47
29	3.9	5.0	3.0	3.2	2.7	36	78	348	95	4.9	6.0	44
30	3.7	4.2	2.6	2.8	---	33	77	208	114	4.2	4.8	67
31	4.2	---	2.6	2.4	---	37	---	158	---	4.8	4.1	---
TOTAL	126.9	127.5	113.1	97.8	81.6	639.8	1,759	7,195	7,902	788.0	163.8	596.5
MEAN	4.09	4.25	3.65	3.15	2.81	20.6	58.6	232	263	25.4	5.28	19.9
MAX	9.5	5.9	4.4	4.9	5.2	60	79	381	555	98	13	67
MIN	2.8	2.2	2.6	2.4	2.0	3.0	42	68	72	4.2	2.7	3.0
AC-FT	252	253	224	194	162	1,270	3,490	14,270	15,670	1,560	325	1,180
a	168	138	174	184	156	193	146	250	313	338	329	246

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	10.7	9.75	7.42	5.86	5.37	9.31	36.2	214	366	80.2	9.15	10.4
MAX	51.9	31.6	23.3	19.2	15.8	20.6	59.0	358	580	331	21.6	74.0
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(2004)	(1987)	(1969)	(1997)	(1995)	(1997)	(1997)
MIN	2.52	3.07	2.43	2.29	1.88	3.59	8.21	85.5	102	3.27	0.86	0.73
(WY)	(1993)	(1989)	(2000)	(2001)	(2001)	(2002)	(1983)	(1983)	(2002)	(2002)	(1994)	(1994)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1967 - 2004

ANNUAL TOTAL	25,142.7	19,591.0		
ANNUAL MEAN	68.9	53.5		
HIGHEST ANNUAL MEAN			98.6	1984
LOWEST ANNUAL MEAN			29.8	2002
HIGHEST DAILY MEAN	956	May 29	555	Jun 7
LOWEST DAILY MEAN	1.7	Mar 9	2.0	Feb 17
ANNUAL SEVEN-DAY MINIMUM	2.1	Mar 4	2.3	Feb 12
MAXIMUM PEAK FLOW			774	Jun 7
MAXIMUM PEAK STAGE			2.65	Jun 7
ANNUAL RUNOFF (AC-FT)	49,870	38,860		
10 PERCENT EXCEEDS	267	227		232
50 PERCENT EXCEEDS	5.0	5.2		9.1
90 PERCENT EXCEEDS	3.3	2.9		3.2

e Estimated.

a Diversions, in acre-feet, by Mount Werner Water and Sanitation District, and City of Steamboat Springs.

09242500 ELK RIVER NEAR MILNER, CO

LOCATION.--Lat 40°30'53", long 106°57'12", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.6 N., R.85 W., Routt County, Hydrologic Unit 14050001, on left bank 30 ft downstream from bridge on County Road 44, 2.5 mi upstream from mouth, and 3.2 mi east of Milner.

DRAINAGE AREA.--460 mi².

PERIOD OF RECORD.--May 1904 to September 1927 (published as "near Trull"). April 1990 to current year. Records for 1910-27 furnished by State Engineer of Colorado. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09242500

REVISED RECORDS.--WDR CO-98-2:1997 (M). WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,590 ft above NGVD of 1929, from topographic map. May 1904 to Sept. 1909, nonrecording gage, at different datum, Oct. 1910 to Sept. 1927, water-stage recorder at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. During high flows, channel overflow may occur and cause some streamflow to bypass gage. Diversions upstream from station for irrigation. Natural flow of stream affected by storage in Lester Creek Reservoir (known also as Pearl lake), capacity, 5,660 acre-ft, since 1963, and Steamboat lake, capacity, 23,060 acre-ft, since 1968.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	58	e73	e53	e49	e71	485	868	830	1,270	168	79
2	59	72	e63	e53	e49	e68	600	865	824	852	159	70
3	63	87	e48	e52	e47	e70	686	1,110	1,200	711	152	67
4	68	79	e44	e50	e50	e72	671	1,440	1,610	636	150	104
5	62	77	e36	e55	e50	e71	847	1,910	1,750	607	145	191
6	59	e70	e32	e46	e47	e70	976	2,310	1,880	575	150	192
7	53	e68	e36	e54	e45	e73	1,080	2,450	2,150	496	134	177
8	52	e70	e42	e57	e49	e80	1,190	2,490	2,070	454	122	137
9	55	e70	e36	e53	e49	e83	1,260	2,460	1,960	421	108	106
10	54	e75	e36	e48	e45	e86	1,210	2,480	1,750	388	103	99
11	56	e77	e40	e48	e51	e88	972	2,460	1,310	370	97	100
12	60	e80	e38	e48	e48	e90	887	1,820	1,030	356	98	96
13	56	82	e38	e49	e51	e96	819	1,560	994	327	109	93
14	53	100	e39	e51	e50	e104	903	1,350	1,140	304	106	104
15	49	93	e38	e52	e52	e119	819	1,280	1,290	312	103	105
16	49	89	e38	e55	e52	e121	864	1,290	1,210	586	101	93
17	50	89	e37	e51	e51	156	955	1,270	1,260	421	103	83
18	48	73	e45	e48	e52	157	974	1,440	1,380	360	109	81
19	48	82	e51	e51	e53	194	820	1,690	1,190	313	210	87
20	50	91	e44	e53	e55	281	762	1,920	1,110	290	186	207
21	49	97	e47	e51	e53	349	742	2,060	1,330	288	173	368
22	47	86	e51	e47	e53	412	681	1,830	1,060	259	159	273
23	45	77	e47	e48	e59	522	612	1,430	849	265	143	233
24	44	e82	e50	e52	e59	564	625	1,450	822	250	134	222
25	44	e77	e50	e51	e63	600	603	1,230	817	231	106	280
26	39	e74	e55	e53	e72	611	596	1,090	789	225	91	308
27	42	e71	e52	e55	e85	604	733	1,120	758	212	129	311
28	44	e75	e51	e55	e79	452	962	1,270	690	198	135	301
29	44	e81	e52	e55	e74	368	1,040	1,710	692	187	109	303
30	42	e74	e53	e53	---	363	1,000	1,200	1,420	181	95	429
31	49	---	e53	e52	---	390	---	949	---	183	88	---
TOTAL	1,592	2,376	1,415	1,599	1,592	7,385	25,374	49,802	37,165	12,528	3,975	5,299
MEAN	51.4	79.2	45.6	51.6	54.9	238	846	1,607	1,239	404	128	177
MAX	68	100	73	57	85	611	1,260	2,490	2,150	1,270	210	429
MIN	39	58	32	46	45	68	485	865	690	181	88	67
AC-FT	3,160	4,710	2,810	3,170	3,160	14,650	50,330	98,780	73,720	24,850	7,880	10,510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2004, BY WATER YEAR (WY)

MEAN	138	109	90.2	85.9	88.9	169	730	2,082	2,138	652	163	114
MAX	424	234	154	135	145	320	1,214	3,977	3,824	1,940	445	518
(WY)	(1919)	(1919)	(1998)	(1998)	(1921)	(1916)	(1919)	(1920)	(1917)	(1917)	(1912)	(1997)
MIN	51.4	58.0	45.6	51.5	45.9	52.0	377	940	749	88.2	30.3	33.1
(WY)	(2004)	(1991)	(2004)	(1992)	(1991)	(1991)	(1995)	(1990)	(2002)	(2002)	(2002)	(1994)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1905 - 2004	
ANNUAL TOTAL	182,319		150,102			
ANNUAL MEAN	500		410		553	
HIGHEST ANNUAL MEAN					886	
LOWEST ANNUAL MEAN					230	
HIGHEST DAILY MEAN	4,960		2,490		5,350	
LOWEST DAILY MEAN	e32		e32		3.7	
ANNUAL SEVEN-DAY MINIMUM	37		37		5.3	
MAXIMUM PEAK FLOW			2,990		a5,740	
MAXIMUM PEAK STAGE			5.57		b7.18	
ANNUAL RUNOFF (AC-FT)	361,600		297,700		400,300	
10 PERCENT EXCEEDS	1,730		1,260		1,870	
50 PERCENT EXCEEDS	86		103		130	
90 PERCENT EXCEEDS	50		48		62	

e Estimated.

a Peak discharge includes 370 ft³/s overflow that bypassed the main channel.

b Gage height reflects the discharge flowing in the main channel (5,370 ft³/s).

09244490 YAMPA RIVER ABOVE ELKHEAD CREEK NEAR HAYDEN, CO

LOCATION.--Lat 40°31'05", long 107°23'57", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.7 N., R.89 W., Routt County, Hydrologic Unit 14050001, on right bank 3.3 mi upstream from the mouth of Elkhead Creek, and 7.6 mi northwest of Hayden.

DRAINAGE AREA.--1,576 mi².

PERIOD OF RECORD.--March to September 2004. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09244490

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,240 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Record good. Natural flow of stream affected by diversions for irrigation, powerplant at Hayden, transbasin diversions, storage reservoirs, and return flow from irrigated areas.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period March to September, 5,110 ft³/s, May 11, gage height, 4.61 ft; minimum daily, 84 ft³/s, Aug. 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	983	1,760	1,860	1,800	249	125
2	---	---	---	---	---	---	1,140	1,600	1,760	1,270	219	122
3	---	---	---	---	---	---	1,280	1,800	2,090	986	210	117
4	---	---	---	---	---	---	1,310	2,230	2,610	849	204	125
5	---	---	---	---	---	---	1,420	2,810	2,790	808	196	232
6	---	---	---	---	---	---	1,700	3,610	3,060	773	195	360
7	---	---	---	---	---	---	1,860	4,090	3,400	684	190	342
8	---	---	---	---	---	---	2,030	4,340	3,390	609	168	325
9	---	---	---	---	---	---	2,200	4,310	3,170	553	151	250
10	---	---	---	---	---	---	2,190	4,330	2,870	512	126	203
11	---	---	---	---	---	---	1,900	4,480	2,330	473	110	202
12	---	---	---	---	---	---	1,680	3,570	1,980	451	94	190
13	---	---	---	---	---	---	1,520	2,990	1,860	429	102	181
14	---	---	---	---	---	---	1,490	2,540	1,900	406	96	169
15	---	---	---	---	---	---	1,440	2,310	2,010	397	98	156
16	---	---	---	---	---	497	1,450	2,290	1,930	524	91	144
17	---	---	---	---	---	505	1,620	2,270	1,950	639	84	126
18	---	---	---	---	---	584	1,780	2,410	2,110	482	98	116
19	---	---	---	---	---	697	1,780	2,800	2,100	440	122	123
20	---	---	---	---	---	906	1,600	3,390	1,820	408	244	151
21	---	---	---	---	---	1,060	1,500	3,620	1,940	391	230	403
22	---	---	---	---	---	1,190	1,490	3,380	1,920	377	223	476
23	---	---	---	---	---	1,410	1,290	2,710	1,440	361	209	426
24	---	---	---	---	---	1,580	1,200	2,610	1,260	369	178	384
25	---	---	---	---	---	1,750	1,150	2,430	1,190	363	149	396
26	---	---	---	---	---	1,720	1,120	2,260	1,140	345	119	439
27	---	---	---	---	---	1,610	1,200	2,220	1,080	318	130	463
28	---	---	---	---	---	1,340	1,530	2,420	1,010	304	175	467
29	---	---	---	---	---	1,070	1,800	2,880	926	283	176	457
30	---	---	---	---	---	949	1,910	2,540	1,440	270	156	495
31	---	---	---	---	---	912	---	2,070	---	264	127	---
TOTAL	---	---	---	---	---	---	46,563	89,070	60,336	17,138	4,919	8,165
MEAN	---	---	---	---	---	---	1,552	2,873	2,011	553	159	272
MAX	---	---	---	---	---	2,200	4,480	3,400	1,800	249	495	---
MIN	---	---	---	---	---	983	1,600	926	264	84	116	---
AC-FT	---	---	---	---	---	---	92,360	176,700	119,700	33,990	9,760	16,200

09246200 ELKHEAD CREEK ABOVE LONG GULCH NEAR HAYDEN, CO

LOCATION.--Lat 40°35'30", long 107°19'13", in NW¹/₄SE¹/₄ sec.1, T.7 N., R.89 W., Routt County, Hydrologic Unit 14050001, on left bank 0.3 mi upstream from Long Gulch, and 9.0 mi northwest of Hayden.

DRAINAGE AREA.--171 mi².

PERIOD OF RECORD.--August 1995 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09246200

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage 6,405 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow affected by diversions for irrigation of several hundred acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.76	4.8	e3.5	e6.1	e10	e9.6	162	252	71	11	1.7	0.80
2	1.1	e4.2	e3.3	e6.5	e9.2	e11	208	240	64	10	1.5	0.55
3	1.5	e4.2	e3.2	e7.0	e9.2	e9.5	219	284	59	7.9	1.5	0.44
4	1.6	e3.9	e3.0	e7.2	e9.8	e8.8	214	352	54	6.7	1.2	0.48
5	2.1	e3.7	e2.9	e7.4	e9.0	e9.2	303	377	48	6.9	1.3	3.8
6	2.3	e3.4	e2.9	e7.6	e8.9	e9.5	365	390	40	6.8	1.7	9.7
7	2.1	e2.8	e3.2	e7.8	e8.4	e8.6	364	360	36	6.1	1.3	6.1
8	2.1	e3.1	e3.5	e8.0	e8.2	e9.1	398	328	31	5.2	1.1	3.9
9	2.0	e3.4	e3.4	e8.2	e8.2	e8.9	500	302	28	4.4	0.96	2.6
10	2.1	e3.9	e3.2	e8.2	e7.9	e9.6	360	274	26	3.7	0.74	1.9
11	2.1	e4.4	e3.5	e8.3	e8.1	e16	231	256	25	2.8	0.50	1.6
12	2.1	e3.8	e3.3	e8.3	e7.9	e9.0	204	257	22	3.8	0.28	1.4
13	2.1	e3.3	e3.3	e8.5	e7.7	e24	175	265	23	5.2	0.15	1.4
14	2.2	e3.7	e3.3	e9.0	e7.5	e26	237	223	20	4.6	0.06	1.3
15	2.2	e4.0	e4.5	e9.9	e7.6	e40	257	225	16	4.2	0.03	0.96
16	2.3	e3.5	e3.6	e11	e7.6	48	254	211	15	7.1	0.02	0.90
17	2.4	e3.6	e3.7	e10	e7.8	57	328	196	15	8.0	0.02	0.77
18	2.6	e2.8	e4.5	e10	e8.2	80	319	182	22	7.0	0.02	0.66
19	2.7	e2.4	e4.6	e11	e8.5	99	250	179	24	8.0	0.02	0.91
20	2.5	e3.4	e5.0	e12	e9.1	108	226	170	25	5.3	0.02	2.2
21	2.5	e4.1	e5.6	e11	e9.4	119	225	155	26	4.0	1.1	9.8
22	2.8	e3.6	e6.3	e11	e9.8	132	202	134	34	3.3	2.8	11
23	e2.7	e2.8	e5.5	e11	e9.9	163	184	123	22	2.8	2.1	9.9
24	e2.6	e3.0	e5.1	e13	e10	170	219	114	16	2.5	1.5	8.5
25	e2.5	e3.3	e6.2	e13	e10	182	195	113	14	2.4	1.5	7.5
26	e2.4	e3.3	e7.7	e14	e9.4	194	201	108	10	3.2	1.3	8.7
27	2.3	e3.3	e8.6	e14	e9.5	201	252	93	9.1	2.7	1.6	6.8
28	2.9	e3.1	e8.4	e13	e9.4	128	332	89	12	2.4	1.7	5.7
29	3.1	e3.5	e8.3	e12	e9.4	93	331	85	13	2.0	1.8	5.0
30	3.4	e3.6	e8.3	e12	---	91	336	94	12	1.9	1.6	5.1
31	4.4	---	e8.3	e12	---	105	---	80	---	2.0	1.1	---
TOTAL	72.46	105.9	149.7	308.0	255.6	2,178.8	8,051	6,511	832.1	153.9	32.22	120.37
MEAN	2.34	3.53	4.83	9.94	8.81	70.3	268	210	27.7	4.96	1.04	4.01
MAX	4.4	4.8	8.6	14	10	201	500	390	71	11	2.8	11
MIN	0.76	2.4	2.9	6.1	7.5	8.6	162	80	9.1	1.9	0.02	0.44
AC-FT	144	210	297	611	507	4,320	15,970	12,910	1,650	305	64	239

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	9.86	11.5	11.4	13.1	14.9	69.3	340	582	126	12.2	3.97	6.73
MAX	39.5	33.2	34.0	34.5	39.3	151	493	1,189	337	42.5	13.5	37.6
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)	(1998)	(1997)	(1997)
MIN	2.34	3.53	4.65	5.66	6.74	18.1	162	78.9	5.24	0.03	0.00	0.00
(WY)	(2004)	(2004)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	30,571.89		18,771.05			
ANNUAL MEAN	83.8		51.3		101	
HIGHEST ANNUAL MEAN					187	
LOWEST ANNUAL MEAN					24.0	
HIGHEST DAILY MEAN	1,030	May 17	500	Apr 9	1,860	May 7, 1997
LOWEST DAILY MEAN	0.01	Aug 15	0.02	Aug 16	a0.00	Jul 8, 2002
ANNUAL SEVEN-DAY MINIMUM	0.01	Aug 15	0.03	Aug 14	0.00	Jul 16, 2002
MAXIMUM PEAK FLOW			677	Apr 9	b2,760	May 7, 1997
MAXIMUM PEAK STAGE			4.75	Apr 9	7.86	May 7, 1997
ANNUAL RUNOFF (AC-FT)	60,640		37,230		72,820	
10 PERCENT EXCEEDS	341		216		331	
50 PERCENT EXCEEDS	7.1		7.9		11	
90 PERCENT EXCEEDS	0.79		1.5		1.4	

e Estimated.

a Also occurred Jul 9 and Jul 16 to Sep 29, 2002.

b From rating extended above 1,120 ft³/s.

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH NEAR CRAIG, CO

LOCATION.--Lat 40°32'31", long 107°23'50", in SW¹/₄SE¹/₄ sec.20, T.7 N., R.89 W., Moffat County, Hydrologic Unit 14050001, on left bank 2.0 mi downstream from Maynard Gulch, and 8.5 mi northeast of Craig.

DRAINAGE AREA.--212 mi².

PERIOD OF RECORD.--August 1995 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09246400

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,280 ft above NGVD of 1929, from topographic map.

REMARKS.--Record fair except for estimated daily discharges, which are poor. Natural flow affected by diversions for irrigation of several hundred acres upstream from station and storage in Elkhead Reservoir.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.72	1.8	1.7	e5.7	e7.0	e12	133	284	73	13	2.0	1.3
2	0.88	2.4	1.7	e5.8	e8.0	e11	206	245	65	12	2.0	1.2
3	1.5	2.9	1.5	e6.5	e8.0	e11	238	261	59	10	1.7	1.2
4	1.5	2.4	1.5	e5.9	e8.0	e11	236	306	55	9.5	1.6	1.4
5	1.4	2.0	1.6	e6.1	e7.0	e11	269	348	51	8.1	1.7	1.6
6	1.3	1.9	1.7	e6.9	e7.0	e10	332	375	47	7.8	1.7	1.4
7	1.1	1.9	2.0	e8.9	e8.0	e9.0	351	361	41	7.8	1.5	1.4
8	1.2	1.9	2.6	e8.4	e8.0	e11	352	331	37	7.3	1.5	1.4
9	1.1	2.0	2.4	e7.6	e8.0	e12	461	308	34	6.7	1.5	1.3
10	1.2	2.7	2.2	e7.8	e8.0	e16	403	280	30	4.0	1.5	1.4
11	1.2	2.3	2.1	e8.2	e8.0	20	278	260	23	4.1	1.4	1.3
12	0.72	1.9	2.0	e8.5	e8.0	27	226	271	27	3.6	1.4	1.2
13	0.63	2.0	2.0	e7.6	e8.0	35	191	290	29	2.9	1.4	1.1
14	1.3	1.9	2.1	e7.7	e7.5	44	206	258	30	2.9	1.4	1.2
15	1.3	2.0	e2.1	e9.0	e8.0	50	249	230	27	2.8	1.4	1.0
16	1.2	2.0	e2.1	e8.0	e7.0	48	253	216	24	3.3	1.4	1.0
17	1.5	2.1	e2.2	e7.0	e8.0	52	292	208	24	3.1	1.4	0.96
18	1.2	1.9	e2.5	e7.0	e8.0	68	311	191	29	2.8	1.6	1.0
19	0.99	1.9	e2.6	e7.0	e8.0	89	283	184	29	3.2	1.6	1.3
20	0.91	1.9	e2.7	e8.0	e9.0	133	241	169	29	2.9	1.5	1.4
21	0.70	1.8	e2.5	e7.0	e9.5	136	228	154	31	3.1	1.4	1.5
22	e0.71	2.3	e2.4	e7.0	e10	153	217	132	34	3.4	1.4	1.4
23	0.69	1.8	e2.4	e7.0	e10	182	188	113	33	3.3	1.4	1.4
24	0.78	1.3	e2.8	e8.0	e10	212	198	102	25	3.2	1.4	1.4
25	0.93	1.5	e3.2	e7.0	e10	215	201	103	20	3.0	1.4	1.3
26	1.2	1.6	e3.5	e7.0	e11	231	198	101	17	2.8	1.4	1.2
27	1.2	1.4	e4.1	e7.0	e11	252	225	90	15	3.0	1.5	1.2
28	1.3	1.1	e5.1	e7.0	e11	199	294	83	13	3.0	1.4	1.2
29	1.3	1.4	e5.4	e8.0	e11	139	313	84	13	2.6	1.4	1.4
30	1.1	1.6	e5.9	e8.0	---	106	326	92	12	1.9	1.4	1.4
31	1.9	---	e6.2	e8.0	---	97	---	83	---	1.8	1.3	---
TOTAL	34.66	57.6	84.8	228.6	250.0	2,602.0	7,899	6,513	976	148.9	46.6	38.46
MEAN	1.12	1.92	2.74	7.37	8.62	83.9	263	210	32.5	4.80	1.50	1.28
MAX	1.9	2.9	6.2	9.0	11	252	461	375	73	13	2.0	1.6
MIN	0.63	1.1	1.5	5.7	7.0	9.0	133	83	12	1.8	1.3	0.96
AC-FT	69	114	168	453	496	5,160	15,670	12,920	1,940	295	92	76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	9.12	10.7	9.60	11.8	13.4	70.5	356	588	127	12.0	5.49	6.54
MAX	39.3	33.2	29.8	29.6	32.0	169	503	1,224	362	39.3	13.6	32.0
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)	(1998)	(1997)	(1997)
MIN	0.81	1.17	1.52	3.09	1.78	5.16	148	78.0	5.31	1.97	1.46	1.05
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2001)	(2001)	(2001)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1995 - 2004
ANNUAL TOTAL	30,044.98	18,879.62	
ANNUAL MEAN	82.3	51.6	102
HIGHEST ANNUAL MEAN			192
LOWEST ANNUAL MEAN			25.1
HIGHEST DAILY MEAN	998	461	1,870
LOWEST DAILY MEAN	0.50	0.63	0.15
ANNUAL SEVEN-DAY MINIMUM	0.82	0.82	0.28
MAXIMUM PEAK FLOW		515	2,430
MAXIMUM PEAK STAGE		3.70	a6.83
ANNUAL RUNOFF (AC-FT)	59,590	37,450	73,980
10 PERCENT EXCEEDS	382	227	341
50 PERCENT EXCEEDS	2.2	7.0	12
90 PERCENT EXCEEDS	1.2	1.3	1.5

e Estimated.

a Maximum gage height, 8.00 ft, Dec 29, 1996, backwater from ice.

09246920 FORTIFICATION CREEK NEAR FORTIFICATION, CO

LOCATION.--Lat 40°44'38", long 107°32'25", in NW¹/₄NW¹/₄ sec.18, T.9 N., R.90 W., Moffat County, Hydrologic Unit 14050001, on right bank 10 ft downstream from County Road 108, and 4.5 mi south of Fortification.

DRAINAGE AREA.--40 mi².

PERIOD OF RECORD.--October 1984 to September 1991, September 2002 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09246920

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,520 ft above NGVD of 1929, from topographic map. Prior to Sept. 5, 2002 at site 30 ft downstream at datum 3.00 ft lower.

REMARKS.--Records fair except for estimated daily discharges, and Jan. 13 to Apr. 26, which are poor. Natural flow of stream affected by diversions for irrigation of hay fields above station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.05	2.2	e2.1	e1.1	2.9	13	18	8.1	e3.3	0.00	0.00
2	0.00	0.05	2.3	e2.1	e1.1	2.6	17	19	8.1	2.5	0.00	0.00
3	0.00	0.06	2.0	e2.0	e1.1	2.6	19	25	8.4	1.8	0.00	0.00
4	0.00	0.08	1.7	2.2	e1.1	2.7	21	25	10	1.4	0.00	0.00
5	0.00	0.36	1.7	2.3	e1.2	2.4	26	28	11	0.69	0.00	0.00
6	0.00	0.87	2.1	e2.4	e1.2	2.4	24	34	12	0.44	0.00	0.00
7	0.00	0.73	2.4	e2.3	e1.3	2.5	19	34	12	0.24	0.00	0.00
8	0.00	1.2	2.0	e2.2	e1.3	3.2	33	33	14	0.09	0.00	0.00
9	0.00	1.4	1.6	e1.9	e1.4	4.5	39	26	13	0.10	0.00	0.00
10	0.00	2.0	1.8	2.0	e1.5	8.7	29	31	12	0.10	0.00	0.00
11	0.00	2.0	2.1	2.0	e1.6	13	21	32	11	0.08	0.00	0.00
12	0.00	1.6	1.9	2.1	e1.7	9.2	18	28	11	0.05	0.00	0.00
13	0.00	1.7	1.8	2.2	e2.0	15	15	25	9.3	0.07	0.00	0.00
14	0.00	2.3	2.0	2.2	e2.1	10	16	20	8.2	0.06	0.00	0.00
15	0.00	2.0	1.6	2.2	e2.2	5.5	18	21	7.0	0.05	0.00	0.00
16	0.00	1.8	1.9	1.8	e2.6	5.8	18	22	5.6	e0.13	0.00	0.00
17	0.00	1.9	1.7	1.8	e2.8	6.5	22	20	6.0	e0.16	0.00	0.00
18	0.00	1.4	1.6	1.9	e3.0	7.2	24	21	e9.9	0.13	0.00	0.00
19	0.00	1.2	1.6	1.8	e3.0	8.5	19	23	8.5	0.12	0.00	0.00
20	0.00	2.0	1.5	1.6	e3.0	11	17	23	6.0	0.12	0.00	0.00
21	0.00	2.1	1.7	1.5	e3.0	8.6	17	24	e7.3	0.09	0.00	0.00
22	0.00	0.95	2.0	1.6	e3.0	8.7	17	22	e8.1	e0.05	0.00	0.00
23	0.01	0.88	1.9	1.7	e3.0	9.8	14	19	5.6	e0.05	0.00	0.00
24	0.02	1.4	1.8	e1.8	e3.0	11	15	17	3.8	e0.06	0.00	0.00
25	0.02	1.8	1.8	e1.3	e3.1	13	15	17	3.1	e0.04	0.00	0.00
26	0.02	1.9	1.9	e1.2	3.2	11	14	18	2.7	0.00	0.00	0.00
27	0.02	1.7	1.9	e1.2	3.5	11	18	16	2.7	0.00	0.00	0.00
28	0.03	1.5	1.9	e1.2	3.5	6.8	24	17	2.6	0.00	0.00	0.00
29	0.04	1.6	2.2	e1.2	3.2	5.7	23	16	e2.2	0.00	0.00	0.00
30	0.04	2.0	2.0	e1.1	---	7.5	24	15	e2.4	0.00	0.00	0.00
31	0.05	---	e2.0	e1.2	---	10	---	11	---	0.00	0.00	---
TOTAL	0.25	40.53	58.6	56.1	64.8	229.3	609	700	231.6	11.92	0.00	0.00
MEAN	0.01	1.35	1.89	1.81	2.23	7.40	20.3	22.6	7.72	0.38	0.00	0.00
MAX	0.05	2.3	2.4	2.4	3.5	15	39	34	14	3.3	0.00	0.00
MIN	0.00	0.05	1.5	1.1	1.1	2.4	13	11	2.2	0.00	0.00	0.00
AC-FT	0.5	80	116	111	129	455	1,210	1,390	459	24	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

	1985	1985	1985	1985	1986	1986	1985	1986	1986	1986	1985	1986
MEAN	2.40	2.46	2.07	2.21	5.21	16.2	33.1	38.8	17.6	1.90	0.32	0.59
MAX	7.48	4.90	4.45	4.64	26.3	33.4	87.0	78.5	58.3	6.41	0.94	1.81
(WY)	(1985)	(1985)	(1985)	(1985)	(1986)	(1986)	(1985)	(1986)	(1986)	(1986)	(1985)	(1986)
MIN	0.01	1.31	1.12	1.29	1.44	2.84	13.4	9.69	6.97	0.07	0.00	0.00
(WY)	(2004)	(1991)	(1988)	(1988)	(1989)	(1988)	(1991)	(1989)	(1987)	(1988)	(1988)	(1990)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	3,541.76		2,002.10			
ANNUAL MEAN	9.70		5.47		10.2	
HIGHEST ANNUAL MEAN					21.6	
LOWEST ANNUAL MEAN					3.64	
HIGHEST DAILY MEAN	77	Apr 26	39	Apr 9	208	Mar 25, 1985
LOWEST DAILY MEAN	0.00	Aug 7	0.00	Oct 1	a0.00	Jul 12, 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 1	0.00	Oct 1	0.00	Jul 12, 1988
MAXIMUM PEAK FLOW			70	Apr 8	465	Mar 25, 1985
MAXIMUM PEAK STAGE			b3.41	Apr 8	4.64	Mar 25, 1985
ANNUAL RUNOFF (AC-FT)	7,030		3,970		7,420	
10 PERCENT EXCEEDS	26		19		31	
50 PERCENT EXCEEDS	2.0		1.9		2.1	
90 PERCENT EXCEEDS	0.01		0.00		0.03	

e Estimated.

a No flow many days, most years.

b Maximum gage height, 3.48 ft, Mar 13, backwater from beaver dam.

09247600 YAMPA RIVER BELOW CRAIG, CO

LOCATION.--Lat 40°28'51", long 107°36'49", in SW¹/₄NW¹/₄ sec.16, T.6 N., R.91 W., Moffat County, Hydrologic Unit 14050001, on left bank 0.5 mi downstream from state highway 13-789 bridge, and 3.3 mi southwest of Craig.

DRAINAGE AREA.--1,750 mi².

PERIOD OF RECORD.--June 1975 to September 1980 (discharge measurements only), October 1984 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09247600

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,100 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation, power plants at Hayden and Craig, transbasin diversions, storage reservoirs, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	149	e233	e204	e185	e230	1,180	2,180	1,900	1,800	197	88
2	157	174	e236	e201	e185	e225	1,410	1,930	1,780	1,400	189	90
3	136	e170	e235	e206	e180	e230	1,600	2,040	2,050	1,070	163	81
4	157	e180	e222	e205	e190	e230	1,680	2,580	2,730	914	159	89
5	180	e180	e218	e208	e190	e230	1,770	3,350	3,020	846	152	133
6	166	e186	e230	e204	e180	e230	2,100	4,140	3,240	791	159	312
7	147	e185	e228	e199	e180	e235	2,260	4,600	3,500	716	165	313
8	125	e176	e223	e201	e185	e280	2,440	4,780	3,610	612	142	311
9	123	e196	e220	e205	e180	341	2,810	4,790	3,420	561	123	252
10	137	e203	e217	e203	e190	365	2,910	4,730	3,170	510	99	179
11	130	e233	e223	e200	e185	441	2,400	4,820	2,550	472	91	168
12	135	e225	e221	e190	e180	529	2,010	4,370	2,040	432	65	164
13	133	e225	e229	e188	e190	544	1,810	3,790	1,860	412	50	158
14	131	e225	e218	e199	e190	609	1,740	3,210	1,880	368	61	133
15	132	e225	e197	e201	e190	639	1,800	2,790	2,010	350	54	135
16	134	e225	e199	e203	e190	621	1,790	2,690	1,920	392	23	115
17	125	e221	e186	e205	e190	601	1,950	2,650	1,940	705	33	109
18	128	e227	e188	e192	e195	705	2,140	2,740	2,150	498	48	106
19	131	e213	e189	e185	e195	837	2,220	3,200	2,220	438	57	101
20	134	e206	e197	e195	e200	1,080	1,970	3,780	1,870	384	175	115
21	133	e227	e210	e190	e195	1,250	1,830	4,050	1,940	363	193	300
22	134	e220	e220	e180	e195	1,390	1,830	3,880	2,070	347	196	553
23	137	e174	e227	e185	e205	1,590	1,590	3,270	1,590	303	191	472
24	136	e199	e223	e190	e205	1,810	1,500	2,940	1,360	318	162	437
25	139	e205	e225	e190	e215	1,970	1,470	2,710	1,230	312	128	403
26	139	e210	e215	e195	e230	2,050	1,430	2,470	1,170	289	106	464
27	132	e219	e210	e200	e260	1,940	1,460	2,330	1,120	267	109	517
28	125	e217	e205	e200	e245	1,760	1,820	2,550	1,060	244	133	526
29	126	e230	e203	e200	e235	1,400	2,150	3,050	980	234	171	522
30	132	e227	e205	e195	---	1,180	2,320	2,910	1,290	204	135	516
31	141	---	e208	e190	---	1,100	---	2,210	---	203	110	---
TOTAL	4,272	6,152	6,660	6,109	5,735	26,642	57,390	101,530	62,670	16,755	3,839	7,862
MEAN	138	205	215	197	198	859	1,913	3,275	2,089	540	124	262
MAX	180	233	236	208	260	2,050	2,910	4,820	3,610	1,800	197	553
MIN	123	149	186	180	180	225	1,180	1,930	980	203	23	81
AC-FT	8,470	12,200	13,210	12,120	11,380	52,840	113,800	201,400	124,300	33,230	7,610	15,590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	303	293	232	227	278	767	2,319	4,783	3,918	928	252	229
MAX	884	506	407	371	841	1,718	4,835	7,524	8,471	3,683	712	1,011
(WY)	(1998)	(1998)	(1985)	(1998)	(1986)	(1986)	(1985)	(1985)	(1995)	(1995)	(1997)	(1997)
MIN	138	165	141	114	111	229	931	1,961	1,139	47.5	25.2	50.6
(WY)	(2004)	(1995)	(2003)	(1989)	(1989)	(1988)	(1995)	(2002)	(2002)	(2002)	(2002)	(1994)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	443,769		305,616			
ANNUAL MEAN	1,216		835		1,213	
HIGHEST ANNUAL MEAN					1,925	
LOWEST ANNUAL MEAN					468	
HIGHEST DAILY MEAN	11,800		4,820		12,000	
LOWEST DAILY MEAN	65		23		0.41	
ANNUAL SEVEN-DAY MINIMUM	86		47		8.9	
MAXIMUM PEAK FLOW			5,280		12,900	
MAXIMUM PEAK STAGE			6.78		10.78	
ANNUAL RUNOFF (AC-FT)	880,200		606,200		878,500	
10 PERCENT EXCEEDS	3,970		2,450		3,930	
50 PERCENT EXCEEDS	215		225		333	
90 PERCENT EXCEEDS	125		133		139	

e Estimated.

09251000 YAMPA RIVER NEAR MAYBELL, CO

LOCATION.--Lat 40°30'10", long 108°01'45", in SE¹/₄NW¹/₄ sec.2, T.6 N., R.95 W., Moffat County, Hydrologic Unit 14050002, on left bank 60 ft downstream from bridge on U.S. Highway 40, 2.0 mi downstream from Lay Creek, and 3.0 mi east of Maybell.

DRAINAGE AREA.--3,410 mi², approximately.

PERIOD OF RECORD.--April 1904 to October 1905, June 1910 to November 1912, April 1916 to current year. Monthly discharge only for some periods, published in WSP 1313. No winter records prior to 1917. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09251000

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,900.23 ft above NGVD of 1929. See WSP 1733 for history of changes prior to Mar. 9, 1937.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions, numerous storage reservoirs, and diversions upstream from station for irrigation of about 65,000 acres upstream from, and about 800 acres downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	166	e280	e255	e255	e305	1,210	2,790	2,250	1,650	165	97
2	160	183	e270	e250	e250	e315	1,390	2,420	2,010	1,910	169	72
3	184	e200	e265	e255	e260	e330	1,630	2,350	1,990	1,300	163	53
4	167	e190	e265	e255	e265	e360	1,820	2,860	2,560	1,040	143	57
5	169	e190	e260	e260	e255	e390	1,830	3,740	3,170	917	138	69
6	200	e180	266	e255	e250	e410	2,120	4,820	3,370	866	132	86
7	201	e190	276	e250	e260	e450	2,430	5,560	3,640	799	131	271
8	182	e210	286	e250	e265	e480	2,590	5,910	3,900	692	139	304
9	162	223	276	e255	e255	e510	2,940	5,950	3,810	597	132	299
10	140	241	243	e250	e265	e530	3,390	5,760	e3,600	542	109	250
11	147	259	262	e250	e250	e535	3,070	5,720	e3,240	493	86	179
12	151	e265	e260	e240	e260	e625	2,420	5,770	e2,910	450	67	149
13	148	e270	e240	e240	e265	740	2,160	4,800	e2,580	414	61	138
14	153	e260	e211	e250	e275	654	1,920	4,110	e2,180	377	46	133
15	150	e255	e220	e250	e270	673	2,000	3,450	e2,050	332	37	117
16	147	e260	e230	e250	e285	e715	2,040	3,180	2,110	326	39	110
17	148	e280	e240	e255	e295	e675	2,080	3,260	2,020	400	43	105
18	151	276	e240	e245	e290	e705	2,400	3,260	2,220	677	29	86
19	140	268	e245	e240	e280	769	2,610	3,700	2,510	525	22	96
20	150	257	e235	e250	e295	933	2,360	4,390	2,200	428	36	95
21	153	252	e230	e250	e310	1,210	2,160	4,880	1,950	363	100	103
22	152	291	e235	e255	e295	1,370	2,090	4,980	2,220	339	185	307
23	150	230	e235	e245	e310	1,540	1,950	4,550	1,960	324	177	592
24	150	188	e235	e260	e305	1,790	1,710	3,860	1,560	279	175	497
25	147	247	e240	e255	e325	2,010	1,680	e3,920	1,350	316	146	457
26	141	e260	e250	e250	e345	2,190	1,640	e3,500	1,300	319	106	429
27	159	e275	e250	e265	e310	2,200	1,610	e3,070	1,200	261	104	493
28	142	e275	e255	e270	e305	2,160	1,850	e2,800	1,140	252	94	546
29	143	e280	e250	e270	e295	1,730	2,490	3,080	1,110	225	97	548
30	138	e275	e250	e275	---	1,390	2,830	3,680	1,080	188	140	545
31	156	---	e255	e265	---	1,240	---	2,850	---	171	118	---
TOTAL	4,837	7,196	7,755	7,865	8,145	29,934	64,420	124,970	69,190	17,772	3,329	7,283
MEAN	156	240	250	254	281	966	2,147	4,031	2,306	573	107	243
MAX	201	291	286	275	345	2,200	3,390	5,950	3,900	1,910	185	592
MIN	138	166	211	240	250	305	1,210	2,350	1,080	171	22	53
AC-FT	9,590	14,270	15,380	15,600	16,160	59,370	127,800	247,900	137,200	35,250	6,600	14,450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2004, BY WATER YEAR (WY)

	345	351	295	278	332	719	2,589	6,211	5,440	1,364	373	245
MEAN	345	351	295	278	332	719	2,589	6,211	5,440	1,364	373	245
MAX	1,174	768	624	610	1,071	2,063	6,496	14,000	12,810	5,819	1,052	1,366
(WY)	(1998)	(1998)	(1948)	(1948)	(1986)	(1986)	(1962)	(1984)	(1917)	(1957)	(1957)	(1997)
MIN	117	184	137	115	160	221	735	1,850	548	20.4	12.7	27.8
(WY)	(1964)	(1977)	(1964)	(1934)	(1964)	(1964)	(1944)	(1977)	(1934)	(1934)	(2002)	(1934)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1916 - 2004	
ANNUAL TOTAL	508,913		352,696			
ANNUAL MEAN	1,394		964		1,547	
HIGHEST ANNUAL MEAN					3,025	
LOWEST ANNUAL MEAN					477	
HIGHEST DAILY MEAN	12,900		5,950		24,400	
LOWEST DAILY MEAN	43		22		1.8	
ANNUAL SEVEN-DAY MINIMUM	59		36		2.6	
MAXIMUM PEAK FLOW			6,350		25,100	
MAXIMUM PEAK STAGE			6.67		12.42	
ANNUAL RUNOFF (AC-FT)	1,009,000		699,600		1,121,000	
10 PERCENT EXCEEDS	4,640		2,880		5,220	
50 PERCENT EXCEEDS	247		275		400	
90 PERCENT EXCEEDS	135		138		173	

e Estimated.

09253000 LITTLE SNAKE RIVER NEAR SLATER, CO

LOCATION.--Lat 40°59'58", long 107°08'34", in SW¹/₄NW¹/₄ sec.15, T.12 N., R.87 W., Routt County, Hydrologic Unit 14050003, on left bank just downstream from highway bridge at Focus Ranch, 0.2 mi downstream from Spring Creek, and 12 mi east of Slater.

DRAINAGE AREA.--285 mi².

PERIOD OF RECORD.--October 1942 to September 1947, October 1950 to September 1999, April 2001 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09253000

REVISED RECORDS.--WSP 1733: 1960.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,831.00 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 2,000 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	e21	e27	e30	e26	e27	199	375	355	183	29	16
2	16	e23	e27	e29	e27	e26	242	383	343	137	27	15
3	27	e25	e28	e30	e27	e27	277	459	343	117	29	14
4	26	e24	e28	e30	e28	e26	285	494	351	110	27	20
5	20	e25	e28	e29	e28	e28	334	584	356	113	25	59
6	19	e24	e30	e29	e26	e34	367	653	365	105	26	46
7	19	e26	e28	e29	e25	e52	380	676	375	92	25	28
8	18	e26	e30	e29	e28	e60	406	676	369	85	22	22
9	19	e25	e27	e29	e27	70	412	672	346	78	20	19
10	19	e27	e28	e28	e26	71	340	671	310	73	18	18
11	20	e28	e29	e29	e29	67	269	679	266	68	17	19
12	20	e28	e30	e29	e30	65	238	640	245	63	17	18
13	20	e27	e29	e29	e30	66	217	580	229	59	16	20
14	20	e27	e28	e29	e30	66	264	520	209	56	15	26
15	21	e26	e29	e30	e29	60	276	522	202	54	14	22
16	22	e26	e30	e30	e31	56	301	499	240	75	15	19
17	22	e26	e31	e29	e31	54	370	489	320	64	15	18
18	22	e27	e31	e28	e31	53	383	503	386	56	18	17
19	22	e28	e30	e29	e31	62	312	589	296	52	30	18
20	22	e28	e30	e29	e31	79	293	610	261	47	31	52
21	23	e28	e30	e28	e30	94	281	632	360	45	31	79
22	23	e28	e29	e27	e31	112	258	612	289	42	28	61
23	23	e28	e27	e27	e30	147	227	555	220	52	29	50
24	24	e30	e28	e27	e29	180	237	508	193	44	26	52
25	23	e28	e30	e28	e30	239	232	479	180	39	23	68
26	20	e26	e31	e28	e29	243	264	459	194	35	23	56
27	e20	e25	e30	e28	e30	230	361	430	170	35	26	47
28	e21	e25	e30	e28	e29	165	439	422	175	37	25	42
29	e20	e25	e31	e28	e29	130	463	456	153	33	20	40
30	e20	e26	e31	e28	---	127	422	416	202	31	19	50
31	e21	---	e31	e28	---	150	---	378	---	32	17	---
TOTAL	648	786	906	888	838	2,866	9,349	16,621	8,303	2,112	703	1,031
MEAN	20.9	26.2	29.2	28.6	28.9	92.5	312	536	277	68.1	22.7	34.4
MAX	27	30	31	30	31	243	463	679	386	183	31	79
MIN	16	21	27	27	25	26	199	375	153	31	14	14
AC-FT	1,290	1,560	1,800	1,760	1,660	5,680	18,540	32,970	16,470	4,190	1,390	2,040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

	38.6	36.0	32.3	31.7	32.7	51.8	263	1,064	914	155	38.7	29.2
MEAN	38.6	36.0	32.3	31.7	32.7	51.8	263	1,064	914	155	38.7	29.2
MAX	91.8	77.8	59.4	74.5	59.5	139	842	2,122	2,231	519	97.3	80.5
(WY)	(1962)	(1962)	(1983)	(1983)	(1962)	(1989)	(1974)	(1984)	(1983)	(1983)	(1945)	(1997)
MIN	16.2	18.4	14.8	16.3	20.4	23.8	77.6	379	178	26.9	12.9	11.0
(WY)	(2003)	(1959)	(1977)	(1945)	(1945)	(1977)	(1973)	(2002)	(1987)	(2002)	(2002)	(1944)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	59,516		45,051			
ANNUAL MEAN	163		123		226	
HIGHEST ANNUAL MEAN					423	
LOWEST ANNUAL MEAN					86.4	
HIGHEST DAILY MEAN	2,000	Jun 1	679	May 11	3,960	May 24, 1984
LOWEST DAILY MEAN	16	Sep 26	14	Aug 15	3.9	Sep 16, 2002
ANNUAL SEVEN-DAY MINIMUM	16	Sep 26	16	Aug 11	6.2	Sep 4, 1988
MAXIMUM PEAK FLOW			786	May 7	4,780	May 23, 1984
MAXIMUM PEAK STAGE			5.55	May 7	a8.78	May 23, 1984
ANNUAL RUNOFF (AC-FT)	118,000		89,360		163,700	
10 PERCENT EXCEEDS	432		381		800	
50 PERCENT EXCEEDS	31		30		40	
90 PERCENT EXCEEDS	20		20		21	

e Estimated.

a Maximum gage height, 9.95 ft, Apr 25, 1974.

09255000 SLATER FORK NEAR SLATER, CO

LOCATION.--Lat 40°58'57", long 107°22'56", in SW¹/₄NE¹/₄ sec.21, T.12 N., R.89 W., Moffat County, Hydrologic Unit 14050003, on right bank 15 ft downstream from highway bridge, 1.0 mi upstream from mouth, and 1.5 mi south of Slater.

DRAINAGE AREA.--161 mi².

PERIOD OF RECORD.--May to October, December 1910, March to October 1911, and April to May 1912 (published as Slater Creek), July 1931 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09255000

REVISED RECORDS.--WSP 618: 1910-11. WSP 764: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,600 ft above NGVD of 1929, from river-profile map. May 28, 1910 to May 25, 1912, nonrecording gage at site 1.5 mi upstream at different datum. July 9, 1931 to May 6, 1932, nonrecording gage at site 0.2 mi downstream at different datum.

REMARKS.--Records good except for period May 20 to July 20, which is fair and estimated daily discharges, which are poor. Diversions for irrigation from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	14	16	17	e13	17	75	162	83	20	5.7	5.0
2	7.5	16	16	18	e13	13	93	165	82	15	6.5	4.1
3	8.2	18	15	18	e13	20	101	194	85	11	7.3	2.6
4	9.2	17	13	17	e13	15	103	220	100	13	7.5	3.9
5	10	16	13	17	e13	20	119	246	97	14	6.9	11
6	11	15	16	17	e13	20	146	285	95	13	5.7	16
7	12	12	16	18	e13	18	157	286	110	11	5.6	10
8	11	16	15	17	e13	19	193	274	95	13	5.3	8.0
9	11	14	14	17	e13	22	215	270	86	12	4.1	6.2
10	11	17	11	16	e13	24	180	273	77	12	3.3	6.4
11	11	16	17	16	e13	22	147	271	63	11	3.0	6.6
12	11	15	15	16	e13	23	136	242	51	8.7	4.4	6.0
13	11	15	15	15	e13	23	101	233	42	8.6	5.0	6.3
14	11	19	15	e15	e12	24	120	203	38	7.0	5.0	9.4
15	12	17	14	e15	e12	23	134	198	41	5.4	5.1	8.0
16	12	15	12	e15	e12	20	131	188	38	5.5	5.4	5.9
17	11	16	14	e15	e12	20	167	174	40	6.5	5.0	3.8
18	11	12	15	e15	e12	22	168	177	63	7.3	2.7	3.2
19	12	15	13	e15	e12	27	129	200	70	9.2	8.1	4.2
20	12	16	13	e15	e12	40	116	206	60	9.7	12	14
21	12	15	13	e15	e12	46	113	206	77	7.4	12	24
22	12	11	13	e14	e12	54	105	177	93	7.9	10	25
23	13	10	12	e14	e12	70	93	140	59	9.3	8.7	19
24	12	14	12	e14	e12	83	95	128	41	8.6	9.0	18
25	12	16	13	e14	e11	103	89	123	32	6.9	7.9	19
26	11	15	14	e14	11	102	100	127	24	6.0	7.6	18
27	13	14	14	e14	9.9	102	132	120	22	6.5	7.8	16
28	13	13	15	e14	8.0	74	183	129	29	6.8	8.1	14
29	13	15	16	e14	12	57	186	143	22	6.7	7.6	13
30	13	17	16	e14	---	58	188	118	21	6.2	6.5	13
31	14	---	17	e13	---	62	---	92	---	6.1	5.4	---
TOTAL	350.2	451	443	478	352.9	1,243	4,015	5,970	1,836	291.3	204.2	319.6
MEAN	11.3	15.0	14.3	15.4	12.2	40.1	134	193	61.2	9.40	6.59	10.7
MAX	14	19	17	18	13	103	215	286	110	20	12	25
MIN	7.3	10	11	13	8.0	13	75	92	21	5.4	2.7	2.6
AC-FT	695	895	879	948	700	2,470	7,960	11,840	3,640	578	405	634

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2004, BY WATER YEAR (WY)

MEAN	19.9	19.2	17.4	17.2	18.6	29.8	120	377	245	36.6	9.71	11.5
MAX	62.4	49.2	44.1	36.9	46.5	144	323	801	660	189	38.4	55.0
(WY)	(1986)	(1985)	(1985)	(1985)	(1986)	(1998)	(1985)	(1984)	(1995)	(1983)	(1945)	(1984)
MIN	7.29	7.73	7.30	4.42	9.83	12.6	25.2	45.7	16.0	1.27	1.39	3.20
(WY)	(1934)	(1934)	(1932)	(1992)	(1981)	(1965)	(1933)	(1934)	(2002)	(1977)	(1994)	(1960)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1932 - 2004

ANNUAL TOTAL	22,687.3			15,954.2					
ANNUAL MEAN	62.2			43.6			77.0		
HIGHEST ANNUAL MEAN							157		
LOWEST ANNUAL MEAN							20.5		
HIGHEST DAILY MEAN	809			Jun 1			286 May 7		
LOWEST DAILY MEAN	1.8			Aug 11			2.6 Sep 3		
ANNUAL SEVEN-DAY MINIMUM	2.0			Aug 9			4.3 Aug 9		
MAXIMUM PEAK FLOW							332 May 7		
MAXIMUM PEAK STAGE							5.71 May 7		
ANNUAL RUNOFF (AC-FT)	45,000						31,650		
10 PERCENT EXCEEDS	186						135		
50 PERCENT EXCEEDS	14						15		
90 PERCENT EXCEEDS	4.8						6.6		

e Estimated.

a Also occurred several days during years 1936, 1954, and 1977.

b From rating curve extended above 1,000 ft³/s.

c From floodmark.

09260000 LITTLE SNAKE RIVER NEAR LILY, CO

LOCATION.--Lat 40°32'50", long 108°25'25", in NW¹/₄NE¹/₄ sec.20, T.7 N., R.98 W., Moffat County, Hydrologic Unit 14050003, on left bank 170 ft downstream from highway bridge, 6.0 mi north of Lily, and 10 mi upstream from mouth.

DRAINAGE AREA.--3,730 mi², approximately.

PERIOD OF RECORD.--June to August 1904 (published as "near Maybell"), October 1921 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09260000

REVISED RECORDS.--WSP 1713: 1959.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,685 ft above NGVD of 1929, from river-profile map. June 9 to Aug. 14, 1904, nonrecording gage, and May 5, 1922 to Nov. 30, 1935, water-stage recorder, at site 300 ft upstream at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 21,000 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.37	30	e46	e54	e75	e100	417	760	756	261	40	29
2	0.36	45	e49	e56	e73	e120	406	719	642	285	31	18
3	22	71	e52	e58	e73	e140	461	598	574	365	29	11
4	10	78	e46	e61	e75	e180	552	561	508	239	33	121
5	4.3	67	e38	e62	e75	250	638	621	496	197	16	63
6	2.9	77	e34	e58	e76	259	666	707	488	173	7.9	286
7	14	82	e33	e59	e76	258	759	912	497	144	7.4	165
8	9.2	79	e28	e60	e77	276	856	1,160	521	122	4.6	89
9	6.8	79	e43	e64	e77	270	934	1,190	560	104	6.2	48
10	9.8	81	e49	e68	e76	365	1,050	1,150	529	79	3.4	31
11	30	64	e59	e70	e75	616	1,040	1,150	531	67	1.4	28
12	35	73	e56	e70	e76	473	837	1,180	506	64	2.2	39
13	19	82	e48	e72	e75	433	657	1,320	462	55	1.9	76
14	9.2	99	e57	e72	e74	400	602	1,200	413	53	1.3	37
15	7.5	91	e66	e76	e75	391	520	1,090	366	48	1.1	16
16	7.1	88	e72	e76	e76	347	542	921	311	44	0.88	11
17	7.5	94	e63	e75	e76	323	605	856	286	39	0.48	8.2
18	9.4	98	e56	e75	e76	294	627	794	282	27	2.4	4.8
19	10	91	e50	e73	e76	268	759	737	294	78	57	18
20	11	87	e56	e75	e77	268	815	763	438	57	20	123
21	14	86	e55	e76	e77	290	683	940	486	45	93	74
22	19	65	e57	e75	e77	355	655	1,030	418	53	33	154
23	22	e45	e62	e76	e77	386	691	1,100	608	148	7.4	112
24	23	e25	e61	e76	e78	395	653	1,100	569	502	21	149
25	20	e23	e59	e77	e78	456	555	e1,010	397	344	36	136
26	20	e23	e60	e77	e78	520	512	e915	306	161	17	109
27	22	e28	e61	e77	e78	666	479	e798	274	145	16	95
28	22	e39	e63	e77	e80	677	457	791	254	111	16	94
29	23	e43	e61	e76	e80	696	546	743	269	77	74	111
30	22	e44	e52	e76	---	556	715	717	280	59	62	e100
31	26	---	e52	e77	---	456	---	784	---	56	42	---
TOTAL	458.43	1,977	1,644	2,174	2,212	11,484	19,689	28,317	13,321	4,202	684.56	2,356.0
MEAN	14.8	65.9	53.0	70.1	76.3	370	656	913	444	136	22.1	78.5
MAX	35	99	72	77	80	696	1,050	1,320	756	502	93	286
MIN	0.36	23	28	54	73	100	406	561	254	27	0.48	4.8
AC-FT	909	3,920	3,260	4,310	4,390	22,780	39,050	56,170	26,420	8,330	1,360	4,670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

MEAN	113	121	97.7	91.6	124	380	1,058	2,528	1,842	294	67.8	55.0
MAX	385	363	244	227	595	1,260	3,259	5,967	4,601	1,395	534	314
(WY)	(1926)	(1928)	(1928)	(1999)	(1986)	(1962)	(1952)	(1984)	(1983)	(1995)	(1941)	(1965)
MIN	0.00	0.00	25.0	16.0	18.0	80.5	320	477	36.7	0.29	0.00	0.00
(WY)	(1935)	(1935)	(1931)	(1933)	(1933)	(1964)	(1961)	(1934)	(1934)	(1934)	(1924)	(1934)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1922 - 2004
ANNUAL TOTAL	132,244.91	88,518.99	
ANNUAL MEAN	362	242	565
HIGHEST ANNUAL MEAN			1,252
LOWEST ANNUAL MEAN			110
HIGHEST DAILY MEAN	3,820	Jun 1	13,400
LOWEST DAILY MEAN	0.00	Aug 11	a0.00
ANNUAL SEVEN-DAY MINIMUM	0.07	Sep 2	0.00
MAXIMUM PEAK FLOW		1,380	16,700
MAXIMUM PEAK STAGE		3.39	b9.85
ANNUAL RUNOFF (AC-FT)	262,300	175,600	409,600
10 PERCENT EXCEEDS	1,040	716	1,900
50 PERCENT EXCEEDS	78	77	126
90 PERCENT EXCEEDS	1.9	16	12

e Estimated.

a No flow at times some years.

b Maximum gage height, 11.10 ft, Feb 13, 1962, backwater from ice.

09260050 YAMPA RIVER AT DEERLODGE PARK, CO

LOCATION.--Lat 40°27'06", long 108°31'28", in SE¹/₄SW¹/₄ sec.21, T.6 N., R.99 W., Moffat County, Hydrologic Unit 14050002, in Dinosaur National Monument, on left bank at Deerlodge Park, 1,150 ft upstream from Disappointment Draw, and 5.5 mi downstream from Little Snake River.

DRAINAGE AREA.--7,660 mi², approximately.

PERIOD OF RECORD.--August 1975 and January 1978 (discharge measurements only) April 1982 to September 1994, and October 1996 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09260050

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,600 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1996, gage located 100 ft upstream at same datum.

REMARKS.--Records good except discharges below 600 ft³/s, which are fair, and for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions, numerous storage reservoirs and diversions for irrigation of about 86,800 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	196	e325	e310	e330	e350	1,760	3,530	3,320	1,620	265	157
2	169	231	e320	e305	e335	e370	1,760	3,320	2,900	2,240	221	123
3	172	289	e315	e315	e330	e390	1,970	2,940	2,710	2,130	225	106
4	213	343	e310	e320	e330	e420	2,250	3,060	2,800	1,670	211	99
5	219	e350	e300	e320	e325	e550	2,430	3,740	3,430	1,440	186	155
6	194	e350	e300	e320	e325	729	2,520	4,870	3,870	1,270	170	207
7	220	e350	e310	e310	e320	756	2,910	5,940	4,100	1,170	160	251
8	254	339	e315	e310	e325	748	3,150	6,730	4,360	1,030	153	289
9	229	334	e320	e320	e320	796	3,440	6,980	4,410	866	151	334
10	204	340	e295	e320	e330	737	3,880	6,840	4,150	762	147	335
11	171	339	e320	e320	e310	1,120	4,030	6,630	3,910	659	128	290
12	169	353	e315	e310	e320	1,120	3,470	6,870	3,390	609	107	222
13	184	e360	e290	e310	e315	1,150	2,890	6,430	2,980	558	102	196
14	159	e365	e270	e320	e320	1,150	2,590	5,630	2,770	518	84	181
15	172	e360	e285	e325	e325	1,060	2,370	5,050	2,700	484	80	148
16	178	e360	e305	e340	e320	1,040	2,440	4,510	2,720	444	63	140
17	171	e350	e300	e350	e330	1,030	2,490	4,300	2,680	409	56	130
18	171	e350	e295	e330	e320	954	2,670	4,300	2,720	519	62	135
19	163	e340	e295	e320	e310	931	2,980	4,500	3,120	703	103	129
20	158	e335	e290	e320	e310	1,050	3,160	4,950	3,250	595	87	167
21	162	e340	e285	e315	e310	1,260	2,900	5,540	2,840	511	83	208
22	183	e330	e290	e315	e315	1,540	2,710	5,850	2,690	450	96	202
23	195	244	e295	e310	e315	1,940	2,690	5,670	2,940	470	190	415
24	194	269	e295	e325	e315	2,120	2,560	4,990	2,630	e500	191	658
25	180	e300	e300	e320	e320	2,400	2,320	4,620	2,190	e550	216	632
26	177	e320	e310	e310	e320	2,620	2,240	4,260	1,960	e530	206	588
27	184	e350	e310	e325	e320	2,870	2,210	3,940	1,810	473	157	554
28	202	e345	e320	e330	e320	2,800	2,260	3,760	1,720	417	135	596
29	193	e340	e310	e325	e330	2,720	2,690	3,720	1,660	379	135	642
30	172	e330	e300	e330	---	2,280	3,330	4,070	1,660	347	161	665
31	173	---	e310	e330	---	1,930	---	3,960	---	283	171	---
TOTAL	5,761	9,802	9,400	9,930	9,315	40,931	81,070	151,500	88,390	24,606	4,502	8,954
MEAN	186	327	303	320	321	1,320	2,702	4,887	2,946	794	145	298
MAX	254	365	325	350	335	2,870	4,030	6,980	4,410	2,240	265	665
MIN	158	196	270	305	310	350	1,760	2,940	1,660	283	56	99
AC-FT	11,430	19,440	18,640	19,700	18,480	81,190	160,800	300,500	175,300	48,810	8,930	17,760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

	539	578	429	421	541	1,434	3,634	8,027	6,609	1,511	461	363
MEAN	539	578	429	421	541	1,434	3,634	8,027	6,609	1,511	461	363
MAX	1,412	1,127	832	742	1,811	3,200	8,211	18,330	16,120	5,890	1,537	1,594
(WY)	(1998)	(1986)	(1985)	(1998)	(1986)	(1986)	(1985)	(1984)	(1984)	(1983)	(1984)	(1997)
MIN	133	189	236	210	223	563	1,965	2,442	1,378	34.4	21.6	45.6
(WY)	(1990)	(1990)	(1990)	(1989)	(1989)	(2002)	(1992)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	626,742		444,161			
ANNUAL MEAN	1,717		1,214		2,049	
HIGHEST ANNUAL MEAN					4,286	
LOWEST ANNUAL MEAN					678	
HIGHEST DAILY MEAN	15,700		6,980		32,300	
LOWEST DAILY MEAN	62		56		1.9	
ANNUAL SEVEN-DAY MINIMUM	73		76		4.1	
MAXIMUM PEAK FLOW			7,290		33,200	
MAXIMUM PEAK STAGE			7.34		19.13	
ANNUAL RUNOFF (AC-FT)	1,243,000		881,000		1,484,000	
10 PERCENT EXCEEDS	5,970		3,490		6,310	
50 PERCENT EXCEEDS	337		335		640	
90 PERCENT EXCEEDS	172		169		205	

e Estimated.

09304115 WHITE RIVER BELOW NORTH ELK CREEK NEAR BUFORD, CO

LOCATION.--Lat 39°57'00", long 107°41'39", in SE¹/₄SE¹/₄ sec.22, T.1 S., R.92 W., Rio Blanco County, Hydrologic Unit 14050005, on left bank at County Road 8 bridge, 0.7 mi downstream from North Elk Creek, and 4.8 mi southwest of Buford.

DRAINAGE AREA.--529 mi².

PERIOD OF RECORD.--January 2003 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09304115

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,780 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	312	291	284	265	e216	241	432	749	1,030	618	337	275
2	306	319	274	267	e239	227	454	772	1,030	557	345	278
3	298	320	263	258	e250	248	470	901	1,070	511	348	269
4	287	293	252	250	e243	243	471	1,060	1,140	486	330	308
5	299	291	254	e209	249	236	562	1,240	1,180	485	351	346
6	299	283	271	e201	242	239	553	1,430	1,350	478	351	317
7	289	283	269	280	e203	240	567	1,520	1,440	455	334	293
8	281	284	281	272	257	244	654	1,570	1,500	436	328	287
9	292	277	283	264	264	256	676	1,560	1,450	423	317	280
10	287	299	e248	254	e216	268	634	1,610	1,370	424	307	283
11	289	301	270	250	e253	260	560	1,710	1,180	424	296	283
12	286	285	256	e255	e205	264	550	1,530	1,080	411	302	277
13	285	290	241	e248	e209	270	523	1,330	997	403	297	275
14	282	300	279	e250	e232	269	552	1,160	969	394	292	275
15	281	288	264	247	e254	277	572	1,060	924	398	287	282
16	280	283	e256	271	257	269	611	1,040	904	428	293	281
17	278	291	e237	e261	255	272	688	1,040	892	435	296	269
18	276	283	e285	e252	263	283	710	1,120	934	464	307	277
19	276	269	e279	e240	258	300	625	1,350	847	425	316	294
20	274	283	e302	254	248	330	592	1,540	799	399	315	345
21	272	289	279	236	245	355	578	1,590	759	387	317	408
22	268	301	275	e220	250	379	552	1,510	714	380	334	364
23	267	e259	e248	e237	245	406	527	1,360	667	393	333	343
24	266	e255	e251	239	242	421	511	1,330	622	400	312	351
25	262	260	259	262	248	448	542	1,230	603	377	298	360
26	259	271	283	e239	242	483	546	1,180	589	350	305	359
27	275	e285	256	e231	250	491	631	1,240	574	352	329	354
28	273	e238	233	e241	249	429	756	1,290	570	368	311	344
29	272	276	224	e245	245	380	842	1,410	568	356	309	345
30	270	294	255	e254	---	381	822	1,230	639	346	301	365
31	283	---	269	e246	---	391	---	1,080	---	339	287	---
TOTAL	8,724	8,541	8,180	7,698	7,029	9,800	17,763	39,742	28,391	13,102	9,785	9,387
MEAN	281	285	264	248	242	316	592	1,282	946	423	316	313
MAX	312	320	302	280	264	491	842	1,710	1,500	618	351	408
MIN	259	238	224	201	203	227	432	749	568	339	287	269
AC-FT	17,300	16,940	16,230	15,270	13,940	19,440	35,230	78,830	56,310	25,990	19,410	18,620

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	281	285	264	248	234	281	536	1,427	1,424	488	343	333
MAX	281	285	264	248	242	316	592	1,573	1,902	554	371	354
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	281	285	264	248	225	247	480	1,282	946	423	316	313
(WY)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	168,142			
ANNUAL MEAN	459		459	
HIGHEST ANNUAL MEAN			459	
LOWEST ANNUAL MEAN			459	
HIGHEST DAILY MEAN	1,710	May 11	3,840	Jun 2, 2003
LOWEST DAILY MEAN	e201	Jan 6	149	Feb 7, 2003
ANNUAL SEVEN-DAY MINIMUM	230	Feb 7	185	Feb 4, 2003
MAXIMUM PEAK FLOW	1,810	May 11	4,180	Jun 2, 2003
MAXIMUM PEAK STAGE	3.87	May 11	5.54	Jun 2, 2003
ANNUAL RUNOFF (AC-FT)	333,500		332,800	
10 PERCENT EXCEEDS	1,050		1,050	
50 PERCENT EXCEEDS	298		298	
90 PERCENT EXCEEDS	245		245	

e Estimated.

09304200 WHITE RIVER ABOVE COAL CREEK NEAR MEEKER, CO

LOCATION.--Lat 40°00'18", long 107°49'29", in NW¹/₄NW¹/₄ sec.3, T.1 S., R.93 W., Rio Blanco County, Hydrologic Unit 14050005, on left bank 15 ft downstream from county road bridge, 2.3 mi upstream from Coal Creek, and 5.0 mi southeast of Meeker.

DRAINAGE AREA.--648 mi².

PERIOD OF RECORD.--October 1961 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09304200

REVISED RECORDS.--WDR CO-79-3: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,400 ft above NGVD of 1929, from topographic map. Oct. 1, 1961 to Sept. 30, 1976, at site 76 ft upstream at datum 2.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion upstream from station for irrigation of about 8,000 acres and about 4,000 acres downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	228	274	305	299	228	238	432	650	585	310	158	e27
2	245	308	293	285	252	221	456	664	580	271	161	e26
3	244	314	282	285	253	245	471	743	624	249	173	e27
4	237	286	274	266	257	238	467	872	676	247	157	e29
5	243	277	272	220	253	230	553	1,110	747	292	160	e31
6	248	275	286	208	245	232	563	1,360	910	329	166	e28
7	246	283	289	332	213	234	560	1,470	1,030	324	145	e26
8	241	281	305	310	254	238	646	1,550	1,110	311	140	e18
9	257	276	294	300	250	251	679	1,510	1,070	303	127	e17
10	253	298	262	281	227	265	642	1,520	972	305	116	e16
11	256	319	327	276	263	259	571	1,640	776	294	93	e16
12	253	301	301	268	207	258	558	1,420	634	302	e74	e15
13	251	304	268	261	220	267	530	1,150	559	289	e69	e14
14	250	318	302	263	244	273	554	922	521	260	e64	e13
15	250	303	290	287	268	284	575	784	456	205	e59	e12
16	248	298	270	304	268	273	602	750	434	234	e55	e14
17	245	313	250	264	241	275	657	713	428	301	51	e38
18	238	308	300	255	251	282	675	769	475	331	45	71
19	239	287	294	253	251	302	599	1,040	409	285	37	87
20	241	306	319	280	242	333	558	1,290	371	249	e31	133
21	246	309	325	252	234	361	533	1,330	337	234	e25	227
22	249	309	303	224	241	389	513	1,250	308	221	e28	229
23	249	273	262	249	238	421	483	1,060	274	239	e28	216
24	245	267	264	268	235	440	467	1,010	245	247	e27	211
25	244	304	297	259	241	461	497	855	242	229	e25	231
26	240	317	307	253	237	489	481	769	240	215	e25	229
27	257	303	279	237	243	508	539	820	232	195	e29	227
28	255	251	266	254	247	448	653	875	238	203	e28	224
29	243	298	277	258	243	396	741	1,010	230	193	e26	234
30	239	317	307	258	---	388	717	851	301	173	e25	245
31	260	---	298	260	---	392	---	673	---	163	e27	---
TOTAL	7,640	8,877	8,968	8,269	7,046	9,891	16,972	32,430	16,014	8,003	2,374	2,931
MEAN	246	296	289	267	243	319	566	1,046	534	258	76.6	97.7
MAX	260	319	327	332	268	508	741	1,640	1,110	331	173	245
MIN	228	251	250	208	207	221	432	650	230	163	25	12
AC-FT	15,150	17,610	17,790	16,400	13,980	19,620	33,660	64,320	31,760	15,870	4,710	5,810

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

	349	338	304	291	286	307	516	1,491	1,672	558	279	249
MEAN	349	338	304	291	286	307	516	1,491	1,672	558	279	249
MAX	616	488	426	405	387	448	1,034	2,785	3,526	1,924	759	586
(WY)	(1998)	(1987)	(1998)	(1998)	(1986)	(1986)	(1985)	(1985)	(1984)	(1995)	(1984)	(1997)
MIN	141	229	184	181	208	225	319	397	86.7	22.5	21.5	41.3
(WY)	(1978)	(1978)	(1977)	(1977)	(1978)	(1977)	(1991)	(1977)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004	
ANNUAL TOTAL	173,163		129,415			
ANNUAL MEAN	474		354		554	
HIGHEST ANNUAL MEAN					966	
LOWEST ANNUAL MEAN					208	
HIGHEST DAILY MEAN	3,730	Jun 2	1,640	May 11	5,360	Jun 26, 1983
LOWEST DAILY MEAN	30	Aug 16	e12	Sep 15	6.5	Jul 19, 1977
ANNUAL SEVEN-DAY MINIMUM	42	Aug 16	14	Sep 10	8.8	Jul 16, 1977
MAXIMUM PEAK FLOW			1,760	May 11	5,740	Jun 26, 1983
MAXIMUM PEAK STAGE			4.21	May 11	7.07	Jun 26, 1983
ANNUAL RUNOFF (AC-FT)	343,500		256,700		401,200	
10 PERCENT EXCEEDS	1,140		714		1,330	
50 PERCENT EXCEEDS	262		268		326	
90 PERCENT EXCEEDS	127		70		210	

e Estimated.

09304500 WHITE RIVER NEAR MEEKER, CO

LOCATION.--Lat 40°02'01", long 107°51'42", in NE¹/₄NE¹/₄ sec.30, T.1 N., R.93 W., Rio Blanco County, Hydrologic Unit 14050005, on left bank at downstream abutment of private bridge, 1.0 mi upstream from Curtis Creek and 2.5 mi east of Meeker.

DRAINAGE AREA.--755 mi².

PERIOD OF RECORD.--June 1901 to December 1906, October 1909 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at Meeker" 1901-13. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09304500

REVISED RECORDS.--WDR CO-79-3: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,300 ft above NGVD of 1929, from topographic map. Prior to Oct. 31, 1906, and May 7 to Aug. 13, 1910, nonrecording gage, and Aug. 14, 1910 to Oct. 19, 1913, water-stage recorder, at site 2.5 mi downstream, at different datum. Oct. 20, 1913 to Sept. 30, 1971, water-stage recorder at present site, at datum 3.00 ft higher, prior to Oct. 1, 1933, and at datum 2.00 ft higher, thereafter.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 12,000 acres upstream from station, and about 3,000 acres downstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	289	313	323	312	252	258	442	675	738	483	240	141
2	302	347	312	298	273	240	466	676	726	433	251	135
3	303	368	295	295	281	266	483	758	766	394	262	133
4	296	342	288	284	282	260	482	895	836	383	237	155
5	296	327	285	246	273	252	563	1,130	902	413	248	180
6	302	325	300	226	263	256	589	1,390	1,080	423	261	157
7	303	324	299	e231	243	258	571	1,520	1,220	409	248	148
8	296	323	318	e242	292	267	667	1,600	1,310	399	236	134
9	311	318	297	e245	274	287	718	1,560	1,280	376	222	127
10	309	337	269	e257	241	309	686	1,580	1,190	375	204	123
11	307	353	356	e266	291	300	605	1,690	974	373	188	126
12	308	333	334	276	242	296	590	1,490	826	356	181	123
13	303	322	276	266	255	299	557	1,230	739	347	183	119
14	303	339	316	268	264	293	569	995	672	338	175	121
15	303	328	305	296	292	298	593	846	611	293	167	121
16	303	322	275	330	284	291	619	787	594	340	159	125
17	299	326	259	288	263	288	678	745	596	386	141	146
18	292	321	e286	275	274	295	707	796	662	407	143	182
19	293	302	e270	277	269	308	632	1,090	602	370	136	209
20	296	320	e302	313	264	339	582	1,360	549	326	130	265
21	296	321	348	284	259	359	555	1,440	525	315	134	353
22	299	316	319	241	264	386	528	1,360	490	300	144	352
23	299	287	277	265	260	413	489	1,160	439	314	150	325
24	298	283	278	295	256	440	464	1,120	410	324	142	311
25	295	336	315	294	263	452	497	995	392	311	140	337
26	289	332	323	274	260	495	482	903	385	295	139	335
27	301	333	304	265	266	522	538	937	385	282	151	333
28	302	292	281	278	269	467	664	1,010	397	288	140	328
29	292	338	274	279	264	410	766	1,180	395	278	142	341
30	292	330	301	279	---	407	747	1,060	478	257	145	347
31	303	---	301	284	---	406	---	834	---	242	145	---
TOTAL	9,280	9,758	9,286	8,529	7,733	10,417	17,529	34,812	21,169	10,830	5,584	6,332
MEAN	299	325	300	275	267	336	584	1,123	706	349	180	211
MAX	311	368	356	330	292	522	766	1,690	1,310	483	262	353
MIN	289	283	259	226	241	240	442	675	385	242	130	119
AC-FT	18,410	19,350	18,420	16,920	15,340	20,660	34,770	69,050	41,990	21,480	11,080	12,560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

MEAN	391	369	332	313	309	343	551	1,553	1,862	674	383	354
MAX	687	648	472	441	420	522	1,094	2,829	4,091	2,524	866	735
(WY)	(1998)	(1929)	(1998)	(1998)	(1930)	(1986)	(1962)	(1985)	(1921)	(1957)	(1984)	(1997)
MIN	215	255	233	225	232	261	313	499	230	116	132	152
(WY)	(1978)	(1978)	(1978)	(1981)	(1935)	(1935)	(1944)	(1977)	(2002)	(1977)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1910 - 2004
ANNUAL TOTAL	188,085	151,259	
ANNUAL MEAN	515	413	620
HIGHEST ANNUAL MEAN			1,044
LOWEST ANNUAL MEAN			274
HIGHEST DAILY MEAN	3,820	1,690	6,320
LOWEST DAILY MEAN	152	119	78
ANNUAL SEVEN-DAY MINIMUM	169	123	86
MAXIMUM PEAK FLOW		1,780	6,950
MAXIMUM PEAK STAGE		4.29	a6.12
ANNUAL RUNOFF (AC-FT)	373,100	300,000	449,200
10 PERCENT EXCEEDS	1,130	772	1,450
50 PERCENT EXCEEDS	299	304	370
90 PERCENT EXCEEDS	210	182	267

e Estimated.

a Maximum gage height, 7.60 ft, Jun 16, 1921, present datum.

09306200 PICEANCE CREEK BELOW RYAN GULCH NEAR RIO BLANCO, CO

LOCATION.--Lat 39°55'16", long 108°17'49", in SE¹/₄NE¹/₄, sec.32, T.1 S., R.97 W., Rio Blanco County, Hydrologic Unit 14050006, on left bank at downstream side of bridge, 40 ft downstream from Ryan Gulch, and 23 mi northwest of Rio Blanco.

DRAINAGE AREA.--506 mi².

PERIOD OF RECORD.--October 1964 to September 1998, August 1999 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09306200

REVISED RECORDS.--WDR CO-79-3: 1977 (M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,070 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges which are poor. Diversions for irrigation upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.2	e5.3	e6.5	e11	22	4.4	3.0	7.2	8.2	4.0	5.7
2	3.8	4.5	e5.4	e6.6	e12	20	4.0	3.2	7.4	7.2	3.8	3.6
3	3.6	6.8	e5.5	e6.2	e9.4	19	e4.1	3.2	8.8	7.1	4.6	3.2
4	3.7	6.3	e5.7	e6.9	e9.6	19	e4.0	2.5	8.6	7.4	4.8	4.2
5	3.9	5.9	e5.5	e6.3	e9.8	19	e4.5	0.95	7.8	8.0	5.0	5.6
6	2.9	5.5	e5.3	e6.8	e9.3	18	e3.7	1.0	7.7	8.0	4.7	4.2
7	2.7	3.5	e5.9	e7.1	e10	19	2.9	0.95	8.0	7.2	4.2	3.8
8	2.5	3.1	e5.2	e7.5	e11	21	3.2	0.52	e4.4	6.7	3.9	2.7
9	2.5	3.2	e6.2	e8.0	e8.4	22	5.3	0.56	3.3	6.5	4.6	3.0
10	2.4	3.4	e4.5	e8.1	e9.1	21	5.4	1.2	4.6	6.5	5.8	3.1
11	2.4	3.3	e5.3	e7.8	e10	19	4.8	11	5.2	7.0	3.9	20
12	3.0	3.9	e5.8	e7.5	e9.8	19	5.2	13	5.2	6.6	4.0	7.3
13	3.2	2.8	e6.5	e7.9	e7.5	18	4.4	5.8	5.2	6.0	3.5	6.3
14	3.3	2.7	e6.0	e7.5	e7.9	17	3.0	7.5	4.2	4.9	2.7	4.6
15	3.8	2.7	e4.8	e7.9	e7.6	16	3.3	10	3.6	5.4	3.5	3.8
16	4.7	2.7	e5.3	e8.3	e9.1	16	4.4	13	4.0	6.4	3.9	3.9
17	4.1	3.0	e7.2	e8.4	e11	15	2.7	12	5.2	6.8	4.3	3.7
18	5.0	2.6	e6.9	e8.6	e14	15	2.3	11	5.8	20	4.4	3.6
19	4.5	2.5	e6.5	e8.8	e15	14	2.7	8.4	4.4	3.8	5.3	4.2
20	3.3	2.7	e6.8	e9.0	e14	14	2.8	8.8	4.4	4.9	4.3	5.1
21	3.6	2.8	e6.9	e9.1	e18	12	3.2	7.1	4.6	4.9	3.1	5.4
22	3.6	e3.9	e6.9	e9.5	21	12	2.9	7.6	4.4	4.6	3.9	5.8
23	3.4	e5.5	e6.5	e9.4	24	7.9	3.0	6.1	4.0	5.1	4.4	4.9
24	3.7	e5.6	e6.8	e9.7	24	4.5	2.9	5.8	3.9	4.3	5.7	4.3
25	2.9	e6.3	e7.0	e9.8	24	6.1	3.1	5.4	4.8	4.2	6.0	4.2
26	2.3	e5.3	e6.8	e9.5	28	4.6	3.0	4.8	5.5	4.7	6.8	4.1
27	2.7	e5.3	e7.1	e9.9	32	6.0	3.2	5.2	6.0	5.9	9.1	4.4
28	3.1	e5.4	e7.0	e10	30	6.6	3.2	7.0	6.2	5.6	8.1	4.3
29	3.1	e5.2	e5.4	e10	25	6.9	3.9	8.3	7.2	4.7	7.7	4.8
30	3.1	e5.0	e6.0	e11	---	7.8	4.2	10	8.0	4.6	8.2	6.3
31	4.0	---	e6.5	e11	---	4.4	---	8.3	---	4.4	7.4	---
TOTAL	105.2	125.6	188.5	260.6	431.5	441.8	109.7	193.18	169.6	197.6	155.6	150.1
MEAN	3.39	4.19	6.08	8.41	14.9	14.3	3.66	6.23	5.65	6.37	5.02	5.00
MAX	5.0	6.8	7.2	11	32	22	5.4	13	8.8	20	9.1	20
MIN	2.3	2.5	4.5	6.2	7.5	4.4	2.3	0.52	3.3	3.8	2.7	2.7
AC-FT	209	249	374	517	856	876	218	383	336	392	309	298

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	20.6	24.7	23.1	20.7	24.0	32.9	44.2	62.1	30.2	22.5	28.2	20.3
MAX	69.9	58.4	60.9	55.5	61.0	112	228	326	166	98.7	95.6	65.2
(WY)	(1986)	(1986)	(1984)	(1984)	(1986)	(1986)	(1986)	(1985)	(1983)	(1984)	(1984)	(1984)
MIN	2.75	4.19	5.51	5.56	12.0	11.5	2.94	3.65	3.51	3.95	2.69	3.94
(WY)	(1965)	(2004)	(2003)	(2003)	(2003)	(1972)	(1967)	(1967)	(1967)	(1967)	(1994)	(1981)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	2,252.2		2,528.98			
ANNUAL MEAN	6.17		6.91		29.5	
HIGHEST ANNUAL MEAN					96.5	
LOWEST ANNUAL MEAN					6.41	
HIGHEST DAILY MEAN	26	Mar 12	32	Feb 27	534	May 5, 1985
LOWEST DAILY MEAN	2.3	Oct 26	0.52	May 8	0.15	Jun 7, 1981
ANNUAL SEVEN-DAY MINIMUM	2.6	Oct 6	1.1	May 4	0.96	Apr 27, 1966
MAXIMUM PEAK FLOW			105	Jul 18	550	May 5, 1985
MAXIMUM PEAK STAGE			a5.00	Jul 18	b7.70	May 5, 1985
ANNUAL RUNOFF (AC-FT)	4,470		5,020		21,350	
10 PERCENT EXCEEDS	10		12		58	
50 PERCENT EXCEEDS	5.2		5.4		19	
90 PERCENT EXCEEDS	3.1		3.0		5.7	

e Estimated.

a Maximum gage height, 5.11 ft, Jan 19, backwater from ice.

b Maximum gage height, 7.95 ft, May 5, 1998.

09306222 PICEANCE CREEK AT WHITE RIVER, CO

LOCATION.--Lat 40°04'41", long 108°14'09", in SE¹/₄SE¹/₄ sec.2, T.1 N., R.97 W., Rio Blanco County, Hydrologic Unit 14050006, on right bank 150 ft downstream of box culvert on county highway, 1.0 mi southwest of White River City, 1.3 mi upstream from mouth, and 17 mi west of Meeker.

DRAINAGE AREA.--652 mi².

PERIOD OF RECORD.--October 1964 to September 1966, October 1970 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09306222

REVISED RECORDS.--WDR CO-82-3: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,730 ft above NGVD of 1929, from topographic map. Oct. 1, 1964 to Sept. 30, 1966, at site 65 ft upstream at different datum. Oct 1, 1970 to Nov. 14, 1972, at site 150 ft upstream at different datum. Nov. 15, 1972 to July 12, 1974, at site 50 ft upstream at different datum. July 13, 1974 to Nov. 17, 1994 at site 0.9 mi downstream at different datum. Nov. 18, 1994 to Oct. 8, 2002, at site 150 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 5,500 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	e5.0	e5.4	e6.6	e11	e22	3.1	4.6	4.0	3.5	6.7	3.9
2	4.6	e4.9	e5.6	e6.8	e12	e21	3.0	4.3	3.8	2.3	5.9	3.5
3	4.5	e4.7	e5.5	e6.7	e14	e20	2.8	4.7	4.5	2.6	6.1	2.9
4	5.0	e5.3	e5.8	e7.1	e14	e23	3.0	3.6	4.6	2.5	6.0	3.7
5	5.4	e6.0	e5.6	e7.3	e14	e24	2.9	3.0	5.3	2.4	6.6	4.6
6	5.4	e9.1	e5.4	e7.1	e11	e24	3.2	2.6	5.5	2.1	7.5	4.6
7	5.2	e9.3	e6.0	e7.6	e13	e25	3.3	2.7	5.1	2.5	6.9	4.3
8	5.1	e9.7	e5.2	e7.8	e11	e24	4.3	3.0	5.0	2.2	5.6	4.2
9	4.5	e7.2	e6.8	e8.4	e12	e23	7.1	2.3	4.9	2.3	5.3	4.1
10	4.3	e8.9	e4.5	e8.1	e11	e23	5.1	2.0	4.6	2.7	5.1	4.2
11	e4.4	e5.7	e5.4	e7.8	e11	e18	4.9	2.3	5.4	2.8	6.7	4.2
12	e4.8	e6.5	e5.9	e7.7	e10	16	4.7	3.0	4.6	2.7	6.5	14
13	e4.5	e3.9	e6.7	e8.4	e11	15	4.5	3.6	3.5	2.5	5.4	6.0
14	e4.6	e4.4	e6.1	e8.8	e10	14	4.2	3.4	3.2	2.5	4.3	5.1
15	e4.8	e2.5	e4.9	e8.7	e11	13	4.2	3.2	2.9	2.3	3.3	4.9
16	e5.2	e3.2	e5.4	e9.0	e10	12	4.1	2.7	2.9	2.6	3.8	4.8
17	e4.7	e4.9	e7.2	e9.3	e14	7.1	4.3	3.1	3.6	3.1	4.3	4.8
18	e4.2	e2.9	e7.3	e8.9	e16	9.5	4.4	2.8	3.2	3.5	4.5	4.7
19	e4.9	e3.9	e7.4	e9.4	e17	7.5	5.0	3.1	2.7	12	4.4	5.4
20	e5.2	e5.6	e7.5	e9.8	e16	8.7	4.3	2.5	2.5	3.9	4.4	6.9
21	e6.7	e6.1	e7.4	e10	e16	8.3	4.8	2.7	2.4	3.7	4.3	8.4
22	e5.9	e3.9	e7.4	e10	e18	7.7	4.7	2.5	2.6	3.5	4.3	9.9
23	e5.1	e5.6	e7.7	e10	e16	5.1	5.2	2.9	2.0	3.6	4.1	12
24	e5.0	e5.8	e7.8	e10	e18	3.7	4.9	2.9	1.7	3.6	4.2	10
25	e5.2	e6.5	e8.2	e11	e20	3.0	4.8	3.0	1.5	3.4	4.2	8.7
26	e5.3	e5.4	e6.9	e9.5	e20	2.8	4.2	3.0	1.8	3.6	4.3	7.8
27	e5.1	e5.6	e8.1	e10	e22	2.8	4.0	2.8	2.0	4.2	4.1	9.4
28	e4.8	e5.5	e8.0	e11	e21	2.7	3.8	2.8	2.1	4.5	4.0	8.5
29	e5.1	e5.4	e5.8	e11	e20	2.8	3.8	3.4	1.8	4.9	3.8	8.0
30	e5.2	e5.2	e7.3	e11	---	2.8	5.0	3.6	2.2	5.4	3.7	10
31	e5.3	---	e6.6	e12	---	2.9	---	3.5	---	5.2	3.8	---
TOTAL	154.3	168.6	200.8	276.8	420	394.4	127.6	95.6	101.9	108.6	154.1	193.5
MEAN	4.98	5.62	6.48	8.93	14.5	12.7	4.25	3.08	3.40	3.50	4.97	6.45
MAX	6.7	9.7	8.2	12	22	25	7.1	4.7	5.5	12	7.5	14
MIN	4.2	2.5	4.5	6.6	10	2.7	2.8	2.0	1.5	2.1	3.3	2.9
AC-FT	306	334	398	549	833	782	253	190	202	215	306	384

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

	(1965)	(1986)	(1986)	(1986)	(1986)	(1986)	(1998)	(1998)	(1983)	(1984)	(1984)	(1984)
MEAN	27.3	32.1	28.2	25.5	30.0	44.6	57.3	74.4	35.3	26.6	32.0	23.8
MAX	86.1	76.9	72.0	64.9	86.6	123	284	369	247	125	109	75.4
(WY)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	(1998)	(1998)	(1983)	(1984)	(1984)	(1984)
MIN	1.60	5.62	5.65	5.75	13.0	12.7	3.54	2.27	1.40	1.56	1.67	2.03
(WY)	(1965)	(2004)	(2003)	(2003)	(2003)	(2004)	(1972)	(1972)	(1994)	(1972)	(1990)	(1966)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1965 - 2004

ANNUAL TOTAL	2,209.1	2,396.2		
ANNUAL MEAN	6.05	6.55		36.5
HIGHEST ANNUAL MEAN				110
LOWEST ANNUAL MEAN				5.98
HIGHEST DAILY MEAN	36	Mar 12	e25	Mar 7
LOWEST DAILY MEAN	1.7	Jul 9	1.5	Jun 25
ANNUAL SEVEN-DAY MINIMUM	2.0	Jul 4	1.8	Jun 23
MAXIMUM PEAK FLOW			58	Jul 19
MAXIMUM PEAK STAGE			2.57	Jul 19
ANNUAL RUNOFF (AC-FT)	4,380	4,750		26,410
10 PERCENT EXCEEDS	12	12		73
50 PERCENT EXCEEDS	4.8	5.1		24
90 PERCENT EXCEEDS	2.5	2.7		3.7

e Estimated.

a Also occurred Jul 22, 1966.

b On basis of slope-area measurement of peak flow.

09306242 CORRAL GULCH NEAR RANGELY, CO

LOCATION.--Lat 39°55'13", long 108°28'20", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.1 S., R.99 W., Rio Blanco County, Hydrologic Unit 14050006, on left bank 5 ft downstream from Box Elder Gulch, 3.5 mi upstream from confluence with Stake Springs Draw, and 21 mi southeast of Rangely.

DRAINAGE AREA.--31.6 mi².

PERIOD OF RECORD.--March 1974 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09306242

GAGE.--Water-stage recorder. Concrete V-notch control since July 20, 1974. Elevation of gage is 6,580 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversions upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.41	0.31	0.36	e0.20	0.29	0.41	0.33	0.22	0.24	0.43	0.58	0.19
2	0.41	0.34	0.32	0.21	0.30	0.41	0.30	0.22	0.26	0.42	0.67	0.20
3	0.41	0.33	0.26	0.18	0.30	0.41	0.30	0.21	0.24	0.42	0.78	0.21
4	0.42	0.31	0.24	0.18	0.30	0.41	0.30	0.21	0.23	0.47	0.69	0.24
5	0.44	0.31	0.23	0.19	0.30	0.41	0.30	0.20	0.22	0.49	0.76	0.21
6	0.44	0.30	0.22	0.19	0.32	0.42	0.27	0.20	0.21	0.47	0.78	0.19
7	0.44	0.31	0.21	0.18	0.33	0.43	0.24	0.20	0.22	0.50	0.74	0.19
8	0.46	0.30	0.21	0.18	0.33	0.61	0.24	0.19	0.24	0.50	0.71	0.19
9	0.46	0.31	0.21	0.18	0.33	0.96	0.22	0.19	0.25	0.50	0.72	0.18
10	0.42	0.32	0.22	0.18	0.33	0.60	0.22	0.19	0.27	0.54	0.70	0.18
11	0.41	0.30	0.23	0.18	0.33	0.45	0.21	0.22	0.27	0.61	0.71	0.18
12	0.41	0.30	0.24	0.18	0.33	0.45	0.21	0.23	0.30	0.62	0.75	0.18
13	0.41	0.30	0.24	0.18	0.33	0.44	0.22	0.22	0.28	0.63	0.75	0.18
14	0.42	0.30	0.24	0.19	0.35	0.44	0.22	0.21	0.27	0.65	0.68	0.18
15	0.43	0.30	0.24	0.21	0.37	0.41	0.21	0.21	0.29	0.66	0.67	0.20
16	0.44	0.30	0.24	0.22	0.37	0.41	0.21	0.19	0.32	0.82	0.67	0.21
17	0.45	0.30	0.26	0.21	0.37	0.41	0.21	0.18	0.36	0.37	0.65	0.22
18	0.46	0.30	0.27	0.21	0.39	0.41	0.22	0.19	0.37	0.36	2.2	0.23
19	0.47	0.30	0.28	0.21	0.41	0.40	0.21	0.18	0.38	0.35	0.36	0.28
20	0.47	0.30	0.30	0.21	0.41	0.38	0.21	0.21	0.39	0.35	0.33	0.27
21	0.45	0.30	0.30	0.21	0.41	0.37	0.23	0.19	0.39	0.36	0.33	0.33
22	0.45	0.28	0.30	0.21	0.41	0.37	0.24	0.20	0.39	0.35	0.30	0.27
23	0.37	0.30	0.30	0.23	0.41	0.37	0.22	0.21	0.38	0.38	0.27	0.27
24	0.34	0.30	0.30	0.24	0.41	0.33	0.21	0.21	0.40	0.38	0.22	0.27
25	0.33	0.31	e0.25	0.24	0.41	0.33	0.21	0.20	0.41	0.39	0.20	0.31
26	0.33	0.33	e0.24	0.25	0.41	0.33	0.21	0.19	0.41	0.40	0.21	0.36
27	0.33	0.33	e0.19	0.27	0.41	0.33	0.21	0.20	0.46	0.43	0.21	0.37
28	0.33	0.36	e0.17	0.27	0.41	0.33	0.21	0.21	0.38	0.43	0.20	0.42
29	0.33	0.37	e0.14	0.27	0.41	0.33	0.23	0.24	0.42	0.45	0.19	0.48
30	0.33	0.37	e0.16	0.27	---	0.33	0.24	0.24	0.44	0.47	0.18	0.51
31	0.33	---	e0.18	0.27	---	0.33	---	0.24	---	0.53	0.18	---
TOTAL	12.60	9.39	7.55	6.60	10.48	13.02	7.06	6.40	9.69	14.73	17.39	7.70
MEAN	0.41	0.31	0.24	0.21	0.36	0.42	0.24	0.21	0.32	0.48	0.56	0.26
MAX	0.47	0.37	0.36	0.27	0.41	0.96	0.33	0.24	0.46	0.82	2.2	0.51
MIN	0.33	0.28	0.14	0.18	0.29	0.33	0.21	0.18	0.21	0.35	0.18	0.18
AC-FT	25	19	15	13	21	26	14	13	19	29	34	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2004, BY WATER YEAR (WY)

MEAN	1.02	0.85	0.77	0.74	0.80	1.21	2.47	6.69	4.06	1.79	1.47	1.22
MAX	2.88	1.99	2.07	2.40	2.22	4.99	14.9	41.7	33.4	8.98	5.56	3.39
(WY)	(1979)	(1984)	(1979)	(1979)	(1979)	(1998)	(1998)	(1984)	(1983)	(1984)	(1984)	(1978)
MIN	0.30	0.25	0.24	0.21	0.30	0.31	0.12	0.15	0.09	0.17	0.26	0.26
(WY)	(1991)	(1993)	(2004)	(2004)	(1993)	(1977)	(2003)	(1992)	(1992)	(1992)	(2002)	(2004)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1974 - 2004

ANNUAL TOTAL	156.06	122.61		
ANNUAL MEAN	0.43	0.34	1.96	
HIGHEST ANNUAL MEAN			0.27	1984
LOWEST ANNUAL MEAN			0.27	1992
HIGHEST DAILY MEAN	4.7	Mar 11	2.2	Aug 18
LOWEST DAILY MEAN	0.10	Apr 16	e0.14	Dec 29
ANNUAL SEVEN-DAY MINIMUM	0.10	Apr 16	0.18	Dec 28
MAXIMUM PEAK FLOW			33	Aug 18
MAXIMUM PEAK STAGE			3.00	Aug 18
ANNUAL RUNOFF (AC-FT)	310	243	1,420	6.12
10 PERCENT EXCEEDS	0.66	0.47		3.8
50 PERCENT EXCEEDS	0.38	0.30		0.76
90 PERCENT EXCEEDS	0.14	0.19		0.30

e Estimated.

a Also occurred Apr 11-14, 1974.

b From rating curve extended above 70 ft³/s, on basis of slope-area measurements at gage heights, 3.89 ft, 4.08 ft, and 6.12 ft.

09306255 YELLOW CREEK NEAR WHITE RIVER, CO

LOCATION.--Lat 40°10'07", long 108°24'02", in NE¹/₄SW¹/₄ sec.4, T.2 N., R.98 W., Rio Blanco County, Hydrologic Unit 14050006, on left bank 160 ft downstream from bridge on State Highway 64, 0.3 mi upstream from mouth, and 10.0 mi northwest of White River City.

DRAINAGE AREA.--262 mi².

PERIOD OF RECORD.--October 1972 to September 1982, May 1988 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09306255

GAGE.--Water-stage recorder with satellite telemetry and v-notch concrete control. Elevation of gage is 5,535 ft above NVGD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 300 acres.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.3	1.9	e3.9	e3.0	e2.3	1.9	1.9	1.2	0.88	0.89	0.82
2	1.4	1.7	2.0	e3.2	e2.4	e2.4	2.0	1.8	1.2	0.77	0.89	0.81
3	1.4	1.9	2.1	e3.3	e2.0	e2.5	1.9	1.8	1.1	0.71	0.99	0.79
4	1.4	1.7	e2.3	e3.7	e2.2	e2.5	2.0	1.8	1.1	0.71	0.91	1.0
5	1.2	1.7	e2.2	e2.8	e2.5	e2.4	1.9	1.7	1.0	0.78	0.89	1.1
6	1.3	1.7	e2.4	e2.4	e2.7	3.1	1.9	1.7	0.98	0.75	0.96	1.0
7	1.3	1.7	e2.4	e2.4	e2.8	3.6	2.0	1.6	0.91	0.69	0.91	0.98
8	1.7	1.7	e2.5	e2.5	e3.0	3.6	2.2	1.6	0.80	0.70	0.84	0.97
9	1.6	1.8	e2.3	e2.6	e2.9	3.6	2.9	1.6	0.75	0.65	0.81	0.94
10	1.4	1.7	e2.6	e2.6	e3.1	3.3	2.2	1.6	0.77	0.65	0.80	0.95
11	1.2	1.7	e2.4	e2.5	e3.3	3.0	2.0	1.6	0.89	0.67	0.80	0.97
12	1.3	1.7	e2.3	e2.6	e3.0	3.0	1.9	1.9	0.87	0.67	0.78	0.94
13	1.3	1.7	e2.2	e2.7	e3.1	3.0	1.9	1.9	0.79	0.64	0.77	0.96
14	e2.0	1.8	e2.1	e2.5	e2.9	3.0	1.9	1.7	0.70	0.65	0.73	0.96
15	e2.4	1.8	e2.3	e2.6	e3.1	3.0	1.8	1.6	0.70	0.64	0.73	0.99
16	2.6	1.8	e2.2	e2.4	e3.0	2.9	1.8	1.6	0.71	2.9	0.76	1.0
17	2.6	1.9	e2.2	e2.7	e2.8	2.8	1.8	1.5	1.7	6.2	0.78	1.00
18	2.6	1.8	e2.4	e2.3	e2.7	2.7	1.9	1.4	1.2	10	0.89	0.96
19	2.7	1.8	e2.7	e2.0	e3.1	2.5	2.0	1.4	1.1	1.3	1.0	1.2
20	2.6	1.8	e1.7	e1.8	e2.9	2.4	1.9	1.4	0.83	1.1	0.94	1.3
21	2.8	1.8	e2.4	e1.7	e2.5	2.3	2.1	1.4	0.78	1.1	0.91	1.3
22	2.8	1.6	e2.8	e1.9	e2.2	2.2	2.1	1.4	0.81	1.0	0.93	1.4
23	2.9	1.3	e2.4	e2.1	e2.1	2.2	2.0	1.4	0.73	0.96	0.86	1.3
24	3.0	1.6	e2.5	e2.3	e1.9	2.3	1.9	1.4	0.70	0.96	0.84	1.3
25	e1.8	2.0	e3.0	e2.5	e1.6	2.2	1.9	1.4	0.71	0.91	0.81	1.2
26	e1.7	2.2	e3.0	e2.6	e1.7	2.0	1.8	1.4	0.73	1.1	0.82	1.2
27	1.7	1.9	e3.3	e2.6	e2.0	2.2	1.8	1.3	0.75	1.1	0.93	1.2
28	1.7	1.4	e3.6	e2.7	e2.1	2.1	1.7	1.3	0.79	1.0	0.89	1.3
29	1.7	1.3	e3.0	e2.5	e2.4	2.0	1.7	1.4	0.80	0.99	0.84	1.4
30	e1.6	1.7	e3.4	e2.6	---	2.0	1.9	1.5	0.84	0.96	0.83	1.5
31	e1.5	---	e3.1	e2.8	---	1.9	---	1.3	---	0.92	0.82	---
TOTAL	58.5	51.5	77.7	79.8	75.0	81.0	58.7	48.3	26.94	43.06	26.55	32.74
MEAN	1.89	1.72	2.51	2.57	2.59	2.61	1.96	1.56	0.90	1.39	0.86	1.09
MAX	3.0	2.2	3.6	3.9	3.3	3.6	2.9	1.9	1.7	10	1.0	1.5
MIN	1.2	1.3	1.7	1.7	1.6	1.9	1.7	1.3	0.70	0.64	0.73	0.79
AC-FT	116	102	154	158	149	161	116	96	53	85	53	65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	2.72	3.02	2.71	2.61	4.29	4.62	3.27	4.23	3.44	3.07	2.45	3.21
MAX	10.2	12.1	9.77	9.05	12.7	18.1	8.88	24.1	19.9	18.5	9.34	17.1
(WY)	(1999)	(1999)	(1999)	(1999)	(1980)	(1997)	(1999)	(1985)	(1985)	(1985)	(1998)	(1978)
MIN	0.50	0.78	0.15	0.01	0.22	1.64	1.37	1.03	0.68	0.34	0.30	0.80
(WY)	(1979)	(1978)	(1979)	(1979)	(1979)	(1982)	(1978)	(1978)	(1977)	(1976)	(1978)	(1976)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004	
ANNUAL TOTAL	747.17		659.79			
ANNUAL MEAN	2.05		1.80		3.06	
HIGHEST ANNUAL MEAN					8.93	
LOWEST ANNUAL MEAN					1.28	
HIGHEST DAILY MEAN	16	Feb 15	10	Jul 18	500	Sep 7, 1978
LOWEST DAILY MEAN	0.61	Aug 11	0.64	Jul 13	a0.00	Sep 11, 1978
ANNUAL SEVEN-DAY MINIMUM	0.66	Aug 9	0.65	Jul 9	0.00	Dec 15, 1978
MAXIMUM PEAK FLOW			259	Jul 18	b6,800	Sep 7, 1978
MAXIMUM PEAK STAGE			8.16	Jul 18	12.97	Sep 7, 1978
ANNUAL RUNOFF (AC-FT)	1,480		1,310		2,220	
10 PERCENT EXCEEDS	2.9		2.9		5.6	
50 PERCENT EXCEEDS	1.8		1.7		2.3	
90 PERCENT EXCEEDS	0.88		0.80		0.94	

e Estimated.

a Also occurred Sep 12-16, 1978, and Dec 15, 1978 to Jan 14, 1979.

b On basis of contracted-opening, and flow-over-road measurement of peak flow.

09306290 WHITE RIVER BELOW BOISE CREEK NEAR RANGELY, CO

LOCATION.--Lat 40°10'47", long 108°33'53", in SW¹/₄SE¹/₄ sec.36, T.3 N., R.100 W., Rio Blanco County, Hydrologic Unit 14050007, on left bank at bridge on County Road 73, 0.5 mi downstream from Boise Creek, and 16.4 mi east of Rangely.

DRAINAGE AREA.--2,530 mi².

PERIOD OF RECORD.--August 1982 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09306290

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,395 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 31,500 acres.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	283	353	e358	e352	e316	e356	392	661	855	591	241	177
2	290	363	e338	e333	e318	e327	433	628	790	590	238	174
3	312	431	e297	e327	e324	e353	442	675	793	500	251	166
4	324	442	e287	e339	e320	e355	e471	747	870	473	235	171
5	314	394	e288	e329	e318	e334	e566	842	950	474	207	247
6	310	386	e329	e315	e316	e346	606	1,170	1,080	499	242	261
7	313	378	e340	e273	e294	e349	587	1,430	1,220	478	254	237
8	312	373	e385	e281	e318	e362	646	1,490	1,320	460	225	225
9	307	367	e358	e311	e322	e391	797	1,490	1,350	386	210	210
10	316	365	e357	e315	e315	e440	757	1,440	1,280	379	196	203
11	308	391	e383	e307	e331	e428	700	1,500	1,180	372	186	205
12	313	389	e364	e321	e301	e412	635	1,560	999	367	174	210
13	312	371	e329	e335	e307	400	612	1,350	888	348	168	192
14	311	367	e345	e332	e312	371	578	1,100	762	308	168	187
15	307	374	e357	e327	e334	346	602	912	726	276	155	183
16	314	363	e346	e334	e328	341	618	800	684	257	145	183
17	311	357	e294	e338	e319	334	672	761	751	386	142	184
18	303	361	e317	e312	e321	309	709	732	864	433	130	193
19	306	358	e302	e324	e326	338	703	881	823	403	181	229
20	311	345	e311	e343	e323	353	629	1,140	723	356	138	330
21	322	359	e343	e351	e309	372	600	e1,360	675	338	130	379
22	338	372	e359	e307	e295	395	583	e1,460	654	316	155	462
23	339	339	e327	e298	e290	418	573	e1,420	586	291	156	404
24	330	e324	e351	e326	e311	436	527	1,050	514	296	176	422
25	323	e374	e349	e329	e351	435	533	1,020	501	292	168	413
26	323	e352	e361	e315	e375	465	544	936	488	278	162	414
27	322	e372	e353	e319	e392	512	549	898	497	279	183	400
28	341	e322	e347	e313	e404	534	551	972	515	283	192	383
29	330	e365	e335	e315	e367	417	652	1,080	483	288	175	401
30	321	e359	e341	e319	---	395	677	1,250	520	271	174	413
31	329	---	e349	e323	---	384	---	1,020	---	251	177	---
TOTAL	9,795	11,066	10,500	9,963	9,457	12,008	17,944	33,775	24,341	11,519	5,734	8,258
MEAN	316	369	339	321	326	387	598	1,090	811	372	185	275
MAX	341	442	385	352	404	534	797	1,560	1,350	591	254	462
MIN	283	322	287	273	290	309	392	628	483	251	130	166
AC-FT	19,430	21,950	20,830	19,760	18,760	23,820	35,590	66,990	48,280	22,850	11,370	16,380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	520	498	434	399	396	509	750	1,736	1,912	827	469	438											
MAX	858	710	663	572	531	752	1,512	3,434	4,572	2,175	1,117	944											
(WY)	(1985)	(1986)	(1986)	(1986)	(1986)	(1986)	(1985)	(1984)	(1984)	(1995)	(1984)	(1997)											
MIN	316	322	295	260	268	324	370	449	209	120	154	206											
(WY)	(2004)	(2003)	(2003)	(1991)	(1991)	(1995)	(1995)	(2002)	(2002)	(2002)	(2002)	(2002)											

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	198,030		164,360			
ANNUAL MEAN	543		449		741	
HIGHEST ANNUAL MEAN					1,345	
LOWEST ANNUAL MEAN					333	
HIGHEST DAILY MEAN	a4,220	Jun 2	1,560	May 12	6,170	May 26, 1984
LOWEST DAILY MEAN	153	Aug 8	130	Aug 18	53	Jul 17, 2002
ANNUAL SEVEN-DAY MINIMUM	160	Aug 7	146	Aug 15	72	Jul 14, 2002
MAXIMUM PEAK FLOW			1,650		6,440	
MAXIMUM PEAK STAGE			4.62		8.45	
ANNUAL RUNOFF (AC-FT)	392,800		326,000		537,200	
10 PERCENT EXCEEDS	1,260		829		1,540	
50 PERCENT EXCEEDS	338		350		488	
90 PERCENT EXCEEDS	236		210		298	

e Estimated.

a Estimated during period of indefinite stage-discharge relationship, Jun 2-3, 2003.

09342500 SAN JUAN RIVER AT PAGOSA SPRINGS, CO

LOCATION.--Lat 37°15'58", long 107°00'37", in NE¹/₄SW¹/₄ sec.13, T.35 N., R.2 W., Archuleta County, Hydrologic Unit 14080101, on right bank at former bridge site in Pagosa Springs, 0.2 mi upstream from McCabe Creek, 0.6 mi downstream from bridge on U.S. Highway 160, and 2.0 mi upstream from Mill Creek.

DRAINAGE AREA.--298 mi².

PERIOD OF RECORD.--October 1910 to December 1914, May 1935 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09342500

REVISED RECORDS.--WSP 1313: 1914(M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,052.04 ft above NGVD of 1929. Jan. 29 to Mar. 6, 1911, nonrecording gage at site 0.5 mi upstream, at different datum. Mar. 7 to Oct. 4, 1911, nonrecording gage at present site, at different datum. Nov. 23, 1911 to Nov. 14, 1914, nonrecording gage at site 300 ft upstream, at different datum.

REMARKS.--Records good except for Oct. 1-6, Sept. 22-30, and estimated daily discharges, which are poor. Diversions for irrigation of large areas upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1885, that of Oct. 5, 1911. Flood of June 29, 1927, reached a stage of 13.5 ft, discharge about 16,000 ft³/s, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	47	69	55	e51	57	643	586	1,060	358	76	25
2	54	103	73	50	51	60	671	593	1,110	292	72	23
3	81	145	66	45	52	60	647	663	1,320	262	101	22
4	99	97	63	43	51	64	607	929	1,530	234	81	233
5	84	82	63	47	e48	65	598	1,150	1,570	203	69	295
6	71	72	64	55	46	56	560	1,370	1,550	185	72	130
7	64	71	62	58	e47	65	513	1,660	1,730	172	100	92
8	62	71	65	58	e49	85	523	1,740	1,690	162	83	78
9	58	69	58	52	49	123	534	1,740	1,510	148	62	68
10	57	68	45	e52	48	174	499	1,740	1,360	136	53	57
11	59	75	49	e53	e48	211	456	1,860	1,100	125	52	55
12	55	73	e50	e52	e47	259	402	1,650	918	119	47	49
13	51	93	46	52	45	305	379	1,270	806	116	e37	45
14	50	100	49	52	49	303	413	1,090	860	114	e33	41
15	48	91	e49	57	50	316	426	1,020	915	136	e31	38
16	46	81	44	57	49	325	491	1,230	817	136	e43	37
17	45	81	45	57	49	329	554	1,320	759	138	e42	36
18	45	68	e49	52	51	398	551	1,370	689	126	75	33
19	45	68	e50	55	60	485	515	1,630	652	133	51	1,180
20	46	77	e51	55	60	602	483	1,760	609	131	55	2,470
21	49	81	e51	55	60	721	462	1,780	550	122	53	1,240
22	46	81	e50	49	59	800	433	1,660	482	113	49	844
23	38	58	50	47	56	808	401	1,380	436	195	46	617
24	38	50	51	51	60	837	359	1,160	387	217	39	478
25	39	71	58	57	57	860	344	1,070	369	149	38	396
26	38	73	59	49	56	903	357	1,010	388	127	34	354
27	39	54	48	45	60	824	446	1,110	360	134	30	322
28	42	47	39	50	59	605	634	1,250	332	120	27	295
29	41	59	38	e50	57	507	724	1,440	368	117	25	376
30	41	65	53	e50	---	512	677	1,150	427	99	25	369
31	41	---	55	e50	---	570	---	1,040	---	92	25	---
TOTAL	1,619	2,271	1,662	1,610	1,524	12,289	15,302	40,421	26,654	4,911	1,626	10,298
MEAN	52.2	75.7	53.6	51.9	52.6	396	510	1,304	888	158	52.5	343
MAX	99	145	73	58	60	903	724	1,860	1,730	358	101	2,470
MIN	38	47	38	43	45	56	344	586	332	92	25	22
AC-FT	3,210	4,500	3,300	3,190	3,020	24,380	30,350	80,180	52,870	9,740	3,230	20,430

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2004, BY WATER YEAR (WY)

	144	93.6	63.9	55.1	61.6	151	551	1,273	1,298	382	179	154
MEAN	144	93.6	63.9	55.1	61.6	151	551	1,273	1,298	382	179	154
MAX	937	399	160	107	142	442	1,210	2,665	3,066	1,515	740	859
(WY)	(1942)	(1987)	(1987)	(1986)	(1995)	(1986)	(1985)	(1941)	(1957)	(1941)	(1999)	(1970)
MIN	23.3	33.6	27.5	26.8	29.2	50.3	141	158	56.6	15.5	13.5	18.8
(WY)	(1957)	(1956)	(1990)	(1990)	(1964)	(1964)	(1977)	(2002)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1936 - 2004	
ANNUAL TOTAL	75,156		120,187			
ANNUAL MEAN	206		328		368	
HIGHEST ANNUAL MEAN					730	
LOWEST ANNUAL MEAN					59.0	
HIGHEST DAILY MEAN	2,040	May 29	2,470	Sep 20	4,640	May 13, 1941
LOWEST DAILY MEAN	30	Jan 2	22	Sep 3	a8.3	Aug 28, 2002
ANNUAL SEVEN-DAY MINIMUM	33	Jan 2	25	Aug 28	8.7	Aug 28, 2002
MAXIMUM PEAK FLOW			4,300	Sep 19	25,000	Oct 5, 1911
MAXIMUM PEAK STAGE			6.16	Sep 19	b17.80	Oct 5, 1911
ANNUAL RUNOFF (AC-FT)	149,100		238,400		266,400	
10 PERCENT EXCEEDS	522		1,080		1,140	
50 PERCENT EXCEEDS	66		76		106	
90 PERCENT EXCEEDS	38		45		42	

e Estimated.

a Also occurred Sep 3, 2002.

b From floodmarks.

09346400 SAN JUAN RIVER NEAR CARRACAS, CO

LOCATION.--Lat 37°00'49", long 107°18'42", in SE¹/₄SW¹/₄ sec.17, T.32 N., R.4 W., Archuleta County, Hydrologic Unit 14080101, on right bank five feet above the maximum water surface of Navajo Reservoir, 3 mi northwest of Carracas, 7.2 mi upstream from Piedra River.

DRAINAGE AREA.--1,230 mi², approximately.

PERIOD OF RECORD.--October 1961 to current year. Statistical summary computed for 1971 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09346400

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,090 ft above NGVD of 1929, from river-profile map.

REMARKS.--Records good except for Mar. 11-21 and estimated daily discharges, which are poor. Diversions for irrigation of about 11,000 acres upstream from station. Highwater diversions upstream from station into Rio Grande Basin through Azotea Tunnel (station 08284160) began in March 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred Sept. 5 or 6, 1909; Oct. 5, 1911; June 29, 1927.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	80	e153	e166	e130	161	880	853	1,180	479	162	42
2	83	150	e157	e125	e133	163	929	880	1,150	403	151	40
3	156	280	160	e111	e138	169	941	890	1,290	353	174	41
4	218	321	150	e82	e137	212	1,060	1,100	1,460	322	182	93
5	204	208	147	e73	e130	228	1,080	1,310	1,560	295	152	707
6	170	172	153	e132	e111	173	923	1,520	1,520	267	182	315
7	145	153	145	e163	e95	218	848	1,700	1,630	242	153	205
8	142	154	142	e182	e106	321	891	1,780	1,670	229	176	161
9	134	157	150	e178	e119	455	927	1,760	1,550	221	140	137
10	121	151	120	e152	e120	550	954	1,760	1,420	205	119	125
11	129	158	95	e152	e108	612	927	1,810	1,260	195	115	117
12	125	172	118	e152	e103	699	933	1,720	1,100	175	108	111
13	116	245	121	e148	e100	844	750	1,450	972	173	97	100
14	111	288	119	e144	e90	886	696	1,230	973	163	93	93
15	110	257	e120	e152	e119	924	688	1,150	1,030	192	92	81
16	105	207	e111	e180	e122	900	718	1,250	978	210	104	72
17	101	188	e74	e182	e115	796	782	1,410	912	227	107	68
18	99	181	e92	e165	e126	879	815	1,440	827	201	95	67
19	95	153	e118	e151	e164	977	768	1,590	776	219	129	263
20	87	159	e129	e166	e210	1,120	726	1,670	742	230	109	3,360
21	78	174	e134	e173	e213	1,300	686	1,730	691	200	115	1,640
22	83	175	e130	e165	e210	1,330	648	1,690	627	186	112	1,210
23	79	172	e127	e106	e204	1,260	636	1,510	573	174	106	864
24	74	135	e129	e102	e179	1,290	572	1,330	510	369	99	688
25	78	161	e137	e153	209	1,310	532	1,230	465	271	88	558
26	80	160	154	e155	227	1,320	519	1,150	472	230	81	472
27	79	153	195	e103	228	1,230	578	1,200	464	237	72	431
28	80	e138	e87	e87	226	979	743	1,280	438	237	62	376
29	80	e141	e76	e128	175	812	871	1,480	475	228	56	408
30	78	e148	e77	e130	---	773	891	1,340	483	198	51	562
31	77	---	e155	e132	---	811	---	1,200	---	181	45	---
TOTAL	3,394	5,391	3,975	4,390	4,347	23,702	23,912	43,413	29,198	7,512	3,527	13,407
MEAN	109	180	128	142	150	765	797	1,400	973	242	114	447
MAX	218	321	195	182	228	1,330	1,080	1,810	1,670	479	182	3,360
MIN	74	80	74	73	90	161	519	853	438	163	45	40
AC-FT	6,730	10,690	7,880	8,710	8,620	47,010	47,430	86,110	57,910	14,900	7,000	26,590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2004, BY WATER YEAR (WY)

	293	238	171	155	189	579	1,023	1,679	1,678	598	323	289
MEAN	293	238	171	155	189	579	1,023	1,679	1,678	598	323	289
MAX	932	983	406	296	481	1,369	2,524	3,195	4,039	2,427	1,004	880
(WY)	(1987)	(1987)	(1987)	(1987)	(1986)	(1995)	(1979)	(1973)	(1985)	(1995)	(1999)	(1982)
MIN	106	104	72.9	71.7	85.0	130	233	269	72.1	22.5	18.8	61.2
(WY)	(1979)	(1990)	(1990)	(2003)	(1990)	(2002)	(1977)	(2002)	(2002)	(2002)	(2002)	(1978)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1971 - 2004	
ANNUAL TOTAL	103,623		166,168			
ANNUAL MEAN	284		454		a602	
HIGHEST ANNUAL MEAN					b1,191 1985	
LOWEST ANNUAL MEAN					b112 2002	
HIGHEST DAILY MEAN	2,080	Sep 10	3,360	Sep 20	b6,700	Mar 12, 1985
LOWEST DAILY MEAN	37	Aug 22	40	Sep 2	c0.80	Sep 1, 2002
ANNUAL SEVEN-DAY MINIMUM	49	Aug 17	48	Aug 28	1.3	Aug 31, 2002
MAXIMUM PEAK FLOW			4,620	Sep 20	d8,590	Mar 6, 1995
MAXIMUM PEAK STAGE			6.20	Sep 20	f8.10	Mar 6, 1995
ANNUAL RUNOFF (AC-FT)	205,500		329,600		436,200	
10 PERCENT EXCEEDS	678		1,260		1,630	
50 PERCENT EXCEEDS	145		181		268	
90 PERCENT EXCEEDS	69		89		104	

e Estimated.

a Average discharge for 9 years (water years 1962-70), 632 ft³/s; 457,900 acre-ft/yr, prior to completion of Azotea Tunnel.

b Also the highest (or lowest, as is appropriate) for the period of record.

c Also minimum daily discharge for period of record.

d Maximum discharge for period of record, 9,730 ft³/s, Sep 6, 1970, gage height, 8.34 ft, from rating curve extended above 6,000 ft³/s, on basis of slope-area measurement of peak flow.

f Maximum gage height for statistical period, and period of record, 9.63 ft, Jan 4, 1994, backwater from ice.

09349800 PIEDRA RIVER NEAR ARBOLES, CO

LOCATION.--Lat 37°05'18", long 107°23'50", in NE¼SW¼ sec.21, T.33 N., R.5 W., Archuleta County, Hydrologic Unit 14080102, on left bank 2.5 mi upstream from Navajo Reservoir, 3.0 mi downstream from Ignacio Creek, and 4.6 mi northeast of Arboles Post Office.

DRAINAGE AREA.--629 mi².

PERIOD OF RECORD.--August 1962 to current year. Gage 09350000 (Piedra River At Arboles) operated 1895-99 and 1910-27 at site 7.5 mi downstream at elevation 6,000 ft, published in WSP 1313. Low-flow records probably not equivalent. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09349800

GAGE.--Water-stage recorder with satellite telemetry, and crest-stage gage. Datum of gage is 6,147.52 ft above NGVD of 1929, Colorado State Highway Department benchmark.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 2,800 acres upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred Sept. 5 or 6, 1909, and Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	45	60	e61	e58	84	886	697	775	307	110	58
2	58	72	63	e55	e58	92	899	681	762	250	106	50
3	76	123	64	e53	e59	97	1,000	731	859	216	106	47
4	104	118	59	e50	e58	122	1,380	909	948	189	110	66
5	120	83	e59	e55	e56	129	1,400	1,090	997	168	103	228
6	102	74	e59	e61	e53	107	1,140	1,240	1,020	146	114	139
7	98	68	e59	e64	e55	120	986	1,380	1,110	132	120	102
8	90	68	e58	e65	e56	156	1,010	1,470	1,140	123	125	84
9	82	68	e54	e60	e56	209	989	1,430	1,050	115	104	79
10	77	67	58	e60	e55	270	937	1,390	925	106	97	69
11	69	69	52	e60	e55	323	865	1,410	788	105	95	67
12	61	69	e52	e59	e54	376	922	1,290	681	107	92	68
13	57	100	e53	e59	e53	463	779	1,050	597	104	86	64
14	52	105	53	e59	e56	473	746	855	604	94	84	65
15	49	96	e52	e63	e57	476	733	797	632	95	74	62
16	47	83	e51	e64	e57	469	752	864	602	112	74	61
17	46	79	e53	e64	e57	459	789	1,010	553	116	77	60
18	45	75	e56	e60	59	536	817	1,030	504	112	77	56
19	45	62	e57	e61	71	638	768	1,160	479	127	89	238
20	44	67	e58	e62	75	785	705	1,260	449	119	85	1,660
21	43	72	e57	e61	77	950	671	1,310	419	116	87	1,220
22	41	85	e57	e55	84	1,140	628	1,220	378	112	89	755
23	39	65	e57	e55	83	1,200	598	1,060	341	120	90	527
24	39	40	e57	e57	90	1,280	531	914	304	275	82	401
25	42	60	e62	e63	93	1,390	495	851	276	190	74	327
26	42	75	e66	e55	94	1,410	498	812	274	170	71	282
27	41	61	e51	e52	101	1,290	591	859	279	161	67	257
28	41	55	e46	e57	108	1,010	737	926	262	157	64	231
29	43	59	e46	e57	89	843	800	1,060	311	148	60	264
30	43	57	e60	e57	---	823	778	898	352	130	56	359
31	43	---	e62	e58	---	842	---	795	---	116	56	---
TOTAL	1,839	2,220	1,751	1,822	1,977	18,562	24,830	32,449	18,671	4,538	2,724	7,946
MEAN	59.3	74.0	56.5	58.8	68.2	599	828	1,047	622	146	87.9	265
MAX	120	123	66	65	108	1,410	1,400	1,470	1,140	307	125	1,660
MIN	39	40	46	50	53	84	495	681	262	94	56	47
AC-FT	3,650	4,400	3,470	3,610	3,920	36,820	49,250	64,360	37,030	9,000	5,400	15,760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

MEAN	170	125	88.4	73.3	90.1	322	850	1,261	995	325	217	211
MAX	618	517	257	153	244	895	2,126	2,926	2,526	1,133	1,014	943
(WY)	(1973)	(1987)	(1987)	(1987)	(1986)	(1995)	(1979)	(1979)	(1979)	(1975)	(1999)	(1970)
MIN	51.2	48.4	31.2	21.8	25.7	47.4	126	91.7	24.8	12.7	15.2	35.3
(WY)	(1979)	(1968)	(1990)	(2003)	(2003)	(1964)	(1977)	(2002)	(2002)	(2002)	(2002)	(1978)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1963 - 2004	
ANNUAL TOTAL	63,533		119,329			
ANNUAL MEAN	174		326		395	
HIGHEST ANNUAL MEAN					822	
LOWEST ANNUAL MEAN					53.5	
HIGHEST DAILY MEAN	1,310		1,660		5,360	
LOWEST DAILY MEAN	e15		39		a3.9	
ANNUAL SEVEN-DAY MINIMUM	18		41		4.3	
MAXIMUM PEAK FLOW			2,130		b8,370	
MAXIMUM PEAK STAGE			3.91		c6.38	
ANNUAL RUNOFF (AC-FT)	126,000		236,700		285,900	
10 PERCENT EXCEEDS	479		991		1,160	
50 PERCENT EXCEEDS	62		97		143	
90 PERCENT EXCEEDS	24		53		52	

e Estimated.

a Also occurred Aug 28-29, 2002.

b From rating curve extended above 4,400 ft³/s, on basis of slope-area measurement of peak flow.

c Gage height, 6.38 ft, recorded, 7.55 ft, from floodmarks.

09352900 VALLECITO CREEK NEAR BAYFIELD, CO
(Hydrologic Benchmark Station)

LOCATION.--Lat 37°28'39", long 107°32'35", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.37 N., R.6 W., La Plata County, Hydrologic Unit 14080101, on right bank 60 ft upstream from Fall Creek, 0.8 mi downstream from Bear Creek, 6.7 mi north of Vallecito Dam, and 18 mi north of Bayfield.

DRAINAGE AREA.--72.5 mi².

PERIOD OF RECORD.--October 1962 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09352900

REVISED RECORDS.--WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Datum of gage is 7,906.08 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred in October 1911 and June 1927.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	29	35	e25	e21	e21	153	141	320	212	84	31
2	53	31	33	e22	e21	e22	153	149	369	197	83	30
3	59	37	32	e19	e21	e22	156	186	457	181	87	30
4	67	33	32	e16	22	e23	154	260	518	166	80	104
5	65	33	31	e20	e20	e22	151	347	573	151	83	103
6	63	32	31	e24	e18	e21	156	421	648	155	102	89
7	62	32	30	e25	e19	e23	154	529	706	159	89	80
8	59	32	31	e24	e20	e28	142	590	640	149	81	73
9	56	32	e30	e24	e20	e37	137	563	552	145	74	66
10	54	33	e27	e24	e19	48	128	589	450	140	69	63
11	54	33	e24	e24	e19	54	118	543	338	137	64	66
12	51	32	e24	e23	19	63	110	373	297	137	60	59
13	48	36	e22	e22	e19	66	105	275	283	141	57	56
14	45	38	e24	e24	e17	65	108	221	347	130	55	52
15	43	35	e23	25	e17	67	109	222	363	124	53	48
16	41	34	e20	25	e17	69	120	307	337	146	51	45
17	40	36	e20	24	e17	72	131	393	311	188	52	43
18	38	35	e23	24	e20	82	132	455	279	160	51	42
19	37	40	e24	e25	20	96	127	604	287	142	50	535
20	35	40	e24	e23	20	119	121	634	275	140	49	e1,470
21	34	38	e24	e22	20	144	117	555	238	124	47	e966
22	32	37	e24	e21	21	160	111	474	210	113	48	e478
23	31	35	e24	e18	21	166	103	387	201	171	45	253
24	30	38	e24	e22	21	162	97	355	200	181	42	215
25	29	42	e25	e22	e18	176	95	380	192	139	40	182
26	27	34	e24	e21	e19	187	99	417	178	128	38	158
27	28	30	e21	e19	e21	175	124	491	168	131	36	141
28	27	30	e15	e20	22	151	163	612	176	114	36	135
29	27	34	e14	e20	e21	132	167	569	313	102	34	202
30	26	34	e23	e21	---	127	154	352	242	95	33	211
31	25	---	e25	e20	---	134	---	300	---	89	32	---
TOTAL	1,333	1,035	783	688	570	2,734	3,895	12,694	10,468	4,487	1,805	6,026
MEAN	43.0	34.5	25.3	22.2	19.7	88.2	130	409	349	145	58.2	201
MAX	67	42	35	25	22	187	167	634	706	212	102	1,470
MIN	25	29	14	16	17	21	95	141	168	89	32	30
AC-FT	2,640	2,050	1,550	1,360	1,130	5,420	7,730	25,180	20,760	8,900	3,580	11,950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	77.2	280	(1973)	22.3	(1979)	44.0	104	(1987)	16.7	(1976)	27.1	52.0	(1986)	9.89	(1977)
	20.7	42.5	(1986)	9.51	(1977)	20.7	42.5	(1986)	8.42	(1977)	19.8	44.5	(1986)	9.11	(1977)
	35.4	88.2	(2004)	40.3	(1964)	112	226	(1989)	132	(2002)	502	697	(1980)	64.1	(2002)
	235	927	(1995)	27.5	(2002)	134	442	(1999)	27.5	(2002)	235	596	(1995)	27.5	(2002)
	117	455	(1970)	25.1	(1978)	117	455	(1970)	25.1	(1978)	117	455	(1970)	25.1	(1978)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1963 - 2004	
ANNUAL TOTAL	34,053.6		46,518			
ANNUAL MEAN	93.3		127		144	
HIGHEST ANNUAL MEAN					226	
LOWEST ANNUAL MEAN					43.9	
HIGHEST DAILY MEAN	944	May 28	e1,470	Sep 20	3,020	Sep 6, 1970
LOWEST DAILY MEAN	e9.6	Jan 20	e14	Dec 29	6.6	Feb 8, 2002
ANNUAL SEVEN-DAY MINIMUM	10	Jan 4	18	Feb 11	7.4	Dec 23, 1976
MAXIMUM PEAK FLOW			2,350	Sep 20	a7,050	Sep 6, 1970
MAXIMUM PEAK STAGE			b3.49	Sep 20	c6.51	Sep 6, 1970
ANNUAL RUNOFF (AC-FT)	67,550		92,270		104,400	
10 PERCENT EXCEEDS	194		347		406	
50 PERCENT EXCEEDS	47		56		60	
90 PERCENT EXCEEDS	14		21		17	

e Estimated.

a From rating curve extended above 1,400 ft³/s, on basis of slope-area measurement of peak flow.

b From floodmarks.

c Maximum gage height, 6.51 ft, from water-stage recorder, 6.76 ft, from floodmarks.

09353800 LOS PINOS RIVER NEAR IGNACIO, CO

LOCATION.--Lat 37°09'58", long 107°34'57", in NW¹/₄NW¹/₄ sec.26, T.34 N., R.7 W., La Plata County, Hydrologic Unit 14080101, on right bank 1.7 mi downstream from Pine River Canal, 2.2 mi upstream from Beaver Creek and 5.2 mi northeast of Ignacio.

DRAINAGE AREA.--340 mi².

PERIOD OF RECORD.--October 1999 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09353800

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,630 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Vallecito Reservoir (station 09353000, capacity 125,640 acre-ft) 14 mi upstream since April 1941. Diversions for irrigation of about 2,040 acres upstream and about 40,040 acres downstream from the station. Some waste water is diverted to adjacent basins.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	6.8	8.6	e8.3	9.8	16	86	578	25	7.0	9.3	5.3
2	9.6	8.7	8.0	e9.3	9.4	13	95	574	32	3.2	5.0	10
3	12	13	e8.1	e9.6	10	12	163	559	30	3.1	5.9	2.4
4	10	13	e8.0	e9.6	e10	15	241	541	29	4.4	4.3	42
5	6.8	9.1	e8.0	e9.5	e11	16	250	500	25	3.4	5.0	44
6	6.0	9.0	e8.0	e9.4	e11	16	195	466	55	3.2	8.8	29
7	5.2	7.4	7.5	e9.3	e10	17	184	440	215	8.2	7.0	17
8	5.1	8.3	9.0	e9.3	e10	20	216	427	463	14	6.6	8.2
9	5.8	7.3	e9.1	e9.3	e11	26	210	385	646	13	5.9	4.3
10	4.7	7.2	e7.7	e9.4	e13	33	178	294	480	12	3.0	4.1
11	6.7	7.9	e7.8	e9.4	e13	53	168	226	328	6.9	2.2	3.9
12	4.6	7.5	e7.7	e9.4	e13	79	159	193	49	6.5	3.2	3.8
13	4.8	18	e7.5	e9.4	e13	96	156	160	26	3.5	4.7	3.7
14	4.0	17	e7.5	e9.6	e13	97	142	127	19	3.9	6.2	2.6
15	4.9	12	e7.6	14	e13	117	136	108	28	2.2	6.5	1.9
16	6.6	11	7.1	13	e13	116	131	87	127	3.4	9.0	3.7
17	2.7	11	e9.3	11	e12	116	125	76	86	6.2	19	1.6
18	0.96	9.5	e9.5	10	e12	127	119	64	42	5.2	25	2.7
19	4.5	9.6	e10	9.2	12	138	111	41	19	7.0	20	60
20	12	9.3	8.9	9.7	12	153	478	19	16	7.7	9.0	30
21	13	9.1	9.1	9.1	14	177	1,660	13	15	5.7	3.2	17
22	10	9.5	8.6	9.5	14	188	250	30	10	7.1	3.9	5.3
23	5.5	9.2	e8.0	10	13	192	151	30	8.5	27	4.0	3.0
24	5.9	8.6	e7.5	9.9	15	178	140	26	6.9	17	3.1	2.0
25	5.1	8.9	e7.2	8.2	13	186	121	22	5.0	8.6	3.8	2.0
26	7.1	e7.9	e6.6	7.6	13	173	75	20	6.6	7.1	3.8	1.4
27	5.9	e8.0	6.6	e10	13	155	70	22	10	8.3	3.8	1.3
28	6.3	e8.1	6.6	e10	18	122	71	22	10	6.0	3.4	1.2
29	5.8	e8.1	6.7	e10	17	102	48	21	37	4.8	2.9	34
30	6.5	e8.0	9.4	10	---	92	267	22	12	5.9	2.6	6.6
31	5.7	---	e8.2	e9.8	---	85	---	24	---	9.4	2.7	---
TOTAL	200.36	288.0	249.4	301.8	361.2	2,926	6,396	6,117	2,861.0	230.9	202.8	354.0
MEAN	6.46	9.60	8.05	9.74	12.5	94.4	213	197	95.4	7.45	6.54	11.8
MAX	13	18	10	14	18	192	1,660	578	646	27	25	60
MIN	0.96	6.8	6.6	7.6	9.4	12	48	13	5.0	2.2	2.2	1.2
AC-FT	397	571	495	599	716	5,800	12,690	12,130	5,670	458	402	702

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004	2000	2001	2002	2003	2004		
MEAN	39.9	19.9	22.8	23.2	22.6	77.0	175	112	75.6	9.75	12.2	12.7
MAX	120	31.6	46.3	45.0	36.9	188	531	298	253	24.2	36.4	17.1
(WY)	(2000)	(2002)	(2002)	(2002)	(2000)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)
MIN	6.46	9.60	8.05	7.45	10.0	24.0	17.6	12.0	6.20	3.32	2.31	8.28
(WY)	(2004)	(2004)	(2004)	(2003)	(2003)	(2002)	(2002)	(2002)	(2003)	(2003)	(2002)	(2000)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	4,039.78		20,488.46			
ANNUAL MEAN	11.1		56.0		50.2	
HIGHEST ANNUAL MEAN					123	2001
LOWEST ANNUAL MEAN					11.9	2003
HIGHEST DAILY MEAN	133	Sep 9	1,660	Apr 21	1,660	Apr 21, 2004
LOWEST DAILY MEAN	0.92	Jul 20	0.96	Oct 18	0.33	Aug 16, 2002
ANNUAL SEVEN-DAY MINIMUM	1.3	Jul 20	2.3	Sep 22	1.1	Aug 15, 2002
MAXIMUM PEAK FLOW			2,310	Apr 21	2,310	Apr 21, 2004
MAXIMUM PEAK STAGE			6.33	Apr 21	6.33	Apr 21, 2004
ANNUAL RUNOFF (AC-FT)	8,010		40,640		36,340	
10 PERCENT EXCEEDS	24		161		88	
50 PERCENT EXCEEDS	8.0		10		19	
90 PERCENT EXCEEDS	2.8		3.9		4.0	

e Estimated.

09354500 LOS PINOS RIVER AT LA BOCA, CO

LOCATION.--Lat 37°00'34", long 107°35'56", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.32 N., R.7 W., La Plata County, Hydrologic Unit 14080101, on downstream end of right abutment of private bridge, at southeast edge of La Boca, 0.5 mi upstream from Spring Creek, and 2 mi upstream from maximum elevation of Navajo Reservoir.

DRAINAGE AREA.--520 mi².

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09354500

REVISED RECORDS.--WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,143.58 ft (revised) above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Vallecito Reservoir (station 09353000, capacity 125,640 acre-ft.) 24 mi upstream since April 1941. Diversions for irrigation of about 55,000 acres upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood on Oct. 5, 1911 has not yet been exceeded.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	19	e22	e18	e22	53	141	637	127	156	165	115
2	24	28	22	e21	e20	52	153	627	140	144	152	119
3	35	47	21	e21	e19	53	358	612	134	142	180	115
4	38	42	22	e21	e23	103	836	598	134	144	145	287
5	27	30	23	e21	e24	119	902	569	127	141	153	310
6	23	26	21	e21	e27	82	399	524	135	132	216	208
7	21	25	20	e20	e25	112	316	497	339	126	149	178
8	20	25	22	e20	e20	138	389	477	574	143	147	158
9	20	24	e21	e20	e24	180	404	444	885	142	130	148
10	19	23	21	e21	e34	205	300	354	689	148	121	141
11	20	23	22	e21	e40	215	284	300	501	129	120	134
12	19	24	22	e21	e38	215	285	264	220	123	111	134
13	17	88	22	e21	e39	219	239	229	127	118	108	126
14	15	78	e21	e21	e48	204	212	201	131	117	115	115
15	9.8	45	21	e21	e67	216	201	168	113	111	121	102
16	12	36	24	e21	e81	203	192	144	234	115	137	99
17	17	32	27	e21	e109	185	187	139	220	147	231	89
18	26	29	27	e21	e121	194	184	134	177	134	169	89
19	30	27	27	e20	e128	209	173	117	132	135	145	317
20	39	26	29	e19	127	233	340	102	129	138	131	311
21	45	26	32	e20	123	260	1,780	92	128	129	129	186
22	46	25	27	e21	131	276	450	112	132	131	139	131
23	43	26	24	e21	112	289	223	120	130	214	139	110
24	32	32	23	e22	120	282	211	125	124	242	132	104
25	23	24	e20	e22	116	295	193	124	120	209	133	102
26	18	24	20	e22	106	276	153	126	129	182	125	102
27	20	22	e18	e22	115	250	126	129	156	185	124	99
28	22	e22	e19	e22	144	200	130	130	146	213	120	93
29	20	e22	e19	e23	80	165	115	127	303	180	116	375
30	20	e22	e19	e23	---	149	241	126	194	172	113	258
31	19	---	e18	e22	---	139	---	130	---	161	110	---
TOTAL	759.8	942	696	651	2,083	5,771	10,117	8,478	6,830	4,703	4,326	4,855
MEAN	24.5	31.4	22.5	21.0	71.8	186	337	273	228	152	140	162
MAX	46	88	32	23	144	295	1,780	637	885	242	231	375
MIN	9.8	19	18	18	19	52	115	92	113	111	108	89
AC-FT	1,510	1,870	1,380	1,290	4,130	11,450	20,070	16,820	13,550	9,330	8,580	9,630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	189	130	98.9	72.5	94.4	215	337	415	488	291	232	210
MAX	672	709	396	182	362	972	1,339	1,719	1,555	1,381	1,349	725
(WY)	(1987)	(1987)	(1983)	(1985)	(1993)	(1993)	(1979)	(1958)	(1979)	(1957)	(1999)	(1997)
MIN	24.5	26.8	18.1	16.1	22.9	31.7	22.6	40.6	60.8	23.8	13.0	33.4
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	17,689.8		50,211.8			
ANNUAL MEAN	48.5		137		234	
HIGHEST ANNUAL MEAN					582	
LOWEST ANNUAL MEAN					44.6	
HIGHEST DAILY MEAN	727	Sep 10	1,780	Apr 21	4,560	Jul 27, 1957
LOWEST DAILY MEAN	9.8	Oct 15	9.8	Oct 15	6.1	May 1, 1977
ANNUAL SEVEN-DAY MINIMUM	15	Jan 1	16	Oct 11	8.3	Apr 30, 1977
MAXIMUM PEAK FLOW			2,210	Apr 21	a6,400	Jul 27, 1957
MAXIMUM PEAK STAGE			6.62	Apr 21	b8.95	Jul 27, 1957
ANNUAL RUNOFF (AC-FT)	35,090		99,600		169,700	
10 PERCENT EXCEEDS	80		284		533	
50 PERCENT EXCEEDS	39		120		130	
90 PERCENT EXCEEDS	17		21		47	

e Estimated.

a From rating curve extended above 5,100 ft³/s.

b Maximum gage height, 9.00 ft, backwater from ice, sometime during period, Dec 23, 1990 to Jan 17, 1991.

09355000 SPRING CREEK AT LA BOCA, CO

LOCATION.--Lat 37°00'40", long 107°35'47", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.32 N., R.7 W., La Plata County, Hydrologic Unit 14080101, on right bank in an excavated channel, 0.2 mi upstream from mouth, and 0.2 mi east of La Boca.

DRAINAGE AREA.--58.2 mi².

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09355000

REVISED RECORDS.-- WDR CO-00-02: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,160 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Part of flow is return waste from irrigation. Nearly all irrigation in this basin is water diverted from Los Pinos River which causes a considerable change in the annual pattern and natural flow.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	0.12	e1.9	e0.65	e1.3	9.7	3.9	15	46	64	59	38
2	2.9	0.32	e1.6	e0.34	e1.2	9.7	4.5	11	46	55	56	41
3	2.2	0.96	e1.9	e0.38	e1.1	12	24	14	49	57	71	43
4	3.0	0.45	e2.1	e0.85	e0.75	32	121	22	48	59	58	126
5	2.8	0.21	e1.6	e0.98	e0.69	26	139	25	44	57	59	143
6	3.0	0.18	e1.4	e1.1	e1.2	12	21	22	48	50	69	59
7	3.1	0.19	e1.8	e0.98	e1.3	14	16	25	52	47	50	52
8	3.2	0.25	e1.5	e0.88	e1.5	13	33	28	45	55	49	51
9	2.9	0.24	e1.5	e0.79	e1.4	13	29	27	50	56	45	47
10	3.4	0.24	e1.2	e0.72	e1.3	12	9.9	26	50	50	45	53
11	3.7	0.27	e1.1	e0.67	e4.4	10	9.3	31	45	45	45	52
12	3.8	0.32	1.1	e0.80	e4.3	9.7	11	41	45	45	44	54
13	4.0	5.6	e1.1	e0.87	e3.8	9.1	11	44	44	44	49	52
14	4.1	3.4	e1.2	e0.92	e6.9	8.5	9.2	44	44	40	49	54
15	4.3	0.85	e1.4	e0.85	e14	8.3	8.3	44	48	39	50	52
16	5.0	0.52	e1.6	e0.95	e18	7.6	7.6	45	49	43	51	54
17	4.7	0.93	e1.6	e1.0	e28	7.0	7.2	51	75	50	118	52
18	3.9	1.7	e1.7	e1.1	e31	7.0	6.9	44	85	49	50	54
19	4.6	2.2	e1.9	e1.00	e34	7.1	6.8	40	53	63	56	168
20	8.0	2.8	e2.2	e0.93	e33	7.3	6.7	41	48	56	51	119
21	9.5	2.9	e1.8	e0.77	e32	7.6	6.5	43	50	48	44	51
22	10	e2.8	e1.5	e0.53	e35	7.6	6.5	41	53	55	39	45
23	11	e2.6	e1.3	e0.64	29	7.8	6.7	46	52	75	40	40
24	1.9	e2.6	e1.1	e0.90	32	8.0	6.4	47	52	76	37	40
25	0.19	e2.6	e1.1	e1.0	29	7.4	6.0	49	52	73	39	42
26	0.09	e2.1	e0.51	e1.0	26	6.8	5.9	43	57	65	37	40
27	0.09	e1.8	e0.80	e1.1	27	6.1	21	40	68	68	38	37
28	0.10	e1.9	e0.75	e1.1	40	5.4	7.2	42	69	74	37	37
29	0.10	e1.9	e0.37	e1.2	14	4.7	7.3	39	160	60	35	80
30	0.09	e1.9	e0.68	e1.2	---	4.2	23	44	77	60	35	65
31	0.09	---	e0.67	e1.3	---	4.0	---	44	---	57	34	---
TOTAL	107.25	44.85	41.98	27.50	453.14	304.6	581.8	1,118	1,704	1,735	1,539	1,841
MEAN	3.46	1.50	1.35	0.89	15.6	9.83	19.4	36.1	56.8	56.0	49.6	61.4
MAX	11	5.6	2.2	1.3	40	32	139	51	160	76	118	168
MIN	0.09	0.12	0.37	0.34	0.69	4.0	3.9	11	44	39	34	37
AC-FT	213	89	83	55	899	604	1,150	2,220	3,380	3,440	3,050	3,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

	33.5	10.2	5.30	4.66	9.89	17.8	12.9	38.1	56.9	65.7	64.8	57.0
MEAN	33.5	10.2	5.30	4.66	9.89	17.8	12.9	38.1	56.9	65.7	64.8	57.0
MAX	87.9	29.6	20.4	19.3	54.8	89.7	41.1	64.5	79.3	111	132	92.0
(WY)	(1973)	(1956)	(1985)	(1980)	(1980)	(1979)	(1979)	(1992)	(1986)	(1996)	(1996)	(1983)
MIN	2.63	1.49	1.35	0.45	2.06	2.36	0.57	13.5	24.4	1.07	0.45	0.93
(WY)	(2003)	(2004)	(2004)	(2003)	(2000)	(1999)	(2003)	(2003)	(1977)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	6,339.75		9,498.12			
ANNUAL MEAN	17.4		26.0		31.8	
HIGHEST ANNUAL MEAN					47.7	
LOWEST ANNUAL MEAN					9.78	
HIGHEST DAILY MEAN	281	Sep 10	168	Sep 19	918	Mar 6, 1995
LOWEST DAILY MEAN	0.01	Sep 20	0.09	Oct 26	0.00	Aug 1, 2002
ANNUAL SEVEN-DAY MINIMUM	0.02	Sep 19	0.10	Oct 26	0.02	Sep 19, 2003
MAXIMUM PEAK FLOW			409		Sep 19	
MAXIMUM PEAK STAGE			4.62		Sep 19	
ANNUAL RUNOFF (AC-FT)	12,570		18,840		23,010	
10 PERCENT EXCEEDS	48		56		71	
50 PERCENT EXCEEDS	3.4		12		21	
90 PERCENT EXCEEDS	0.27		0.80		3.0	

e Estimated.

a From rating curve extended above 160 ft³/s, on the basis of field estimate of peak flow.

b Maximum gage height, 5.98 ft, Mar 9, 1960, backwater from ice.

09358000 ANIMAS RIVER AT SILVERTON, CO

LOCATION.--Lat 37°48'40", long 107°39'31", in SE¹/₄NW¹/₄ sec.17, T.41 N., R.7 W., San Juan County, Hydrologic Unit 14080104, on right bank at southeast end of 14th Street, 800 feet upstream from Cement Creek, in the city of Silverton.

DRAINAGE AREA.--70.6 mi².

PERIOD OF RECORD.--June to October 1903 (staff gage), monthly discharge only, published in WSP 1313, October 1991 to September 1993, October 1994 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09358000

REVISED RECORDS.--WDR CO 92-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,290 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversions upstream for irrigation in Animas River drainage. Natural regulation by many lakes upstream from station. Mineral Point Ditch exports 100 to 400 acre feet of water per year from headwaters of Animas River to Uncompahgre River drainage. City of Silverton diverts some water from Boulder Creek (tributary) for municipal use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1884, was probably that of October 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	28	e25	e13	e17	e18	e77	77	344	215	72	30
2	63	30	e24	e13	e17	e18	e82	80	429	211	70	30
3	62	29	e23	e13	e17	e19	e82	99	517	198	67	31
4	62	24	e23	e13	e16	e19	e80	147	583	179	63	83
5	58	e24	e22	e13	e16	e20	e85	212	643	171	64	63
6	55	e24	e22	e13	e16	e21	e88	278	721	176	63	54
7	55	e24	e22	e14	e16	e21	e90	360	765	174	57	51
8	53	e24	e20	e14	e16	e21	e90	407	718	164	55	50
9	51	e25	e16	e13	e15	e22	e83	431	670	160	52	49
10	50	e25	e14	e13	e15	e23	e73	469	595	152	49	53
11	49	e25	e14	e12	e15	e24	e69	443	460	144	47	54
12	47	e25	e14	e12	e16	e26	e66	335	402	138	45	51
13	45	e25	e15	e12	e16	e28	e62	243	396	138	43	50
14	39	e26	e16	e13	e16	e29	e64	191	496	141	42	48
15	39	e26	e16	e13	e16	e32	e64	181	502	136	41	46
16	39	e25	e16	e13	e16	e34	e69	231	452	141	41	44
17	38	e25	e17	e14	e15	e35	e74	308	429	134	43	42
18	37	e25	e17	e14	e15	e36	e76	379	382	134	45	43
19	37	e25	e16	e15	e15	e39	e70	491	408	129	43	149
20	36	e25	e16	e15	e15	e44	e67	536	402	131	43	330
21	35	e25	e15	e16	e16	e58	e66	494	346	127	42	250
22	35	e25	e15	e16	e16	e60	e64	450	292	118	43	183
23	34	e25	e14	e16	e16	e64	e61	404	265	160	e40	157
24	33	e25	e15	e16	e16	e90	e57	392	266	151	e38	146
25	30	e25	e16	e16	e16	e97	e58	416	261	124	e37	140
26	27	e24	e16	e16	e17	e87	e58	449	231	112	e36	133
27	26	e23	e16	e17	e17	e80	e66	487	219	104	e34	122
28	27	e25	e16	e17	e18	e77	e77	591	216	96	e32	113
29	28	e26	e16	e17	e18	e75	e82	587	227	87	e31	128
30	27	e25	e16	e17	---	e73	e81	394	214	82	e31	125
31	27	---	e14	e17	---	e74	---	320	---	77	e32	---
TOTAL	1,300	757	537	447	466	1,364	2,181	10,882	12,851	4,404	1,441	2,848
MEAN	41.9	25.2	17.3	14.4	16.1	44.0	72.7	351	428	142	46.5	94.9
MAX	63	30	25	17	18	97	90	591	765	215	72	330
MIN	26	23	14	12	15	18	57	77	214	77	31	30
AC-FT	2,580	1,500	1,070	887	924	2,710	4,330	21,580	25,490	8,740	2,860	5,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	59.3	36.3	27.7	24.1	22.5	28.9	64.5	315	492	243	107	81.0	
MAX	136	64.9	41.4	33.8	36.1	44.0	92.9	454	794	734	253	131	
(WY)	(1998)	(1998)	(1998)	(1995)	(1995)	(2004)	(2000)	(1996)	(1997)	(1995)	(1995)	(1999)	
MIN	30.4	21.2	17.3	13.8	15.7	18.6	39.6	147	128	30.5	28.0	42.2	
(WY)	(2002)	(2002)	(2004)	(1992)	(1992)	(1992)	(1993)	(1995)	(2002)	(2002)	(2002)	(2001)	

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1992 - 2004
ANNUAL TOTAL	35,117	39,478	
ANNUAL MEAN	96.2	108	125
HIGHEST ANNUAL MEAN			194
LOWEST ANNUAL MEAN			52.7
HIGHEST DAILY MEAN	1,020	May 29	765 Jun 7
LOWEST DAILY MEAN	e14	Dec 10	e12 Jan 11
ANNUAL SEVEN-DAY MINIMUM	15	Dec 9	13 Jan 9
MAXIMUM PEAK FLOW			1,050 Jun 7
MAXIMUM PEAK STAGE			4.01 Jun 7
ANNUAL RUNOFF (AC-FT)	69,650		78,300
10 PERCENT EXCEEDS	241		366
50 PERCENT EXCEEDS	42		48
90 PERCENT EXCEEDS	16		19

e Estimated.

a Maximum gage height during period Jun to Oct 1903, 4.90 ft, Jun 17, 1903, site and datum then in use.

b Maximum gage height since 1992, 4.32 ft, May 28, 2003, due to channel change, present site and datum.

09358550 CEMENT CREEK AT SILVERTON, CO

LOCATION.--Lat 37°49'11", long 107°39'47", in SW¹/₄SW¹/₄ sec.8, T.41 N., R.7 W., San Juan County, Hydrologic Unit 14080104, on left bank, at abandoned railroad crossing Cement Creek, 0.1 mile north of Silverton, and 0.8 mile upstream from mouth.

DRAINAGE AREA.--20.1 mi².

PERIOD OF RECORD.--October 1991 to September 1993, October 1994 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09358550

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,380 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural regulation by many lakes upstream from station. Diversions for mining operations upstream from station. However, these diversions are returned to the creek upstream of the gage. Mine drainage contributes considerable amounts of water to the creek.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred October 5, 1911. A more recent flood occurred June 6, 1978, when Lake Emma (6.5 mi northeast of Silverton) was undermined by mining operations, and released a large quantity of water into the headwaters of Cement Creek. Discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	13	12	e10	10	10	36	31	109	51	20	12
2	18	13	12	12	10	9.9	35	36	116	50	20	12
3	17	13	e12	e11	10	9.8	33	52	123	46	20	14
4	17	13	e12	e11	10	9.7	29	80	134	42	19	44
5	16	13	e11	e10	10	9.9	28	103	151	42	20	21
6	16	13	12	e10	e10	e9.9	29	122	169	43	19	18
7	15	13	12	e11	e9.9	9.8	30	137	187	42	18	16
8	15	13	13	e10	10	10	28	141	190	40	17	15
9	15	13	12	e10	e10	11	26	140	172	39	16	15
10	15	13	e12	e10	e10	12	22	148	146	37	16	17
11	15	13	e12	e10	e9.9	12	20	141	123	35	15	16
12	14	13	e12	e10	10	14	20	113	110	34	15	16
13	14	13	e12	e10	e10	14	20	84	105	34	15	15
14	13	13	e11	e11	e10	15	23	65	120	33	14	15
15	13	13	12	11	9.7	15	25	66	119	32	14	14
16	13	13	e12	11	e9.6	15	30	91	114	34	14	14
17	13	13	e12	11	9.8	16	34	118	104	31	16	14
18	13	13	e11	e10	9.9	20	34	137	93	31	16	14
19	13	e12	12	e10	e9.8	25	30	167	97	34	15	57
20	13	e12	12	11	9.8	31	27	180	93	33	15	116
21	13	e12	12	11	9.9	38	28	162	82	33	15	74
22	13	e12	12	e10	10	39	24	143	72	31	15	51
23	13	e12	e12	e10	9.8	34	22	132	67	46	14	42
24	13	e12	e12	e10	9.8	35	20	128	67	36	14	37
25	12	e12	e11	11	9.9	45	21	128	63	31	14	36
26	12	13	12	e10	9.8	44	24	131	57	28	13	32
27	12	e12	e11	e10	10	36	32	140	55	27	13	30
28	12	e12	e11	e10	e10	27	39	166	53	25	13	28
29	12	e12	e11	e10	e9.6	23	39	160	55	23	13	34
30	12	12	e11	10	---	24	33	119	52	22	13	34
31	12	---	e11	10	---	30	---	107	---	21	13	---
TOTAL	429	379	364	322	287.2	654.0	841	3,668	3,198	1,086	484	873
MEAN	13.8	12.6	11.7	10.4	9.90	21.1	28.0	118	107	35.0	15.6	29.1
MAX	18	13	13	12	10	45	39	180	190	51	20	116
MIN	12	12	11	10	9.6	9.7	20	31	52	21	13	12
MED	13	13	12	10	10	15	28	128	107	34	15	17
AC-FT	851	752	722	639	570	1,300	1,670	7,280	6,340	2,150	960	1,730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	18.3	15.8	12.9	11.9	11.9	15.8	29.2	102	123	52.4	25.3	22.3
MAX	28.9	19.8	15.6	15.8	17.8	22.7	42.1	145	263	149	50.7	34.6
(WY)	(1998)	(1999)	(1995)	(1995)	(1995)	(1995)	(2000)	(1996)	(1995)	(1995)	(1999)	(1999)
MIN	13.8	12.6	e9.26	8.27	8.36	12.3	22.6	37.3	24.6	13.2	12.9	16.9
(WY)	(2004)	(2004)	(2002)	(2002)	(2003)	(2003)	(1998)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1992 - 2004
ANNUAL TOTAL	10,646.8	12,585.2	
ANNUAL MEAN	29.2	34.4	36.8
HIGHEST ANNUAL MEAN			56.3
LOWEST ANNUAL MEAN			17.0
HIGHEST DAILY MEAN	239	190	385
LOWEST DAILY MEAN	e7.5	e9.6	e,a7.5
ANNUAL SEVEN-DAY MINIMUM	7.7	9.8	e7.6
MAXIMUM PEAK FLOW		234	471
MAXIMUM PEAK STAGE		b2.06	2.85
ANNUAL RUNOFF (AC-FT)	21,120	24,960	26,690
10 PERCENT EXCEEDS	60	109	96
50 PERCENT EXCEEDS	15	15	18
90 PERCENT EXCEEDS	8.7	10	11

e Estimated.

a Also occurred Feb 18, 2003.

b Maximum gage height, 2.34 ft, Jan 5, backwater from ice.

09359010 MINERAL CREEK AT SILVERTON, CO

LOCATION.--Lat 37°48'10", long 107°40'20", in NW¹/₄NE¹/₄ sec.19, T.41 N., R.7 W., San Juan County, Hydrologic Unit 14080104, on right bank at southwest end of Greene Street at abandoned bridge crossing Mineral Creek, 300 ft downstream from U. S. Highway 550 crossing Mineral Creek, 1,400 ft upstream from mouth, and 0.5 mi southwest of Silverton.

DRAINAGE AREA.--52.5 mi².

PERIOD OF RECORD.--October 1991 to September 1993, October 1994 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09359010

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 9,245.98 ft above NGVD of 1929, from San Juan County bench mark.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural regulation by many lakes upstream from station. Diversions upstream from Mineral Creek drainage to Uncompahgre River drainage consists of 100 to 200 acre-feet per year through Red Mountain Ditch. City of Silverton diverts some water from Bear Creek (tributary) for municipal use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred October 5, 1911. An indirect determination of peak flow for flood of September 5, 1970, was run in very close proximity to present site, discharge, 3,070 ft³/s, gage height not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	28	e29	e19	e16	e17	e63	66	266	173	63	34
2	50	30	e30	e19	e16	e17	e62	70	307	175	64	33
3	52	29	e31	e19	e16	e18	e62	89	371	162	63	35
4	52	28	e31	e18	e16	e18	e66	131	436	144	60	96
5	48	28	e30	e17	e16	e19	e68	172	535	132	64	70
6	46	29	e28	e16	e16	e20	e67	220	653	143	70	61
7	45	29	e26	e15	e15	e20	e64	289	741	143	62	59
8	44	29	e24	e15	e15	e21	e60	324	691	136	58	58
9	44	29	e18	e16	e15	e23	e56	335	626	132	55	55
10	43	30	e16	e16	e15	e24	e51	364	490	127	52	61
11	44	29	e15	e16	e15	e26	e47	342	356	121	50	63
12	42	28	e15	e16	e15	e27	e45	242	296	112	48	57
13	40	29	e15	e16	e15	e30	47	180	309	113	46	54
14	36	28	e15	e16	e16	e33	49	145	387	116	45	50
15	37	e27	e15	e16	e16	e35	52	144	388	111	43	47
16	36	e29	e15	e16	e17	e39	59	206	353	107	44	44
17	35	e27	e15	e15	e17	e42	65	274	305	102	48	42
18	34	e24	e15	e15	e17	e46	65	335	251	104	50	42
19	34	e23	e15	e16	e17	e48	61	456	288	111	50	198
20	33	e20	e16	e16	e16	e53	57	501	294	114	48	745
21	32	e17	e17	e16	e16	e55	57	436	256	106	47	303
22	32	e16	e17	e16	e16	e56	54	374	216	97	47	199
23	31	e14	e17	e16	e16	e69	50	344	207	134	44	157
24	31	e14	e17	e16	e16	e75	47	347	209	124	42	135
25	29	e14	e18	e16	e16	e55	47	358	196	100	40	121
26	27	e14	e19	e16	e16	e47	50	385	179	91	39	105
27	27	e14	e20	e15	e16	e45	60	434	174	86	37	94
28	28	e16	e21	e15	e16	e47	73	527	171	79	37	88
29	28	e24	e20	e15	e16	e56	77	493	184	73	36	104
30	27	e27	e19	e15	---	e61	71	300	172	70	35	99
31	27	---	e19	e16	---	e62	---	247	---	66	34	---
TOTAL	1,157	723	618	500	461	1,204	1,752	9,130	10,307	3,604	1,521	3,309
MEAN	37.3	24.1	19.9	16.1	15.9	38.8	58.4	295	344	116	49.1	110
MAX	52	30	31	19	17	75	77	527	741	175	70	745
MIN	27	14	15	15	15	17	45	66	171	66	34	33
AC-FT	2,290	1,430	1,230	992	914	2,390	3,480	18,110	20,440	7,150	3,020	6,560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	46.9	31.1	24.4	20.8	19.3	24.8	52.6	250	380	201	104	76.7	
MAX	96.4	46.9	34.3	27.1	29.5	38.8	77.4	391	635	540	260	147	
(WY)	(1998)	(1998)	(2000)	(1995)	(1995)	(2004)	(2000)	(2001)	(1997)	(1995)	(1999)	(1999)	
MIN	26.8	18.0	16.9	13.4	14.5	18.2	35.4	96.5	75.0	25.4	21.9	38.1	
(WY)	(2002)	(2002)	(2002)	(1992)	(2003)	(2003)	(1998)	(1995)	(2002)	(2002)	(2002)	(2001)	

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	28,840		34,286			
ANNUAL MEAN	79.0		93.7		103	
HIGHEST ANNUAL MEAN					147	
LOWEST ANNUAL MEAN					39.6	
HIGHEST DAILY MEAN	880		745		964	
LOWEST DAILY MEAN	e14		e14		10	
ANNUAL SEVEN-DAY MINIMUM	14		15		13	
MAXIMUM PEAK FLOW			1,280		1,670	
MAXIMUM PEAK STAGE			3.07		3.41	
ANNUAL RUNOFF (AC-FT)	57,200		68,010		74,540	
10 PERCENT EXCEEDS	176		290		292	
50 PERCENT EXCEEDS	38		45		40	
90 PERCENT EXCEEDS	15		16		18	

e Estimated.

09359020 ANIMAS RIVER BELOW SILVERTON, CO

LOCATION.--Lat 37°47'25", long 107°40'01", in SW¹/₄SW¹/₄ sec.20, T.41 N., R.7 W., San Juan County, Hydrologic Unit 14080104, on right bank 500 ft upstream from Durango-Silverton Railroad, crossing Animas River, 0.7 mi downstream from Mineral Creek, and 1.1 mi south of Silverton.

DRAINAGE AREA.--146 mi².

PERIOD OF RECORD.--October 1991 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09359020

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,200 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and discharges above 1,000 ft³/s, which are poor. Natural regulation by many lakes upstream from station. Diversions from Animas River and Mineral Creek drainages through Red Mountain and Mineral Point Ditches amount to 600 to 1,100 acre-feet per year. City of Silverton diverts some water for municipal use from Bear Creek and Boulder Creek, both tributaries upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred October 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	75	e71	e55	e44	e52	201	235	635	490	180	63
2	147	82	72	e54	e45	e53	211	255	735	490	180	62
3	146	82	e76	e49	e48	e52	216	343	880	472	170	67
4	147	76	e71	e49	e48	e52	194	521	1,080	432	156	292
5	138	70	e70	e48	e47	e54	200	704	1,320	411	165	177
6	132	80	e66	e45	e45	e52	214	779	1,560	435	174	141
7	130	71	e65	e39	e40	e55	231	928	1,770	439	149	132
8	126	72	e65	e32	e40	e59	227	929	1,690	420	138	124
9	127	73	e60	e30	e43	e63	212	960	1,570	413	127	120
10	127	76	e50	e31	e45	e68	189	979	1,370	395	120	135
11	127	75	e42	e35	e47	e72	171	907	892	376	114	141
12	119	73	e42	e41	e46	e76	162	708	832	354	107	126
13	110	77	e35	e44	e46	80	158	544	778	357	102	120
14	98	77	e37	e47	e43	79	169	472	983	368	98	112
15	97	77	e38	e46	e40	78	179	449	979	356	94	104
16	97	76	e36	e44	e45	73	204	558	832	360	95	97
17	96	75	e32	e42	e49	76	229	701	738	341	104	91
18	95	e69	e41	e40	51	89	231	827	612	344	111	95
19	94	e71	e51	e47	49	112	207	1,090	701	350	108	469
20	93	e77	e52	e50	e46	140	193	1,180	794	364	105	1,170
21	92	81	e52	e50	e47	171	192	996	687	348	101	740
22	90	77	e52	e49	e48	188	180	881	636	319	103	548
23	87	e58	e50	e47	e47	190	169	798	579	440	96	466
24	86	e54	e55	e47	e47	202	155	780	595	415	88	420
25	80	e72	e57	e47	e48	256	155	815	568	338	83	396
26	70	e73	e57	e47	e49	273	164	874	498	307	78	363
27	70	e62	e53	e47	e49	232	204	990	490	283	76	324
28	71	e56	e48	e49	e50	180	260	1,320	484	251	74	299
29	71	e60	e44	e49	e51	150	279	1,190	511	223	70	354
30	71	e68	e49	e48	---	149	255	698	489	210	67	342
31	70	---	e56	e47	---	171	---	610	---	194	65	---
TOTAL	3,231	2,165	1,645	1,395	1,343	3,597	6,011	24,021	26,288	11,295	3,498	8,090
MEAN	104	72.2	53.1	45.0	46.3	116	200	775	876	364	113	270
MAX	147	82	76	55	51	273	279	1,320	1,770	490	180	1,170
MIN	70	54	32	30	40	52	155	235	484	194	65	62
AC-FT	6,410	4,290	3,260	2,770	2,660	7,130	11,920	47,650	52,140	22,400	6,940	16,050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	130	87.6	67.1	60.2	55.4	71.7	164	691	1,022	484	236	192	
MAX	270	136	92.9	79.8	85.6	116	216	1,002	1,647	1,393	520	336	
(WY)	(1998)	(1998)	(1998)	(1998)	(1995)	(2004)	(2000)	(1996)	(1997)	(1995)	(1995)	(1999)	
MIN	75.8	46.9	50.3	40.2	40.9	49.1	122	301	232	83.0	70.5	97.5	
(WY)	(2002)	(2002)	(2002)	(1992)	(2003)	(2000)	(1993)	(1995)	(2002)	(2002)	(2002)	(2001)	

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1992 - 2004
ANNUAL TOTAL	77,972	92,579	
ANNUAL MEAN	214	253	272
HIGHEST ANNUAL MEAN			395
LOWEST ANNUAL MEAN			114
HIGHEST DAILY MEAN	2,120	1,770	2,350
LOWEST DAILY MEAN	e32	e30	e30
ANNUAL SEVEN-DAY MINIMUM	37	36	36
MAXIMUM PEAK FLOW		2,510	2,970
MAXIMUM PEAK STAGE		3.66	a4.89
ANNUAL RUNOFF (AC-FT)	154,700	183,600	197,300
10 PERCENT EXCEEDS	487	736	754
50 PERCENT EXCEEDS	108	109	112
90 PERCENT EXCEEDS	43	47	51

e Estimated.

a Maximum gage height, 4.90 ft, Jun 1, 1997.

09361500 ANIMAS RIVER AT DURANGO, CO

LOCATION.--Lat 37°16'45", long 107°52'47", in SW¹/₄SW¹/₄ sec.20, T.35 N., R.9 W., La Plata County, Hydrologic Unit 14080104, on left bank at abandoned power plant at Durango, 0.8 mi upstream from Lightner Creek.

DRAINAGE AREA.--692 mi².

PERIOD OF RECORD.--July to December 1895, April 1896 to December 1898, April 1899 to December 1900, March to August 1901 (gage heights and discharge measurements only), April to November 1902, March to April 1903 (gage heights only, erroneously stated as discredited in WSP 1563), May to October 1903, July 1904 to December 1905, January to December 1910 (gage heights only), January to September 1911, January 1912 to current year. Monthly or yearly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09361500

REVISED RECORDS.--WSP 764: Drainage area. WSP 929: 1927(M). WSP 1243: 1911, 1918(M). WSP 1563: 1911-25 (monthly figures only).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,501.57 ft above NGVD of 1929. See WSP 1713 or 1733 for history of changes prior to Mar. 2, 1921.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 4,000 acres upstream from station. Natural regulation by many lakes and regulation for power upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1885, that of Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	339	181	198	e179	162	171	852	1,060	1,860	949	385	189
2	324	194	201	e180	148	207	935	1,060	2,010	915	362	184
3	334	216	186	e179	e169	212	1,070	1,170	2,360	868	367	177
4	333	229	181	182	e169	235	1,050	1,550	2,660	809	349	227
5	315	220	183	e179	e169	245	1,040	2,020	3,010	733	325	495
6	294	216	189	e164	e164	242	1,080	2,440	3,370	703	356	381
7	294	213	177	e150	e153	244	1,160	2,960	3,530	716	352	328
8	285	214	179	e140	148	262	1,210	3,280	3,590	697	332	308
9	279	201	177	e140	150	289	1,160	3,290	3,220	679	312	298
10	273	201	163	e141	e156	336	1,110	3,430	2,890	636	297	285
11	272	208	161	e141	e161	379	1,040	3,480	2,240	615	281	290
12	256	205	167	e148	e162	420	942	2,990	1,900	588	265	285
13	246	245	146	e156	e160	461	910	2,280	1,670	582	260	257
14	254	239	147	e160	e154	486	963	1,800	1,860	571	253	251
15	242	231	e150	e161	150	511	999	1,620	2,050	568	251	242
16	235	213	e150	e160	146	504	1,070	1,810	1,890	568	249	238
17	236	212	e145	e159	173	506	1,130	2,320	1,830	570	265	226
18	231	215	140	158	177	544	1,160	2,420	1,570	554	269	218
19	210	204	171	146	185	619	1,090	3,080	1,550	546	270	265
20	208	207	184	169	187	718	997	3,540	1,590	554	275	2,950
21	218	213	170	180	190	819	928	3,230	1,470	538	269	2,270
22	207	217	177	165	165	914	882	2,920	1,280	517	262	1,460
23	202	192	172	150	162	976	840	2,550	1,150	523	255	1,070
24	207	168	153	157	202	952	773	2,300	1,100	720	245	905
25	207	198	173	158	200	1,090	736	2,270	1,060	605	239	793
26	183	210	180	162	198	1,190	744	2,340	985	543	224	708
27	172	196	175	e162	205	1,140	832	2,470	936	556	212	640
28	186	179	e160	e163	218	975	1,040	2,780	903	518	206	596
29	185	179	e156	e165	172	824	1,160	3,220	1,030	485	202	662
30	182	187	155	e164	---	780	1,170	2,380	1,020	438	197	802
31	178	---	172	e163	---	785	---	1,890	---	408	185	---
TOTAL	7,587	6,203	5,238	4,981	4,955	18,036	30,073	75,950	57,584	19,272	8,571	18,000
MEAN	245	207	169	161	171	582	1,002	2,450	1,919	622	276	600
MAX	339	245	201	182	218	1,190	1,210	3,540	3,590	949	385	2,950
MIN	172	168	140	140	146	171	736	1,060	903	408	185	177
AC-FT	15,050	12,300	10,390	9,880	9,830	35,770	59,650	150,600	114,200	38,230	17,000	35,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1898 - 2004, BY WATER YEAR (WY)

MEAN	407	285	221	202	204	299	833	2,289	2,816	1,184	583	466
MAX	1,866	814	412	326	352	844	1,818	4,791	5,846	3,057	1,806	1,709
(WY)	(1942)	(1942)	(1942)	(1973)	(1920)	(1916)	(1985)	(1920)	(1917)	(1995)	(1999)	(1970)
MIN	162	158	129	103	110	133	246	474	357	154	134	161
(WY)	(1957)	(1935)	(1990)	(1933)	(1933)	(1990)	(1977)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1898 - 2004	
ANNUAL TOTAL	184,659		256,450			
ANNUAL MEAN	506		701		815	
HIGHEST ANNUAL MEAN					1,366	
LOWEST ANNUAL MEAN					238	
HIGHEST DAILY MEAN	4,160		3,590		10,700	
LOWEST DAILY MEAN	127		140		94	
ANNUAL SEVEN-DAY MINIMUM	136		145		100	
MAXIMUM PEAK FLOW			4,170		a25,000	
MAXIMUM PEAK STAGE			5.58		11.00	
ANNUAL RUNOFF (AC-FT)	366,300		508,700		590,300	
10 PERCENT EXCEEDS	1,050		1,930		2,210	
50 PERCENT EXCEEDS	258		280		340	
90 PERCENT EXCEEDS	153		161		178	

e Estimated.

a Present site and datum, from rating extended above 13,000 ft³/s.

09365500 LA PLATA RIVER AT HESPERUS, CO

LOCATION.--Lat 37°17'23", long 108°02'24", in NE¼SW¼ sec.14, T.35 N., R.11 W., La Plata County, Hydrologic Unit 14080105, on right bank at Hesperus, 700 ft downstream from U.S. Highway 160.

DRAINAGE AREA.--37 mi², approximately.

PERIOD OF RECORD.--June to August 1904, May 1905 to September 1906, August to November 1910, June 1917 to current year. Monthly discharge only for some periods, published in WSP 1313. Records for Nov. 11 to Dec. 31, 1910, published in WSP 289, have been found to be unreliable and should not be used. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09365500

REVISED RECORDS.--WSP 1243: 1906(M). WSP 1563: 1923 (monthly figures only). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry and concrete flume. Datum of gage is 8,104.71 ft above NGVD of 1929. Prior to May 1, 1920, nonrecording gage, and May 1, 1920 to May 24, 1927, water-stage recorder, at several sites about 600 ft downstream at different datums. May 25, 1927 to Sept. 30, 1938, water-stage recorder at site 60 ft downstream and Oct. 1, 1938 to Sept. 30, 1941, at present site at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Cherry Creek Ditch exports water upstream from station for irrigation of about 2,000 acres in Cherry Creek drainage. The Pine Ridge Ditch diverts water upstream from station for irrigation of about 300 acres downstream, and also for irrigation of about 300 acres in each of the Lightner and Basin Creek drainages. The Pine River Ditch also diverts up to 1,000 acre-ft for storage in the Lightner Creek drainage.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood observed occurred Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	7.4	e6.0	6.5	6.6	6.3	91	79	78	38	14	4.8
2	13	7.6	e6.0	7.3	e6.0	6.1	95	76	102	35	13	4.6
3	15	8.2	e5.5	e7.0	5.6	6.0	94	89	130	32	13	4.9
4	16	7.6	e5.5	e6.0	e6.0	6.0	79	136	150	30	12	15
5	15	7.3	e6.0	e5.0	e6.0	6.0	71	189	145	27	13	18
6	14	7.0	e6.0	e6.0	e5.5	6.0	70	231	137	27	13	15
7	14	6.9	e6.0	e6.5	e6.0	6.2	82	255	140	27	11	13
8	13	6.9	e6.0	e6.0	e6.0	6.7	84	267	129	25	9.7	11
9	13	6.8	e5.5	e6.0	e5.5	7.3	80	277	110	24	8.7	9.8
10	13	6.7	e5.5	e6.0	e6.0	7.8	73	272	92	23	8.2	10
11	13	6.7	e5.5	6.2	e6.0	8.4	66	243	67	23	7.7	9.5
12	13	6.7	6.0	e5.5	e5.5	9.3	60	183	56	21	7.1	9.0
13	12	9.0	e6.0	e5.5	e5.0	9.8	60	133	51	20	7.0	8.5
14	12	7.8	e6.0	5.9	e5.5	10	67	97	57	21	7.3	8.1
15	11	7.4	e6.0	5.5	e5.5	14	70	99	59	19	7.5	7.6
16	10	7.0	e6.0	5.5	e5.5	26	84	140	56	20	6.9	7.5
17	10	7.0	e6.0	5.4	e5.5	35	100	166	51	29	7.2	7.3
18	9.9	6.8	e6.0	5.4	6.1	44	101	178	47	24	6.9	7.5
19	9.4	6.4	6.4	5.7	5.8	54	91	217	50	21	6.8	37
20	9.4	6.5	6.4	5.4	5.8	71	78	226	49	19	6.6	114
21	9.2	6.4	6.4	5.3	5.8	91	72	184	44	18	7.0	65
22	8.8	6.5	6.4	5.4	5.8	108	66	164	41	17	6.6	45
23	8.6	e5.5	6.6	5.5	5.7	101	59	146	37	22	6.1	36
24	8.4	e6.0	6.7	5.9	6.1	105	54	120	36	25	5.9	30
25	8.1	e6.0	6.0	5.3	5.8	115	50	122	34	22	5.7	26
26	7.9	e5.5	6.4	5.0	5.8	122	53	123	40	21	5.5	24
27	7.7	e5.0	e6.0	5.0	e6.0	105	75	126	39	28	5.4	22
28	7.5	e5.5	e5.0	5.0	e6.0	82	107	142	39	24	5.2	20
29	7.3	e5.5	e5.0	5.6	6.4	69	106	145	42	20	5.0	29
30	7.3	e5.5	e5.5	6.6	---	69	96	95	29	18	4.8	29
31	7.2	---	e5.5	6.5	---	76	---	75	---	16	4.9	---
TOTAL	335.7	201.1	183.8	179.4	168.8	1,388.9	2,334	4,995	2,137	736	248.7	648.1
MEAN	10.8	6.70	5.93	5.79	5.82	44.8	77.8	161	71.2	23.7	8.02	21.6
MAX	16	9.0	6.7	7.3	6.6	122	107	277	150	38	14	114
MIN	7.2	5.0	5.0	5.0	5.0	6.0	50	75	29	16	4.8	4.6
AC-FT	666	399	365	356	335	2,750	4,630	9,910	4,240	1,460	493	1,290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2004, BY WATER YEAR (WY)

MEAN	15.1	10.6	8.17	6.93	7.34	15.8	81.0	169	129	37.1	23.4	20.3
MAX	148	54.3	20.4	15.0	18.0	54.2	203	384	421	154	79.1	124
(WY)	(1942)	(1942)	(1987)	(1926)	(1971)	(1997)	(1924)	(1941)	(1980)	(1957)	(1999)	(1927)
MIN	3.27	3.11	2.94	2.65	3.06	3.83	8.40	19.8	8.78	3.65	3.38	3.73
(WY)	(1957)	(1938)	(1938)	(1938)	(1990)	(1977)	(1977)	(1977)	(2002)	(2002)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1918 - 2004	
ANNUAL TOTAL	9,529.9		13,556.5			
ANNUAL MEAN	26.1		37.0		43.7	
HIGHEST ANNUAL MEAN					90.5	
LOWEST ANNUAL MEAN					8.62	
HIGHEST DAILY MEAN	195	May 22	277	May 9	934	Jun 28, 1927
LOWEST DAILY MEAN	4.6	Jan 12	4.6	Sep 2	1.0	Feb 22, 1939
ANNUAL SEVEN-DAY MINIMUM	4.7	Jan 11	4.9	Aug 28	1.9	Oct 13, 1917
MAXIMUM PEAK FLOW			307	May 10	a1,880	Sep 22, 1941
MAXIMUM PEAK STAGE			4.79	May 10	b4.30	Sep 22, 1941
ANNUAL RUNOFF (AC-FT)	18,900		26,890		31,680	
10 PERCENT EXCEEDS	67		106		124	
50 PERCENT EXCEEDS	10		9.9		13	
90 PERCENT EXCEEDS	5.5		5.5		5.2	

e Estimated.

a Present datum, from rating curve extended above 620 ft³/s, on basis of slope-area measurement of peak flow.

b Maximum gage height for period of record, 5.13 ft, Sep 6, 1970.

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

LOCATION.--Lat 36°59'59", long 108°11'17", in NW¹/₄SE¹/₄ sec.10, T.32 N., R.13 W., La Plata County, CO, Hydrologic Unit 14080105, on right bank at Colorado-New Mexico State line, 0.5 mi downstream from Johnny Pond Arroyo, and 4.9 mi north of La Plata, NM.

DRAINAGE AREA.--331 mi².

PERIOD OF RECORD.--January 1920 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1934 (M), 1936 (M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,972.03 ft above NGVD of 1929. See WSP 1713 or 1733 for history of changes prior to Mar. 17, 1934. Mar. 17, 1934 to July 1, 1996, water-stage recorder at same site, and at datum 3.12 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 15,000 acres, mostly upstream from station.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	1.4	3.2	3.4	3.3	6.3	48	46	62	12	0.00	0.00
2	2.6	3.0	2.8	3.6	2.7	6.4	48	35	49	16	0.00	0.00
3	5.1	4.3	2.0	3.4	3.8	6.4	89	33	51	15	0.37	0.01
4	6.3	5.2	1.1	2.3	4.0	6.4	147	52	67	13	1.0	e0.80
5	5.9	5.3	e0.80	1.3	3.2	6.1	179	70	88	11	1.7	e1.0
6	4.9	5.1	0.73	2.0	2.3	5.3	130	90	91	8.3	0.74	e0.80
7	4.1	4.9	0.74	4.3	2.6	5.3	108	99	115	6.8	0.21	0.46
8	4.0	4.5	0.57	3.7	3.0	5.3	97	102	87	7.1	0.37	0.29
9	4.2	4.1	0.01	3.3	2.6	5.9	93	94	69	6.5	1.2	0.25
10	4.2	3.9	0.00	3.5	2.9	7.1	77	84	73	6.4	1.0	0.20
11	4.7	4.0	0.00	3.8	2.7	8.6	57	76	65	5.8	0.92	0.12
12	4.5	4.0	0.00	3.5	2.4	9.7	58	51	50	5.1	0.61	0.03
13	3.5	7.7	0.00	2.8	2.6	12	47	50	39	5.4	0.34	0.02
14	2.5	6.0	0.00	2.7	3.2	18	41	84	37	4.4	0.33	0.01
15	2.8	4.3	0.24	3.4	3.4	22	37	62	35	5.1	0.29	0.00
16	2.5	3.9	2.3	3.4	3.1	21	34	70	36	3.6	0.45	0.00
17	2.1	4.1	4.9	3.2	3.4	20	47	75	34	6.0	0.54	0.00
18	1.5	3.8	6.1	2.9	5.7	22	50	50	34	8.8	0.46	0.00
19	1.5	3.6	6.3	2.8	7.9	22	50	78	32	6.8	1.1	1.2
20	1.4	3.6	3.9	3.0	5.4	24	44	101	33	5.0	1.4	6.4
21	1.5	3.6	3.8	2.9	5.1	23	47	88	29	3.5	1.1	39
22	1.7	3.6	3.4	2.4	5.3	25	48	86	25	4.3	0.86	24
23	1.7	3.0	1.3	2.4	5.4	24	36	103	22	7.9	0.56	18
24	1.7	3.1	0.77	2.6	7.3	21	30	73	18	13	0.34	15
25	1.8	3.6	2.4	3.2	6.8	21	25	58	15	13	0.39	12
26	1.9	3.5	2.4	1.7	6.6	29	21	53	15	11	0.28	11
27	1.8	3.1	2.0	1.9	6.6	26	21	67	18	21	0.10	10
28	1.9	3.1	1.1	2.6	12	19	31	80	16	14	0.05	8.0
29	1.9	4.3	1.9	2.8	7.4	14	50	85	25	8.3	0.06	14
30	1.5	3.3	3.7	2.9	---	27	64	62	17	1.9	0.01	23
31	1.4	---	3.3	3.8	---	42	---	75	---	0.19	0.00	---
TOTAL	89.5	120.9	61.76	91.5	132.7	510.8	1,854	2,232	1,347	256.19	16.78	185.59
MEAN	2.89	4.03	1.99	2.95	4.58	16.5	61.8	72.0	44.9	8.26	0.54	6.19
MAX	6.3	7.7	6.3	4.3	12	42	179	103	115	21	1.7	39
MIN	1.4	1.4	0.00	1.3	2.3	5.3	21	33	15	0.19	0.00	0.00
AC-FT	178	240	123	181	263	1,010	3,680	4,430	2,670	508	33	368

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2004, BY WATER YEAR (WY)

MEAN	13.3	11.7	12.0	11.7	16.6	36.4	102	106	65.2	19.4	11.9	11.3
MAX	260	99.2	53.9	38.3	53.9	139	364	506	306	99.4	65.1	126
(WY)	(1942)	(1942)	(1987)	(1942)	(1924)	(1997)	(1980)	(1941)	(1957)	(1957)	(1957)	(1927)
MIN	0.10	0.98	1.24	0.80	2.38	0.63	3.06	5.32	1.94	0.02	0.01	0.00
(WY)	(1935)	(1940)	(1978)	(1930)	(2003)	(1977)	(1977)	(1977)	(1924)	(1922)	(1922)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1921 - 2004
ANNUAL TOTAL	4,600.13	6,898.72	
ANNUAL MEAN	12.6	18.8	34.8
HIGHEST ANNUAL MEAN			109
LOWEST ANNUAL MEAN			4.44
HIGHEST DAILY MEAN	382	Sep 9	1,120
LOWEST DAILY MEAN	0.00	Jul 13	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 13	0.01
MAXIMUM PEAK FLOW		202	Apr 5
MAXIMUM PEAK STAGE		4.98	Apr 5
ANNUAL RUNOFF (AC-FT)	9,120	13,680	25,240
10 PERCENT EXCEEDS	33	64	83
50 PERCENT EXCEEDS	4.1	4.8	12
90 PERCENT EXCEEDS	0.00	0.37	1.7

e Estimated.

a No flow at times in many years.

b From rating curve extended above 750 ft³/s, on basis of slope-area measurement of peak flow, at datum then in use.

09371000 MANCOS RIVER NEAR TOWAOC, CO

LOCATION.--Lat 37°01'39", long 108°44'27", Ute Indian Reservation, Montezuma County, Hydrologic Unit 14080107, on left bank 700 ft upstream from bridge on U.S. Highway 491, 2.0 mi north of Colorado-New Mexico State line, 6.0 mi upstream from Aztec Creek, and 12 mi south of Towaoc.

DRAINAGE AREA.--526 mi².

PERIOD OF RECORD.--October 1920 to September 1943, February 1951 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09371000

REVISED RECORDS.--WSP 1733: 1924 (monthly figures only). WDR CO-83-3: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,055.98 ft above NGVD of 1929. See WSP 1713 or 1733 for history of changes prior to Mar. 11, 1954.

REMARKS.--Records good except for Sept. 29, 30 and estimated daily discharges, which are poor. Diversions for irrigation of about 10,000 acres upstream from station. One diversion upstream from station for irrigation of about 100 acres downstream from station. Flow regulated by Jackson Gulch Reservoir, capacity, 10,000 acre-ft since March 1949.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.31	5.8	e4.9	e5.3	e8.8	19	18	55	7.4	0.00	0.00	0.00
2	0.22	6.3	e8.7	e5.2	e9.0	16	25	53	4.6	0.00	0.00	0.00
3	0.51	7.3	e8.0	e4.9	e9.0	17	70	55	2.4	0.00	0.00	0.00
4	34	e12	e8.2	e5.0	e9.3	16	195	56	1.2	0.00	0.00	24
5	8.7	e12	e6.9	e5.1	e9.5	18	182	65	0.43	0.00	0.00	92
6	6.8	e9.0	e8.8	6.1	e9.1	16	129	77	0.06	0.00	0.00	25
7	6.5	8.3	e8.0	6.0	e8.8	14	108	87	0.04	0.00	0.00	13
8	6.5	8.2	e9.0	e6.8	e8.3	20	110	88	1.7	0.00	0.00	14
9	6.7	8.4	8.9	e7.1	e8.7	28	108	85	3.2	0.00	0.00	8.6
10	6.4	8.6	7.0	e7.4	e8.5	38	91	78	1.1	0.00	0.00	6.0
11	6.6	9.0	5.8	e7.4	e8.5	38	82	67	1.7	0.00	0.00	4.2
12	7.6	10	e5.5	e7.4	e8.4	38	75	53	0.62	0.00	0.00	4.4
13	7.7	11	e5.1	e7.4	e8.1	39	65	40	0.50	0.00	0.00	3.8
14	6.4	16	e4.7	e7.4	e8.3	37	58	29	0.05	0.00	0.00	2.6
15	5.4	21	e4.5	e7.5	e8.5	33	57	30	0.00	0.00	0.00	1.9
16	5.2	13	e4.4	e7.4	e8.2	28	56	24	0.00	0.00	0.00	1.7
17	5.4	12	4.3	e7.6	e7.8	25	60	21	0.00	0.00	6.0	1.1
18	5.1	11	4.2	e7.8	13	24	61	20	0.00	0.00	0.91	0.45
19	5.1	11	5.2	e8.1	18	24	57	17	0.00	0.00	0.01	7.6
20	6.1	11	e5.7	e8.3	24	23	51	24	0.00	0.00	0.00	40
21	5.5	11	e6.0	e8.2	28	24	44	65	0.00	0.00	0.00	49
22	5.3	9.8	e5.8	e7.8	22	26	42	50	0.00	0.00	0.00	36
23	4.7	e6.5	e5.5	e8.6	23	27	39	41	0.00	0.00	0.00	45
24	4.7	e4.8	e5.0	e8.7	22	25	38	33	0.00	0.00	0.00	39
25	4.5	e5.2	e4.8	e8.5	18	25	34	22	0.00	0.00	0.00	33
26	4.4	e5.1	e5.0	e8.3	18	29	31	13	0.00	0.00	0.00	28
27	4.9	e4.3	e5.0	e7.5	23	31	29	9.4	0.00	4.2	0.00	24
28	6.0	e4.1	e5.1	6.2	30	28	32	8.4	0.00	1.7	0.00	20
29	6.2	e4.5	5.0	e8.2	29	21	40	7.6	0.00	0.16	0.00	105
30	6.6	e4.3	5.5	e8.2	---	18	48	25	0.00	0.00	0.00	142
31	6.7	---	e5.0	e8.5	---	17	---	15	---	0.00	0.00	---
TOTAL	196.74	270.5	185.5	223.9	414.8	782	2,035	1,313.4	25.00	6.06	6.92	771.35
MEAN	6.35	9.02	5.98	7.22	14.3	25.2	67.8	42.4	0.83	0.20	0.22	25.7
MAX	34	21	9.0	8.7	30	39	195	88	7.4	4.2	6.0	142
MIN	0.22	4.1	4.2	4.9	7.8	14	18	7.6	0.00	0.00	0.00	0.00
AC-FT	390	537	368	444	823	1,550	4,040	2,610	50	12	14	1,530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)																																								
	26.3	459	(1942)	0.11	(1978)	19.2	113	(1987)	1.00	(1935)	13.9	45.5	(1942)	0.02	(2003)	13.2	45.6	(1942)	0.31	(1960)	24.7	92.1	(1993)	3.53	(2003)	56.5	198	(1993)	5.26	(1977)	120	330	(1980)	0.15	(1977)	171	642	(1922)	0.00	(1951)	80.8	395	(1957)	0.00	(1951)	28.1	185	(1921)	0.00	(1939)	27.9	364	(1921)	0.00	(1922)	26.9	137	(1970)	0.00	(1922)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1921 - 2004	
ANNUAL TOTAL	4,919.65		6,231.17			
ANNUAL MEAN	13.5		17.0		49.9	
HIGHEST ANNUAL MEAN					138	
LOWEST ANNUAL MEAN					4.28	
HIGHEST DAILY MEAN	1,810	Sep 10	195	Apr 4	3,050	Oct 14, 1941
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Jun 15	a0.00	Jul 12, 1922
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Jun 15	0.00	Jul 12, 1922
MAXIMUM PEAK FLOW			314	Sep 5	b5,300	Oct 14, 1941
MAXIMUM PEAK STAGE			3.83	Sep 5	c7.30	Oct 14, 1941
ANNUAL RUNOFF (AC-FT)	9,760		12,360		36,190	
10 PERCENT EXCEEDS	19		48		136	
50 PERCENT EXCEEDS	4.3		7.5		15	
90 PERCENT EXCEEDS	0.00		0.00		0.02	

e Estimated.

a No flow at times in most years.

b Present site and datum, from rating curve extended above 200 ft³/s, on basis of slope-area measurement of peak flow.

c Maximum gage height, 9.09 ft, Sep 10, 2003.

09371492 MUD CREEK AT HIGHWAY 32, NEAR CORTEZ, CO

LOCATION.--Lat 37°18'46", long 108°39'38", in SW¹/₄SW¹/₄ sec.6, T.35 N., R.16 W., Montezuma County, Hydrologic Unit 14080202, on left bank 1 mi upstream from mouth and 4.5 mi southwest of Cortez.

DRAINAGE AREA.--33.6 mi².

PERIOD OF RECORD.--October 1981 to September 1986, August 1993 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09371492

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,765 ft above NGVD of 1929, from topographic map. Prior to Aug. 25, 1993, gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some small diversions upstream from station for irrigation. Most of flow is from diversion of water from Dolores River through Dolores Project and Montezuma Valley Irrigation Company.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	0.56	0.61	0.75	e0.43	0.95	0.54	3.8	14	23	7.0	16
2	20	0.58	0.63	e0.74	e0.42	0.82	0.65	4.7	13	21	8.8	15
3	22	0.63	0.62	e0.73	0.44	1.6	2.7	4.0	11	19	14	16
4	19	0.58	0.58	e0.74	e0.44	1.7	2.3	3.3	11	18	13	26
5	11	0.54	0.59	e0.73	e0.44	1.1	2.2	5.4	12	18	12	32
6	11	0.51	0.63	e0.71	e0.38	0.76	1.4	6.5	11	17	16	21
7	11	0.56	0.63	e0.71	0.32	0.69	1.6	6.0	11	19	14	16
8	11	0.56	0.74	e0.67	0.35	0.70	1.1	6.3	12	18	12	13
9	11	0.56	0.64	0.60	0.30	0.74	0.94	7.4	11	18	8.5	11
10	20	0.60	0.57	0.54	0.30	0.77	0.89	8.9	13	18	7.3	8.7
11	24	0.62	e0.59	e0.59	0.30	1.8	1.1	7.9	13	17	11	9.7
12	21	0.55	e0.58	e0.58	0.27	1.8	0.99	8.7	15	17	13	10
13	19	1.1	0.57	e0.56	0.23	1.7	0.68	7.0	15	19	11	9.8
14	10	0.65	e0.54	e0.59	0.24	1.3	0.70	8.0	15	18	12	9.1
15	9.7	0.62	e0.53	e0.60	0.28	1.2	2.0	8.9	16	18	16	7.8
16	1.7	0.62	e0.51	0.80	0.28	0.60	1.5	8.5	16	18	18	7.4
17	0.83	0.63	0.42	0.86	0.31	0.56	1.6	9.0	15	19	21	8.3
18	0.67	0.63	0.51	0.79	e0.37	0.56	1.8	16	16	20	19	9.9
19	0.63	0.62	0.56	0.76	e0.42	0.54	1.4	15	15	22	20	13
20	0.57	0.63	0.59	0.72	e0.69	0.52	1.4	14	14	21	25	38
21	0.55	0.63	0.68	0.71	1.2	0.56	1.4	11	14	19	21	32
22	0.52	0.63	e0.61	e0.69	1.8	0.58	2.0	9.4	17	18	20	29
23	0.56	0.55	e0.57	e0.69	1.6	0.59	1.7	8.9	17	22	19	22
24	0.55	0.50	e0.56	e0.69	2.4	0.56	2.4	9.2	15	24	17	16
25	0.49	0.62	e0.56	e0.62	2.2	0.54	1.6	11	15	23	15	15
26	0.50	0.64	e0.56	e0.57	1.9	0.55	1.3	12	16	24	14	14
27	0.54	0.53	e0.55	e0.48	1.6	0.54	1.1	11	17	16	15	14
28	0.56	0.48	e0.57	0.38	2.3	0.51	1.1	13	19	13	17	13
29	0.57	0.52	e0.57	0.41	1.3	0.42	1.6	13	24	9.5	17	22
30	0.59	0.57	0.72	0.45	---	0.45	2.9	15	26	7.8	14	31
31	0.55	---	0.78	e0.42	---	0.50	---	14	---	7.3	14	---
TOTAL	250.08	18.02	18.37	19.88	23.51	26.21	44.59	286.8	449	561.6	461.6	505.7
MEAN	8.07	0.60	0.59	0.64	0.81	0.85	1.49	9.25	15.0	18.1	14.9	16.9
MAX	24	1.1	0.78	0.86	2.4	1.8	2.9	16	26	24	25	38
MIN	0.49	0.48	0.42	0.38	0.23	0.42	0.54	3.3	11	7.3	7.0	7.4
AC-FT	496	36	36	39	47	52	88	569	891	1,110	916	1,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

	7.96	2.73	2.28	1.98	2.51	2.87	2.60	9.41	13.6	14.8	15.0	13.3
MEAN	7.96	2.73	2.28	1.98	2.51	2.87	2.60	9.41	13.6	14.8	15.0	13.3
MAX	17.5	5.94	6.00	3.86	7.99	10.3	5.60	13.1	18.1	18.1	21.5	20.1
(WY)	(1994)	(1994)	(1985)	(1997)	(1983)	(1983)	(1994)	(1982)	(1985)	(2004)	(1983)	(2001)
MIN	0.96	0.60	0.47	0.64	0.81	0.85	0.79	5.44	6.83	9.95	4.04	1.12
(WY)	(2003)	(2004)	(2000)	(2004)	(2004)	(2004)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	2,376.16		2,665.36			
ANNUAL MEAN	6.51		7.28		7.48	
HIGHEST ANNUAL MEAN					9.47	
LOWEST ANNUAL MEAN					3.80	
HIGHEST DAILY MEAN	77	Sep 10	38	Sep 20	77	Sep 10, 2003
LOWEST DAILY MEAN	0.42	Dec 17	0.23	Feb 13	0.23	Feb 13, 2004
ANNUAL SEVEN-DAY MINIMUM	0.52	Dec 13	0.27	Feb 10	0.27	Feb 10, 2004
MAXIMUM PEAK FLOW			49	Sep 20	a598	Aug 24, 1982
MAXIMUM PEAK STAGE			2.92	Sep 20	8.53	Aug 24, 1982
ANNUAL RUNOFF (AC-FT)	4,710		5,290		5,420	
10 PERCENT EXCEEDS	18		19		17	
50 PERCENT EXCEEDS	1.5		1.8		4.4	
90 PERCENT EXCEEDS	0.57		0.52		0.97	

e Estimated.

a From rating curve extended above 26 ft³/s, on basis of slope-area measurement of peak flow.

09371520 McELMO CREEK ABOVE TRAIL CANYON, NEAR CORTEZ, CO

LOCATION.--Lat 37°19'36", long 108°42'00", in NE¼NE¼ sec.3, T.35 N., R.17 W., Montezuma County, Hydrologic Unit 14080202, on left bank adjacent to abandoned gravel pit 1.5 mi downstream from Mud Creek, 1.9 mi upstream from Trail Canyon, and 5.5 mi south of Cortez.

DRAINAGE AREA.--234 mi².

PERIOD OF RECORD.--August 1993 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09371520

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,690 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. A few small diversions upstream from station. Most of flow comes from diversions through the Dolores Project and Montezuma Valley Irrigation Company (water imported from Dolores River Basin).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 9, 1927 at location 1.5 mi upstream was determined to be 5,560 ft³/s, gage height, 5.72 ft, site and datum then in use. Feb. 20, 1993, 890 ft³/s, gage height, 7.57 ft, present datum, on basis of slope-area measurement at site 1 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	14	e12	e13	e12	27	6.0	23	40	57	47	56
2	54	15	16	e13	e11	23	6.1	22	41	46	48	50
3	78	21	16	e13	e12	27	25	17	34	41	48	48
4	79	19	e15	e13	e12	37	53	15	37	43	44	121
5	69	21	e14	e14	e11	28	47	16	38	42	44	221
6	59	23	16	e14	e10	22	23	17	35	34	56	120
7	56	23	17	e14	e8.7	22	20	15	35	34	51	107
8	52	23	19	e14	e8.0	23	17	17	33	33	44	91
9	48	18	19	e14	e8.4	27	16	17	34	32	35	78
10	57	18	e16	e14	e8.3	30	14	19	37	29	31	71
11	75	20	e14	e14	e8.3	26	14	22	44	27	33	66
12	58	17	e13	e13	8.3	21	15	33	45	31	35	67
13	52	34	e13	e13	e7.7	19	11	27	46	32	33	68
14	53	29	e13	e13	e8.0	18	11	27	45	29	38	61
15	55	22	e13	e13	e8.4	18	9.8	28	47	27	50	64
16	54	19	e13	e13	e8.1	17	8.5	24	44	29	52	77
17	36	21	e14	e13	e7.7	16	7.4	23	45	26	60	76
18	25	20	e14	e13	e14	15	7.0	29	51	32	54	74
19	22	17	e14	e13	e22	15	6.7	31	50	43	59	109
20	20	17	e14	e13	e30	14	5.3	33	41	42	73	224
21	16	17	e13	e13	29	15	6.6	34	41	36	69	186
22	15	18	e13	e11	33	14	9.6	27	44	33	72	152
23	14	e17	e13	e12	32	14	11	21	48	46	61	112
24	14	e13	e13	e11	29	14	13	25	43	68	52	90
25	12	e12	e13	e12	37	14	11	27	41	62	50	80
26	11	e12	e13	e11	47	13	9.2	30	35	67	53	79
27	12	e12	e13	e12	41	13	9.7	36	42	97	48	74
28	13	e11	e12	e12	61	13	11	37	46	81	50	67
29	14	e11	e13	e12	40	14	13	37	69	67	52	157
30	13	e12	e13	e12	---	17	20	48	70	62	52	233
31	13	---	e13	e12	---	6.5	---	46	---	51	52	---
TOTAL	1,192	546	437	397	572.9	592.5	436.9	823	1,301	1,379	1,546	3,079
MEAN	38.5	18.2	14.1	12.8	19.8	19.1	14.6	26.5	43.4	44.5	49.9	103
MAX	79	34	19	14	61	37	53	48	70	97	73	233
MIN	11	11	12	11	7.7	6.5	5.3	15	33	26	31	48
AC-FT	2,360	1,080	867	787	1,140	1,180	867	1,630	2,580	2,740	3,070	6,110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

	73.2	46.0	29.7	29.4	33.7	35.4	27.5	52.1	66.8	75.8	89.7	94.2
MEAN	73.2	46.0	29.7	29.4	33.7	35.4	27.5	52.1	66.8	75.8	89.7	94.2
MAX	125	89.1	42.9	58.8	62.5	87.4	82.8	83.0	100	108	125	126
(WY)	(1994)	(1999)	(1999)	(1997)	(1994)	(1995)	(1997)	(1998)	(1997)	(1997)	(1995)	(1997)
MIN	13.6	14.5	11.3	10.8	14.0	14.4	5.85	22.7	23.3	29.8	8.86	14.9
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	10,477.6		12,302.3			
ANNUAL MEAN	28.7		33.6		54.3	
HIGHEST ANNUAL MEAN					78.8	
LOWEST ANNUAL MEAN					23.9	
HIGHEST DAILY MEAN	976	Sep 10	233	Sep 30	976	Sep 10, 2003
LOWEST DAILY MEAN	4.4	Apr 28	5.3	Apr 20	a2.7	Nov 21, 2002
ANNUAL SEVEN-DAY MINIMUM	6.5	Apr 26	7.3	Apr 16	3.1	Nov 20, 2002
MAXIMUM PEAK FLOW			310	Sep 30	b1,790	Sep 10, 2003
MAXIMUM PEAK STAGE			c4.32	Sep 30	d9.44	Sep 10, 2003
ANNUAL RUNOFF (AC-FT)	20,780		24,400		39,350	
10 PERCENT EXCEEDS	50		67		106	
50 PERCENT EXCEEDS	22		23		41	
90 PERCENT EXCEEDS	9.7		11		14	

e Estimated.

a Also occurred Nov 22, 2002.

b Based on slope area measurement of peak flow.

c Maximum gage height, 7.06 ft, Feb 1, backwater from ice.

d From floodmarks.

09372000 McELMO CREEK NEAR COLORADO-UTAH STATE LINE

LOCATION.--Lat 37°19'27", long 109°00'54", in NE $\frac{1}{4}$ sec.2, T.35 N., R.20 W., Montezuma County, Hydrologic Unit 14080202, on right bank 1.5 mi upstream from Colorado-Utah State line, 2.0 mi upstream from Yellowjacket Creek, and 2.0 mi west of former town of McElmo.

DRAINAGE AREA.--346 mi².

PERIOD OF RECORD.--March 1951 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09372000

REVISED RECORDS.--WSP 1925: 1951-52 (M), 1957 (M). WRD CO-1972: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,890 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,780 acres upstream from station. One diversion upstream from station for irrigation of about 60 acres downstream from station. Part of flow is return water from irrigated lands of Montezuma Irrigation District (water imported from Dolores River Basin).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	12	e12	e11	9.5	43	9.0	2.4	23	47	43	37
2	30	12	e16	e11	8.4	40	9.5	2.0	22	36	42	39
3	49	12	16	e11	e9.4	37	14	1.8	21	28	40	36
4	72	13	15	e11	e9.3	35	52	1.5	21	27	36	104
5	73	13	14	11	8.5	34	49	1.3	20	29	34	199
6	62	14	16	e11	7.6	33	43	1.3	17	27	40	130
7	57	14	15	e11	e7.2	31	33	1.4	12	22	43	107
8	52	15	16	e12	e6.8	29	28	1.5	10	21	35	94
9	47	16	16	e12	e7.1	27	24	1.5	8.5	21	24	83
10	140	17	13	e11	e7.0	27	21	1.2	10	23	19	74
11	110	17	11	e11	e6.9	27	20	1.1	14	22	17	70
12	72	18	e11	e11	e6.9	26	22	1.4	15	24	18	69
13	62	18	e11	e11	e6.6	26	19	3.7	23	23	16	65
14	58	21	e10	e11	e6.7	24	15	2.1	25	20	16	55
15	56	23	e10	e11	e7.0	23	12	3.1	23	21	21	52
16	55	22	10	e10	e6.7	22	12	2.7	19	22	28	60
17	50	20	11	e10	e6.3	21	10	1.9	16	21	31	68
18	38	21	e11	e10	15	19	8.2	2.7	19	19	35	64
19	21	21	e11	e11	23	18	5.5	4.1	24	27	37	94
20	21	21	e11	11	31	17	3.9	4.0	23	32	44	184
21	20	20	e11	10	31	16	3.4	5.1	20	31	51	184
22	19	19	e11	7.8	35	16	3.3	6.2	21	24	51	149
23	18	17	e11	9.5	39	16	3.4	6.8	20	26	44	118
24	16	13	e11	e8.9	39	16	3.3	5.4	22	49	34	99
25	14	e12	e11	e8.9	38	16	3.1	4.8	21	56	35	83
26	13	e12	e10	8.6	41	16	2.8	6.7	16	53	38	83
27	13	e11	e10	9.1	43	16	2.1	11	19	68	41	80
28	12	e11	9.7	e9.6	50	14	1.6	17	23	70	35	70
29	12	e12	e10	e9.3	53	12	1.8	17	40	59	42	110
30	13	e11	e10	e9.4	---	15	1.8	18	56	53	38	228
31	13	---	e11	e9.7	---	12	---	23	---	50	37	---
TOTAL	1,315	478	371.7	319.8	565.9	724	436.7	163.7	623.5	1,051	1,065	2,888
MEAN	42.4	15.9	12.0	10.3	19.5	23.4	14.6	5.28	20.8	33.9	34.4	96.3
MAX	140	23	16	12	53	43	52	23	56	70	51	228
MIN	12	11	9.7	7.8	6.3	12	1.6	1.1	8.5	19	16	36
AC-FT	2,610	948	737	634	1,120	1,440	866	325	1,240	2,080	2,110	5,730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

	59.5	49.9	38.3	32.6	46.5	55.8	38.8	44.8	52.9	51.7	64.1	62.5
MEAN	59.5	49.9	38.3	32.6	46.5	55.8	38.8	44.8	52.9	51.7	64.1	62.5
MAX	161	122	95.4	68.4	192	197	148	108	105	132	160	226
(WY)	(1973)	(1988)	(1966)	(1969)	(1993)	(1973)	(1973)	(1992)	(1969)	(1957)	(1967)	(1986)
MIN	1.84	14.0	12.0	10.3	14.6	15.7	2.23	2.30	2.60	1.19	2.45	0.43
(WY)	(1957)	(1957)	(2004)	(2004)	(2003)	(1951)	(1977)	(2003)	(1977)	(1951)	(2002)	(1956)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	8,135.57		10,002.3			
ANNUAL MEAN	22.3		27.3		50.2	
HIGHEST ANNUAL MEAN					94.6	
LOWEST ANNUAL MEAN					16.2	
HIGHEST DAILY MEAN	e1,010	Sep 10	228	Sep 30	1,200	Aug 7, 1967
LOWEST DAILY MEAN	0.46	May 3	1.1	May 11	0.08	Sep 9, 1977
ANNUAL SEVEN-DAY MINIMUM	0.66	Apr 28	1.3	May 5	0.14	Sep 21, 1956
MAXIMUM PEAK FLOW			409	Oct 10	a,3,040	Aug 7, 1967
MAXIMUM PEAK STAGE			4.75	Oct 10	b,c,7.58	Aug 7, 1967
ANNUAL RUNOFF (AC-FT)	16,140		19,840		36,350	
10 PERCENT EXCEEDS	43		57		96	
50 PERCENT EXCEEDS	13		18		37	
90 PERCENT EXCEEDS	3.0		6.3		12	

e Estimated.

a From rating curve extended above 2100 ft³/s.

b From floodmark in gage well.

c Maximum gage height, 8.21 ft, Sep 21, 1997.

Following is a list of Transmountain Diversions no longer being published in this report. Diversions, in acre-feet, for these sites are available from the State of Colorado, Division of Water Resources.

TO PLATTE RIVER BASIN

09010000 Grand River Ditch
 09012000 Eureka Ditch
 09013000 Alva B. Adams Tunnel
 09021500 Berthoud Pass Ditch
 09022500 Moffat Water Tunnel
 09046000 Boreas Pass Ditch
 09047300 Vidler Tunnel
 09050590 Harold D. Roberts Tunnel

TO ARKANSAS RIVER BASIN

09042000 Hoosier Pass Tunnel
 09061500 Columbine Ditch
 09062500 Wurtz Ditch
 09063700 Homestake Tunnel
 09073000 Twin Lakes Tunnel
 09077160 Charles H. Boustead Tunnel
 09077500 Busk-Ivanhoe Tunnel
 09115000 Larkspur Ditch

TO RIO GRANDE RIVER BASIN

09118200 Tarbell Ditch
 09121000 Tabor Ditch
 09341000 Treasure Pass Ditch
 09347000 Don LaFont Ditches 1 & 2
 09348000 Williams Creek Squaw Pass Ditch
 09351000 Pine River-Weminuche Pass Ditch
 09351500 Weminuche Pass

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in three tables. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at special study and miscellaneous sites.

LOW-FLOW PARTIAL-RECORD STATIONS

Measurements of streamflow in the area covered by this report made at low-flow, partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

DISCHARGE MEASUREMENTS MADE AT LOW-FLOW PARTIAL-RECORD STATIONS DURING WATER YEAR 2004

Station no	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
COLORADO RIVER BASIN						
Piney River Basin						
*09058900	Moniger Creek near Minturn, CO	Lat 39°43'37", long 106°28'50", in Eagle County, on left bank 1.5 mi upstream from mouth, 7.5 mi north of Minturn (discontinued September 2004).	0.76	1965-2004	5-26-04 6-23-04 7-27-04	2.15 0.62 0.08

*Also a crest-stage partial-record station. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09058900

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharge for crest-stage stations. A crest-stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS

Station name and number	Location and drainage area	Period of record	Water year 2004 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft ³ /s)	Date	Gage height (ft)	Discharge (ft ³ /s)
PLATTE RIVER BASIN								
Lee Gulch at Littleton, CO (06709740)	Lat 39°35'47", long 105°00'57", in SW ¹ / ₄ SW ¹ / ₄ sec.21, T.5 S., R.68 W., Arapahoe County, on right bank 30 ft upstream from culvert under Prince St. and 0.6 mi upstream from mouth in Littleton. Drainage area not determined.	1980-2004	8-18-04	11.41	129	a1983	16.00	444
Dutch Creek at Platte Canyon Drive, near Littleton, CO (06709910)	Lat 39°36'01", long 105°02'28", in NW ¹ / ₄ SE ¹ / ₄ sec.19, T.5 S., R.69 W., Arapahoe County, on left bank 150 ft downstream from bridge on Platte Canyon Road. Drainage area not determined.	1985-2004	8-18-04	11.31	239	6-01-91	11.51	1,090
Little Dry Creek near Arapahoe Road, CO (06711515)	Lat 39°35'38", long 104°54'23", in NE ¹ / ₄ NE ¹ / ₄ sec.29, T.5 S., R.67 W., Arapahoe County, on right bank, 80 (formerly published as Inflow to 0 ft downstream from Quebec St. Holly Reservoir, 1985-86). Drainage area not determined.	1985-2004	8-18-04	9.29	365	a1985	10.52	800
Willow Creek at Dry Creek Road, near Englewood, CO (06711535)	Lat 39°34'49", long 104°54'42", in NW ¹ / ₄ NE ¹ / ₄ sec.32, T.5 S., R.67 W., Arapahoe County, on left bank, upstream wingwall of bridge on Dry Creek Road over Willow Creek. Drainage area not determined.	1985-2004	8-18-04	12.99	1,850	a1985	14.28	3,470
Little Dry Creek above Englewood, CO (06711555)	Lat 39°38'57", long 104°58'42", in SE ¹ / ₄ NE ¹ / ₄ sec.3, T.5 S., R.68 W., Arapahoe County, on right bank 250 ft downstream from bridge on Clarkson St., and 800 ft south of Hampton Ave., in Cherry Hills Village. Drainage area not determined. Prior to April 2, 1992, gage was located at a site 300 ft upstream from the present location.	1982-2004	8-18-04	8.11	602	a1983	15.64	1,060
Harvard Gulch at Colorado Blvd., at Denver, CO (06711570)	Lat 39°40'08", long 104°56'32", in SE ¹ / ₄ SE ¹ / ₄ sec.25, T.4 S., R.67 W., Denver County, on left bank, 100 ft upstream from S. Jackson St., and 400 ft north of E. Yale Ave. Drainage area not determined.	1979-2004	--	--	Not determined	7-08-01	13.98	1,100
Harvard Gulch at Harvard Park at Denver, CO (06711575)	Lat 39°40'21", long 104°58'35", in NW ¹ / ₄ SW ¹ / ₄ sec.26, T.4 S., R.68 W., Denver County, on left bank, 200 ft north of E. Harvard Ave. and 300 ft west of S. Ogden St., directly north of Porter Hospital. Drainage area not determined.	1979-2004	06-18-04	13.56	249	7-12-96	16.25	1,100

MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS--Continued

Station name and number	Location and drainage area	Period of record	Water year 2004 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft ³ /s)	Date	Gage height (ft)	Discharge (ft ³ /s)
PLATTE RIVER BASIN--Continued								
Weir Gulch upstream from 1st Avenue, at Denver, CO (06711618)	Lat 39°43'03", long 105°02'30", in NW ¹ / ₄ SE ¹ / ₄ sec.7, T.4 S., R.68 W., Denver County, 250 ft upstream from 1st Ave., in Denver. Drainage area not determined.	1985-2004	8-18-04	10.06	120	8-01-91	11.91	523
Dry Gulch at Denver, CO (06711770)	Lat 39°44'03", long 105°02'20", in SW ¹ / ₄ NE ¹ / ₄ sec.6, T.4 S., R.68 W., Denver County, 800 ft upstream from confluence with Lakewood Gulch, north of West 10th Ave., at Perry St., in Denver. Drainage area not determined.	1980-2004	8-18-04	12.13	167	a1981	16.00	445
Lakewood Gulch at Denver, CO (06711780)	Lat 39°44'06", long 105°01'54", in SW ¹ / ₄ NW ¹ / ₄ sec.5, T.4 S., R.68 W., Denver County, 2,000 ft downstream from confluence with Dry Gulch, near intersection of Knox Ct., and West 12th Ave., in Denver. REVISED RECORDS.--WDR CO-02-1: 2001(M). Drainage area not determined.	1980-2004	6-27-04	14.76	745	8-19-98	14.80	1,180
Westerly Creek at Aurora, CO (06714260)	Lat 39°44'43", long 104°52'48", in NW ¹ / ₄ SW ¹ / ₄ sec.34, T.3 S., R.67 W., Adams County, 50 ft upstream from footbridge, 800 ft upstream from Montview Blvd., and 100 ft east of Boston St., in Aurora. REVISED RECORDS.--WDR CO-90-1: 1983-85, 1987-88. Drainage area not determined.	1982-2004	8-18-04	12.73	604	a1983	14.45	1,530
Lena Gulch at Lakewood, CO (06719560)	Lat 39°44'27", long 105°08'49", in SE ¹ / ₄ SE ¹ / ₄ sec.31, T.3 S., R.69 W., Jefferson County, on right bank 200 ft north of West 15th Drive at Arbutus. Prior to July 6, 1988, at site approx. 500 ft downstream (formerly published as Lena Gulch at Alkire at Golden, CO, 1986-87). Drainage area is approximately 9.0 mi ² .	1974-79 1986-2004	6-27-04	13.13	407	7-20-75	14.41	641
Little Dry Creek at Westminster, CO (06719840)	Lat 39°49'34", long 105°02'25", in NW ¹ / ₄ NE ¹ / ₄ sec.6, T.3 S., R.68 W., Adams County, 400 ft downstream from 72nd Ave. in Westminster. REVISED RECORDS.--WDR CO-89-1: 1986. Drainage area not determined.	1982-2004	8-18-04	11.32	347	6-01-91	13.09	1,280
ARKANSAS RIVER BASIN								
Red Creek below Sullivan Park at Fort Carson, CO (07099080)	Lat 38°29'59", long 104°54'48", in SE ¹ / ₄ NW ¹ / ₄ sec.8, T.18 S., R.67 W., Pueblo County, Hydrologic Unit 11020002, on Fort Carson Military Reservation, on right bank 0.8 mi downstream from Sullivan Park outflow, 1.5 mi south of Camp Red Devil, 1.5 mi east of State Highway 115, and 4.9 mi northeast of Penrose. Drainage area is 26.6 mi ² .	2000-2003b 2004	9-22-04	2.83	0.57	8-08-03	5.81	2,320
Kettle Creek above U.S. Air Force Academy, CO (07103960)	Lat 38°58'34", long 104°47'55", in NW ¹ / ₄ SE ¹ / ₄ sec.29, T.12 S., R.66 W., El Paso County, Hydrologic Unit 11020003, on right bank 10 ft downstream from State Highway 83, 0.5 mi upstream from flood-retention dam, 0.6 mi east of Interstate 25, 2.7 mi upstream from mouth, and 5.4 mi southeast of U.S. Air Force Academy Chapel. Drainage area is 16.0 mi ² .	2000-2003b 2004	8-04-04	6.19	270	8-04-04	6.19	270

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS--Continued

Station name and number	Location and drainage area	Period of record	Water year 2004 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft ³ /s)	Date	Gage height (ft)	Discharge (ft ³ /s)
ARKANSAS RIVER BASIN--Continued								
Cottonwood Creek at Cowpoke Road at Colorado Springs, CO (07103977)	Lat 38°57'04", long 104°42'47", in SE ¹ / ₄ NW ¹ / ₄ sec.6, T.13 S., R.65 W., El Paso County, Hydrologic Unit 11020003, on right bank (revised) 10 ft downstream from Cowpoke Road bridge (revised) at Colorado Springs, 1.0 mi upstream from Woodmen Road, and 5.3 mi east of Interstate 25. Drainage area is 5.93 mi ² .	1998-2002b 2003-2004	--	--	Unknown	6-23-99	6.25	230
Cottonwood Creek Tributary above Rangewood Drive at Colorado Springs, CO (07103985)	Lat 38°55'45", long 104°44'48", in SE ¹ / ₄ SW ¹ / ₄ sec.11, T.13 S., R.66 W., El Paso County, Hydrologic Unit 11020003, on right bank 400 ft upstream from Dublin Road at Colorado Springs, 0.2 mi upstream from Rangewood Drive, 0.5 mi upstream from mouth, and 3.2 mi east of Interstate 25. Drainage area is 2.81 mi ² .	1998-2002b 2003-2004	6-27-04	8.44	2,010	7-13-01	8.76	2,960
North Rockrimmon Creek above Delmonico Dr. at Colorado Springs, CO (07104050)	Lat 38°54'56", long 104°49'35", in SW ¹ / ₄ NE ¹ / ₄ sec.18, T.13 S., R.66 W., El Paso County, on both banks, 300 ft upstream from Delmonico Drive at Colorado Springs, 0.2 mi west of Interstate 25, 0.3 mi upstream from mouth, and 2.0 mi downstream from Woodmen Road. Drainage area 1.82 mi ² .	1998-2004	7-23-04	4.54	340	7-24-01	6.46	745
Bear Creek above 8th Street at Colorado Springs, CO (384909104504401)	Lat 38°49'09", long 104°50'44", in SW ¹ / ₄ NW ¹ / ₄ sec.24, T.14 S., R.67 W., El Paso County, Hydrologic Unit 11020003, on left bank 150 ft upstream from small right-bank tributary, 500 ft west of 8th Street at Colorado Springs, 0.3 mi southeast of Penrose Stadium, 0.6 mi west of Interstate 25, and 0.7 mi upstream from mouth. Drainage area is not determined.	2003-2004	7-16-04	10.38	344	7-16-04	10.38	344
			8-31-03	6.00	125			
Big Arroyo near Thatcher, CO (07120620)	Lat 37°33'17", long 104°01'16", in NW ¹ / ₄ NW ¹ / ₄ sec.4, T.29 S., R.59 W., Las Animas County, on Pinon Canyon Maneuver site, on left bank 30 ft upstream from bridge on Pipeline Road, 5.3 mi upstream from mouth, and 4.8 mi east of Thatcher. REVISED RECORDS.--WDR CO-97-1:1987 (M). Drainage area is 15.5 mi ² .	1983-90b 1991-2004	4-23-04	2.76	2.1	8-11-97	5.78	1,780
Big Sandy Creek above Amity Canal Diversion, near Kornman, CO (07134000)	Lat 38°12'52", long 102°28'47", in NE ¹ / ₄ NW ¹ / ₄ sec.21, T.21 S., R.45 W., Prowers County, on left bank 106 ft upstream from Amity Canal Diversion 7.0 mi upstream from mouth, and 9.0 mi northeast of Kornman. Drainage area is 3,136 mi ² , of which about 585 mi ² is probably noncontributing.	1941-46b 1996-2004	6-18-04	11.33	Not determined	5-04-99	14.00	3,580
COLORADO RIVER BASIN								
Piney River Basin								
*Moniger Creek near Minturn, CO (09058900)	Lat 39°43'37", long 106°28'50", near Minturn, in Eagle County, on left bank 1.5 mi upstream from mouth, 7.5 mi north of Minturn. Drainage area is 0.76 mi ² (discontinued September 2004).	1965-2004	5-06-04	1.61	7.49	6-01-03	2.06	29.6

a-Month or day of occurrence is unknown or not exact.
b-Previously operated as a continuous-record gaging station.
c-At different datum.
e-Estimated.

*Also a low-flow partial-record station. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09058900

SPECIAL STUDY AND MISCELLANEOUS SITES

Discharge measurements in the following table were made at a miscellaneous site. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=07079195

DISCHARGE MEASUREMENTS MADE AT SPECIAL STUDY AND MISCELLANEOUS SITES DURING WATER YEAR 2004

ARKANSAS RIVER BASIN

Station no	Station name	Location and drainage area	Date	Discharge (ft ³ /s)
07079195	East Fork Arkansas River at Highway 91 near Leadville, CO	Lat 39°17'09", long 106°16'45", in NW ¹ / ₄ NE ¹ / ₄ , sec. 12, T.9 S., R. 80 W. Lake County, Hydrologic Unit 11020001, on right bank, 20 ft upstream of State Highway 91, 1.6 mi north of Leadville. Drainage area is 35.0 mi ² .	10-01-03	15
			11-05-03	8.3
			12-03-03	7.3
			1-07-04	6.6
			2-05-04	5.4
			3-02-04	6.4
			4-07-04	7.6
			5-05-04	24
			6-02-04	75
			6-08-04	138
			7-07-04	49
8-03-04	25			
9-01-04	12			

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Arkansas River, above Pueblo, surface-water record	136
at Canon City, surface-water record	125
at Catlin Dam near Fowler, surface-water record	165
at Granite, surface-water record	120
at La Junta, surface-water record	167
at Lamar, surface-water record	181
at Las Animas, surface-water record	168
at Moffat Street at Pueblo, surface-water record	137
at Parkdale, surface-water record	124
at Portland, surface-water record	127
below Empire Gulch, near Malta, surface-water record	119
below Granite, surface-water record	121
below John Martin Reservoir, surface-water record	180
near Avondale, surface-water record	162
near Coolidge, KS, surface-water record	186
near Granada, surface-water record	183
near Leadville, surface-water record	116
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Big Dry Creek below C-470 at Highlands Ranch, surface-water record	68
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Big Sandy Creek above Amity Canal Diversion, near Kornman, crest-stage partial record	368
Big Sandy Creek near Lamar, surface-water record	182
Big Thompson River, at Loveland, surface-water record	102
at mouth of canyon near Drake, surface-water record	101
below Moraine Park near Estes Park, surface-water record	100
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Calendar for Water Year 2004

2003

October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4							1		1	2	3	4	5	6
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31			
							30													

2004

January							February							March						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	1	2	3	4	5	6	7		1	2	3	4	5	6
4	5	6	7	8	9	10	8	9	10	11	12	13	14	7	8	9	10	11	12	13
11	12	13	14	15	16	17	15	16	17	18	19	20	21	14	15	16	17	18	19	20
18	19	20	21	22	23	24	22	23	24	25	26	27	28	21	22	23	24	25	26	27
25	26	27	28	29	30	31	29							28	29	30	31			

April							May							June						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3							1			1	2	3	4	5
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30			
							30	31												

July							August							September						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	1	2	3	4	5	6	7				1	2	3	4
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31					26	27	28	29	30		

Conversion Factors

Multiply	By	To obtain
Length		
inch (in.)	2.54×10^1	millimeter (mm)
	2.54×10^{-2}	meter (m)
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^0	kilometer (km)
Area		
acre	4.047×10^3	square meter (m ²)
	4.047×10^{-1}	square hectometer (hm ²)
	4.047×10^{-3}	square kilometer (km ²)
square mile (mi ²)	2.590×10^0	square kilometer (km ²)
Volume		
gallon (gal)	3.785×10^0	liter (L)
	3.785×10^{-3}	cubic meter (m ³)
	3.785×10^0	cubic decimeter (dm ³)
million gallons (Mgal)	3.785×10^3	cubic meter (m ³)
	3.785×10^{-3}	cubic hectometer (hm ³)
cubic foot (ft ³)	2.832×10^{-2}	cubic meter (m ³)
	2.832×10^1	cubic decimeter (dm ³)
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter (m ³)
	2.447×10^{-3}	cubic hectometer (hm ³)
acre-foot (acre-ft)	1.233×10^3	cubic meter (m ³)
	1.233×10^{-3}	cubic hectometer (hm ³)
	1.233×10^{-6}	cubic kilometer (km ³)
Flow		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second (L/s)
	2.832×10^{-2}	cubic meter per second (m ³ /s)
	2.832×10^1	cubic decimeter per second (dm ³ /s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m ³ /s)
	6.309×10^{-2}	cubic decimeter per second (dm ³ /s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second (m ³ /s)
	4.381×10^1	cubic decimeter per second (dm ³ /s)
Mass		
ton (short)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$