

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ANNUAL PEAK DISCHARGES FROM SMALL DRAINAGE  
AREAS IN MONTANA THROUGH SEPTEMBER 1980

by

R. J. Omang, Charles Parrett, and J. A. Hull

Open-File Report 81-332

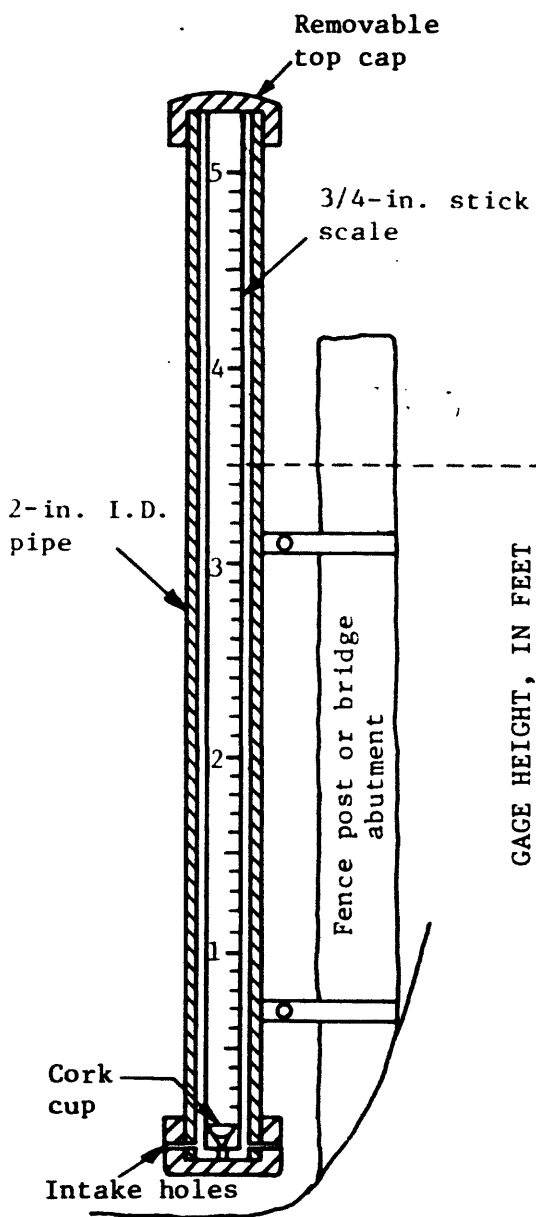
The opinions, findings, and conclusions expressed in this publication are those of the U.S. Geological Survey and not necessarily those of the State of Montana - Department of Highways, the U.S. Department of Transportation - Federal Highway Administration, or the U.S. Department of Agriculture - Forest Service.

Helena, Montana  
March 1981

For sale by:

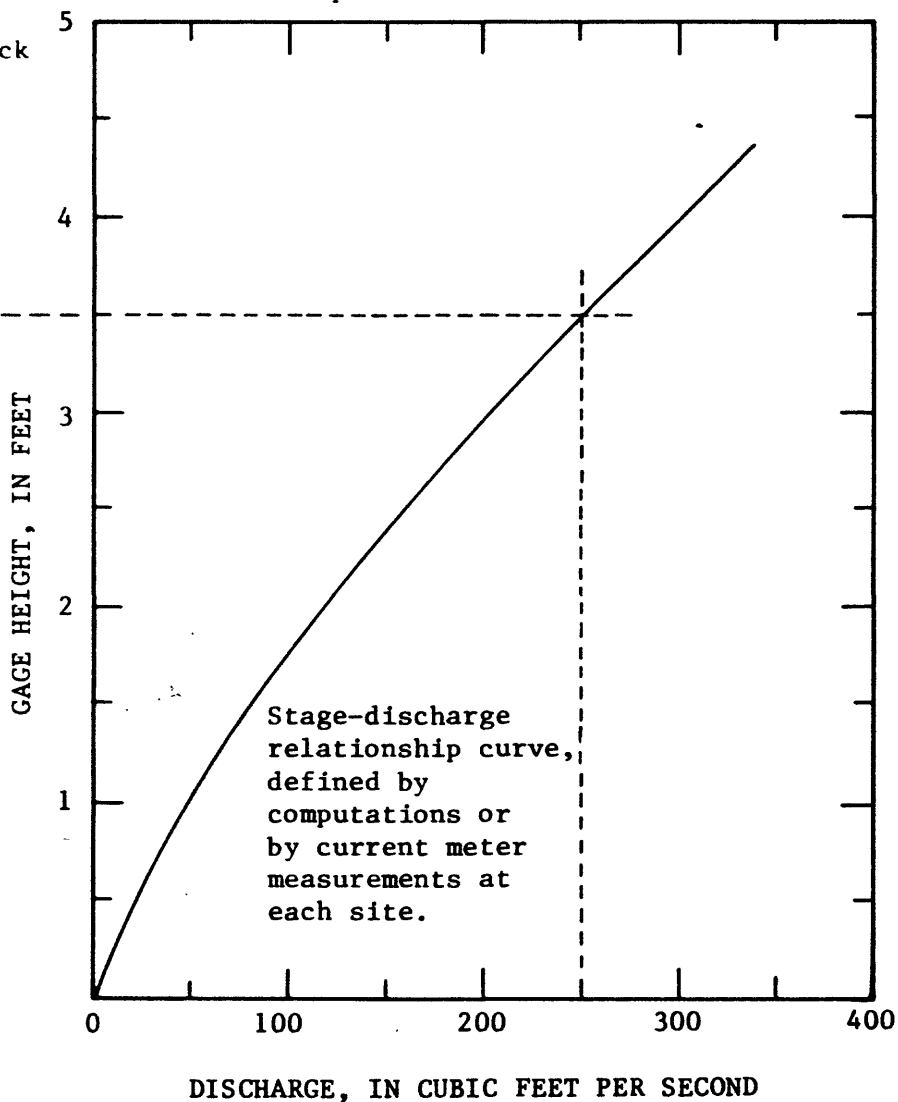
Open-File Services Section  
Branch of Distribution  
U.S. Geological Survey, MS 306  
Box 25425, Denver Federal Center  
Denver, CO 80225  
(303) 234-5888

# CREST-STAGE GAGE DIAGRAM AND EXAMPLE



Water enters the intake holes and deposits a cork line on the stick scale at maximum stage.

EXAMPLE: cork deposited at gage height 3.50 feet; thus  $Q$  equals 250 cubic feet per second



## CONTENTS

	Page
Crest-stage gage stations, in downstream order. . . . .	IV
Metric conversion table . . . . .	VIII
Introduction. . . . .	1
Purpose of the program. . . . .	2
Program operation . . . . .	3
Program activities, 1980 water year . . . . .	4
Program plans, 1981 water year. . . . .	5
Presentation of data. . . . .	5
Station data. . . . .	7
Missouri River basin . . . . .	7
Columbia River basin . . . . .	91
Index to stations . . . . .	108

## ILLUSTRATIONS

Figure 1. Map showing locations of active crest-stage gage stations. . . . .	113
2. Hydrologic unit map. . . . .	114

## CREST-STAGE GAGE STATIONS, IN DOWNSTREAM ORDER

Station number	Station name	Page
<u>Missouri River basin</u>		
06013500	Big Sheep Creek below Muddy Creek, near Dell . . . . .	7
06015430	Clark Canyon near Dillon . . . . .	8
06019400	Sweetwater Creek near Alder. . . . .	8
06019800	Idaho Creek near Alder . . . . .	9
06025100	Quartz Hill Gulch near Wise River. . . . .	9
06027700	Fish Creek near Silver Star. . . . .	10
06030300	Jefferson River tributary No. 2 near Whitehall . . . . .	10
06031950	Cataract Creek near Basin. . . . .	11
06038550	Cabin Creek near West Yellowstone. . . . .	12
06043300	Logger Creek near Gallatin Gateway . . . . .	12
06046500	Rocky Creek (head of East Gallatin River) near Bozeman . .	13
06053050	Lost Creek near Ringling . . . . .	13
06056300	Cabin Creek near Townsend. . . . .	14
06058700	Mitchell Gulch near East Helena. . . . .	15
06071600	Wegner Creek at Craig. . . . .	15
06073600	Black Rock Creek near Augusta. . . . .	16
06076700	Sheep Creek near Neihart . . . . .	17
06077300	Trout Creek near Eden. . . . .	17
06077800	Goodman Coulee near Eden . . . . .	18
06090550	Little Otter Creek near Raynesford . . . . .	19
06090810	Ninemile Coulee near Fort Benton . . . . .	19
06097100	Blacktail Creek near Heart Butte . . . . .	20
06098700	Powell Coulee near Browning. . . . .	20
06100300	Lone Man Coulee near Valier. . . . .	21
06101520	Favot Coulee tributary near Ledger . . . . .	21
06101700	Fey Coulee tributary near Chester. . . . .	22
06105800	Bruce Coulee tributary near Choteau. . . . .	23
06109530	Little Sandy Creek tributary near Virgelle . . . . .	23
06109560	Alkali Coulee tributary near Virgelle. . . . .	24
06111700	Mill Creek near Lewistown. . . . .	24
06112800	Bull Creek tributary near Hilger . . . . .	25
06114550	Wolf Creek tributary near Coffee Creek . . . . .	26
06114900	Taffy Creek tributary near Winifred. . . . .	26
06115300	Duval Creek near Landusky. . . . .	27
06117800	Dirty Creek near Martinsdale . . . . .	27
06120800	Antelope Creek tributary No. 2 near Harlowton. . . . .	28
06123200	Spring Creek tributary near Harlowton. . . . .	28
06124600	East Fork Roberts Creek tributary near Judith Gap. . . .	29
06125520	Swimming Woman Creek tributary near Living Springs . . .	29
06125680	Big Coulee Creek tributary near Cushman. . . . .	30

## CREST-STAGE GAGE STATIONS, IN DOWNSTREAM ORDER

## Page

06127505	Fish Creek near Musselshell. . . . .	30
06127520	Home Creek near Sumatra. . . . .	31
06127570	Butts Coulee near Melstone . . . . .	31
06127585	Little Wall Creek tributary near Flatwillow. . . . .	32
06128500	South Fork Bear Creek tributary near Roy . . . . .	33
06129800	Gorman Coulee tributary near Cat Creek . . . . .	33
06130610	Bair Coulee near Mosby . . . . .	34
06130620	Blood Creek tributary near Valentine . . . . .	35
06130850	Second Creek tributary No. 2 near Jordan . . . . .	35
06130915	Russian Coulee near Jordan . . . . .	36
06130925	Thompson Creek tributary near Cohagen. . . . .	37
06130940	Spring Creek tributary near Van Norman . . . . .	37
06131100	Timber Creek tributary near Van Norman . . . . .	38
06131300	McGuire Creek tributary near Van Norman. . . . .	38
06132400	Dry Fork Milk River near Babb. . . . .	39
06134800	Van Cleeve Coulee tributary near Sunburst. . . . .	39
06136400	Spring Coulee tributary near Simpson . . . . .	40
06137600	Sage Creek tributary No. 2 near Joplin . . . . .	41
06138700	South Fork Spring Coulee near Havre. . . . .	41
06153400	Fifteenmile Creek tributary near Zurich. . . . .	42
06154350	Peoples Creek tributary near Lloyd . . . . .	42
06154410	Little Peoples Creek near Hays . . . . .	43
06155300	Disjardin Coulee near Malta. . . . .	43
06155600	Murray Coulee tributary near Hogeland. . . . .	44
06156100	Lush Coulee near Whitewater. . . . .	45
06164600	Beaver Creek tributary near Zortman. . . . .	45
06165200	Beaver Creek tributary No. 2 near Malta. . . . .	46
06172300	Unger Coulee near Vandalia . . . . .	46
06173300	Willow Creek tributary near Fort Peck. . . . .	47
06174300	Milk River tributary No. 3 near Glasgow. . . . .	47
06174600	Snow Coulee at Opheim. . . . .	48
06175700	East Fork Wolf Creek near Lustre . . . . .	48
06175900	Wolf Creek tributary No. 2 near Wolf Point . . . . .	49
06176950	Missouri River tributary No. 6 near Wolf Point . . . . .	50
06177020	Tule Creek tributary near Wolf Point . . . . .	50
06177050	East Fork Duck Creek near Brockway . . . . .	51
06177700	Cow Creek tributary near Vida. . . . .	52
06177720	West Fork Sullivan Creek near Richey . . . . .	52
06177800	Wolf Creek tributary near Vida . . . . .	53
06177820	North Fork Creek tributary near Richey . . . . .	53
06179100	Butte Creek tributary near Four Buttes . . . . .	54
06182700	Middle Fork Big Muddy Creek near Flaxville . . . . .	54
06183300	Spring Creek near Plentywood . . . . .	55
06184200	Lost Creek tributary near Homestead. . . . .	56
06185400	Missouri River tributary No. 5 at Culbertson . . . . .	56

## CREST-STAGE GAGE STATIONS, IN DOWNSTREAM ORDER

	Page
06201700 Hump Creek near Reed Point . . . . .	57
06205100 Allen Creek near Park City . . . . .	57
06207600 Jack Creek tributary near Belfry . . . . .	58
06214150 Mills Creek at Rapelje . . . . .	59
06216200 West Wets Creek near Billings. . . . .	59
06217300 Twelvemile Creek near Shepherd . . . . .	60
06217700 Crooked Creek tributary near Shepherd. . . . .	61
06290200 Little Bighorn River tributary near Wyola. . . . .	61
06293300 Long Otter Creek near Lodgegrass . . . . .	62
06294400 Andresen Coulee near Custer. . . . .	62
06294600 Tullock Creek tributary near Hardin. . . . .	63
06294930 Sarpy Creek tributary near Colstrip. . . . .	63
06294960 Anderson Creek at Vananda. . . . .	64
06294985 East Fork Armells Creek tributary near Colstrip. . . . .	64
06295020 Short Creek near Forsyth . . . . .	65
06296115 Reservation Creek near Miles City. . . . .	65
06306900 Spring Creek near Decker . . . . .	66
06306950 Leaf Rock Creek near Kirby . . . . .	66
06307520 Canyon Creek near Birney . . . . .	67
06307620 Tie Creek near Birney. . . . .	68
06307700 Cow Creek near Fort Howes ranger station, near Otter . .	68
06307720 Brian Creek near Ashland . . . . .	69
06307780 Stebbins Creek at mouth, near Ashland. . . . .	69
06307930 Jack Creek near Volborg. . . . .	70
06308100 Sixmile Creek tributary near Epsie . . . . .	70
06308200 Basin Creek tributary near Volborg . . . . .	71
06308330 Deer Creek tributary near Volborg. . . . .	72
06308340 La Grange Creek near Volborg . . . . .	72
06309060 North Sunday Creek tributary No. 2 near Angela . . . . .	73
06309078 Tree Coulee near Kinsey. . . . .	73
06309080 Deep Creek near Kinsey . . . . .	74
06324700 Sand Creek near Broadus. . . . .	75
06324995 Badger Creek at Biddle . . . . .	76
06325400 East Fork Little Powder River tributary near Hammond . .	76
06325700 Powder River tributary near Powderville. . . . .	77
06325950 Cut Coulee near Mizpah . . . . .	77
06326510 Locate Creek tributary near Locate . . . . .	78
06326550 Cherry Creek tributary near Terry. . . . .	78
06326580 Lame Jones Creek tributary near Willard. . . . .	79
06326600 O'Fallon Creek near Ismay. . . . .	79
06326800 Pennel Creek near Baker. . . . .	80
06326940 Spring Creek tributary near Fallon . . . . .	81
06326950 Yellowstone River tributary No. 5 near Marsh . . . . .	82
06326960 Timber Fork Creek tributary near Lindsay . . . . .	82
06327550 South Fork Horse Creek tributary near Wibaux . . . . .	83

## CREST-STAGE GAGE STATIONS, IN DOWNSTREAM ORDER

	Page
06327720	Griffith Creek tributary near Glendive . . . . . 83
06327790	Krug Creek tributary No. 2 near Wibaux . . . . . 84
06328100	Yellowstone River tributary No. 6 near Glendive. . . . . 84
06328400	Thirteenmile Creek tributary near Bloomfield . . . . . 85
06329350	Alkali Creek tributary near Sidney . . . . . 85
06329510	Fox Creek tributary near Lambert . . . . . 86
06329570	First Hay Creek near Sidney. . . . . 86
06334100	Wolf Creek near Hammond. . . . . 87
06334330	Little Missouri River tributary near Albion. . . . . 88
06334610	Box Elder Creek tributary near Albion. . . . . 89
06334625	Coal Creek near Mill Iron. . . . . 89
06334720	Soda Creek tributary near Webster. . . . . 90

Columbia River basin

12300400	Cayuse Creek near Trego. . . . . 91
12300800	Deep Creek near Fortine. . . . . 91
12301993	Wolf Creek tributary near Libby. . . . . 92
12301997	Richards Creek near Libby. . . . . 93
12302400	Shaughnessy Creek near Libby . . . . . 93
12303400	Ross Creek (head of Lake Creek) near Troy. . . . . 94
12303440	Camp Creek near Troy . . . . . 95
12304060	Blacktail Creek near Yaak. . . . . 95
12304120	Zulu Creek near Yaak . . . . . 96
12304300	Cyclone Creek near Yaak. . . . . 96
12323300	Smith Gulch near Silver Bow. . . . . 97
12324250	Cottonwood Creek at Deer Lodge . . . . . 97
12324700	Clark Fork tributary near Drummond . . . . . 98
12331700	Edwards Gulch at Drummond. . . . . 98
12338600	Monture Creek at Forest Service boundary, near Ovando. . 99
12339300	Deer Creek near Seeley Lake. . . . . 99
12339900	West Twin Creek near Bonner. . . . . 100
12342950	Trapper Creek near Conner. . . . . 100
12344300	Burke Gulch near Darby . . . . . 101
12345850	Sleeping Child Creek near Hamilton . . . . . 102
12353250	Ninemile Creek near Alberton . . . . . 102
12353800	Thompson Creek near Superior . . . . . 103
12355350	Big Creek at Big Creek ranger station, near Columbia Falls. . . . . 103
12356500	Bear Creek near Essex. . . . . 104
12369250	Holland Creek near Condon. . . . . 104
12370500	Dayton Creek near Proctor. . . . . 105
12389150	McGregor Creek tributary near Marion . . . . . 105
12391100	White Pine Creek near Trout Creek. . . . . 106
12391200	Canyon Creek near Trout Creek. . . . . 106
12391430	Skeleton Creek near Noxon. . . . . 107
12391525	Snake Creek near Noxon . . . . . 107



## METRIC CONVERSION TABLE

The following factors may be used to convert the inch-pound units published herein to the International System (SI) of metric units.

<u>Multiply inch-pound units</u>	<u>By</u>	<u>To obtain SI units</u>
<u>Length</u>		
foot (ft)	0.3048	meter (m)
inch (in.)	25.40	millimeter (mm)
mile (mi)	1.609	kilometer (km)
<u>Area</u>		
square mile (mi <sup>2</sup> )	2.590	square kilometer (km <sup>2</sup> )
<u>Flow</u>		
cubic foot per second (ft <sup>3</sup> /s)	.02832	cubic meter per second (m <sup>3</sup> /s)

National Geodetic Vertical Datum of 1929 (NGVD of 1929): A geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Mean Sea Level." NGVD of 1929 is referred to as sea level in this report.

ANNUAL PEAK DISCHARGES FROM SMALL DRAINAGE  
AREAS IN MONTANA THROUGH SEPTEMBER 1980

by

R. J. Omang, Charles Parrett, and J. A. Hull

---

INTRODUCTION

A program to investigate the magnitude and frequency of floods from small drainage areas in Montana was begun July 1, 1955. Originally 45 crest-stage gage stations were established. The program was expanded to 152 stations in 1959, and to 216 stations in 1963. An average 214 stations were operated from 1963 to 1967, 199 from 1968 through mid 1970, and 193 from mid 1970 through 1973.

In 1973 the program was evaluated. The evaluation indicated that 62 existing stations should be continued for long-term record, all other stations should be discontinued upon collection of 15 years of record, and about 100 new stations should be established to increase the density of the network of stations. During water years 1974-75, 111 new stations were established, making a total of 328 sites at which usable data have been collected since 1955. During the 1980 water year (October 1979 through September 1980) 172 gages were operated--142 east of the Continental Divide and 30 west of the divide. The location of each current station is shown on figure 1.

The program of peak stage and discharge measurement is maintained by the U.S. Geological Survey in cooperation with the Planning and Research Bureau of the Montana Department of Highways, the Federal Highway Administration of the U.S. Department of Transportation, and the Forest Service of the U.S. Department of Agriculture.

This, the twenty-sixth annual report, is primarily a tabulation, by water year, of the annual peak stage and discharge at each active crest-stage gage station. It also summarizes the activities and progress made during the 1980 water year.

Data on outstanding floods and streamflow, collected under other programs at sites where crest-stage gages are not operated, are furnished during the year to cooperating agencies upon request.

#### PURPOSE OF THE PROGRAM

The purpose of the program is to collect sufficient peak-flow data to permit development of methods for estimating the magnitude and frequency of floods at any point in Montana. The ultimate objective is to determine methods for estimating the 1-percent chance flood (one having a 100-year recurrence interval) with the reliability needed for road design. Reliability depends in part on the definition of regional boundaries, which need to be defined from a relatively dense network of crest-stage stations.

A part of the program has been fulfilled by a report<sup>1</sup> based on data collected from 1955 through 1966. That report presents a method for determining the magnitude of floods having 10-year and 25-year recurrence intervals for drainage areas of less than 100 mi<sup>2</sup>.

---

<sup>1</sup> Boner, F. C., and Omang, R. J., 1967, Magnitude and frequency of floods from drainage areas less than 100 square miles in Montana: U.S. Geological Survey open-file report, 23 p.

A second report<sup>2</sup> released in January 1976 gives methods for estimating magnitude and frequency of floods up to 100-year recurrence interval. This report does not meet the ultimate objective because the standard errors of estimate are large and the reliability poor. The increased density of the network of stations should help define areal boundaries better and, thus, improve reliability.

#### PROGRAM OPERATION

At each gaging station one or more standard Geological Survey crest-stage gages record the maximum stage reached by the water surface (see sketch inside front cover). Many stations are located at highway culverts, which are used as control structures for rating the peak discharge. If the peak discharge is not measured, it can be computed from the shape of the channel near the culvert, the culvert geometry, and the water-surface profile upstream and downstream from the culvert at the time of the peak flow. The water-surface profile, obtained from marks recorded on the crest-stage gages, is usually supplemented by nearby high-water marks along the stream channel.

Flow records for continuous-record gaging stations, which are a part of other cooperative programs, supplement the crest-stage network. The continuous-record stations help establish the date of recorded peak stages and help detect peaks at times when the crest-stage gages may not have been functioning properly. Climatological data published by the National Weather Service are also used to help determine the dates of peak discharge.

---

<sup>2</sup> Johnson, M. V., and Omang, R. J., 1976, A method for estimating magnitude and frequency of floods in Montana: U.S. Geological Survey Open-File Report 75-650, 35 p.

The crest-stage gage stations provide information from drainage areas that range in size from less than 1 mi<sup>2</sup> to several hundred square miles. The areas represent various hydrologic conditions. During the 1980 water year the network included 26 stations having drainage areas less than 1 mi<sup>2</sup>, 98 stations having areas from 1 to 10 mi<sup>2</sup>, 39 stations having areas from 10 to 50 mi<sup>2</sup>, and 9 stations having areas of more than 50 mi<sup>2</sup>.

#### PROGRAM ACTIVITIES, 1980 WATER YEAR

Operation of the crest-stage gages to record peak stages continued to be the primary phase of work. Periodic visits were made to service the gages and record the peak stages that occurred between visits. Changes in channel, culvert, and control conditions were also noted.

Sixty-one sites were operated as long-term stations, and 111 sites were operated as short-term stations. Short-term stations will be discontinued only when 15 years of record have been accumulated or when sites are found to be unsuitable. One long-term station was discontinued at the end of 1979.

In general peak flows during the 1980 water year were low. Peak flow of record was equaled or exceeded at three sites. Transit-stadia surveys for computation of peak flow were made at three sites. At five other sites flow-through-culvert computations were made to define the stage-discharge relation. West of the divide the stage-discharge relation at most sites was well defined by current-meter measurements. Other fieldwork included closed traverse surveys to determine any changes in the altitude of the gage.

## PROGRAM PLANS, 1981 WATER YEAR

During the 1981 water year 53 long-term stations will be operated east of the Continental Divide and 8 west of the divide. In addition, 89 short-term stations will be operated east of the divide and 22 short-term stations west of the divide. A report summarizing peak-flow data through September 30, 1981, will be published by April 1, 1982.

An analysis of peak-flow data collected prior to and including the 1978 water year will be completed about April 1, 1981. Some of the basin and climatic characteristics have been re-evaluated on the basis of new maps and longer climatic records. The analysis will give methods for estimating magnitude and frequency of floods for recurrence intervals of as much as 100 years.

## PRESENTATION OF DATA

All active stations are listed in downstream order. Those in the Missouri River basin (Part 6) are listed first, followed by those in the Columbia River basin (Part 12). The part number is the identification numeral of the river basin as used in U.S. Geological Survey water-supply papers. Each station description includes the permanent station number, station location, hydrologic unit code (see fig. 2), drainage area, period of record, type of gage, and altitude of gage. Following the description, the annual maximum gage height (or stage) and discharge are listed for each water year of record. The date given for each annual peak is as near the actual day on which the peak flow occurred as can be determined from available data.

The annual peak discharges in the tables are subject to revision. A peak discharge listing of "unknown" means a reliable figure is not available. Peak discharges listed as "not determined" will be determined when the stage-discharge relation is defined. This may require 2 or more years of data collection.

Explanation of the footnotes used in the station data tabulations are listed below.

- a About.
- b Backwater.
- c No evidence of flow during year.
- d Includes an estimated 15 ft<sup>3</sup>/s, bypass/ flow.
- e Prior to installation of gage.
- f Peak discharge did not reach bottom of gage.
- g Maximum observed.
- h Combination of flow in Monture and Dunham Creeks.

## STATION DATA

MISSOURI RIVER BASIN

06013500 Big Sheep Creek below Muddy Creek, near Dell, MT

Location.--Lat 44°39'19", long 112°46'41", Hydrologic Unit 10020001, in SE1/4 sec.35, T.13 S., R.10 W., Beaverhead County, 6.5 mi (10.5 km) southwest of Dell.

Drainage area.--278 mi<sup>2</sup> (720 km<sup>2</sup>).

Records available.--May 1946 to September 1953 (continuous record), June 1959 to September 1976 (peak record), October 1976 to September 1979 (continuous record), 1980.

Gage.--Water-stage recorder re-installed June 24, 1959. Altitude of gage is 6,390 ft (1,950 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1946	May 28, 1946	5.54	379
1947	Mar. 18, 1947	5.54	379
1948	Aug. 1, 1948	5.49	369
1949	Apr. 12, 1949	6.02	477
1950	Apr. 1, 1950	5.68	406
1951	Aug. 4, 1951	4.82	234
1952	Apr. 18, 1952	7.72	909
1953	June 2, 1953	5.23	313
1960	Mar. 26, 1960	4.44	168
1961	Apr. 4, 1961	3.98	84
1962	Apr. 2, 1962	4.83	236
1963	June 15, 1963	5.38	343
1964	June 10, 1964	6.06	491
1965	Apr. 21, 1965	5.48	365
1966	Apr. 2, 1966	4.59	195
1967	June 11, 1967	5.48	365
1968	June 9, 1968	5.93	462
1969	Apr. 3, 1969	6.94	701
1970	May 5, 1970	5.42	384
1971	May 31, 1971	5.17	311
1972	June 24, 1972	5.49	377
1973	Apr. 28, 1973	6.60	620
1974	Apr. 25, 1974	4.56	180
1975	May 15, 1975	6.56	615
1976	Apr. 8, 1976	6.41	578
1977	June 10, 1977	5.08	277
1978	Mar. 29, 1978	4.54	184
1979	Apr. 17, 1979	5.14	289
1980	Apr. 22, 1980	5.22	343



## 06015430 Clark Canyon near Dillon, MT

Location.--Lat 45°00'56", long 112°50'10", Hydrologic Unit 10020002, in SE1/4 SW1/4 sec.28, T.9 S., R.10 W., Beaverhead County, at culvert on county road, 0.3 mi (0.5 km) south of Interstate Highway 15 and junction with access road, 1.6 mi (2.6 km) north of Interstate Highway 15 and junction to Clark Canyon Dam, 17.0 mi (27.4 km) southwest of Dillon.

Drainage area.--18.0 mi<sup>2</sup> (46.6 km<sup>2</sup>).

Records available.--1969, October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 8, 1974. Altitude of gage is 5,450 ft (1,661 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1969	--	3.60	<sup>a</sup> 88
1974	--	2.09	30
1975	June 19, 1975	5.69	211
1976	May 12, 1976	4.65	147
1977	Apr. 9, 1977	2.78	52
1978	May 20, 1978	2.55	43
1979	May 29, 1979	2.35	36
1980	May 26, 1980	2.54	43

## 06019400 Sweetwater Creek near Alder, MT

Location.--Lat 45°04'39", long 112°13'32", Hydrologic Unit 10020003, in NW1/4 SW1/4 sec.4, T.9 S., R.5 W., Madison County, at bridge on county road, 0.6 mi (1.0 km) upstream from a small reservoir, 3.5 mi (5.6 km) upstream from Belmont Park Ranch, 6.0 mi (9.7 km) southwest of Ruby River bridge, 12.5 mi (20.1 km) southwest of Ruby Reservoir Dam, 18 mi (29 km) south of Alder.

Drainage area.--81.5 mi<sup>2</sup> (211 km<sup>2</sup>).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 9, 1974. Altitude of gage is 5,995 ft (1,827 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	2.05	80
1975	May 14, 1975	3.61	280
1976	Apr. 4, 1976	3.65	330
1977	Apr. 7, 1977	4.33	278
1978	Apr. 1, 1978	1.89	57
1979	May 5, 1979	3.64	115
1980	Apr. 20, 1980	2.18	51

## 06019800 Idaho Creek near Alder, MT

Location.--Lat 45°11'51", long 112°08'20", in center of sec.30, T.7 S., R.4 W., Madison County, Hydrologic Unit 10020003, at bridge on county road, 9 mi (14.5 km) south of Alder.

Drainage area.--11.0 mi<sup>2</sup> (28.5 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 7, 1959. Altitude of gage is 5,420 ft (1,650 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	Mar. 27, 1960	<sup>b</sup> 2.18	<sup>a</sup> 40
1961	Apr. 4, 1961	.87	13
1962	Apr. 25, 1962	2.30	90
1963	Mar. 22, 1963	1.36	24
1964	July 29, 1964	1.20	17
1965	Mar. 30, 1965	<sup>b</sup> 3.01	<sup>a</sup> 60
1966	June 10, 1966	.80	8
1967	June 15, 1967	1.34	9
1968	June 10, 1968	1.59	12
1969	Mar. 27, 1969	<sup>b</sup> 2.05	<sup>a</sup> 35
1970	June 10, 1970	1.27	15
1971	June 3, 1971	.11	12
1972	June 24, 1972	.57	15
1973	June 7, 1973	1.08	11
1974	May 27, 1974	.33	35
1975	July 22, 1975	2.37	60
1976	June 22, 1976	.22	15
1977	June 10, 1977	-.14	13
1978	Apr. 1, 1978	.62	27
1979	May 28, 1979	2.21	46 (revised)
1980	June 12, 1980	2.20	45

## 06025100 Quartz Hill Gulch near Wise River, MT

Location.--Lat 45°46'35", long 112°51'41", in NE1/4 SE1/4 sec.5, T.1 S., R.10 W., Beaverhead County, Hydrologic Unit 10020004, on left bank 210 ft (64 m) upstream from State Highway 43, 4.2 mi (6.8 km) east of Wise River, 0.3 mi (0.5 km) west of Dewey.

Drainage area.-- 14.3 mi<sup>2</sup> (37.0 km<sup>2</sup>).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 7, 1974. Altitude of gage is 5,600 ft (1,707 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	1.57	14
1975	Aug. 6, 1975	1.64	16
1976	Apr. 1, 1976	1.56	13
1977	--	--	(c)
1978	Apr. 1, 1978	1.38	8
1979	May 15, 1979	1.27	5
1980	Sept. 11, 1980	2.40	<sup>d</sup> 102

## 06027700 Fish Creek near Silver Star, MT

Location.--Lat 45°46'18", long 112°14'56", in NW1/4 sec.8, T.1 S., R.5 W., Silver Bow County, Hydrologic Unit 10020005, at bridge on county road, 6 mi (9.7 km) north of Silver Star.

Drainage area.--38.9 mi<sup>2</sup> (101 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 7, 1959. Altitude of gage is 4,790 ft (1,460 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1959	June 6, 1959	1.15	166
1960	May 13, 1960	.91	105
1961	Apr. 4, 1961	1.13	160
1962	June 3, 1962	.95	115
1963	June 11, 1963	1.16	141
1964	June 19, 1964	<sup>b</sup> 1.49	150
1965	June 16, 1965	1.74	220
1966	May 2, 1966	.67	54
1967	June 11, 1967	1.78	228
1968	June 15, 1968	1.22	132
1969	May 27, 1969	1.50	175
1970	May 30, 1970	1.00	100
1971	June 27, 1971	.91	85
1972	June 11, 1972	1.07	106
1973	June 17, 1973	.85	73
1974	May 31, 1974	1.10	110
1975	June 19, 1975	1.91	240
1976	Mar. 17, 1976	<sup>b</sup> 2.62	<sup>a</sup> 185
1977	June 10, 1977	1.17	105
1978	Mar. 31, 1978	1.97	250
1979	May 28, 1979	1.21	110
1980	May 25, 1980	1.05	96

## 06030300 Jefferson River tributary No. 2 near Whitehall, MT

Location.--Lat 45°52'48", long 111°58'28", in SE1/4 sec.33, T.2 N., R.3 W., Jefferson County, Hydrologic Unit 10020005, at culvert on State Highway 281, 6 mi (9.7 km) east of Whitehall.

Drainage area.--4.50 mi<sup>2</sup> (11.7 km<sup>2</sup>).

Records available.--October 1957 to current year.

Gage.--Crest-stage gage installed May 7, 1959. Altitude of gage is 4,400 ft (1,340 m), from topographic map.

## 06030300 Jefferson River tributary No. 2 near Whitehall, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1958	e June 24, 1958	4.45	169
1959	e Apr. 6, 1959	2.37	71
1960	--	--	(c)
1961	Sept. 11, 1961	1.32	34
1962	--	--	(c)
1963	Feb. 2, 1963	1.38	39
1964	June 8, 1964	.41	10
1965	Aug. 22, 1965	.30	8
1966	--	--	(c)
1967	July 18, 1967	.37	9
1968	Feb. 19, 1968	.37	9
1969	Mar. 18, 1969	.32	8
1970	July 11, 1970	.00	8
1971	Jan. 17, 1971	.10	5
1972	--	--	(c)
1973	--	--	(c)
1974	Aug. 20, 1974	.76	65
1975	July 31, 1975	2.03	132
1976	June 17, 1976	.74	65
1977	Sept. 16, 1977	-1.54	2
1978	Mar. 7, 1978	-1.01	10
1979	Mar. 7, 1979	<sup>b</sup> -1.11	<sup>a</sup> 1
1980	--	--	(c)

## 06031950 Cataract Creek near Basin, MT

Location.--Lat 46°17'10", long 112°14'33", in NW1/4 SW1/4 sec. 9, T. 6 N., R. 5 W., Jefferson County, Hydrologic Unit 10020006, on bridge on county road 200 ft (61.0 km) upstream from Big Limber Gulch, 2.1 mi (3.4 km) northeast of Basin.

Drainage area.--30.6 mi<sup>2</sup> (79.3 km<sup>2</sup>).

Records available.--May 1973 to current year.

Gage.--Crest-stage gage installed Mar. 29, 1974. Altitude of gage is 5,450 ft (1,661 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	e May 18, 1973	2.17	233
1974	May 20, 1974	2.42	300
1975	June 19, 1975	--	623
1976	May 17, 1976	2.80	320
1977	June 12, 1977	1.61	105
1978	May 22, 1978	2.83	370
1979	May 22, 1979	2.49	280
1980	May 7, 1980	2.06	180

## 06038550 Cabin Creek near West Yellowstone, MT

Location.--Lat 44°52'19", long 111°20'29", in NW1/4 SE1/4 sec.15, T.11 S., R.3 E., Gallatin County, Hydrologic Unit 10020007, at Forest Service Cabin Creek campground on U.S. Highway 287, 12.8 mi (20.6 km) west of Highway 191, 19 mi (31 km) northwest of West Yellowstone.

Drainage area.--30.3 mi<sup>2</sup> (78.5 km<sup>2</sup>).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 10, 1974. Datum of gage is 6,476.23 ft (1,973.96 m) above sea level.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.00	not determined
1975	June 19, 1975	2.26	375
1976	May 15, 1976	2.32	395
1977	June 13, 1977	2.00	200
1978	June 10, 1978	2.54	460
1979	May 27, 1979	2.34	385
1980	May 26, 1980	2.04	340

## 06043300 Logger Creek near Gallatin Gateway, MT

Location.--Lat 45°27'17", long 111°14'38", in SW1/4 sec.28, T.4 S., R.4 E., Gallatin County, Hydrologic Unit 10020008, at culvert on U.S. Highway 191, 10 mi (16.1 km) south of Gallatin Gateway.

Drainage area.--2.48 mi<sup>2</sup> (6.42 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 5, 1959. Altitude of gage is 5,340 ft (1,630 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1959	June 7, 1959	1.03	20
1960	May 12, 1960	.69	9
1961	May 26, 1961	.34	6
1962	June 13, 1962	.73	18
1963	May 27, 1963	.38	11
1964	June 8, 1964	1.09	25
1965	June 15, 1965	.66	18
1966	May 6, 1966	.08	5
1967	June 22, 1967	.50	16
1968	June 11, 1968	.93	24
1969	June 26, 1969	.66	17
1970	May 21, 1970	1.12	29
1971	June 27, 1971	.90	17
1972	June 2, 1972	.49	11
1973	May 20, 1973	.86	20
1974	June 16, 1974	1.24	30
1975	June 16, 1975	1.05	22
1976	May 25, 1976	.87	23
1977	June 13, 1977	.25	7
1978	June 10, 1978	.61	13
1979	June 13, 1979	.51	10
1980	June 20, 1980	.57	13

## 06046500 Rocky Creek near Bozeman, MT

Location.--Lat 45°39'17", long 110°56'33", in NE1/4 sec.23, T.2 S., R.6 E., Gallatin County, Hydrologic Unit 10020008, 5 mi (8.0 km) east of Bozeman.

Drainage area.--50.5 mi<sup>2</sup> (131 km<sup>2</sup>).

Records available.--November 1951 to September 1953 (continuous record), 1956-57 (miscellaneous measurements only), May 1959 to current year.

Gage.--Crest-stage gage installed Sept. 26, 1962. Altitude of gage is 4,980 ft (1,520 m), from topographic map. Records equivalent to those at recorder site 1.2 mi (1.9 km) upstream (at different datum) used prior to October 1966.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1952	Apr. 19, 1952	4.08	421
1953	June 3, 1953	4.65	608
1954	Apr. 1, 1959	3.9	337
1960	May 8, 1960	3.64	248
1961	May 2, 1961	3.03	90
1962	Apr. 16, 1962	3.42	285
1963	Apr. 27, 1963	4.11	400
1964	May 17, 1964	3.65	212
1965	May 15, 1965	3.83	345
1966	Mar. 31, 1966	<sup>b</sup> 3.34	<sup>a</sup> 250
1967	May 8, 1967	1.00	300
1968	May 22, 1968	1.54	415
1969	June 26, 1969	2.06	525
1970	May 21, 1970	2.54	810
1971	Apr. 24, 1971	3.11	1,230
1972	May 22, 1972	.74	240
1973	May 14, 1973	1.61	520
1974	May 30, 1974	.83	280
1975	May 17, 1975	1.77	680
1976	May 12, 1976	1.56	600
1977	Apr. 26, 1977	1.65	280
1978	Apr. 1, 1978	2.47	480
1979	May 6, 1979	2.47	400
1980	Apr. 26, 1980	3.06	820

## 06053050 Lost Creek near Ringling, MT

Location.--Lat 46°45'38", long 110°47'08", in SE1/4 SE1/4 sec.24, T.6 N., R.7 E., Meagher County, Hydrologic Unit 10030101, on bridge on U.S. Highway 89, 1 mi (1.6 km) southeast of Ringling.

Drainage area.--9.59 mi<sup>2</sup> (24.8 km<sup>2</sup>).

Records available.--January 1974 to current year.

Gage.--Crest-stage gage installed May 30, 1974. Altitude of gage is 5,340 ft (1,628 m), from topographic map.

## 06053050 Lost Creek near Ringling, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	<sup>e</sup> Jan. 16, 1974	3.46	297
1975	May 10, 1975	3.18	120
1976	Apr. 12, 1976	<sup>b</sup> 3.78	<sup>a</sup> 50
1977	Apr. 6, 1977	<sup>b</sup> 2.10	<sup>a</sup> 13
1978	Mar. 26, 1978	2.89	130
1979	June 19, 1979	3.03	70
1980	May 25, 1980	2.85	120

## 06056300 Cabin Creek near Townsend, MT

Location.--Lat 46°20'00", long 111°13'05", in NW1/4 sec.27, T.7 N., R.4 E., Broadwater County, Hydrologic Unit 10030101, 100 ft (30 m) upstream from mouth, 14.5 mi (23.3 km) east of Townsend.

Drainage area.--11.8 mi<sup>2</sup> (30.6 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 22, 1959. Altitude of gage is 4,900 ft (1,490 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	June 4, 1960	2.00	70
1961	June 22, 1961	.14	2
1962	May 22, 1962	.37	8
1963	June 21, 1963	.53	13
1964	May 19, 1964	1.37	38
1965	June 2, 1965	1.08	17
1966	May 5, 1966	1.05	14
1967	May 23, 1967	1.28	23
1968	May 26, 1968	1.06	22
1969	May 26, 1969	.93	10
1970	May 19, 1970	1.42	40
1971	May 4, 1971	1.31	19
1972	May 26, 1972	1.00	15
1973	May 25, 1973	.40	1
1974	May 30, 1974	.94	15
1975	May 17, 1975	1.66	50
1976	Aug. 23, 1976	.93	15
1977	June 2, 1977	.24	2
1978	May 10, 1978	1.39	52
1979	May 21, 1979	.90	17
1980	June 6, 1980	.86	14

## 06058700 Mitchell Gulch near East Helena, MT

Location.--Lat 46°34'20", long 111°49'21", in NW1/4 sec.2, T.9 N., R.2 W., Lewis and Clark County, Hydrologic Unit 10030101, at culvert on U.S. Highway 12, 4.7 mi (7.6 km) east of East Helena.

Drainage area.--8.09 mi<sup>2</sup> (21.0 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 14, 1959. Altitude of gage is 4,060 ft (1,240 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1959	<sup>e</sup> March 1959	0.96	53
1960	Mar. 19, 1960	.32	6
1961	June 29, 1961	.27	2
1962	Mar. 20, 1962	.43	12
1963	Feb. 4, 1963	1.41	107
1964	--	--	(c)
1965	Apr. 1, 1965	.62	28
1966	Mar. 10, 1966	.93	50
1967	Mar. 22, 1967	.94	52
1968	--	--	(c)
1969	Mar. 31, 1969	1.06	90
1970	July 12, 1970	-1.28	2
1971	Feb. 10, 1971	-1.07	4
1972	--	--	(c)
1973	Sept. 7, 1973	.51	139
1974	Jan. 15, 1974	-.24	53
1975	Apr. 20, 1975	.24	90
1976	Mar. 17, 1976	-1.19	2
1977	--	--	(c)
1978	Mar. 20, 1978	.46	82
1979	June 18, 1979	-.21	43
1980	Apr. 12, 1980	-.57	28

## 06071600 Wegner Creek at Craig, MT

Location.--Lat 47°04'35", long 111°57'17", in NW1/4 sec.11, T.15 N., R.3 W., Lewis and Clark County, Hydrologic Unit 10030102, at bridge on U.S. Highway 91, 0.9 mi (1.4 km) east of Craig.

Drainage area.--35.7 mi<sup>2</sup> (92.5 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 15, 1959. Altitude of gage is 3,450 ft (1,050 m), from topographic map.



## 06071600 Wegner Creek at Craig, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	June 2, 1960	0.59	46
1961	July 6, 1961	2.54	408
1962	Apr. 19, 1962	.33	24
1963	Feb. 3, 1963	.67	48
1964	May 6, 1964	1.84	280
1965	Mar. 31, 1965	1.11	125
1966	July 1, 1966	4.64	1,020
1967	June 12, 1967	1.06	160
1968	June 10, 1968	.36	84
1969	July 7, 1969	.70	110
1970	June 13, 1970	1.05	220
1971	Feb. 13, 1971	-.54	30
1972	Mar. 13, 1972	-.13	38
1973	Apr. 27, 1973	-.09	78
1974	May 20, 1974	.16	104
1975	May 7, 1975	3.15	640
1976	May 4, 1976	1.07	230
1977	Apr. 8, 1977	2.03	16
1978	May 18, 1978	.75	120
1979	Apr. 17, 1979	.53	78
1980	May 25, 1980	1.89	270

## 06073600 Black Rock Creek near Augusta, MT

Location.--Lat 47°17'28", long 112°09'46", in NE1/4 NW1/4 sec.30, T.18 N., R.4 W., Lewis and Clark County, Hydrologic Unit 10030102, at culvert 0.1 mi (0.2 km) north of Bowmans Corner on U.S. Highway 287, 17.5 mi (28.2 km) southeast of Augusta.

Drainage area.--5.54 mi<sup>2</sup> (14.3 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 29, 1974. Altitude of gage is 4,165 ft (1,270 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	6.36	327
1975	May 7, 1975	7.46	428
1976	May 4, 1976	4.17	120
1977	June 14, 1977	6.03	290
1978	Mar. 17, 1978	6.90	380
1979	Mar. 7, 1979	b7.04	a100
1980	May 30, 1980	4.99	190

## 06076700 Sheep Creek near Neihart, MT

Location.--Lat 46°47'59", long 110°42'10", in SE1/4 sec.15, T.12 N., R.8 E., Meagher County, Hydrologic Unit 10030103, at culvert on U.S. Highway 89, 10 mi (16.1 km) south of Neihart.

Drainage area.--5.23 mi<sup>2</sup> (13.5 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 22, 1959. Altitude of gage is 6,600 ft (2,010 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	May 12, 1960	1.12	38
1961	May 27, 1961	1.11	37
1962	May 21, 1962	1.37	49
1963	June 2, 1963	1.08	39
1964	June 8, 1964	2.12	113
1965	June 16, 1965	2.40	138
1966	May 10, 1966	1.27	50
1967	May 31, 1967	2.07	110
1968	May 25, 1968	1.68	78
1969	May 17, 1969	.88	28
1970	June 12, 1970	2.30	132
1971	June 3, 1971	1.32	51
1972	June 6, 1972	1.66	80
1973	June 14, 1973	.59	17
1974	June 20, 1974	1.65	82
1975	June 11, 1975	1.74	98
1976	May 14, 1976	1.22	58
1977	May 27, 1977	1.01	34
1978	May 17, 1978	1.55	70
1979	June 19, 1979	1.76	70
1980	May 3, 1980	1.62	75

## 06077300 Trout Creek near Eden, MT

Location.--Lat 47°07'10", long 111°22'19", in NE1/4 SE1/4 sec.29, T.15 N., R.3 E., Cascade County, Hydrologic Unit 10030103, at bridge on county road, at old town site of Millegan, 16.2 mi (26 km) south of Secondary Highway 330, 18.0 mi (29 km) south of Eden.

Drainage area.--13.2 mi<sup>2</sup> (34.2 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 27, 1974. Altitude of gage is 4,515 ft (1,376 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	2.05	45
1975	June 30, 1975	4.70	430
1976	May 3, 1976	2.08	40
1977	Apr. 8, 1977	<sup>b</sup> 2.77	<sup>a</sup> 8
1978	May 8, 1978	<sup>b</sup> 3.44	<sup>a</sup> 54
1979	Apr. 16, 1979	<sup>b</sup> 2.66	<sup>a</sup> 32
1980	June 6, 1980	2.67	38

## 06077800 Goodman Coulee near Eden, MT

Location.--Lat 47°19'29", long 111°25'35", in center of sec.12, T.18 N., R.2 E., Cascade County, Hydrologic Unit 10030103, at culvert on county road, 8 mi (12.9 km) northwest of Eden.

Drainage area.--22.1 mi<sup>2</sup> (57.2 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 25, 1959. Altitude of gage is 3,370 ft (1,030 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1959	Apr. 22, 1959	1.57	49
1960	May 1, 1960	1.92	41
1961	--	--	(c)
1962	Mar. 19, 1962	4.17	127
1963	Feb. 4, 1963	2.30	55
1964	May 3, 1964	5.73	150
1965	July 30, 1965	3.80	117
1966	Mar. 8, 1966	6.73	437
1967	June 15, 1967	4.33	<sup>a</sup> 100
1968	May 25, 1968	2.51	22
1969	June 25, 1969	6.72	435
1970	May 11, 1970	4.91	140
1971	Sept. 1, 1971	4.33	100
1972	May 26, 1972	3.57	57
1973	Apr. 28, 1973	2.77	28
1974	May 22, 1974	4.45	105
1975	May 7, 1975	7.43	1,340
1976	Apr. 30, 1976	<sup>b</sup> 5.23	<sup>a</sup> 100
1977	Apr. 7, 1977	3.17	14
1978	Mar. 19, 1978	<sup>b</sup> 6.58	<sup>a</sup> 150
1979	Mar. 17, 1979	<sup>b</sup> 5.95	<sup>a</sup> 85
1980	May 25, 1980	<sup>b</sup> 6.07	<sup>a</sup> 89

## 06090550 Little Otter Creek near Raynesford, MT

Location.-- Lat 47°15'05", long 110°43'50", in SW1/4 NW1/4 sec.8, T.17 N., R.8 E., Judith Basin County, Hydrologic Unit 10030105, at culvert on Secondary Highway 427, 1.1 mi (1.8 km) south of Highway 200, 1 mi (1.6 km) south of Raynesford.

Drainage area.--39.5 mi<sup>2</sup> (108 km<sup>2</sup>).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 23, 1974. Altitude of gage is 4,180 ft (1,274 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.39	56
1975	May 8, 1975	8.90	245
1976	June 22, 1976	3.04	20
1977	Apr. 27, 1977	(f)	7
1978	Mar. 20, 1978	5.05	96
1979	June 19, 1979	3.20	25
1980	Mar. 9, 1980	4.84	86

## 06090810 Ninemile Coulee near Fort Benton, MT

Location.--Lat 47°42'01", long 110°42'12", in SE1/4 SE1/4 sec.34, T.23 N., R.8 E., Chouteau County, Hydrologic Unit 10030102, at culverts on county road, 8.4 mi (13.5 km) south of Missouri River bridge at Fort Benton, 8.5 mi (13.7 km) south of Fort Benton.

Drainage area.--16.9 mi<sup>2</sup> (49.5 km<sup>2</sup>).

Records available.--1972, 1973, August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 27, 1974. Altitude of gage is 3,230 ft (985 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	<sup>e</sup> Mar. 6, 1972	3.34	60
1973	<sup>e</sup> Apr. 27, 1973	2.62	34
1974	--	--	unknown
1975	May 7, 1975	9.24	1,570
1976	Apr. 30, 1976	2.90	43
1977	Sept. 30, 1977	1.74	4
1978	Mar. 21, 1978	5.04	126
1979	Mar. 7, 1979	9.58	2,110
1980	May 25, 1980	7.52	320

## 06097100 Blacktail Creek near Heart Butte, MT

Location.--Lat 48°14'56", long 112°47'19", in NW1/4 NW1/4 sec.28, T.29 N., R.9 W., Pondera County, Hydrologic Unit 10030201, at bridge on county road, 3.3 mi (5.3 km) southeast of Heart Butte, 16.7 mi (26.9 km) northwest of Dupuyer.

Drainage area.--16.4 mi<sup>2</sup> (42.5 km<sup>2</sup>).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 29, 1974. Altitude of gage is 4,470 ft (1,362 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1975	June 19, 1975	5.93	1,390
1976	May 14, 1976	1.77	100
1977	--	--	(c)
1978	July 7, 1978	5.20	1,000
1979	Apr. 10, 1979	2.40	178
1980	May 25, 1980	2.88	255

## 06098700 Powell Coulee near Browning, MT

Location.--Lat 48°45'01", long 112°45'21", in SE1/4 NE1/4 sec.34, T.35 N., R.9 W., Glacier County, Hydrologic Unit 10030202, at culvert on Secondary Highway 444, 10.5 mi (16.9 km) north of U.S. Highway 2, 18 mi (29 km) northeast of Browning.

Drainage area.--12.7 mi<sup>2</sup> (32.9 km<sup>2</sup>).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 30, 1974. Altitude of gage is 4,145 ft (1,263 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	1.22	6
1975	June 19, 1975	4.96	136
1976	Mar. 18, 1976	b2.55	a30
1977	June 16, 1977	2.25	28
1978	Mar. 18, 1978	b11.06	340
1979	Apr. 10, 1979	3.37	64
1980	May 26, 1980	2.81	not determined

## 06100300 Lone Man Coulee near Valier, MT

Location.-- Lat 48°14'10", long 112°13'49", in SE1/4 sec.27, T.29 N., R.5 W., Pondera County, Hydrologic Unit 10030203, at culvert on county road, 5 mi (8.0 km) south of Valier.

Drainage area.--14.1 mi<sup>2</sup> (36.5 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 27, 1959. Altitude of gage is 3,780 ft (1,150 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	May 1, 1960	0.58	32
1961	May 17, 1961	.36	22
1961	Jan. 29, 1962	b 2.87	a 15
1963	Aug. 19, 1963	.49	27
1964	June 8, 1964	2.38	1,740
1965	Feb. 17, 1965	1.38	400
1966	Mar. 9, 1966	--	140
1967	June 10, 1967	.91	135
1968	Jan. 23, 1968	--	39
1969	Mar. 20, 1969	4.98	250
1970	July 13, 1970	3.04	46
1971	Feb. 14, 1971	b 5.44	a 200
1972	Mar. 13, 1972	7.62	830
1973	Apr. 25, 1973	.35	10
1974	Mar. 28, 1974	(f)	5
1975	June 30, 1975	6.02	5,440
1976	Aug. 5, 1976	7.65	115
1977	Apr. 5, 1977	(f)	1
1978	Mar. 19, 1978	7.96	500
1979	Mar. 6, 1979	b 7.54	a 240
1980	May 25, 1980	5.55	100

## 06101520 Favot Coulee tributary near Ledger, MT

Location.--Lat 48°15'47", long 111°42'09", in SE1/4 SW1/4 sec.14, T.29 N., R.1 W., Pondera County, Hydrologic Unit 10030203, at culvert on Highway 366, 0.3 (mi) (0.5 km) east of Higgins School, 5.5 mi (8.9 km) east of Ledger.

Drainage area.--0.86 mi<sup>2</sup> (2.23 km<sup>2</sup>).

Records available.--January 1974 to current year.

Gage.--Crest-stage gage installed Aug. 28, 1974. Altitude of gage is 3,530 ft (1,076 m), from topographic map.

## 06101520 Favot Coulee tributary near Ledger, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	<sup>e</sup> Jan. 17, 1974	2.75	39
1975	Apr. 21, 1975	4.72	74
1976	Aug. 5, 1976	1.11	7
1977	--	--	(c)
1978	Mar. 29, 1978	3.50	54
1979	Mar. 10, 1979	1.96	21
1980	June 13, 1980	2.10	24

## 06101700 Fey Coulee tributary near Chester, MT

Location.--Lat 48°27'31", long 111°04'47", near center of east line of sec.9, T.31 N., R.5 E., Liberty County, Hydrologic Unit 10030203, at culvert on county road, 3.5 mi (5.6 km) south of Tiber Siding on Great Northern Railway and U.S. Highway 2, 6.5 mi (10.5 km) southwest of Chester

Drainage area.--2.47 mi<sup>2</sup> (6.40 km<sup>2</sup>).

Records available.--April 1963 to current year.

Gage. Crest-stage gage installed Apr. 17, 1963. Altitude of gage is 3,100 ft (945 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	June 28, 1963	4.08	79
1964	June 8, 1964	.98	a10
1965	Apr. 10, 1965	3.34	67
1966	July 3, 1966	1.61	21
1967	Mar. 22, 1967	5.01	96
1968	--	--	(c)
1969	June 26, 1969	2.40	40
1970	July 13, 1970	2.32	38
1971	Feb. 25, 1971	1.80	25
1972	Mar. 18, 1972	2.11	32
1973	Feb. 24, 1973	.51	3
1974	Aug. 11, 1974	6.20	675
1975	Apr. 20, 1975	3.05	58
1976	Mar. 17, 1976	.69	6
1977	July 13, 1977	.33	1
1978	Mar. 31, 1978	5.26	97
1979	Mar. 13, 1979	2.27	35
1980	May 25, 1980	3.43	64

## 06105800 Bruce Coulee tributary near Choteau, MT

Location.--Lat 47°44'07", long 112°15'05", near center of sec.21, T.23 N., R.5 W., Teton County, Hydrologic Unit 10030205, at bridge on county road, 1.2 mi (1.9 km) west of State Highway 287, 6 mi (9.7 km) southwest of Choteau.

Drainage area.--1.70 mi<sup>2</sup> (4.40 km<sup>2</sup>).

Records available.--April 1963 to current year.

Gage.--Crest-stage gage installed Apr. 16, 1963. Altitude of gage is 3,940 ft (1,200 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	June 28, 1963	0.65	<sup>a</sup> 18
1964	June 8, 1964	1.76	148
1965	June 16, 1965	1.90	140
1966	July 2, 1966	3.50	247
1967	June 10, 1967	2.44	155
1968	Sept. 21, 1968	.54	15
1969	Mar. 26, 1969	.92	40
1970	July 13, 1970	1.84	105
1971	Feb. 13, 1971	.83	30
1972	June 9, 1972	5.06	390
1973	Apr. 25, 1973	.49	12
1974	Aug. 13, 1974	1.08	50
1975	June 19, 1975	2.00	120
1976	May 4, 1976	.93	37
1977	Apr. 5, 1977	1.15	52
1978	July 2, 1978	2.37	142
1979	June 18, 1979	1.34	65
1980	May 25, 1980	2.06	118

## 06109530 Little Sandy Creek tributary near Virgelle, MT

Location.--Lat 48°05'15", long 109°56'34", in NW1/4 NW1/4 sec.21, T.27 N., R.14 E., Chouteau County, Hydrologic Unit 10040101, at culvert on county road 11 mi (18 km) east of Highway 236, 10 mi (16 km) southeast of Big Sandy.

Drainage area.-- 0.80 mi<sup>2</sup> (2.07 km<sup>2</sup>).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed July 15, 1974. Altitude of gage is 3,340 ft (1,018 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	4.10	47
1974	<sup>e</sup> May 13, 1974	1.35	7
1975	May 6, 1975	1.01	5
1976	Mar. 18, 1975	1.53	9
1977	--	--	(c)
1978	Mar. 29, 1978	1.65	4
1979	July 22, 1979	1.45	3
1980	June 27, 1980	1.39	3



## 06109560 Alkali Coulee tributary near Virgelle, MT

Location.--Lat 48°03'19", long 110°05'21", in SW1/4 NW1/4 sec.32, T.27 N., R.13 E., Chouteau County, Hydrologic Unit 10040101, on bridge on county road, 2.1 mi (3.4 km) south of Highway 236, and 9.1 mi (14.6 km) south-east of Big Sandy.

Drainage area.--0.96 mi<sup>2</sup> (2.49 km<sup>2</sup>).

Records available.--May 1974 to current year.

Gage.--Crest-stage gage installed July 15, 1974. Altitude of gage is 2,785 ft (849 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	May 13, 1974	1.24	11
1975	May 7, 1975	1.76	30
1976	Mar. 18, 1976	2.03	112
1977	Sept. 30, 1977	1.17	2
1978	Mar. 28, 1978	2.07	11
1979	Mar. 13, 1979	<sup>b</sup> 2.85	<sup>g</sup> 3
1980	Mar. 14, 1980	1.37	3

## 06111700 Mill Creek near Lewistown, MT

Location.--Lat 46°59'44", long 109°26'49", in NE1/4 sec.9, T.14 N., R.18 E., Fergus County, Hydrologic Unit 10040103, at culverts on county road, 5 mi (8.0 km) south of Lewistown.

Drainage area.--3.14 mi<sup>2</sup> (9.14 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 21, 1959. Altitude of gage is 4,200 ft (1,280 m), from topographic map.

## 06111700 Mill Creek near Lewistown, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	Mar. 18, 1960	0.94	10
1961	--	--	(c)
1962	May 21, 1962	3.24	40
1963	May 12, 1963	.54	5
1964	May 3, 1964	3.67	44
1965	June 17, 1965	5.00	66
1966	Mar. 12, 1966	b 1.71	a 1
1967	June 14, 1967	2.44	29
1968	June 9, 1968	1.13	12
1969	Apr. 1, 1969	1.36	15
1970	May 18, 1970	1.90	22
1971	Mar. 30, 1971	2.31	28
1972	Mar. 18, 1972	.48	5
1973	June 3, 1973	.45	5
1974	May 13, 1974	.91	10
1975	May 6, 1975	7.25	87
1976	May 5, 1976	.73	9
1977	Apr. 8, 1977	.08	3
1978	July 4, 1978	4.49	57
1979	Mar. 15, 1979	b 2.04	a 20
1980	Mar. 31, 1980	.13	4

## 06112800 Bull Creek tributary near Hilger, MT

Location.--Lat 47°15'10", long 109°21'51", in NW1/4 NE1/4 sec.12, T.17 N., R.18 E., Fergus County, Hydrologic Unit 10040103, at culvert on county road, 0.4 mi (0.6 km) west of Hilger.

Drainage area.--0.99 mi<sup>2</sup> (2.56 km<sup>2</sup>).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 25, 1974. Altitude of gage is 4,050 ft (1,234 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	2.46	17
1975	May 21, 1975	4.29	64
1976	Feb. 2, 1976	2.21	14
1977	May 15, 1977	3.02	23
1978	July 4, 1978	4.66	78
1979	Mar. 15, 1979	b 4.31	a 30
1980	Mar. 31, 1980	b 2.01	a 4

## 06114550 Wolf Creek tributary near Coffee Creek, MT

Location.--Lat 47°17'56", long 110°07'57", in NE1/4 NE1/4 sec.25, T.18 N., R.12 E., Judith Basin County, Hydrologic Unit 10040103, at culverts on county road, 1.8 mi (2.9 km) east of Highway 230, 4 mi (6.4 km) southwest of Coffee Creek.

Drainage area.--1.73 mi<sup>2</sup> (4.48 km<sup>2</sup>).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 24, 1974. Altitude of gage is 3,875 ft (1,181 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	Aug. 20, 1974	4.90	201
1975	Apr. 16, 1975	5.42	660
1976	Aug. 22, 1976	2.12	6
1977	Apr. 8, 1977	<sup>b</sup> 2.75	<sup>a</sup> 10
1978	July 4, 1978	5.55	780
1979	Mar. 6, 1979	5.78	<sup>a</sup> 140
1980	May 25, 1980	2.14	6

## 06114900 Taffy Creek tributary near Winifred, MT

Location.-- Lat 47°39'06", long 109°15'33", in SW1/4 NW1/4 sec.26, T.22 N., R.19 E., Fergus County, Hydrologic Unit 10040101, at culvert on county road, 8.5 mi (13.7 km) northeast of Winifred.

Drainage area.--2.47 mi<sup>2</sup> (6.40 km<sup>2</sup>).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 25, 1974. Altitude of gage is 3,170 ft (966 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	<sup>e</sup> July 7, 1974	5.80	153
1975	June 19, 1975	5.89	161
1976	June 22, 1976	3.20	56
1977	June 21, 1977	1.73	18
1978	May 18, 1978	5.94	134
1979	Mar. 15, 1979	3.21	<sup>a</sup> 40
1980	May 25, 1980	1.65	11

## 06115300 Duval Creek near Landusky, MT

Location.--Lat 47°45'17", long 108°42'23", Hydrologic Unit 10040104, in center of sec.13, T.23 N., R.23 E., Phillips County, at culvert on U.S. Highway 191, 10.0 road mi (16.1 km) north of the Fred Robinson Bridge over the Missouri River, 11 mi (17.7 km) southwest of Landusky.

Drainage area.--3.31 mi<sup>2</sup> (8.57 km<sup>2</sup>).

Records available.--May 1963 to current year.

Gage.--Crest-stage gage installed May 14, 1963. Altitude of gage is 2,900 ft (884 m), from topographic map.

Annual maximum data.--

<u>Water year</u>		<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	<sup>e</sup> May	11, 1963	2.13	46
1964	Aug.	20, 1964	4.23	145
1965	May	7, 1965	6.30	280
1966	Apr.	26, 1966	2.14	47
1967	Mar.	23, 1967	3.80	73
1968	Feb.	28, 1968	2.09	19
1969	Apr.	26, 1969	3.06	46
1970	Apr.	28, 1970	2.84	40
1971	Mar.	16, 1971	2.79	17
1972	June	9, 1972	7.45	340
1973	June	15, 1973	1.79	12
1974	Aug.	8, 1974	6.27	235
1975	May	6, 1975	4.67	168
1976	June	22, 1976	10.46	470
1977	Apr.	5, 1977	.95	1
1978	July	4, 1978	3.89	80
1979	Apr.	23, 1979	2.18	20
1980	May	25, 1980	1.86	14

## 06117800 Dirty Creek near Martinsdale, MT

Location.--Lat 46°33'00", long 110°18'52", Hydrologic Unit 10040201, in SW1/4 SW1/4 sec.11, T.9 N., R.11 E., Meagher County, at culvert on county road, 4.3 mi (6.9 km) north of U.S. Highway 12, 4.9 mi (7.9 km) north of junction of U.S. Highway 12 and turnoff to Martinsdale, 6.5 mi (10.5 km) north of Martinsdale.

Drainage area.--2.86 mi<sup>2</sup> (7.30 km<sup>2</sup>).

Records available.--1972, January 1974 to current year.

Gage.--Crest-stage gage installed Aug. 5, 1974. Altitude of gage is 5,050 ft (1,539 m), from topographic map.

Annual maximum data.--

<u>Water year</u>		<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972		--	5.77	252
1974	<sup>e</sup> Jan.	16, 1974	--	2
1975	Apr.	12, 1975	5.51	120
1976	Apr.	30, 1976	2.75	7
1977		--	--	(c)
1978	Mar.	29, 1978	5.69	195
1979	June	19, 1979	5.75	240
1980	May	25, 1980	4.08	17

## 06120800 Antelope Creek tributary No. 2 near Harlowton, MT

Location.--Lat 46°27'47", long 109°49'29", in SE1/4 sec.10, T.8 N., R.15 E., Wheatland County, Hydrologic Unit 10040201, at E. S. Bacon ranch, 1.5 mi (2.4 km) north of Harlowton.

Drainage area.--21.2 mi<sup>2</sup> (54.9 km<sup>2</sup>).

Records available.--July 1955 to current year.

Gage.--Crest-stage gage installed July 13, 1955. Altitude of gage is 4,250 ft (1,300 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1956	June 15, 1956	3.51	820
1957	June 21, 1957	1.95	190
1958	June 1958	.36	35
1959	Mar. 20, 1959	.57	80
1960	--	(f)	a 25
1961	--	(f)	a 25
1962	June 16, 1962	5.56	3,230
1963	Feb. 4, 1963	.61	a 20
1964	June 8, 1964	1.41	a 130
1965	June 12, 1965	3.79	922
1966	--	(f)	a 50
1967	June 13, 1967	1.32	125
1968	June 7, 1968	1.04	95
1969	Mar. 31, 1969	.77	65
1970	May 7, 1970	(f)	a 20
1971	May 10, 1971	(f)	5
1972	May 10, 1972	(f)	a 2
1973	June 2, 1973	.72	63
1974	Aug. 20, 1974	1.17	90
1975	Aug. 19, 1975	2.61	345
1976	June 22, 1976	b 6.50	5,390
1977	July 21, 1977	-1.35	3
1978	Mar. 21, 1978	2.87	427
1979	June 19, 1979	2.21	210
1980	June 15, 1980	4.01	1,100

## 06123200 Spring Creek tributary near Harlowton, MT

Location.-- Lat 46°11'35", long 109°54'10", in NW1/4 NW1/4 sec.18, T.5 N., R.15 E., Sweet Grass County, Hydrologic Unit 10040201, at culverts on U.S. Highway 191, 17 mi (27 km) south of Harlowton.

Drainage area.--2.10 mi<sup>2</sup> (5.44 km<sup>2</sup>).

Records available.--1971, October 1973 to current year.

Gage.--Crest-stage installed Oct. 29, 1973. Altitude of gage is 4,900 ft (1,490 m), from topographic map.

## 06123200 Spring Creek tributary near Harlowton, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1971	--	5.69	204
1973	--	--	(c)
1974	Aug. 20, 1974	1.21	2
1975	Apr. 20, 1975	2.46	32
1976	June 22, 1976	1.19	2
1977	--	--	(c)
1978	July 4, 1978	1.70	11
1979	June 17, 1979	1.53	8
1980	June 15, 1980	1.35	6

## 06124600 East Fork Roberts Creek tributary near Judith Gap, MT

Location.--Lat 46°40'51", long 109°40'24", in SE1/4 SW1/4 sec.26, T.11 N., R.16 E., Wheatland County, Hydrologic Unit 10040201, at culvert on Secondary Highway 248, 3.5 mi (5.6 km) east of Judith Gap.

Drainage area.--0.74 mi<sup>2</sup> (1.92 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 5, 1974. Altitude of gage is 4,725 ft (1,440 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	Apr. 30, 1974	3.89	82
1975	May 6, 1975	2.49	26
1976	Apr. 20, 1976	3.61	70
1977	Apr. 9, 1977	2.89	10
1978	Mar. 30, 1978	3.59	69
1979	June 19, 1979	3.14	48
1980	June 15, 1980	2.00	12

## 06125520 Swimming Woman Creek tributary near Living Springs, MT

Location.--Lat 46°36'24", long 109°21'33", in SW1/4 SW1/4 sec.20, T.10 N., R.19 E., Golden Valley County, Hydrologic Unit 10040201, at culvert on county road, 2.3 mi (3.7 km) east of county line, 12.5 mi (20.1 km) northeast of Hedgesville, 19.5 mi (31.4 km) east of Judith Gap.

Drainage area.--1.73 mi<sup>2</sup> (4.48 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 5, 1974. Altitude of gage is 4,900 ft (1,494 m), from topographic map.

## 06125520 Swimming Woman Creek tributary near Living Springs, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.19	47
1975	--	--	(c)
1976	Mar. 17, 1976	1.89	2
1977	--	--	(c)
1978	--	--	(c)
1979	June 18, 1979	2.22	<sup>a</sup> 6
1980	June 15, 1980	(f)	1

## 06125680 Big Coulee Creek tributary near Cushman, MT

Location.--Lat 46°14'50", long 109°01'58", in SE1/4 SE1/4 sec.24, T.6 N., R.21 E., Golden Valley County, Hydrologic Unit 10040201, at culvert on county road, 3.0 mi (4.8 km) south of Cushman, 5.5 mi (8.8 km) southwest of Lavina.

Drainage area.--1.23 mi<sup>2</sup> (3.19 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 6, 1974. Altitude of gage is 3,575 ft (1,090 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.90	54
1975	May 10, 1975	1.86	11
1976	Apr. 29, 1976	(f)	1
1977	June 12, 1977	3.44	29
1978	Mar. 27, 1978	2.54	16
1979	Mar. 11, 1979	--	<sup>a</sup> 10
1980	June 15, 1980	(f)	<sup>a</sup> 2

## 06127505 Fish Creek near Musselshell, MT

Location.--Lat 46°27'25", long 108°06'36", in NW1/4 SW1/4 sec.9, T.8 N., R.29 E., Musselshell County, Hydrologic Unit 10040202, at culvert on county road, 2.5 mi (4.0 km) southwest of Hawk Creek road, 4.5 mi (7.2 km) southwest of Musselshell.

Drainage area.--17.8 mi<sup>2</sup> (46.1 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 7, 1974. Altitude of gage is 3,150 ft (960 m), from topographic map.

## 06127505 Fish Creek near Musselshell, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	5.80	86
1975	Mar. 3, 1975	2.13	16
1976	June 22, 1976	2.53	21
1977	--	--	(c)
1978	Mar. 21, 1978	3.27	32
1979	--	--	(c)
1980	June 15, 1980	(f)	.5

## 06127520 Home Creek near Sumatra, MT

Location.--Lat 46°38'14", long 107°37'12", in SE1/4 NW1/4 sec.7, T.10 N., R.33 E., Rosebud County, Hydrologic Unit 10040202, 100 ft (305 m) upstream from U.S. Highway 12, 3.7 mi (6.0 km) northwest of Sumatra.

Drainage area.--1.98 mi<sup>2</sup> (5.13 km<sup>2</sup>).

Records available.--September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 7, 1973. Altitude of gage is 3,080 ft (939 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	2.51	105
1974	May 14, 1974	1.20	1
1975	May 6, 1975	2.85	140
1976	Jan. 17, 1976	1.46	25
1977	May 17, 1977	1.37	22
1978	Mar. 26, 1978	2.71	126
1979	Mar. 16, 1979	b 4.34	31
1980	May 25, 1980	2.05	70

## 06127570 Butts Coulee near Melstone, MT

Location.--Lat 46°38'49", long 107°49'15", in center of E1/2 sec.9, T.10 N., R.31 E., Musselshell County, Hydrologic Unit 10040202, at culvert on county road, 2.8 mi (4.5 km) north of U.S. Highway 12, 4. mi (6.4 km) northeast of Melstone.

Drainage area.--6.71 mi<sup>2</sup> (15.4 km<sup>2</sup>).

Records available.--May 1963 to current year. Prior to 1966, published as Musselshell River tributary No. 2 near Melstone.

Gage.--Crest-stage gage installed May 16, 1963. Altitude of gage is 2,810 ft (856 m), from topographic map.



## 06127570 Butts Coulee near Melstone, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	<sup>e</sup> May 11, 1963	2.67	64
1964	Aug. 20, 1964	3.53	100
1965	June 15, 1965	3.9	114
1966	Mar. 8, 1966	1.21	20
1967	June 18, 1967	2.60	62
1968	June 9, 1968	8.44	310
1969	July 7, 1969	11.40	488
1970	June 14, 1970	5.82	170
1971	Feb. 13, 1971	3.43	95
1972	June 9, 1972	6.94	215
1973	Apr. 20, 1973	1.68	32
1974	May 20, 1974	1.21	20
1975	May 6, 1975	8.66	300
1976	June 22, 1976	6.00	180
1977	May 17, 1977	1.65	32
1978	Mar. 27, 1978	5.49	165
1979	Mar. 12, 1979	5.16	150
1980	May 30, 1980	(f)	a 1

## 06127585 Little Wall Creek tributary near Flatwillow, MT

Location.--Lat 46°45'36", long 108°36'24", in SE1/4 NW1/4 sec.32, T.12 N., R.25 E., Petroleum County, Hydrologic Unit 10040202, at culvert on U.S. Highway 87, 1.7 mi (2.7 km) north of Junction with Highway 244, 20.5 mi (33.0 km) southeast of Grass Range.

Drainage area.--3.95 mi<sup>2</sup> (10.2 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 7, 1974. Altitude of gage is 3,675 ft (1,120 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	3.77	32
1975	June 20, 1975	4.21	35
1976	Apr. 17, 1976	1.58	2
1977	Feb. 21, 1977	1.65	4
1978	Mar. 29, 1978	2.23	15
1979	Apr. 6, 1979	3.70	30
1980	Apr. 11, 1980	1.41	1

## 06128500 South Fork Bear Creek tributary near Roy, MT

Location.--Lat 47°13'44", long 108°47'54", in SW1/4 sec.16, T.17 N., R.23 E., Fergus County, Hydrologic Unit 10040204, at culvert on State Highway 19, 8.7 road mi (14.0 km) south of U.S. Highway 191, 1.7 mi (2.7 km) north of South Fork Bear Creek, 10.5 mi (16.9 km) southeast of Roy, and 14 mi (22.5 km) north of Grass Range.

Drainage area.--5.40 mi<sup>2</sup> (14.0 km<sup>2</sup>).

Records available.--June 1962 to current year.

Gage.--Crest-stage gage installed May 14, 1963. Altitude of gage is 3,300 ft (1,010 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	<sup>e</sup> June 15, 1962	1.90	28
1963	June 25, 1963	.42	1
1964	July 5, 1964	2.88	63
1965	April 1965	2.78	59
1966	July 3, 1966	2.65	53
1967	May 1967	1.33	15
1968	June 9, 1968	3.31	82
1969	Mar. 19, 1969	5.40	185
1970	May 2, 1970	3.00	68
1971	Feb. 13, 1971	4.66	148
1972	July 19, 1972	1.19	12
1973	Apr. 20, 1973	3.64	98
1974	July 7, 1974	4.15	122
1975	May 6, 1975	3.91	111
1976	June 22, 1976	1.37	16
1977	June 21, 1977	4.35	132
1978	Mar. 21, 1978	4.07	118
1979	Mar. 12, 1979	<sup>b</sup> 3.62	<sup>a</sup> 35
1980	June 6, 1980	1.25	1

## 06129800 Gorman Coulee tributary near Cat Creek, MT

Location.--Lat 47°00'45", long 108°05'33", in SE1/4 SW1/4 sec.31, T.15 N., R.29 E., Petroleum County, Hydrologic Unit 10040204, at culvert on State Highway 20, 6 mi (9.7 km) southwest of Cat Creek.

Drainage area.--0.81 mi<sup>2</sup> (2.10 km<sup>2</sup>).

Records available.--May 1955 to current year.

Gage.--Crest-stage gage installed May 27, 1955. Altitude of gage is 2,760 ft (841 m), from topographic map.

## 06129800 Gorman Coulee tributary near Cat Creek, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1955	Aug. 23, 1955	3.02	159
1956	June 18, 1956	.96	32
1957	Aug. 30, 1957	1.24	44
1958	July 31, 1958	2.52	122
1959	Sept. 22, 1959	.28	10
1960	Mar. 18, 1960	.37	12
1961	Aug. 10, 1961	.50	15
1962	May 16, 1962	.55	17
1963	--	--	a 5
1964	Aug. 20, 1964	1.85	78
1965	July 10, 1965	2.74	133
1966	Mar. 9, 1966	b .52	a 5
1967	June 7, 1967	4.14	230
1968	June 9, 1968	.94	31
1969	July 6, 1969	5.12	315
1970	June 13, 1970	.60	20
1971	June 27, 1971	2.52	115
1972	June 9, 1972	5.80	380
1973	Sept. 1, 1973	.20	10
1974	Jan. 17, 1974	.34	15
1975	July 1, 1975	.48	18
1976	Feb. 18, 1976	b .47	a 10
1977	July 26, 1977	4.35	250
1978	Mar. 29, 1978	2.10	85
1979	Mar. 14, 1979	b 2.04	a 25
1980	June 13, 1980	3.53	180

## 06130610 Bair Coulee near Mosby, MT

Location.--Lat 47°03'15", long 107°36'43", in NE1/4 NE1/4 sec.23, T.15 N.,

R.32 E., Garfield County, Hydrologic Unit 10040205, at bridge on U.S.

Highway 200, 6.8 mi (10.9 km) southwest of Sand Springs.

Drainage area.--1.79 mi<sup>2</sup> (4.64 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 13, 1974. Altitude of gage is 2,980 ft (908 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.60	420 (revised)
1975	July 31, 1975	1.62	19 (revised)
1976	Mar. 18, 1976	1.67	20 (revised)
1977	July 26, 1977	2.31	54 (revised)
1978	July 3, 1978	3.90	260 (revised)
1979	Mar. 24, 1979	1.55	16 (revised)
1980	June 13, 1980	4.27	334

## 06130620 Blood Creek tributary near Valentine, MT

Location.--Lat 47°20'12", long 108°27'48", in SW1/4 NW1/4 sec.7, T.18 N., R.26 E., Fergus County, Hydrologic Unit 10040205, at culvert on county road, 3.0 mi (4.8 km) northeast of Valentine, 16 mi (26 km) east of State Highway 19, 23 mi (37 km) east of Roy.

Drainage area.--1.97 mi<sup>2</sup> (5.10 km<sup>2</sup>).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 25, 1974. Altitude of gage is 2,950 ft (899 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	3.75	41
1975	June 20, 1975	7.15	533
1976	June 22, 1976	1.00	1
1977	July 6, 1977	4.17	65
1978	June 25, 1978	3.57	39
1979	Mar. 12, 1979	<sup>b</sup> 4.36	<sup>a</sup> 30
1980	--	--	(c)

## 06130850 Second Creek tributary No. 2 near Jordan, MT

Location.--Lat 47°12'23", long 106°48'56", in NE1/4 sec.25, T.17 N., R.38 E., Garfield County, Hydrologic Unit 10040105, at culvert on State Highway 22, 9.5 mi (15.3 km) southeast of Jordan.

Drainage area.--2.08 mi<sup>2</sup> (5.39 km<sup>2</sup>).

Records available.--March 1958 to current year.

Gage.--Crest-stage gage installed Mar. 18, 1958. Altitude of gage is 2,750 ft (838 m), from topographic map.

## 06130850 Second Creek tributary No. 2 near Jordan, MT--Continued

Maximum annual data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1958	June 1958	0.86	23
1959	Mar. 17, 1959	1.7	58
1960	Mar. 18, 1960	1.98	75
1961	Sept. 11, 1962	-.37	<sup>a</sup> 2
1962	Mar. 18, 1962	.51	15
1963	Feb. 26, 1963	.82	20
1964	June 18, 1964	8.40	760
1965	Mar. 31, 1965	1.65	55
1966	July 2, 1966	.40	13
1967	June 7, 1967	.73	20
1968	Feb. 26, 1968	.26	10
1969	Apr. 25, 1969	.32	11
1970	June 30, 1970	2.89	120
1971	Feb. 14, 1971	.19	8
1972	Aug. 14, 1972	5.06	270
1973	June 18, 1973	1.99	75
1974	Aug. 14, 1974	2.91	120
1975	May 6, 1975	1.47	55
1976	June 22, 1976	1.70	58
1977	May 18, 1977	4.85	250
1978	Mar. 22, 1978	2.32	30
1979	May 6, 1979	.63	12
1980	Mar. 22, 1980	.56	10

## 06130915 Russian Coulee near Jordan, MT

Location.--Lat 47°19'58", long 106°42'39", in NE1/4 SW1/4 sec.11, T.18 N., R.39 E., Garfield County, Hydrologic Unit 10040105, at bridge on U.S. Highway 200, 9.4 mi (15.1 km) east of Jordan.

Drainage area.--3.45 mi<sup>2</sup> (8.94 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 14, 1974. Altitude of gage is 2,530 ft (771 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	3.85	135
1975	June 26, 1975	2.51	70
1976	June 22, 1976	4.57	175
1977	May 18, 1977	2.74	28
1978	July 3, 1978	4.34	75
1979	Apr. 8, 1979	2.71	25
1980	June 13, 1980	(f)	1

## 06130925 Thompson Creek tributary near Cohagen, MT

Location.--Lat 46°57'05", long 106°27'38", in NW1/4 SW1/4 sec.19, T.14 N., R.42 E., Garfield County, Hydrologic Unit 10040106, 100 ft (30.5 km) downstream from bridge, 1.3 mi (2.1 km) northeast of Thompson Creek, 10.5 mi (16.9 km) southeast of Cohagen, 11 mi (18 km) northeast of county line, 14.1 mi (22.7 km) northeast of Rock Springs.

Drainage area.--1.23 mi<sup>2</sup> (3.19 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 15, 1974. Altitude of gage is 2,750 ft (838 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	5.30	272
1975	May 6, 1975	2.20	27
1976	Aug. 9, 1976	6.21	510
1977	--	--	(c)
1978	Mar. 29, 1978	1.80	15
1979	Apr. 17, 1979	1.10	5
1980	June 27, 1980	1.95	20

## 06130940 Spring Creek tributary near Van Norman, MT

Location.--Lat 47°14'58", long 106°18'21", in NW1/4 NE1/4 sec.12, T.17 N., R.42 E., Garfield County, Hydrologic Unit 10040106, at culvert on county road, 7.2 mi (11.6 km) south of State Highway 200, 20.6 mi (33.1 km) northeast of Cohagen.

Drainage area.--1.39 mi<sup>2</sup> (3.60 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 16, 1974. Altitude of gage is 2,440 ft (744 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	14.96	238
1975	Apr. 11, 1975	2.42	56
1976	Mar. 11, 1976	3.80	42
1977	Sept. 6, 1977	.83	1
1978	July 3, 1978	2.70	17
1979	Apr. 8, 1979	<sup>b</sup> 5.48	<sup>a</sup> 50
1980	--	--	(c)

## 06131100 Timber Creek tributary near Van Norman, MT

Location.--Lat 47°23'32", long 106°10'15", in SE1/4 NE1/4 sec.24, T.19 N., R.43 E., McCone County, Hydrologic Unit 10040104, at culvert on State Highway 24, 4.7 mi (7.6 km) north of State Highway 200, 12 mi (19 km) east of Van Norman.

Drainage area.--0.74 mi<sup>2</sup> (1.92 km<sup>2</sup>).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 28, 1974. Altitude of gage is 2,425 ft (739 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.28	112
1975	June 30, 1975	2.30	35
1976	Aug. 9, 1976	4.24	110
1977	Sept. 7, 1977	.81	4
1978	Mar. 24, 1978	2.48	40
1979	July 1, 1979	1.26	12
1980	June 13, 1980	2.27	31

## 06131300 McGuire Creek tributary near Van Norman, MT

Location.--Lat 47°36'22", long 106°09'12", in NE1/4 SE1/4 sec.2, T.21 N., R.43 E., McCone County, Hydrologic Unit 10040104, at culvert on State Highway 24, 0.7 mi (1.1 km) south of McGuire Creek, 19 mi (31 km) north of State Highway 200, 20.5 mi (33.0 km) northeast of Van Norman.

Drainage area.--0.79 mi<sup>2</sup> (1.92 km<sup>2</sup>).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 14, 1974. Altitude of gage is 2,400 ft (732 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.39	137
1975	June 30, 1975	3.29	80
1976	June 11, 1976	3.26	79
1977	Apr. 5, 1977	1.74	10
1978	July 4, 1978	6.13	218
1979	Apr. 17, 1979	2.15	30
1980	June 7, 1980	2.23	35

## 06132400 Dry Fork Milk River near Babb, MT

Location.--Lat 48°49'50", long 113°12'02", in SEL/4 sec.32, T.36 N., R.12 W., Glacier County, Hydrologic Unit 10050001, at bridge on State Highway 464, 11 mi (17.7 km) east of Babb.

Drainage area.--17.9 mi<sup>2</sup> (46.4 km<sup>2</sup>).

Records available.--August 1961 to current year.

Gage.--Crest-stage gage installed Aug. 13, 1961. Altitude of gage is 4,750 ft (1,450 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	Apr. 13, 1962	3.96	394
1963	July 5, 1963	2.41	70
1964	June 8, 1964	5.20	1,880
1965	Apr. 26, 1965	3.92	98
1966	June 4, 1966	4.32	450
1967	May 8, 1967	4.79	1,040
1968	May 22, 1968	3.45	125
1969	June 25, 1969	3.73	180
1970	June 13, 1970	3.85	210
1971	Apr. 15, 1971	2.99	62
1972	Mar. 16, 1972	<sup>b</sup> 6.10	<sup>a</sup> 1,000
1973	Apr. 12, 1973	--	<sup>a</sup> 25
1974	Apr. 27, 1974	<sup>b</sup> 4.37	72
1975	June 20, 1975	5.55	2,200
1976	Apr. 4, 1976	<sup>b</sup> 6.15	<sup>a</sup> 500
1977	Apr. 8, 1977	<sup>b</sup> 3.42	<sup>a</sup> 23
1978	Mar. 28, 1978	<sup>b</sup> 4.56	<sup>a</sup> 150
1979	Mar. 7, 1979	<sup>b</sup> 5.34	<sup>a</sup> 150
1980	May 26, 1980	1.80	217

## 06134800 Van Cleeve Coulee tributary near Sunburst, MT

Location.--Lat 48°53'05", long 111°49'20", on north line of NE1/4 sec.14, T.36 N., R.2 W., Toole County, Hydrologic Unit 10030203, at culvert on county road, 3.7 road mi (6.0 km) east of the interchange on Interstate 15 at Sunburst.

Drainage area.--10.8 mi<sup>2</sup> (28.0 km<sup>2</sup>).

Records available.--April 1963 to current year.

Gage.--Crest-stage gage installed Apr. 17, 1963. Altitude of gage is 3,340 ft (1,020 m), from topographic map.



## 06134800 Van Cleeve Coulee tributary near Sunburst, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	--	--	(c)
1964	May 3, 1964	2.08	35
1965	Apr. 7, 1965	4.00	239
1966	Mar. 9, 1966	1.55	15
1967	Mar. 22, 1967	b 3.80	a 110
1968	Feb. 28, 1968	1.15	10
1969	Mar. 17, 1969	b 3.84	a 110
1970	Mar. 20, 1970	2.26	46
1971	Feb. 14, 1971	1.26	11
1972	Mar. 16, 1972	b 2.84	a 30
1973	Apr. 12, 1973	1.07	10
1974	Apr. 28, 1974	1.44	13
1975	Apr. 21, 1975	3.41	92
1976	Mar. 18, 1976	2.36	58
1977	--	--	(c)
1978	Mar. 29, 1978	3.85	98
1979	May 6, 1979	3.47	82
1980	May 26, 1980	2.35	42

## 06136400 Spring Coulee tributary near Simpson, MT

Location.--Lat 48°56'36", long 110°12'51", in SW1/4 SW1/4 sec.24, T.37 N., R.12 E., Hill County, Hydrologic Unit 10050002, at culvert on Highway 232, 1.3 mi (2.1 km) northwest of Simpson, 0.7 mi (1.1 km) north of mile post 39, 38 mi (61 km) northwest of Havre.

Drainage area.--2.49 mi<sup>2</sup> (6.45 km<sup>2</sup>).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed July 17, 1974. Altitude of gage is 2,775 ft (846 m) from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	4.12	35
1974	e May 13, 1974	2.00	9
1975	Apr. 19, 1975	1.35	3
1976	Mar. 17, 1976	1.97	9
1977	--	--	(c)
1978	Mar. 27, 1978	2.83	21
1979	Mar. 12, 1979	3.14	25
1980	--	--	(c)

## 06137600 Sage Creek tributary No. 2 near Joplin, MT

Location.--Lat 48°54'38", long 110°46'20", in NE1/4 NE1/4 sec.2, T.36 N., R.7 E., Liberty County, Hydrologic Unit 10050006, at culvert on Highway 224, 0.7 mi (1.1 km) north of Sage Creek, 5.9 mi (9.5 km) north of end of pavement, 25.2 mi (41 km) north of Joplin.

Drainage area.--2.21 mi<sup>2</sup> (5.72 km<sup>2</sup>).

Records available.--May 1974 to current year.

Gage.--Crest-stage gage installed July 18, 1974. Altitude of gage is 3,135 ft (956 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	<sup>e</sup> May 13, 1974	2.47	15
1975	June 19, 1975	3.52	67
1976	Mar. 17, 1976	2.44	20
1977	--	--	(c)
1978	Mar. 27, 1978	3.10	56
1979	Mar. 7, 1979	1.54	4.7
1980	May 25, 1980	1.60	5

## 06138700 South Fork Spring Coulee near Havre, MT

Location.--Lat 48°24'33", long 109°49'44", in NE1/4 sec.31, T.31 N., R.15 E., Hill County, Hydrologic Unit 10050005, at culvert on county road, 12 mi (19.3 km) southwest of Havre.

Drainage area.--6.47 mi<sup>2</sup> (16.8 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 26, 1959. Altitude of gage is 2,770 ft (844 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	Mar. 17, 1960	2.04	33
1961	May 31, 1961	.04	2
1962	Mar. 18, 1962	1.68	25
1963	June 22, 1963	2.06	34
1964	May 3, 1964	.10	2
1965	April 1965	2.47	44
1966	Mar. 9, 1966	4.42	190
1967	Feb. 27, 1967	3.15	59
1968	Feb. 29, 1968	--	.1
1969	Mar. 26, 1969	3.47	75
1970	Mar. 7, 1970	1.96	31
1971	Feb. 12, 1971	2.38	50
1972	Mar. 13, 1972	<sup>b</sup> 1.73	<sup>a</sup> 5
1973	Apr. 24, 1973	.50	5
1974	Jan. 17, 1974	3.24	60
1975	Apr. 21, 1975	1.94	30
1976	Mar. 17, 1976	.61	7
1977	Apr. 5, 1977	<sup>b</sup> .81	1
1978	July 4, 1978	3.02	53
1979	Mar. 6, 1979	3.67	70
1980	June 27, 1980	.37	4

## 06153400 Fifteenmile Creek tributary near Zurich, MT

Location.--Lat 48°38'36", long 109°02'50", in SE1/4 SE1/4 sec.1, T.33 N., R.21 E., Blaine County, Hydrologic Unit 10050004, at culvert on county road, 4.3 mi (6.9 km) north of U.S. Highway 2, 4.3 mi (6.9 km) north of Zurich.

Drainage area.-- 1.40 mi<sup>2</sup> (3.63 km<sup>2</sup>).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 16, 1974. Altitude of gage is 2,590 ft (789 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	3.60	41
1975	July 31, 1975	3.26	35
1976	Mar. 18, 1976	1.21	1
1977	--	--	(c)
1978	Mar. 29, 1978	4.91	70
1979	Mar. 12, 1979	3.47	34
1980	--	--	(c)

## 06154350 Peoples Creek tributary near Lloyd, MT

Location.-- Lat 48°11'33", long 109°18'25", in SW1/4 SE1/4 sec.8, T.28 N., R.19 E., Blaine County, Hydrologic Unit 10050009, at culvert on county road, 1.6 mi (2.6 km) south of Peoples Creek, 8 mi (12.9 km) south of Lloyd, 9 mi (14.5 km) southwest of Cleveland.

Drainage area.--2.51 mi<sup>2</sup> (6.50 km<sup>2</sup>).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 17, 1974. Altitude of gage is 4,140 ft (1,262 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	<sup>e</sup> June 14, 1974	4.54	11
1975	May 6, 1975	4.96	15
1976	June 11, 1976	4.26	9
1977	--	--	(c)
1978	Apr. 15, 1978	4.42	10
1979	--	--	(c)
1980	Mar. 15, 1980	4.08	5

## 06154410 Little Peoples Creek near Hays, MT

Location.--Lat 47°57'59", long 108°39'37", in SE1/4 SE1/4 NW1/4 sec.32, T.26 N., R.24 E., Blaine County, Hydrologic Unit 10050009, on right bank 0.5 mi (0.8 km) upstream from entrance to Mission Canyon, and 2 mi (3 km) southeast of Hays.

Drainage area.--13.0 mi<sup>2</sup> (30.6 km<sup>2</sup>).

Records available.--August 1972 to current year.

Gage.--Water-stage recorder installed August 1972. Altitude of gage is 3,760 ft (1,150 m), from topographic map. August 1972 to June 24, 1976, gage at present site at datum 10.00 ft (3.048 m) lower.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	June 19, 1973	2.68	67
1974	May 25, 1974	4.57	576
1975	June 19, 1975	3.14	288
1976	July 7, 1976	.36	6
1977	May 17, 1977	10.39	14
1978	May 24, 1978	11.77	119
1979	May 6, 1979	11.76	66
1980	May 6, 1980	10.37	94

## 06155300 Disjardin Coulee near Malta, MT

Location.--Lat 48°16'33" long 107°57'49", in SE1/4 NW1/4 sec.16, T.29 N., R.29 E., Phillips County, Hydrologic Unit 10050004, at bridge on U.S. Highway 191, 8 mi (12.9 km) southwest of Malta.

Drainage area.--4.84 mi<sup>2</sup> (9.51 km<sup>2</sup>).

Records available.--July 1955 to current year.

Gage.--Crest-stage gage installed July 26, 1955. Altitude of gage is 2,290 ft (698 m), from topographic map.

## 06155300 Disjardin Coulee near Malta, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1956	Aug. 5, 1956	3.22	160
1957	Mar. 19, 1957	1.02	22
1958	--	--	(c)
1959	Mar. 18, 1959	1.62	132
1960	Mar. 18, 1960	.61	32
1961	May 30, 1961	.44	20
1962	July 18, 1962	2.23	a 200
1963	Feb. 5, 1963	b3.25	a 100
1964	Aug. 20, 1964	.38	7
1965	Apr. 12, 1965	5.15	a 360
1966	March 1966	1.37	34
1967	Mar. 22, 1967	1.89	90
1968	Feb. 28, 1968	.47	15
1969	March 1969	.81	30
1970	June 14, 1970	.41	13
1971	Mar. 31, 1971	.55	17
1972	July 25, 1972	.66	22
1973	--	--	(c)
1974	Aug. 20, 1974	.30	10
1975	Aug. 20, 1975	2.04	67
1976	Mar. 19, 1976	1.14	27
1977	Aug. 22, 1977	.74	13
1978	July 4, 1978	.75	27
1979	Mar. 13, 1979	--	a10
1980	Mar. 15, 1980	.85	15

## 06155600 Murray Coulee tributary near Hogeland, MT

Location.--Lat 48°47'16", long 108°44'50", in SW1/4 SE1/4 sec.17, T.35 N., R.23 E., Blaine County, Hydrologic Unit 10050010, at culverts on county road, 6.5 mi (10.5 km) southwest of Hogeland, 13.6 mi (22.9 km) north of State Highway 241, 18.4 mi (29.6 km) northeast of Harlem.

Drainage area.--1.77 mi<sup>2</sup> (4.58 km<sup>2</sup>).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 16, 1974. Altitude of gage is 3,250 ft (991 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	6.28	403
1975	June 19, 1975	5.82	345
1976	Mar. 18, 1976	3.95	153
1977	June 12, 1977	2.75	73
1978	Mar. 29, 1978	3.28	86
1979	Mar. 16, 1979	b2.44	a35
1980	Mar. 20, 1980	.10	2

## 06156100 Lush Coulee near Whitewater, MT

Location.--Lat 48°41'10", long 107°41'25", in SE1/4 SE1/4 sec.20, T.34 N., R.31 E., Phillips County, Hydrologic Unit 10050011, 3 mi (4.8 km) north of State Highway 242, 6 mi (9.7 km) southwest of Whitewater.

Drainage area.--9.58 mi<sup>2</sup> (24.8 km<sup>2</sup>).

Records available.--1972, June 1974 to current year.

Gage.--Crest-stage gage installed June 15, 1974. Altitude of gage is 2,455 ft (748 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	4.69	178
1974	--	2.82	83
1975	Apr. 20, 1975	3.00	91
1976	June 21, 1976	1.64	39
1977	June 10, 1977	1.32	28
1978	Mar. 26, 1978	2.23	59
1979	July 5, 1979	1.06	19
1980	Mar. 27, 1980	.90	15

## 06164600 Beaver Creek tributary near Zortman, MT

Location.--Lat 47°55'38", long 108°21'07", in NE1/4 NE1/4 sec.15, T.25 N., R.26 E., Phillips County, Hydrologic Unit 10050014, at bridge on State Highway 191, 0.3 mi (0.5 km) northeast of turnoff to Zortman, 8 mi (12.9 km) east of Zortman.

Drainage area.--3.89 mi<sup>2</sup> (10.1 km<sup>2</sup>).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 17, 1974. Altitude of gage is 3,010 ft (917 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	2.84	230
1975	June 19, 1975	2.71	190
1976	July 9, 1976	2.13	78
1977	May 18, 1977	1.50	18
1978	May 18, 1978	2.94	255
1979	May 6, 1979	2.00	60
1980	Mar. 26, 1980	1.55	20

## 06165200 Beaver Creek tributary No. 2 near Malta, MT

Location.--Lat 48°14'34", long 107°32'58", in SW1/4 NE1/4 sec.27, T.29 N., R.32 E., Phillips County, Hydrologic Unit 10050014, at culvert on county road, 17 mi (27 km) southeast of Malta, 18 mi (29 km) southwest of Saco, 11 mi (18 km) south of Bowdoin.

Drainage area.--1.95 mi<sup>2</sup> (5.05 km<sup>2</sup>).

Records available.--September 1974 to current year.

Gage.--Crest-stage gage installed Sept. 5, 1974. Altitude of gage is 2,275 ft (693 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	2.70	35
1975	Apr. 8, 1975	1.40	3
1976	Mar. 15, 1976	1.72	8
1977	Feb. 16, 1977	<sup>b</sup> 1.70	<sup>a</sup> 6
1978	July 3, 1978	1.28	2
1979	May 6, 1979	1.96	13
1980	--	--	(c)

## 06172300 Unger Coulee near Vandalia, MT

Location.--Lat 48°22'11", long 106°47'37", in SW1/4 sec.9, T.30 N., R.38 E., Valley County, Hydrologic Unit 10050012, at bridge on U.S. Highway 2, 4.5 mi (7.2 km) northeast of Vandalia.

Drainage area.--11.1 mi<sup>2</sup> (28.7 km<sup>2</sup>).

Records available.--April 1958 to current year.

Gage.--Crest-stage gage installed Apr. 15, 1958. Altitude of gage is 2,220 ft (677 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1958	<sup>e</sup> March 1958	0.92	10
1959	Apr. 1, 1959	1.41	32
1960	Mar. 20, 1960	2.32	225
1961	June 13, 1961	1.02	13
1962	July 14, 1962	3.28	575
1963	June 29, 1963	2.23	46
1964	July 19, 1964	1.20	12
1965	May 6, 1965	2.63	330
1966	March 1966	1.15	10
1967	Mar. 27, 1967	<sup>b</sup> 2.75	<sup>a</sup> 100
1968	Feb. 28, 1968	<sup>b</sup> 2.24	<sup>a</sup> 30
1969	Apr. 26, 1969	1.30	17
1970	June 30, 1970	2.75	370
1971	May 30, 1971	2.23	195
1972	June 9, 1972	6.31	4,460
1973	--	--	(c)
1974	May 20, 1974	2.84	250
1975	May 7, 1975	3.08	320
1976	July 2, 1976	3.08	320
1977	Aug. 31, 1977	2.53	180
1978	Mar. 28, 1978	<sup>b</sup> 2.94	<sup>a</sup> 140
1979	July 5, 1979	5.92	3,450
1980	--	--	(c)

## 06173300 Willow Creek tributary near Fort Peck, MT

Location.--Lat 47°53'36", long 106°53'22", in SE1/4 NE1/4 sec.25, T.25 N., R.37 E., Valley County, Hydrologic Unit 10050012, at culvert on county road, 6.8 mi (10.9 km) west of the Pines Recreation area turnoff, 19.8 mi (32 km) southwest of State Highway 24, and 21.5 mi (34.6 km) southwest of Fort Peck.

Drainage area.--0.86 mi<sup>2</sup> (2.23 km<sup>2</sup>).

Records available.--1972, June 1974 to current year.

Gage.--Crest-stage gage installed June 14, 1974. Altitude of gage is 2,275 ft (693 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	9.38	940
1974	June 21, 1974	4.40	63
1975	May 6, 1975	8.55	185
1976	July 1, 1976	8.25	120
1977	Feb. 21, 1977	1.25	4
1978	May 19, 1978	4.56	63
1979	Apr. 16, 1979	.54	20
1980	--	--	(c)

## 06174300 Milk River tributary No. 3 near Glasgow, MT

Location.-- Lat 48°12'17", long 106°33'05", in SW1/4 SW1/4 sec.3, T.28 N., R.40 E., Valley County, Hydrologic Unit 10050012, at upstream end of culvert on county road, 1.4 mi (2.9 km) east of State Highway 247, 4 mi (6.4 km) northeast of Glasgow.

Drainage area.--1.82 mi<sup>2</sup> (4.71 km<sup>2</sup>).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 13, 1974. Altitude of gage is 2,255 ft (687 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	<sup>e</sup> May 20, 1974	7.05	128
1975	July 1, 1975	7.61	251
1976	July 1, 1976	2.51	43
1977	--	--	(c)
1978	Mar. 25, 1978	<sup>b</sup> 4.73	<sup>a</sup> 83
1979	Apr. 9, 1979	5.74	118
1980	Mar. 20, 1980	1.08	1



## 06174600 Snow Coulee at Opheim, MT

Location.--Lat 48°50'27", long 106°24'47", in SE1/4 SE1/4 sec.25, T.36 N., R.40 E., Valley County, Hydrologic Unit 10050016, at culvert 1 mi (1.6 km) south of Opheim on FAS Route 247.

Drainage area.--3.11 mi<sup>2</sup> (7.64 km<sup>2</sup>).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed June 13, 1974. Altitude of gage is 3,200 ft (975 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	4.56	245
1974	<sup>e</sup> May 18, 1974	1.31	30
1975	May 7, 1975	2.01	53
1976	July 1, 1976	2.74	87
1977	--	--	(c)
1978	Mar. 29, 1978	<sup>b</sup> 5.11	<sup>a</sup> 170
1979	Apr. 18, 1979	1.35	4
1980	Apr. 6, 1980	1.70	7

## 06175700 East Fork Wolf Creek near Lustre, MT

Location.--Lat 48°24'58", long 105°47'51", in SE1/4 sec.30, T.31 N., R.46 E., Valley County, Hydrologic Unit 10060001, at culverts on county road, 4 mi (6.4 km) east of Lustre.

Drainage area.--9.61 mi<sup>2</sup> (24.9 km<sup>2</sup>).

Records available. June 1955 to current year.

Gage.--Crest-stage gage installed June 9, 1955. Altitude of gage is 2,720 ft (829 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1956	June 1956	2.27	12
1957	March 1957	<sup>b</sup> 3.28	<sup>a</sup> 5
1958	April 1958	<sup>b</sup> .58	<sup>a</sup> 1
1959	June 21, 1959	.42	2
1960	Mar. 19, 1960	<sup>b</sup> 5.20	<sup>a</sup> 150
1961	Mar. 5, 1961	<sup>b</sup> 3.44	<sup>a</sup> 130
1962	June 14, 1962	3.26	74
1963	Mar. 6, 1963	--	<sup>a</sup> 40
1964	Apr. 1, 1964	<sup>b</sup> 1.74	<sup>a</sup> 50
1965	June 16, 1965	2.92	60
1966	March 1966	<sup>b</sup> 4.79	<sup>a</sup> 90
1967	March 1967	2.61	55
1968	Aug. 15, 1968	3.58	75
1969	Apr. 26, 1969	--	<sup>a</sup> 280
1970	June 30, 1970	6.42	2,230
1971	Apr. 9, 1971	5.33	150
1972	Mar. 15, 1972	5.03	184
1973	--	--	(c)
1974	May 20, 1974	4.61	150
1975	July 1, 1975	2.89	53
1976	Mar. 19, 1976	5.67	744
1977	--	--	(c)
1978	Mar. 26, 1978	<sup>b</sup> 5.72	<sup>a</sup> 80
1979	Apr. 15, 1979	5.12	<sup>a</sup> 210
1980	--	--	(c)

## 06175900 Wolf Creek tributary No. 2 near Wolf Point, MT

Location.--Lat 48°12'05", long 105°44'45", in sec.11, T.28 N., R.46 E.,  
Roosevelt County, Hydrologic Unit 10060001, at bridge on county road,  
9.5 mi (15.3 km) northwest of Wolf Point.

Drainage area.--6.10 mi<sup>2</sup> (15.8 km<sup>2</sup>).

Records available.--June 1955 to current year.

Gage.--Crest-stage gage installed June 24, 1955. Altitude of gage is 2,240  
ft (683 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1955	July 1955	1.50	15
1956	April 1956	1.92	26
1957	July 14, 1957	2.03	28
1958	Mar. 24, 1958	1.62	1
1959	June 20, 1959	3.81	979
1960	Mar. 18, 1960	3.24	140
1961	May 21, 1961	3.00	110
1962	July 1, 1962	4.78	365
1963	July 10, 1963	4.18	265
1964	May 5, 1964	1.56	1
1965	June 16, 1965	2.66	80
1966	July 2, 1966	3.23	135
1967	March 1967	<sup>b</sup> 5.40	<sup>a</sup> 300
1968	July 16, 1968	7.81	3,900
1969	Apr. 7, 1969	3.18	130
1970	July 28, 1970	3.63	185
1971	Apr. 9, 1971	3.37	155
1972	Mar. 15, 1972	5.47	380
1973	June 18, 1973	3.08	100
1974	May 20, 1974	5.25	330
1975	July 1, 1975	5.35	350
1976	Mar. 19, 1976	4.45	50
1977	Sept. 8, 1977	3.72	20
1978	Mar. 27, 1978	4.55	5
1979	Apr. 18, 1979	4.45	5
1980	Apr. 30, 1980	3.71	<sup>a</sup> 5

## 06176950 Missouri River tributary No. 6 near Wolf Point, MT

Location.--Lat 48°03'23", long 105°33'22", in NW1/4 NW1/4 sec.32, T.27 N., R.48 E., McCone County, Hydrologic Unit 10060001, on left bank at upstream end of culvert on county road, 1.2 mi (1.9 km) west of State Highway 13, 5 mi (8 km) southwest of Wolf Point.

Drainage area.--0.53 mi<sup>2</sup> (0.21 km<sup>2</sup>).

Records available.--1973, June 1974 to current year.

Gage.--Crest-stage gage installed June 11, 1974. Altitude of gage is 1,995 ft (608 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	4.90	28
1974	--	3.90	16
1975	Apr. 26, 1975	3.51	11
1976	Mar. 19, 1976	5.51	34
1977	--	--	(c)
1978	May 7, 1978	4.02	16
1979	Apr. 17, 1979	3.64	3
1980	--	--	(c)

## 06177020 Tule Creek tributary near Wolf Point, MT

Location.-- Lat 48°14'40", long 105°29'31", in SE1/4 SE1/4 sec.21, T.29 N., R.48 E., Roosevelt County, Hydrologic Unit 10060001, on right bank at upstream end of culvert, on county road 0.2 mi (0.3 km) east of State Highway 13, 8.6 mi (13.8 km) north of U.S. Highway 2, 12.5 mi (20.1 km) northeast of Wolf Point.

Drainage area.--0.74 mi<sup>2</sup> (1.92 km<sup>2</sup>).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 11, 1974. Altitude of gage is 2,320 ft (707 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	6.80	77
1975	June 30, 1975	8.70	118
1976	June 7, 1976	1.58	22
1977	--	--	(c)
1978	Mar. 23, 1978	1.67	23
1979	Apr. 10, 1979	1.99	28
1980	--	--	(c)

## 06177050 East Fork Duck Creek near Brockway, MT

Location.--Lat 47°11'14", long 105°47'09", in sec.31, T.17 N., R.47 E.,  
McCone County, Hydrologic Unit 10060002, at bridge on county road, 8 mi  
(12.9 km) south of Brockway.

Drainage area.--12.4 mi<sup>2</sup> (32.1 km<sup>2</sup>).

Records available.--June 1955 to current year.

Gage.--Crest-stage gage installed June 13, 1955. Altitude of gage is 2,660  
ft (811 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1955	July 12, 1955	1.46	106
1956	Mar. 2, 1956	1.08	60
1957	July 14, 1957	3.64	505
1958	July 21, 1958	.19	8
1959	Mar. 18, 1959	2.47	273
1960	Aug. 16, 1960	1.65	140
1961	May 31, 1961	1.62	134
1962	July 14, 1962	1.97	190
1963	June 6, 1963	4.30	650
1964	July 5, 1964	1.31	93
1965	June 16, 1965	2.33	250
1966	July 1, 1966	2.19	224
1967	March 1967	<sup>b</sup> .85	<sup>a</sup> 30
1968	Feb. 27, 1968	<sup>b</sup> .95	<sup>a</sup> 10
1969	Mar. 17, 1969	<sup>b</sup> 2.50	<sup>a</sup> 120
1970	June 12, 1970	.40	12
1971	Mar. 30, 1971	1.59	130
1972	Mar. 12, 1972	2.49	280
1973	--	--	(c)
1974	June 21, 1974	.84	40
1975	Apr. 3, 1975	.94	50
1976	Mar. 18, 1976	1.09	65
1977	Aug. 31, 1977	.34	12
1978	Mar. 25, 1978	3.49	475
1979	Apr. 9, 1979	3.02	400
1980	June 13, 1980	1.73	155

## 06177700 Cow Creek tributary near Vida, MT

Location.--Lat 47°42'34", long 105°29'24", in SE1/4 sec.36, T.23 N., R.48 E., McCone County, Hydrologic Unit 10060002, at bridge on State Highway 13, 8.8 mi (14.2 km) south of Vida, and 20 mi (32.2 km) northeast of Circle.

Drainage area.--1.71 mi<sup>2</sup> (4.43 km<sup>2</sup>).

Records available.--May 1963 to current year.

Gage.--Crest-stage gage installed May 18, 1963. Altitude of gage is 2,390 ft (728 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	June 5, 1963	4.07	750
1964	--	--	(c)
1965	June 15, 1965	.90	20
1966	July 2, 1966	2.30	200
1967	March 1967	1.25	50
1968	Feb. 26, 1968	.85	17
1969	Mar. 21, 1969	1.71	100
1970	Apr. 7, 1970	1.41	62
1971	Mar. 31, 1971	1.30	53
1972	Mar. 13, 1972	<sup>b</sup> 3.10	300
1973	--	--	(c)
1974	May 20, 1974	.93	23
1975	May 6, 1975	2.42	225
1976	July 2, 1976	3.74	620
1977	--	--	(c)
1978	July 3, 1978	2.77	310
1979	Apr. 18, 1979	2.43	180
1980	--	--	(c)

## 06177720 West Fork Sullivan Creek near Richey, MT

Location.--Lat 47°31'47", long 105°13'43", in NW1/4 NW1/4 sec.4, T.20 N., R.51 E., Dawson County, Hydrologic Unit 10060002, at culvert on county road, 2.5 mi (4.0 km) south of Highway 200, 11 mi (18 km) southwest of Richey, 19 mi (31 km) northeast of Circle.

Drainage area.--13.8 mi<sup>2</sup> (35.7 km<sup>2</sup>).

Records available.--1972, June 1974 to current year.

Gage.--Crest-stage gage installed June 28, 1974. Altitude of gage is 2,520 ft (768 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	5.45	103
1974	--	--	(c)
1975	May 7, 1975	3.52	49
1976	July 2, 1976	5.52	104
1977	July 10, 1977	2.27	11
1978	Mar. 22, 1978	<sup>b</sup> 4.75	<sup>a</sup> 10
1979	Apr. 18, 1979	3.50	48
1980	--	--	(c)

## 06177800 Wolf Creek tributary near Vida, MT

Location.--Lat 47°54'49", long 105°29'53", in SE1/4 sec.15, T.25 N., R.48 E., McCone County, Hydrologic Unit 10060002, at bridge on State Highway 13, 11.1 road mi (17.9 km) south of the Missouri bridge near Wolf Point, and 5.5 mi (8.8 km) north of Vida.

Drainage area.--0.91 mi<sup>2</sup> (2.36 km<sup>2</sup>).

Records available.--July 1962 to current year.

Gage.--Crest-stage gage installed May 18, 1963. Altitude of gage is 2,400 ft (732 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	<sup>e</sup> July 14, 1962	8.58	a1,500
1963	Aug. 25, 1963	1.83	a 70
1964	--	--	(c)
1965	Apr. 13, 1965	3.00	a 150
1966	July 4, 1966	5.45	850
1967	Mar. 22, 1967	<sup>b</sup> 1.33	21
1968	Feb. 26, 1968	.20	1
1969	Apr. 7, 1969	1.42	40
1970	June 12, 1970	5.50	870
1971	Mar. 31, 1971	.46	7
1972	Mar. 13, 1972	1.86	38
1973	--	--	(c)
1974	Aug. 8, 1974	1.96	80
1975	July 1, 1975	2.86	165
1976	July 2, 1976	2.59	96
1977	--	--	(c)
1978	July 3, 1978	1.99	50
1979	Apr. 8, 1979	<sup>b</sup> 3.09	a 80
1980	--	--	(c)

## 06177820 North Fork Creek tributary near Richey, MT

Location.--Lat 47°52'28", long 104°56'10", in SE1/4 NE1/4 sec.36, T.25 N., R.52 E., Richland County, Hydrologic Unit 10060002, at culvert on county road, 15.3 mi (24.6 km) north of Highway 200, 14.5 mi (23.3 km) northwest of Enid.

Drainage area.--0.74 mi<sup>2</sup> (1.92 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 17, 1974. Altitude of gage is 2,350 ft (716 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	3.35	42
1975	May 6, 1975	2.33	19
1976	Mar. 18, 1976	3.71	54
1977	--	--	(c)
1978	Mar. 24, 1978	5.23	105
1979	Apr. 17, 1979	3.73	52
1980	Mar. 15, 1980	2.45	21

## 06179100 Butte Creek tributary near Four Buttes, MT

Location.--Lat 48°48'33", long 105°35'08", in SE1/4 SE1/4 sec.5, T.35 N., R.47 E., Daniels County, Hydrologic Unit 10060003, attached to wooden post on left bank at upstream end of culvert on FAS Route 248, 1 mi (1.6 km) east of Four Buttes.

Drainage area.--1.60 mi<sup>2</sup> (4.07 km<sup>2</sup>).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed June 12, 1974. Altitude of gage is 2,460 ft (750 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	4.55	144
1974	<sup>e</sup> May 13, 1974	1.76	10
1975	July 1, 1975	7.60	609
1976	Mar. 18, 1976	2.77	48
1977	Aug. 31, 1977	1.41	16
1978	July 4, 1978	1.53	18
1979	Apr. 16, 1979	1.81	22
1980	Mar. 23, 1980	<sup>b</sup> 1.61	<sup>a</sup> 1

## 06182700 Middle Fork Big Muddy Creek near Flaxville, MT

Location.-- Lat 48°48'08", long 105°06'48", in SW1/4 NE1/4 sec.12, T.35 N., R.50 E., Daniels County, Hydrologic Unit 10060006, on left downstream piling of bridge on State Highway 5, 2.8 mi (4.5 km) east of Flaxville.

Drainage area.--3.12 mi<sup>2</sup> (7.46 km<sup>2</sup>).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed June 12, 1974. Altitude of gage is 2,570 ft (783 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	3.32	101
1974	<sup>e</sup> May 13, 1974	1.50	14
1975	Apr. 22, 1975	2.62	59
1976	Mar. 18, 1976	3.89	142
1977	Aug. 20, 1977	1.80	24
1978	Mar. 24, 1978	2.01	28
1979	Apr. 15, 1979	3.12	95
1980	Mar. 29, 1980	<sup>b</sup> 2.29	<sup>a</sup> 5

## 06183300 Spring Creek near Plentywood, MT

Location.--Lat 48°48'45", long 104°28'16", in SE1/4 sec.1, T.35 N., R.55 E., Sheridan County, Hydrologic Unit 10060006, at culvert on county road, 5 mi (8.0 km) northeast of Plentywood.

Drainage area.--7.05 mi<sup>2</sup> (18.3 km<sup>2</sup>).

Records available.--June 1955 to current year.

Gage.--Crest-stage gage installed June 10, 1955. Altitude of gage is 2,260 ft (689 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1955	July 7, 1955	0.69	5
1956	--	--	(c)
1957	July 23, 1957	2.77	76
1958	Mar. 30, 1958	1.49	25
1959	June 26, 1959	1.30	20
1960	Mar. 21, 1960	5.19	240
1961	July 30, 1961	1.20	17
1962	Mar. 26, 1962	1.32	24
1963	Sept. 17, 1963	<sup>a</sup> 2.7	72
1964	Mar. 31, 1964	<sup>b</sup> 5.45	<sup>a</sup> 40
1965	Apr. 14, 1965	<sup>b</sup> .67	<sup>a</sup> 10
1966	Mar. 13, 1966	2.33	60
1967	April 1967	1.07	16
1968	March 1968	1.80	40
1969	Apr. 4, 1969	<sup>b</sup> 5.56	<sup>a</sup> 40
1970	June 13, 1970	1.28	23
1971	Apr. 5, 1971	1.00	11
1972	Mar. 15, 1972	<sup>b</sup> 5.12	<sup>a</sup> 60
1973	Mar. 3, 1973	.22	1
1974	May 20, 1974	2.63	70
1975	May 7, 1975	2.06	50
1976	June 12, 1976	3.34	94
1977	June 4, 1977	.64	4
1978	July 4, 1978	1.52	32
1979	Apr. 15, 1979	5.84	524
1980	--	--	(c)



## 06184200 Lost Creek tributary near Homestead, MT

Location.--Lat 48°24'09", long 104°29'49", in NW1/4 NW1/4 sec.31, T.31 N., R.56 E., Sheridan County, Hydrologic Unit 10060006, at upstream side of culvert on State Highway 16, 2.3 mi (3.7 km) southeast of Homestead, 4.6 mi (7.4 km) north of Froid.

Drainage area.--1.90 mi<sup>2</sup> (4.92 km<sup>2</sup>).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed June 11, 1974. Altitude of gage is 1,970 ft (600 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	3.48	<sup>a</sup> 50
1974	<sup>e</sup> May 14, 1974	1.62	8
1975	May 7, 1975	2.27	1
1976	June 12, 1976	12.60	1,260
1977	Feb. 28, 1977	4.88	20
1978	July 5, 1978	8.67	247
1979	Apr. 9, 1979	6.80	145
1980	--	--	(c)

## 06185400 Missouri River tributary No. 5 at Culbertson, MT

Location.--Lat 48°09'31", long 104°30'55", in SE1/4 sec.20, T.28 N., R.56 E., Roosevelt County, Hydrologic Unit 10060005, at culvert on State Highway 16, 0.7 mi (1.1 km) north of U.S. Highway 2, at Culbertson Rodeo Grounds.

Drainage area.--3.67 mi<sup>2</sup> (9.51 km<sup>2</sup>).

Records available.--May 1963 to current year.

Gage.--Crest-stage gage installed May 19, 1963. Altitude of gage is 1,970 ft (600 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	July 24, 1963	6.60	495
1964	June 14, 1964	2.59	128
1965	Apr. 17, 1965	1.01	<sup>a</sup> 30
1966	July 4, 1966	2.14	95
1967	March 1967	<sup>b</sup> 2.52	<sup>a</sup> 90
1968	Feb. 29, 1968	<sup>b</sup> .98	<sup>a</sup> 10
1969	Apr. 7, 1969	1.02	30
1970	Apr. 7, 1970	1.09	33
1971	Mar. 16, 1971	2.00	85
1972	Mar. 15, 1972	2.19	100
1973	Mar. 3, 1973	.30	5
1974	Jan. 17, 1974	.65	15
1975	Apr. 22, 1975	1.66	64
1976	June 12, 1976	10.52	1,325
1977	Aug. 31, 1977	.66	1
1978	Mar. 25, 1978	2.57	125
1979	July 4, 1979	5.89	425
1980	Apr. 15, 1980	.16	1

## 06201700 Hump Creek near Reed Point, MT

Location.--Lat 45°42'33", long 109°35'35", in NE1/4 sec.35, T.1 S., R.17 E., Sweet Grass County, Hydrologic Unit 10070004, at bridge on Interstate Highway 90 and U.S. Highway 10, 2 mi (3.2 km) west of Reed Point.

Drainage area.--7.61 mi<sup>2</sup> (19.7 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 4, 1959. Altitude of gage is 3,780 ft (1,150 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	Mar. 19, 1960	0.50	15
1961	--	--	(c)
1962	June 13, 1962	2.96	307
1963	May 12, 1963	.29	8
1964	--	(f)	<sup>a</sup> 1
1965	Apr. 2, 1965	.2	5
1966	Mar. 10, 1966	.76	30
1967	June 27, 1967	1.93	130
1968	June 9, 1968	1.62	87
1969	Mar. 17, 1969	.97	28
1970	May 21, 1970	1.16	40
1971	Feb. 15, 1971	.76	18
1972	Aug. 3, 1972	1.00	30
1973	May 1, 1973	1.52	45
1974	Jan. 15, 1974	2.77	227
1975	May 7, 1975	2.96	307
1976	May 11, 1976	2.28	123
1977	--	--	(c)
1978	May 18, 1978	2.96	295
1979	Apr. 11, 1979	<sup>b</sup> 2.94	<sup>a</sup> 20
1980	Apr. 1, 1980	2.09	98

## 06205100 Allen Creek near Park City, MT

Location.--Lat 45°35'43", long 109°03'22", in NE1/4 sec.7, T.3 S., R.22 E., Stillwater County, Hydrologic Unit 10070004, about 200 ft (61 m) up-stream from Cove ditch flume, 7 mi (11.3 km) west of Park City.

Drainage area.--7.17 mi<sup>2</sup> (18.6 km<sup>2</sup>).

Records available.--June 1961 to current year.

Gage.--Crest-stage gage installed June 15, 1961. Altitude of gage is 3,470 ft (1,060 m), from topographic map

## 06205100 Allen Creek near Park City, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1961	<sup>e</sup> May 24, 1961	5.68	1,580
1962	Feb. 1, 1962	1.30	120
1963	June 3, 1963	.15	10
1964	--	--	(c)
1965	Apr. 2, 1965	.35	30
1966	June 19, 1966	2.40	260
1967	June 17, 1967	2.00	196
1968	Feb. 19, 1968	1.05	90
1969	June 20, 1969	1.45	135
1970	May 21, 1970	1.24	110
1971	Feb. 28, 1971	<sup>b</sup> 1.75	<sup>a</sup> 75
1972	Feb. 19, 1972	--	5
1973	May 1, 1973	.75	60
1974	Jan. 15, 1974	1.92	190
1975	May 7, 1975	1.30	117
1976	May 14, 1976	.97	80
1977	--	--	(c)
1978	May 18, 1978	3.46	410
1979	Mar. 7, 1979	<sup>b</sup> 2.64	<sup>a</sup> 90
1980	Feb. 18, 1980	1.94	9

## 06207600 Jack Creek tributary near Belfry, MT

Location.--Lat 45°09'44", long 108°49'24", in SE1/4 SE1/4 sec.6, T.8 S., R.24 E., Carbon County, Hydrologic Unit 10070006, on railroad bridge 100 ft (30.5 m) upstream from U.S. Highway 310, 9 mi (14 km) east of Belfry, 11.5 mi (18.5 km) northwest of Warren.

Drainage area.--0.85 mi<sup>2</sup> (2.20 km<sup>2</sup>).

Records available.--November 1974 to current year.

Gage.--Crest-stage gage installed Nov. 26, 1974. Altitude of gage is 4,035 ft (1,230 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1975	May 7, 1975	1.19	9
1976	Aug. 3, 1976	2.34	28
1977	June 10, 1977	2.09	24
1978	May 18, 1978	2.23	27
1979	Apr. 7, 1979	5.21	90
1980	Mar. 31, 1980	2.63	34

## 06214150 Mills Creek at Rapelje, MT

Location.--Lat 45°58'03", long 109°15'17", in SE1/4 NE1/4 sec.32, T.3 N., R.20 E., Stillwater County, Hydrologic Unit 10070004, at culvert on Secondary Highway 306, 0.4 mi (0.6 km) south of Rapelje.

Drainage area.--3.32 mi<sup>2</sup> (8.60 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 6, 1974. Altitude of gage is 4,025 ft (1,227 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	3.46	31
1975	May 19, 1975	1.78	8
1976	Feb. 12, 1976	1.44	4
1977	--	--	( <sup>c</sup> )
1978	June 15, 1978	1.83	9
1979	Mar. 12, 1979	<sup>b</sup> 6.08	<sup>a</sup> 40
1980	Mar. 14, 1980	2.15	12

## 06216200 West Wets Creek near Billings, MT

Location.--Lat 45°37'38", long 108°24'14", in SW1/4 sec.28, T.2 S., R.27 E., Yellowstone County, Hydrologic Unit 10070008, at bridge on county road, 19 mi (30.6 km) southeast of Billings.

Drainage area.--8.80 mi<sup>2</sup> (22.8 km<sup>2</sup>).

Records available.--May 1955 to current year.

Gage.--Crest-stage gage installed May 26, 1955. Altitude of gage is 3,550 ft (1,080 m), from topographic map

## 06216200 West Wets Creek near Billings, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1955	Aug. 25, 1955	--	<sup>a</sup> 5
1956	Feb. 22, 1956	3.23	65
1957	June 8, 1957	1.66	105
1958	July 2, 1958	.50	40
1959	June 4, 1959	1.14	70
1960	May 2, 1960	2.50	160
1961	May 21, 1961	.40	35
1962	Mar. 9, 1962	1.92	118
1963	June 8, 1963	2.7	170
1964	Apr. 26, 1964	6.9	565
1965	June 25, 1965	2.20	135
1966	Mar. 9, 1966	4.18	292
1967	June 6, 1967	2.46	155
1968	June 9, 1968	1.43	90
1969	June 26, 1969	3.10	200
1970	June 12, 1970	2.24	140
1971	June 10, 1971	2.23	138
1972	May 21, 1972	3.52	235
1973	Apr. 25, 1973	1.90	110
1974	June 8, 1974	3.03	200
1975	June 19, 1975	2.34	100
1976	June 22, 1976	2.16	90
1977	May 17, 1977	1.06	68
1978	May 19, 1978	6.81	545
1979	Mar. 12, 1979	(f)	<30
1980	Mar. 28, 1980	1.40	48

## 06217300 Twelvemile Creek near Shepherd, MT

Location.--Lat 45°55'16", long 108°27'44", in NW1/4 SW1/4 sec.14, T.2 N., R.26 E., Yellowstone County, Hydrologic Unit 10070007, at culverts on Highway 87, 5.6 mi (9.0 km) north of junction with old Highway 10, 6.0 mi (9.7 km) west of Shepherd.

Drainage area.--9.05 mi<sup>2</sup> (24.6 km<sup>2</sup>).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 29, 1973. Altitude of gage is 3,220 ft (981 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	1.89	70
1974	June 8, 1974	1.20	20
1975	Feb. 24, 1975	1.78	60
1976	May 14, 1976	1.32	25
1977	--	--	(c)
1978	May 18, 1978	3.04	250
1979	Mar. 7, 1979	<sup>b</sup> 4.24	unknown
1980	June 15, 1980	2.05	140

## 06217700 Crooked Creek tributary near Shepherd, MT

Location.--Lat 46°04'23", long 108°30'09", in SW1/4 sec.21, T.4 N., R.26 E., Yellowstone County, Hydrologic Unit 10070007, at bridge on county road, 1.7 mi (2.7 km) west of U.S. Highway 87 between Billings and Roundup, 12 mi (19.3 km) northwest of Shepherd, and 20 mi (32.2 km) north of Billings.

Drainage area.--7.21 mi<sup>2</sup> (18.7 km<sup>2</sup>).

Records available.--June 1962 to current year.

Gage.--Crest-stage gage installed Apr. 22, 1963. Altitude of gage is 3,400 ft (1,040 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	<sup>e</sup> June 4, 1962	13.68	5,120
1963	June 21, 1963	5.26	1,110
1964	June 18, 1964	1.76	<sup>a</sup> 150
1965	June 25, 1965	--	47
1966	Mar. 8, 1966	3.54	<sup>a</sup> 600
1967	June 11, 1967	7.85	1,980
1968	Sept. 22, 1968	1.46	<sup>a</sup> 150
1969	March 1969	2.20	250
1970	May 30, 1970	1.86	220
1971	Feb. 12, 1971	.88	85
1972	June 9, 1972	1.37	140
1973	Aug. 23, 1973	.82	80
1974	Aug. 20, 1974	1.49	160
1975	Feb. 24, 1975	.73	75
1976	May 14, 1976	.91	90
1977	--	--	( <sup>c</sup> )
1978	Sept. 18, 1978	-.54	8
1979	Mar. 12, 1979	-.34	11
1980	June 15, 1980	-.15	2

## 06290200 Little Bighorn River tributary near Wyola, MT

Location.--Lat 45°08'18", long 107°23'08", in SE1/4 NW1/4 sec.14, T.8 S., R.35 E., Big Horn County, Hydrologic Unit 10080016, on left bank along side of private road, 0.3 mi (0.5 km) east of U.S. Highway 87, 0.8 mi (1.3 km) northeast of Wyola.

Drainage area.--4.43 mi<sup>2</sup> (11.5 km<sup>2</sup>).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 30, 1973. Altitude of gage is 3,680 ft (1,120 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	2.15	46
1974	May 1974	--	1
1975	Mar. 3, 1975	<sup>b</sup> 2.64	<sup>a</sup> 28
1976	Feb. 8, 1976	1.22	3
1977	June 10, 1977	3.79	225
1978	May 19, 1978	3.39	136
1979	Mar. 12, 1979	( <sup>f</sup> )	<sup>a</sup> 3
1980	May 10, 1980	2.75	78

## 06293300 Long Otter Creek near Lodgegrass, MT

Location.--Lat 45°26'15", long 107°23'42", near center of line between the NE1/4 and NW1/4 of SE1/4 sec.28, T.4 S., R.35 E., Big Horn County, Hydrologic Unit 10080016, at culvert on U.S. Highway 87, 10 mi (16 km) north of Lodgegrass.

Drainage area.--11.7 mi<sup>2</sup> (30.3 km<sup>2</sup>).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 30, 1973. Altitude of gage is 3,210 ft (978 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	2.81	53
1974	Jan. 16, 1974	1.65	14
1975	Apr. 4, 1975	4.60	129
1976	Mar. 19, 1976	1.73	17
1977	Mar. 25, 1977	<sup>b</sup> 3.01	<sup>a</sup> 30
1978	May 19, 1978	8.04	298
1979	Apr. 12, 1979	(f)	1
1980	Mar. 31, 1980	2.07	27

## 06294400 Andresen Coulee near Custer, MT

Location.--Lat 46°03'53", long 107°32'30", in center of W1/2 sec.30, T.4 N., R.34 E., Yellowstone County, Hydrologic Unit 10080015, at culvert on State Highway 47, 4.5 mi (7.2 km) south of Custer, and 5.3 road mi (8.5 km) south of U.S. Highways 10 and 312.

Drainage area.--2.35 mi<sup>2</sup> (6.09 km<sup>2</sup>).

Records available.--April 1963 to current year.

Gage.--Crest-stage gage installed Apr. 27, 1963. Altitude of gage is 2,820 ft (860 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	June 4, 1963	1.57	40
1964	June 18, 1964	1.06	20
1965	Aug. 23, 1965	.87	13
1966	Mar. 9, 1966	--	5
1967	February 1967	.30	2
1968	June 9, 1968	.90	14
1969	Mar. 18, 1969	1.06	20
1970	Apr. 6, 1970	.05	<sup>a</sup> 1
1971	Feb. 12, 1971	<sup>b</sup> 1.72	<sup>a</sup> 5
1972	Feb. 28, 1972	<sup>b</sup> 1.18	9
1973	Sept. 1, 1973	.33	2
1974	Jan. 15, 1974	.33	2
1975	Jan. 15, 1975	1.01	18
1976	June 11, 1976	.88	14
1977	May 17, 1977	.37	3
1978	May 18, 1978	.47	5
1979	Mar. 13, 1979	<sup>b</sup> 1.67	<sup>a</sup> 14
1980	May 10, 1980	.87	14

## 06294600 Tullock Creek tributary near Hardin, MT

Location.--Lat 45°47'52", long 107°15'40", in NW1/4 NW1/4 sec.33, T.1 N., R.36 E., Big Horn County, Hydrologic Unit 10080015, at culvert on State Highway 384, 18 mi (30 km) northeast of Hardin.

Drainage area.--8.63 mi<sup>2</sup> (22.4 km<sup>2</sup>).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 30, 1973. Altitude of gage is 3,180 ft (969 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	2.12	88
1974	June 8, 1974	1.75	68
1975	Mar. 3, 1975	3.38	171
1976	June 11, 1976	(f)	10
1977	June 15, 1977	1.34	42
1978	May 18, 1978	1.67	60
1979	Mar. 12, 1979	<sup>b</sup> 2.26	<sup>a</sup> 20
1980	May 10, 1980	.80	2

## 06294930 Sarpy Creek tributary near Colstrip, MT

Location.--Lat 45°54'54", long 107°07'57", in SW1/4 SW1/4 sec.16, T.2 N., R.37 E., Treasure County, Hydrologic Unit 10100001, at culvert on county road, 0.1 mi (0.2 km) north of the Treasure and Big Horn county line, 25 mi (40 km) west of Colstrip.

Drainage area.--4.44 mi<sup>2</sup> (11.5 km<sup>2</sup>).

Records available.--October 1972 to current year.

Gage.--Crest-stage gage installed Oct. 30, 1973. Altitude of gage is 3,120 ft (951 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	4.33	194
1973	--	1.27	6
1974	--	--	(c)
1975	Jan. 20, 1975	2.91	27
1976	June 7, 1976	1.29	7
1977	Apr. 8, 1977	3.48	32
1978	Mar. 18, 1978	4.84	590
1979	Apr. 14, 1979	1.29	7
1980	Mar. 13, 1980	1.35	7



## 06294960 Anderson Creek at Vananda, MT

Location.--Lat 46°23'35", long 107°00'27", in SE1/4 NE1/4 sec.6, T.7 N., R.38 E., Rosebud County, Hydrologic Unit 10100002, at bridge on U.S. Highway 12, at Vananda.

Drainage area.--5.71 mi<sup>2</sup> (14.8 km<sup>2</sup>).

Records available.--September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 4, 1973. Altitude of gage is 2,690 ft (820 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	2.44	130
1974	June 21, 1974	1.83	69
1975	July 31, 1975	4.13	420
1976	Feb. 24, 1976	1.78	65
1977	May 15, 1977	1.50	45
1978	May 18, 1978	2.35	120
1979	Mar. 24, 1979	<sup>b</sup> 2.35	unknown
1980	May 31, 1980	1.63	53

## 06294985 East Fork Armells Creek tributary near Colstrip, MT

Location.--Lat 46°04'01", long 106°42'39", in SE1/4 SE1/4 sec.26, T.4 N., R.40 E., Rosebud County, Hydrologic Unit 10100001, on bridge on State Highway 315, 13 mi (21 km) north of Colstrip.

Drainage area.--1.87 mi<sup>2</sup> (4.84 km<sup>2</sup>).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 31, 1973. Altitude of gage is 2,860 ft (872 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	2.15	2
1974	July 3, 1974	2.48	5
1975	Jan. 21, 1975	2.72	50
1976	July 2, 1976	2.45	5
1977	Aug. 31, 1977	3.55	15
1978	Aug. 22, 1978	4.61	88
1979	Mar. 12, 1979	<sup>b</sup> 4.75	<sup>a</sup> 10
1980	June 15, 1980	3.55	4

## 06295020 Short Creek near Forsyth, MT

Location.--Lat 46°17'44", long 106°40'05", in NW1/4 sec.12, T.6 N., R.40 E., Rosebud County, Hydrologic Unit 10100001, at bridge on county road, 2.4 mi (3.9 km) northeast of U.S. Highway 12, and 2 mi (3.2 km) north of Forsyth.

Drainage area.--3.23 mi<sup>2</sup> (8.37 km<sup>2</sup>).

Records available.--June 1962 to current year.

Gage.--Crest-stage gage installed Apr. 27, 1963. Altitude of gage is 2,550 ft (777 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	<sup>e</sup> June 15, 1962	4.84	406
1963	June 19, 1963	1.30	20
1964	Aug. 29, 1964	1.67	35
1965	July 12, 1965	6.64	938
1966	June 4, 1966	6.20	790
1967	March 1967	2.71	105
1968	March 1968	<sup>b</sup> 4.23	<sup>a</sup> 100
1969	Mar. 18, 1969	<sup>b</sup> 3.50	<sup>a</sup> 100
1970	June 12, 1970	1.85	45
1971	Aug. 30, 1971	6.55	910
1972	Oct. 18, 1971	2.10	60
1973	June 18, 1973	5.26	500
1974	Jan. 15, 1974	3.72	210
1975	June 19, 1975	5.20	490
1976	Apr. 5, 1976	.82	1
1977	Aug. 30, 1977	1.96	50
1978	Sept.13, 1978	2.11	60
1979	July 25, 1979	4.78	410
1980	Sept.12, 1980	3.87	240

## 06296115 Reservation Creek near Miles City, MT

Location.--Lat 46°22'38", long 105°58'21", in SE1/4 NE1/4 sec.9, T.7 N., R.46 E., Custer County, Hydrologic Unit 10100001, at culvert on county road No. 446, 6.5 mi (10.5 km) southwest of Miles City.

Drainage area.--6.29 mi<sup>2</sup> (16.3 km<sup>2</sup>).

Records available.--August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 24, 1973. Altitude of gage is 2,440 ft (744 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	10.57	1,340
1974	May 28, 1974	1.19	55
1975	May 6, 1975	6.40	560
1976	July 8, 1976	4.12	250
1977	Feb. 11, 1977	.47	24
1978	May 18, 1978	3.88	280
1979	July 25, 1979	2.84	200
1980	June 11, 1980	3.99	260

## 06306900 Spring Creek near Decker, MT

Location.--Lat 45°05'09", long 106°50'12", in SW1/4 NW1/4 SE1/4 sec.33, T.8 S., R.40 E., Big Horn County, Hydrologic Unit 10090101, at culverts on county road, 5 mi (8.0 km) north of Decker.

Drainage area.--34.7 mi<sup>2</sup> (89.9 km<sup>2</sup>).

Records available.--May 1958 to current year.

Gage.--Crest-stage gage installed May 9, 1958. Altitude of gage is 3,500 ft (1,070 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1958	June 7, 1958	3.4	184
1959	Mar. 17, 1959	1.19	45
1960	Mar. 19, 1960	1.31	49
1961	--	--	(c)
1962	June 16, 1962	6.59	<sup>a</sup> 900
1963	June 15, 1963	1.07	40
1964	Apr. 22, 1964	.05	15
1965	Aug. 21, 1965	2.61	362
1966	Sept. 26, 1966	.11	<sup>a</sup> 15
1967	June 12, 1967	2.81	390
1968	June 9, 1968	.72	130
1969	Mar. 18, 1969	1.82	250
1970	May 14, 1970	1.35	195
1971	Feb. 14, 1971	6.50	1,400
1972	Feb. 28, 1972	2.90	420
1973	Sept. 1, 1973	.26	<sup>a</sup> 20
1974	Mar. 28, 1974	1.31	40
1975	Mar. 3, 1975	3.89	355
1976	Feb. 22, 1976	.34	20
1977	June 10, 1977	5.27	530
1978	May 18, 1978	3.00	270
1979	July 29, 1979	1.82	120 (revised)
1980	May 25, 1980	.47	10

## 06306950 Leaf Rock Creek near Kirby, MT

Location.--Lat 45°11'16", long 106°54'50", in center of sec.35, T.7 S., R.39 E., Big Horn County, Hydrologic Unit 10090101, at culvert on county road, 10 mi (16.1 km) south of Kirby.

Drainage area.--4.53 mi<sup>2</sup> (15.9 km<sup>2</sup>).

Records available.--April 1959 to current year.

Gage.--Crest-stage gage installed Apr. 15, 1959. Altitude of gage is 3,950 ft (1,200 m), from topographic map.

## 06306950 Leaf Rock Creek near Kirby, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1958	<sup>e</sup> June 7, 1958	6.77	222
1959	--	--	unknown
1960	Mar. 19, 1960	5.03	168
1961	--	--	( <sup>c</sup> )
1962	June 16, 1962	6.37	216
1963	June 15, 1963	6.77	222
1964	Apr. 6, 1964	1.17	30
1965	Apr. 1, 1965	1.62	45
1966	July 12, 1966	3.42	123
1967	June 7, 1967	.55	13
1968	March 1968	--	<sup>a</sup> .5
1969	July 15, 1969	5.53	182
1970	May 4, 1970	1.11	28
1971	Feb. 14, 1971	1.49	<sup>a</sup> 40
1972	Feb. 28, 1972	--	40
1973	Mar. 1, 1973	<sup>b</sup> .65	<sup>a</sup> .5
1974	Jan. 15, 1974	--	<sup>a</sup> 2
1975	Mar. 19, 1975	2.03	58
1976	--	--	( <sup>c</sup> )
1977	June 10, 1977	1.40	38
1978	Mar. 20, 1978	1.34	37
1979	--	--	( <sup>c</sup> )
1980	June 14, 1980	.30	7

## 06307520 Canyon Creek near Birney, MT

Location.--Lat 45°14'28", long 106°40'32", in SW1/4 sec.11, T.7 S., R.41 E., Rosebud County, Hydrologic Unit 10090101, on county bridge, 11 mi (18 km) southwest of Birney.

Drainage area.--50.2 mi<sup>2</sup> (130 km<sup>2</sup>).

Records available.--1972, April 1973 to current year.

Gage.--Crest-stage gage installed Apr. 14, 1973. Altitude of gage is 3,230 ft (985 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	1.05	41
1973	--	-.34	4
1974	Feb. 16, 1974	.25	11
1975	June 18, 1975	1.76	100
1976	June 14, 1976	2.28	182
1977	June 10, 1977	.07	7
1978	May 18, 1978	.93	20
1979	Aug. 22, 1979	( <sup>f</sup> )	<sup>g</sup> 1.5
1980	June 14, 1980	2.93	300

## 06307620 Tie Creek near Birney, MT

Location.--Lat 45°28'21", long 106°31'33", in SW1/4 SE1/4 sec.22, T.4 S., R.42 E., Rosebud County, Hydrologic Unit 10090102, at bridge on State Highway 315, and 11 mi (18 km) north of Birney.

Drainage area.--18.7 mi<sup>2</sup> (48.4 km<sup>2</sup>).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 31, 1973. Altitude of gage is 3,470 ft (1,060 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	--	(c)
1974	Feb. 16, 1974	1.53	9
1975	Mar. 3, 1975	<sup>b</sup> 2.36	<sup>a</sup> 9
1976	Mar. 11, 1976	1.29	5
1977	July 6, 1977	1.31	6
1978	Mar. 27, 1978	1.62	11
1979	July 24, 1979	2.41	60
1980	June 15, 1980	2.22	37

## 06307700 Cow Creek near Fort Howes ranger station, near Otter, MT

Location.--Lat 45°17'20", long 106°09'14", in SW1/4 NW1/4 sec.30, T.6 S., R.46 E., Powder River County, Hydrologic Unit 10090102, at bridge on county road, 0.8 mi (1.3 km) south of Fort Howes ranger station, and 6.6 mi (10.6 km) north of Otter Creek Post Office.

Drainage area.--8.37 mi<sup>2</sup> (21.7 km<sup>2</sup>).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 21, 1973. Altitude of gage is 3,290 ft (1,003 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	2.39	43
1973	--	1.43	2
1974	July 3, 1974	1.78	20
1975	Apr. 14, 1975	2.00	16
1976	June 23, 1976	1.54	6
1977	July 10, 1977	2.17	20
1978	May 31, 1978	1.70	9
1979	July 25, 1979	1.45	5
1980	June 15, 1980	1.23	4

## 06307720 Brian Creek near Ashland, MT

Location.--Lat 45°24'37", long 106°09'07", in SW1/4 SW1/4 sec.11, T.5 S., R.45 E., Powder River County, Hydrologic Unit 10090102, at culvert on county road, 8.1 mi (13.0 km) north of Fort Howes ranger station, and 13.5 mi (22 km) south of Ashland.

Drainage area.--8.03 mi<sup>2</sup> (20.8 km<sup>2</sup>).

Records available.--August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 20, 1973. Altitude of gage is 3,140 ft (957 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	--	(c)
1974	--	--	(c)
1975	Mar. 1, 1975	3.75	93
1976	Sept. 15, 1976	(f)	1
1977	Mar. 29, 1977	.37	1
1978	Mar. 19, 1978	2.79	50
1979	--	--	(c)
1980	June 15, 1980	(f)	<sup>a</sup> 1

## 06307780 Stebbins Creek at mouth, near Ashland, MT

Location.--Lat 45°38'27", long 106°17'34", in NW1/4 sec.27, T.2 S., R.44 E., Rosebud County, Hydrologic Unit 10090102, at bridge on county road along west side of Tongue River, 3.6 road mi (5.8 km) north of U.S. Highway 212, 3.5 mi (5.6 km) northwest of Ashland.

Drainage area.--19.9 mi<sup>2</sup> (51.5 km<sup>2</sup>).

Records available.--April 1963 to current year.

Gage.--Crest-stage gage installed Apr. 24, 1963. Altitude of gage is 2,950 ft (899 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	June 15, 1963	2.44	75
1964	June 18, 1964	3.40	210
1965	Aug. 23, 1965	3.56	248
1966	Mar. 12, 1966	<sup>b</sup> 1.85	<sup>a</sup> 15
1967	July 7, 1967	2.44	75
1968	Aug. 23, 1968	2.80	110
1969	Mar. 19, 1969	4.45	570
1970	May 8, 1970	2.20	50
1971	Feb. 17, 1971	1.94	30
1972	Aug. 2, 1972	4.76	508
1973	Apr. 2, 1973	1.37	5
1974	Feb. 16, 1974	1.39	7
1975	Jan. 20, 1975	3.37	210
1976	Sept. 7, 1976	1.64	18
1977	July 10, 1977	4.40	550
1978	Mar. 19, 1978	3.72	292
1979	Mar. 16, 1979	<sup>b</sup> 3.03	<sup>a</sup> 75
1980	June 15, 1980	2.92	110

## 06307930 Jack Creek near Volborg, MT

Location.--Lat 46°04'55", long 105°51'08", in NE1/4 NW1/4 sec.26, T.4 N., R.47 E., Custer County, Hydrologic Unit 10090102, at bridge on State Highway 332, 19 mi (31 km) northwest of Volborg.

Drainage area.--5.47 mi<sup>2</sup> (14.2 km<sup>2</sup>).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 31, 1973. Altitude of gage is 2,630 ft (802 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	--	225
1974	June 21, 1974	2.60	220
1975	May 5, 1975	4.56	271
1976	June 15, 1976	2.82	225
1977	Aug. 27, 1977	3.98	260
1978	May 18, 1978	5.62	448
1979	Mar. 16, 1979	<sup>b</sup> 2.37	<sup>a</sup> 30
1980	June 19, 1980	3.54	185

## 06308100 Sixmile Creek tributary near Epsie, MT

Location.--Lat 45°31'27", long 105°45'10", in SW1/4 SW1/4 sec.36, T.3 S., R.48 E., Powder River County, Hydrologic Unit 10090102, at culvert on U.S. Highway 212, and 5.2 mi (8.4 km) northwest of Epsie.

Drainage area.--0.24 mi<sup>2</sup> (0.62 km<sup>2</sup>).

Records available.--1972, August 1973 to current year. Highwater mark at undetermined date prior to installation of gage.

Gage.--Crest-stage gage installed Aug. 21, 1973. Altitude of gage is 3,480 ft (1,061 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	7.82	not determined
1973	<sup>e</sup> June 18, 1973	3.18	74
1974	Apr. 20, 1974	3.13	70
1975	Mar. 3, 1975	<sup>b</sup> 2.50	5
1976	Jan. 18, 1976	2.05	2
1977	Mar. 29, 1977	1.68	1
1978	May 18, 1978	4.30	73
1979	July 25, 1979	5.07	175
1980	June 14, 1980	2.55	8

## 06308200 Basin Creek tributary near Volborg, MT

Location.--Lat 45°53'11", long 105°41'12", in NW1/4 sec.31, T.2 N., R.49 E., Custer County, Hydrologic Unit 10090102, at culvert on county road, 3.5 mi (5.6 km) north of Volborg.

Drainage area.--0.14 mi<sup>2</sup> (0.36 km<sup>2</sup>).

Records available.--July 1955 to current year.

Gage.--Crest-stage gage installed July 23, 1955. Altitude of gage is 2,900 ft (884 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1955	July 29, 1955	0.24	20
1956	--	--	(c)
1957	--	--	(c)
1958	July 2, 1958	6.96	390
1959	March 1959	--	<sup>a</sup> 2
1960	Mar. 21, 1960	.97	12
1961	--	--	(c)
1962	June 17, 1962	2.76	36
1963	June 22, 1963	9.38	94
1964	June 18, 1964	1.07	14
1965	Apr. 1, 1965	1.41	18
1966	July 29, 1966	3.11	41
1967	June 14, 1967	8.10	85
1968	June 20, 1968	1.93	24
1969	May 21, 1969	1.06	13
1970	March 1970	1.15	14
1971	June 16, 1971	2.37	29
1972	Mar. 6, 1972	<sup>b</sup> 5.79	5
1973	--	--	(c)
1974	--	--	(c)
1975	May 5, 1975	.83	10
1976	Feb. 1, 1976	1.13	14
1977	Jan. 19, 1977	1.53	18
1978	Mar. 19, 1978	1.46	18
1979	--	--	(c)
1980	June 15, 1980	(f)	<sup>a</sup> 2



## 06308330 Deer Creek tributary near Volborg, MT

Location.--Lat 46°02'04", long 105°31'15", in extreme southwest corner of sec.4, T.3 N., R.50 E., Custer County, Hydrologic Unit 10090102, at culvert on county road, 3 mi (5 km) east of U.S. Highway 312, and 16 mi (26 km) northeast of Volborg.

Drainage area.--1.65 mi<sup>2</sup> (4.27 km<sup>2</sup>).

Records available.--November 1973 to current year.

Gage.--Crest-stage gage installed Nov. 1, 1973. Altitude of gage is 2,780 ft (847 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	11.55	1,170
1974	May 30, 1974	2.90	32
1975	May 5, 1975	5.15	111
1976	June 7, 1976	4.80	96
1977	Mar. 27, 1977	2.29	18
1978	May 18, 1978	4.26	75
1979	Apr. 11, 1979	1.42	3
1980	Mar. 23, 1980	1.06	2

## 06308340 La Grange Creek near Volborg, MT

Location.--Lat 46°06'17", long 105°33'20", in NE1/4 NW1/4 sec.18, T.4 N., R.50 E., Custer County, Hydrologic Unit 10090102, at culvert near mile post 27 on U.S. Highway 312, and 19 mi (31 km) north of Volborg.

Drainage area.--3.66 mi<sup>2</sup> (9.48 km<sup>2</sup>).

Records available.--August 1973 to current year.

Gage.--Crest-stage gages installed Aug. 23, 1973. Altitude of gages are 2,660 ft (811 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	Sept. 3, 1973	3.40	79
1974	May 6, 1974	2.33	37
1975	May 6, 1975	7.62	378
1976	May 5, 1976	2.15	28
1977	Mar. 29, 1977	1.62	15
1978	May 18, 1978	5.17	182
1979	Mar. 14, 1979	b3.48	a 55
1980	June 15, 1980	2.66	35

## 06309060 North Sunday Creek tributary No. 2 near Angela, MT

Location.--Lat 46°34'00", long 106°03'51", in NE1/4 sec.4, T.9 N., R.45 E., Custer County, Hydrologic Unit 10100001, at culvert on State Highway 22, 14.1 road mi (22.7 km) northwest of Yellowstone River bridge at Miles City, 15 mi (24.1 km) northwest of Miles City, and 13 mi (20.9 km) south-east of Angela.

Drainage area.--0.22 mi<sup>2</sup> (0.88 km<sup>2</sup>).

Records available.--June 1962 to current year.

Gage.--Crest-stage gage installed May 17, 1963. Altitude of gage is 2,680 ft (817 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	<sup>e</sup> June 1, 1962	2.42	45
1963	June 3, 1963	5.20	158
1964	June 18, 1964	1.47	19
1965	July 11, 1965	4.89	144
1966	Mar. 19, 1966	4.56	130
1967	June 13, 1967	2.77	56
1968	June 9, 1968	1.76	26
1969	July 7, 1969	7.94	320
1970	July 17, 1970	1.75	26
1971	Mar. 31, 1971	2.00	32
1972	Mar. 15, 1972	<sup>b</sup> 5.17	29
1973	Apr. 20, 1973	1.48	20
1974	May 20, 1974	2.96	60
1975	Aug. 14, 1975	3.31	74
1976	July 10, 1976	1.93	30
1977	June 14, 1977	<sup>b</sup> 1.14	3
1978	May 18, 1978	2.83	<sup>a</sup> 58
1979	May 6, 1979	1.28	16
1980	June 15, 1980	4.31	115

## 06309078 Tree Coulee near Kinsey, MT

Location.--Lat 46°33'17", long 105°47'48", in NE1/4 NW1/4 sec.10, T.9 N., R.47 E., Custer County, Hydrologic Unit 10100001, at culvert on county road, 5.3 mi (8.5 km) north of road to Kinsey, 6.5 mi (10.5 km) west of Kinsey, and 10.9 mi (18 km) northeast of State Highway at Miles City.

Drainage area.--4.13 mi<sup>2</sup> (10.7 km<sup>2</sup>).

Records available.--1972, August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 16, 1974. Altitude of gage is 2,425 ft (739 m), from topographic map.

## 06309078 Tree Coulee near Kinsey, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	8.73	1,630
1973	--	2.29	12
1974	May 6, 1975	8.27	1,040
1975	June 14, 1976	6.85	300
1977	Sept. 30, 1977	3.11	30
1978	May 19, 1978	8.04	860
1979	Mar. 15, 1979	2.48	20
1980	June 15, 1980	2.51	16

## 06309080 Deep Creek near Kinsey, MT

Location.--Lat 46°33'25", long 105°37'12", in SE1/4 SE1/4 sec.1, T.9 N., R.48 E., Custer County, Hydrologic Unit 10100001, at culvert on Interstate Highway 94 and U.S. Highway 10, 3.1 mi (5.0 km) southwest of Shirley railroad station, 2 mi (3.2 km) southeast of Kinsey, and 13 mi (20.9 km) northeast of Miles City.

Drainage area.--11.5 mi<sup>2</sup> (29.8 km<sup>2</sup>).

Records available.--July 1962 to current year.

Gage.--Crest-stage gage installed May 16, 1963. Altitude of gage is 2,320 ft (707 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	<sup>e</sup> July 14, 1962	7.80	828
1963	June 5, 1963	16.77	2,420
1964	Aug. 29, 1964	13.83	1,830
1965	July 11, 1965	10.79	1,300
1966	June 3, 1966	3.61	260
1967	June 12, 1967	3.93	300
1968	June 9, 1968	6.90	700
1969	Apr. 26, 1969	5.91	550
1970	July 14, 1970	5.89	550
1971	June 9, 1971	3.02	200
1972	June 9, 1972	16.78	2,430
1973	Apr. 20, 1973	10.70	1,300
1974	May 29, 1974	3.58	250
1975	May 5, 1975	7.45	760
1976	July 8, 1976	3.68	250
1977	Feb. 18, 1977	(f)	1
1978	Mar. 21, 1978	6.48	650
1979	July 25, 1979	(f)	<sup>a</sup> 30
1980	July 13, 1980	1.46	54

## 06324700 Sand Creek near Broadus, MT

Location.--Lat 45°25'48", long 105°26'28", in SE1/4 sec.5, T.5 S., R.51 E., Powder River County, Hydrologic Unit 10090207, at culverts on Moorhead road, 1.8 mi (2.9 km) southwest of Broadus.

Drainage area.--10.2 mi<sup>2</sup> (27.5 km<sup>2</sup>).

Records available.--July 1955 to current year.

Gage.--Crest-stage gage installed July 22, 1955. Altitude of gage is 3,090 ft (942 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1955	--	--	(c)
1956	Mar. 16, 1956	1.75	19
1957	Aug. 28, 1957	1.55	15
1958	June 7, 1958	3.95	93
1959	Mar. 18, 1959	4.78	252
1960	Mar. 20, 1960	<sup>b</sup> 4.79	<sup>a</sup> 150
1961	--	--	(c)
1962	June 11, 1962	2.85	50
1963	Feb. 5, 1963	2.00	23
1964	June 8, 1964	1.58	13
1965	Apr. 1, 1965	2.96	53
1966	July 29, 1966	1.27	7
1967	June 14, 1967	1.50	12
1968	Feb. 29, 1968	<sup>b</sup> 1.96	<sup>a</sup> 5
1969	Mar. 17, 1969	--	<sup>a</sup> 120
1970	June 12, 1970	.50	1
1971	Feb. 14, 1971	<sup>b</sup> 4.71	<sup>a</sup> 55
1972	June 9, 1972	5.39	715
1973	Sept. 2, 1973	1.03	3
1974	July 3, 1974	1.77	20
1975	Jan. 20, 1975	4.25	106
1976	Jan. 28, 1976	1.97	23
1977	June 12, 1977	2.47	32
1978	Mar. 20, 1978	<sup>b</sup> 4.46	<sup>a</sup> 80
1979	July 25, 1979	1.60	13
1980	--	--	(c)

## 06324995 Badger Creek at Biddle, MT

Location.--Lat 45°05'46", long 105°20'17", in SW1/4 NW1/4 sec.34, T.8 S., R.52 E., Powder River County, Hydrologic Unit 10090208, at culvert on State Highway 59, 0.2 mi (0.3 km) south of Biddle.

Drainage area.--6.06 mi<sup>2</sup> (15.7 km<sup>2</sup>).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 21, 1973. Altitude of gage is 3,310 ft (1,010 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	4.89	185
1973	--	.73	8
1974	--	--	(c)
1975	Jan. 23, 1975	1.80	34
1976	June 23, 1976	7.97	414
1977	Sept. 30, 1977	1.43	19
1978	Mar. 20, 1978	2.98	75
1979	Mar. 16, 1979	1.68	15
1980	Feb. 27, 1980	1.53	9

## 06325400 East Fork Little Powder River tributary near Hammond, MT

Location.--Lat 45°18'04", long 105°05'50", in NW1/4 SE1/4 sec.22, T.6 S., R.54 E., Powder River County, Hydrologic Unit 10090208, at culvert on State Highway 212, 4.0 mi (6.4 km) northwest of Boyes, 10 mi (16 km) northwest of Hammond, 18 mi (29 km) southeast of Broadus.

Drainage area.--3.45 mi<sup>2</sup> (8.94 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 18, 1974. Altitude of gage is 3,250 ft (991 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.19	51
1975	Mar. 5, 1975	<sup>b</sup> 6.31	2
1976	June 23, 1976	6.18	155
1977	June 12, 1977	5.38	35
1978	June 25, 1978	7.03	140
1979	Mar. 16, 1979	<sup>b</sup> 7.12	<sup>a</sup> 30
1980	June 1, 1980	6.00	48

## 06325700 Powder River tributary near Powderville, MT

Location.--Lat 45°48'46", long 105°03'51", in NE1/4 NE1/4 sec.25, T.1 N., R.53 E., Custer County, Hydrologic Unit 10090209, at culvert on county road, 2 mi (3.0 km) north of Custer-Powder River county line and 4.5 mi (7.2 km) north of Powderville.

Drainage area.--3.20 mi<sup>2</sup> (8.29 km<sup>2</sup>).

Records available.--November 1973 to current year.

Gage.--Crest-stage gage installed Nov. 1, 1973. Altitude of gage is 2,850 ft (869 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	16.91	480
1974	July 3, 1974	3.22	52
1975	May 5, 1975	5.57	180
1976	June 14, 1976	3.30	55
1977	June 8, 1977	3.87	76
1978	Oct. 7, 1978	2.90	40
1979	Apr. 12, 1979	2.31	22
1980	Mar. 15, 1980	2.29	22

## 06325950 Cut Coulee near Mizpah, MT

Location.--Lat 46°08'38", long 105°10'05", in NE1/4 SW1/4 sec.36, T.5 N., R.52 E., Custer County, Hydrologic Unit 10090209, at culvert on county road, 8.5 mi (13.7 km) southeast of Mizpah.

Drainage area.--2.23 mi<sup>2</sup> (5.77 km<sup>2</sup>).

Records available.--November 1973 to current year.

Gage.--Crest-stage gage installed Nov. 1, 1973. Altitude of gage is 2,670 ft (814 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	7.95	252
1974	May 30, 1974	4.77	125
1975	May 3, 1975	8.45	272
1976	Sept. 14, 1976	4.18	105
1977	Aug. 6, 1977	3.92	92
1978	May 18, 1978	4.17	103
1979	Mar. 16, 1979	<sup>b</sup> 2.45	<sup>a</sup> 20
1980	Aug. 16, 1980	4.29	108

## 06326510 Locate Creek tributary near Locate, MT

Location.-- Lat 46°25'52", long 105°10'51", in SW1/4 SE1/4 sec.23, T.8 N., R.52 E., Custer County, Hydrologic Unit 10090209, at culvert on U.S. Highway 12, 5.5 mi (8.9 km) east of Locate, 6.4 road mi (10.3 km) east of Locate and 6.5 mi (10.5 km) east of Powder River bridge.

Drainage area.--0.91 mi<sup>2</sup> (2.36 km<sup>2</sup>).

Records available.--1973, May 1974 to current year.

Gage.--Crest-stage gage installed Aug. 16, 1974. Altitude of gage is 2,660 ft (811 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	2.41	22
1974	<sup>e</sup> May 30, 1974	1.47	8
1975	May 5, 1975	2.90	31
1976	Aug. 5, 1976	5.31	103
1977	Feb. 16, 1977	.80	1
1978	July 19, 1978	6.00	130
1979	--	--	( <sub>c</sub> )
1980	Aug. 15, 1980	( <sub>f</sub> )	<sup>a</sup> 2

## 06326550 Cherry Creek tributary near Terry, MT

Location.--Lat 46°51'18", long 105°20'26", in NE1/4 SW1/4 sec.25, T.13 N., R.50 E., Prairie County, Hydrologic Unit 10100004, on bridge on abandoned part of State Highway 253, 4.8 mi (7.7 km) north of Terry.

Drainage area.--2.52 mi<sup>2</sup> (6.53 km<sup>2</sup>).

Records available.--September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 6, 1973. Altitude of gage is 2,340 ft (713 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	3.05	72
1974	May 28, 1974	2.49	10
1975	May 6, 1975	3.05	72
1976	Aug. 4, 1976	3.27	81
1977	Sept. 2, 1977	2.61	53
1978	May 30, 1978	4.97	466
1979	Mar. 16, 1979	<sup>b</sup> 4.67	unknown
1980	June 13, 1980	4.10	175

## 06326580 Lame Jones Creek tributary near Willard, MT

Location.--Lat 46°11'40", long 104°33'05", in SE1/4 SE1/4 sec.11, T.5 N., R.57 E., Fallon County, Hydrologic Unit 10100005, at culvert on county road, 8.8 mi (14.2 km) west of Willard, 1.1 mi (1.8 km) east of Lame Jones School.

Drainage area.--0.49 mi<sup>2</sup> (1.27 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 18, 1974. Altitude of gage is 2,825 ft (861 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.76	28
1975	Mar. 6, 1975	(f)	1
1976	--	--	(c)
1977	--	--	(c)
1978	Mar. 26, 1978	1.54	4
1979	May 6, 1979	1.21	2
1980	--	--	(c)

## 06326600 O'Fallon Creek near Ismay, MT

Location.--Lat 46°25'17", long 104°45'40", near center of east edge of sec.30, T.8 N., R.56 E., Fallon County, Hydrologic Unit 10100005, at bridge on U.S. Highway 12, 11.5 mi (18.5 km) west of Plevna, 1 mi (1.6 km) east of road to Ismay, and 6.5 mi (10.5 km) southeast of Ismay.

Drainage area.--669 mi<sup>2</sup> (1,733 km<sup>2</sup>).

Records available.--July 1962 to current year.

Gage.--Crest-stage gage installed Apr. 26, 1963. Altitude of gage is 2,590 ft (789 m), from topographic map.



## 06326600 O'Fallon Creek near Ismay, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	<sup>e</sup> July 14, 1962	7.23	2,480
1963	June 7, 1963	4.12	950
1964	June 18, 1964	4.20	980
1965	July 12, 1965	7.27	2,500
1966	July 26, 1966	5.07	1,370
1967	June 6, 1967	5.62	1,640
1968	Aug. 23, 1968	1.71	240
1969	Mar. 20, 1969	7.12	2,440
1970	May 8, 1970	2.61	440
1971	Mar. 13, 1971	5.19	1,425
1972	Mar. 6, 1972	8.87	4,100
1973	Sept. 2, 1973	4.36	1,100
1974	May 30, 1974	3.61	750
1975	May 6, 1975	3.86	850
1976	July 3, 1976	9.50	4,700
1977	Apr. 10, 1977	1.20	75
1978	Mar. 22, 1978	<sup>b</sup> 8.19	<sup>a</sup> 3,100
1979	Apr. 15, 1979	3.96	298
1980	Aug. 17, 1980	( <sup>f</sup> )	32

## 06326800 Pennel Creek near Baker, MT

Location.--Lat 46°29'57", long 104°14'17", in center of south edge of sec.36, T.9 N., R.59 E., Fallon County, Hydrologic Unit 10100005, at culvert on State Highway 7, 7.8 mi (12.6 km) north of U.S. Highway 12 in Baker, and 8 mi (12.9 km) north of Baker.

Drainage area.--1.00 mi<sup>2</sup> (2.59 km<sup>2</sup>).

Records available.--July 1962 to current year.

Gage.--Crest-stage gage installed Apr. 25, 1963. Altitude of gage is 3,090 ft (942 m), from topographic map.

## 06326800 Pennel Creek near Baker, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	<sup>e</sup> July 7, 1962	6.0	240
1963	June 5, 1963	8.51	350
1964	June 18, 1964	1.94	85
1965	Apr. 9, 1965	1.98	88
1966	June 4, 1966	2.28	97
1967	June 14, 1967	1.94	40
1968	Aug. 23, 1968	1.45	30
1969	June 27, 1969	1.60	35
1970	July 14, 1970	2.10	50
1971	Apr. 6, 1971	2.90	45
1972	June 24, 1972	2.35	30
1973	Sept. 2, 1973	2.28	27
1974	May 30, 1974	2.10	25
1975	May 6, 1975	2.61	38
1976	July 3, 1976	2.39	33
1977	Sept. 7, 1977	2.41	33
1978	May 7, 1978	2.83	45
1979	June 20, 1979	2.32	30
1980	Aug. 17, 1980	1.74	10

## 06326940 Spring Creek tributary near Fallon, MT

Location.--Lat 46°48'06", long 104°59'25", in NE1/4 NE1/4 sec.13, T.12 N., R.53 E., Prairie County, Hydrologic Unit 10100004, at culvert on county road, 6.8 mi (10.9 km) southeast of Fallon.

Drainage area.--3.10 mi<sup>2</sup> (8.03 km<sup>2</sup>).

Records available.--1972, September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 6, 1973. Altitude of gage is 2,470 ft (753 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	8.93	303
1973	--	3.06	40
1974	--	--	(c)
1975	May 6, 1975	1.63	7
1976	July 3, 1976	5.15	125
1977	June 14, 1977	2.83	34
1978	Mar. 21, 1978	<sup>b</sup> 5.89	<sup>a</sup> 20
1979	Mar. 16, 1979	2.80	36
1980	Aug. 16, 1980	1.13	1

## 06326950 Yellowstone River tributary No. 5 near Marsh, MT

Location.--Lat 46°57'11", long 104°53'53", in SW1/4 sec.21, T.14 N., R.54 E., Dawson County, Hydrologic Unit 1010004, at culvert on Interstate Highway 94 and U.S. Highway 10, 2.4 mi (3.9 km) northeast of Cracker Box Creek, 2.5 mi (4.0 km) southwest of Clear Creek, and 5 mi (8.0 km) northeast of Marsh.

Drainage area.--0.87 mi<sup>2</sup> (2.25 km<sup>2</sup>).

Records available.--July 1962 to current year.

Gage.--Crest-stage gage installed May 17, 1963. Altitude of gage is 2,300 ft (701 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	<sup>e</sup> July 14, 1962	2.97	127
1963	June 6, 1963	1.40	12
1964	June 8, 1964	.70	2
1965	Apr. 1, 1965	<sup>b</sup> 2.81	<sup>a</sup> 10
1966	June 4, 1966	1.68	<sup>a</sup> 20
1967	May 13, 1967	.66	2
1968	--	--	(c)
1969	Mar. 18, 1969	<sup>b</sup> 3.31	<sup>a</sup> 30
1970	--	--	(c)
1971	Mar. 31, 1971	1.92	34
1972	Mar. 11, 1972	<sup>b</sup> 2.90	15
1973	--	--	unknown
1974	July 3, 1974	9.64	267
1975	May 6, 1975	2.57	36
1976	Feb. 17, 1976	2.51	35
1977	June 14, 1977	7.92	202
1978	Mar. 21, 1978	<sup>b</sup> 4.67	<sup>a</sup> 50
1979	Mar. 24, 1979	<sup>b</sup> 3.66	<sup>a</sup> 5
1980	June 13, 1980	6.70	195

## 06326960 Timber Fork Creek tributary near Lindsay, MT

Location.--Lat 47°10'55", long 105°10'16", in SW1/4 SW1/4 sec.36, T.17 N., R.51 E., Dawson County, Hydrologic Unit 10100004, at culvert on county road, 3.3 mi (5.3 km) southwest of Lindsay.

Drainage area.--1.23 mi<sup>2</sup> (3.19 km<sup>2</sup>).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 28, 1974. Altitude of gage is 2,725 ft (830 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	0.96	2
1975	May 6, 1975	1.70	13
1976	Mar. 18, 1976	1.24	6
1977	Apr. 7, 1977	1.38	1
1978	Mar. 25, 1978	2.72	35
1979	Apr. 16, 1979	1.43	9
1980	Aug. 16, 1980	1.28	6

## 06327550 South Fork Horse Creek tributary near Wibaux, MT

Location.--Lat 46°48'09", long 104°22'55", in SW1/4 SE1/4 sec.11, T.12 N., R.58 E., Wibaux County, Hydrologic Unit 10100004, at culvert on county road, 7.5 mi (12.1 km) west of State Highway 7, 16.0 mi (25.7 km) southwest of Wibaux.

Drainage area.--1.73 mi<sup>2</sup> (4.48 km<sup>2</sup>).

Records available.--1973, August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 17, 1974. Altitude of gage is 2,825 ft (861 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	6.23	169
1974	--	--	(c)
1975	Mar. 20, 1975	2.90	36
1976	Apr. 16, 1976	3.62	63
1977	--	--	(c)
1978	July 4, 1978	3.66	65
1979	Apr. 9, 1979	2.55	9
1980	--	--	(c)

## 06327720 Griffith Creek tributary near Glendive, MT

Location.--Lat 47°06'20", long 104°35'48", in NE1/4 NW1/4 sec.35, T.16 N., R.56 E., Dawson County, Hydrologic Unit 10100004, at culvert on U.S. Interstate Highway 94, 5 mi (8 km) east of Glendive.

Drainage area.--3.48 mi<sup>2</sup> (9.01 km<sup>2</sup>).

Records available.--1965, June 1974 to current year.

Gage.--Crest-stage gage installed June 27, 1974. Altitude of gage is 2,180 ft (664 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1965	--	15.28	1,070
1974	Aug. 8, 1974	1.57	2
1975	May 6, 1975	2.70	17
1976	July 2, 1976	6.01	190
1977	Sept. 8, 1977	1.70	3
1978	Mar. 22, 1978	3.08	27
1979	July 10, 1979	1.65	2
1980	June 6, 1980	4.73	104

## 06327790 Krug Creek tributary No. 2 near Wibaux, MT

Location.--Lat 47°00'23", long 104°18'13", in NW1/4 NW1/4 sec.6, T.14 N., R.59 E., Wibaux County, Hydrologic Unit 10100004, at culvert on county road at Interstate Highway 94 interchange, 5.5 mi (8.9 km) west of Wibaux.

Drainage area.--0.49 mi<sup>2</sup> (1.27 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 17, 1974. Altitude of gage is 2,825 ft (861 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	0.86	1
1975	May 6, 1975	2.03	14
1976	Feb. 9, 1976	2.18	16
1977	--	--	(c)
1978	June 29, 1978	1.98	13
1979	Apr. 17, 1979	<sup>b</sup> 2.36	<sup>a</sup> 12
1980	--	--	(c)

## 06328100 Yellowstone River tributary No. 6 near Glendive, MT

Location.--Lat 47°09'26", long 104°39'14", in NW1/4 SW1/4 sec.8, T.16 N., R.56 E., Dawson County, Hydrologic Unit 10100004, at bridge on county road to Belle Prairie, and 3 mi (4.8 km) northeast of Glendive.

Drainage area.--2.93 mi<sup>2</sup> (7.59 km<sup>2</sup>).

Records available.--June 1974 to current year.

Gage.--Crest-stage gages installed June 27, 1974. Altitude of gages are 1,950 ft (594 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	Aug. 8, 1974	1.35	17 (revised)
1975	Apr. 14, 1975	1.18	3
1976	June 7, 1976	3.03 (revised)	135
1977	Sept. 8, 1977	.97	1
1978	Mar. 25, 1978	1.19	4
1979	July 10, 1979	1.51	25 (revised)
1980	June 6, 1980	2.70	108

## 06328400 Thirteenmile Creek tributary near Bloomfield, MT

Location.--Lat 47°24'46", long 104°49'58", in SE1/4 SE1/4 sec.9, T.19 N., R.54 E., Dawson County, Hydrologic Unit 10100004, at culvert on county road, 3.9 mi (6.3 km) east of Bloomfield.

Drainage area.--0.67 mi<sup>2</sup> (1.74 km<sup>2</sup>).

Records available.--1972, August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 18, 1974. Altitude of gage is 2,525 ft (770 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	4.70	110
1974	<sup>e</sup> Aug. 8, 1974	2.00	36
1975	Apr. 14, 1975	2.52	46
1976	July 2, 1976	3.03	59
1977	--	--	(c)
1978	--	--	(c)
1979	Apr. 7, 1979	3.10	62
1980	--	--	(c)

## 06329350 Alkali Creek tributary near Sidney, MT

Location.--Lat 47°30'34", long 104°07'03", in SW1/4 NE1/4 sec.7, T.20 N., R.60 E., Richland County, Hydrologic Unit 10100004, at culvert on county road, 7.7 mi (12.4 km) south of O'Brien Creek, 12.8 mi (20.6 km) south of State Highway 23, 14.8 mi (23.8 km) southeast of junction to State Highway 23 and State Highway 16, 14.2 mi (22.8 km) southeast of Sidney.

Drainage area.--0.49 mi<sup>2</sup> (1.23 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage installed Aug. 17, 1974. Altitude of gage is 2,260 ft (689 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	<sup>e</sup> Aug. 10, 1974	1.45	9
1975	Aug. 7, 1975	1.55	11
1976	Feb. 15, 1976	2.14	22
1977	Feb. 20, 1977	1.61	12
1978	Mar. 20, 1978	<sup>b</sup> 5.97	<sup>a</sup> 30
1979	Apr. 17, 1979	<sup>b</sup> 2.36	<sup>a</sup> 26
1980	Mar. 17, 1980	1.09	4

## 06329510 Fox Creek tributary near Lambert, MT

Location.--Lat 47°38'58", long 104°36'52", in NW1/4 SW1/4 sec.24, T.22 N., R.55 E., Richland County, Hydrologic Unit 10100004, at bridge on county road, 2.4 road mi (3.9 km) south of Lambert and 2.2 mi (3.5 km) south of Lambert.

Drainage area.--5.01 mi<sup>2</sup> (13.1 km<sup>2</sup>).

Records available.--1972, June 1974 to current year.

Gage.--Crest-stage gage installed Aug. 17, 1974. Altitude of gage is 2,375 ft (724 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	5.18	59
1974	<sup>e</sup> June 21, 1974	2.52	2
1975	May 6, 1975	3.21	7
1976	Feb. 16, 1976	--	3
1977	June 12, 1977	2.48	1
1978	Sept. 12, 1978	7.06	390
1979	Apr. 10, 1979	3.41	12
1980	--	--	(c)

## 06329570 First Hay Creek near Sidney, MT

Location.--Lat 47°50'08", long 104°16'16", in SE1/4 sec.16, T.24 N., R.58 E., Richland County, Hydrologic Unit 10100004, at bridge on State Highway 16, 4.1 road mi (6.6 km) north of "Dryland Crop and Soils Research Station" sign, and 10 mi (16.1 km) northwest of Sidney.

Drainage area.--29.1 mi<sup>2</sup> (75.4 km<sup>2</sup>).

Records available.--May 1963 to current year.

Gage.--Crest-stage gage installed May 20, 1963. Altitude of gage is 2,170 ft (661 m), from topographic map.

## 06329570 First Hay Creek near Sidney, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	Aug. 23, 1963	1.02	20
1964	July 5, 1964	.90	15
1965	Apr. 8, 1965	--	<sup>a</sup> 100
1966	March 1966	2.15	120
1967	March 1967	2.10	115
1968	Feb. 29, 1968	.70	10
1969	April 1969	1.38	45
1970	June 12, 1970	.73	10
1971	Mar. 27, 1971	2.40	160
1972	Mar. 11, 1972	2.32	325
1973	Mar. 11, 1973	.83	13
1974	May 13, 1974	.60	6
1975	Apr. 23, 1975	2.15	260
1976	June 14, 1976	2.93	700
1977	Mar. 29, 1977	.68	10
1978	Mar. 25, 1978	.54	5
1979	Apr. 18, 1979	3.50	950
1980	--	--	(c)

## 06334100 Wolf Creek near Hammond, MT

Location.--Lat 45°09'53", long 104°45'20", in SE1/4 sec.5, T.8 S., R.57 E., Carter County, Hydrologic Unit 10110201, at culvert on U.S. Highway 212, 8 mi (12.9 km) southeast of Hammond.

Drainage area.--9.09 mi<sup>2</sup> (23.5 km<sup>2</sup>).

Records available.--July 1955 to current year.

Gage.--Crest-stage gage installed July 22, 1955. Altitude of gage is 3,590 ft (1,090 m), from topographic map.



## 06334100 Wolf Creek near Hammond, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1955	<sup>e</sup> July 11, 1955	4.08	298
1956	Mar. 22, 1956	3.45	175
1957	Aug. 29, 1957	4.58	365
1958	June 3, 1958	5.76	550
1959	Mar. 19, 1959	3.32	154
1960	Mar. 21, 1960	5.26	485
1961	Sept. 18, 1961	2.31	30
1962	May 21, 1962	5.62	540
1963	Aug. 3, 1963	3.54	190
1964	June 22, 1964	3.85	240
1965	Aug. 22, 1965	12.38	1,170
1966	July 28, 1966	5.66	555
1967	June 14, 1967	9.94	1,100
1968	Feb. 29, 1968	<sup>b</sup> 4.02	<sup>a</sup> 260
1969	Apr. 26, 1969	4.00	270
1970	June 12, 1970	3.65	210
1971	June 11, 1971	5.83	590
1972	Mar. 5, 1972	<sup>b</sup> 3.50	<sup>a</sup> 50
1973	June 18, 1973	3.15	120
1974	Jan. 17, 1974	2.48	40
1975	Apr. 20, 1975	3.84	240
1976	June 14, 1976	5.54	535
1977	Apr. 9, 1977	4.12	285
1978	May 18, 1978	3.93	275
1979	July 25, 1979	2.69	60
1980	Aug. 16, 1980	1.59	3

## 06334330 Little Missouri River tributary near Albion, MT

Location.--Lat 45°12'42", long 104°15'41", in SW1/4 NW1/4 sec. 21, T.7 S., R. 61 E., Carter County, Hydrologic Unit 10110201, at culvert on FAS Highway 270, and 1.8 mi (2.9 km) north of Albion.

Drainage area.--0.74 mi<sup>2</sup> (1.92 km<sup>2</sup>).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 22, 1973. Altitude of gage is 3,290 ft (1,003 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	4.50	57
1973	--	1.86	8
1974	Jan. 16, 1974	1.47	4
1975	Mar. 25, 1975	2.41	15
1976	Feb. 14, 1976	1.55	2
1977	--	--	(c)
1978	Mar. 22, 1978	2.42	15
1979	July 25, 1979	1.62	2
1980	--	--	(c)

## 06334610 Box Elder Creek tributary near Albion, MT

Location.--Lat 45°23'20", long 104°28'38", in SE1/4 sec.19, T.5 S., R.59 E., Carter County, Hydrologic Unit 10110202, at culvert on State Highway 323, 17 mi (27 km) northwest of Albion.

Drainage area.--0.73 mi<sup>2</sup> (1.89 km<sup>2</sup>).

Records available.--August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 22, 1973. Altitude of gage is 3,480 ft (1,061 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	2.13	16
1974	May 20, 1974	3.30	23
1975	June 26, 1975	6.00	63
1976	June 14, 1976	4.76	50
1977	June 19, 1977	6.17	66
1978	May 20, 1978	5.84	62
1979	July 25, 1979	2.74	12
1980	--	--	(c)

## 06334625 Coal Creek near Mill Iron, MT

Location.--Lat 45°54'15", long 104°21'42", in NW1/4 SW1/4 sec.26, T.2 N., R.59 E., Carter County, Hydrologic Unit 10110202, at culvert on county road, 8 mi (13 km) northwest of Mill Iron, 8.5 mi (13.7 km) east of State Highway 7, 9.0 mi (14.5 km) east of Ekalaka.

Drainage area.--0.74 mi<sup>2</sup> (1.92 km<sup>2</sup>).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 18, 1974. Altitude of gage is 3,350 ft (1,021 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	2.22	14
1975	Apr. 16, 1975	(f)	1
1976	June 23, 1976	(f)	1
1977	--	--	(c)
1978	Mar. 27, 1978	1.75	7
1979	Mar. 15, 1979	<sup>b</sup> 3.35	<sup>a</sup> 35
1980	Apr. 16, 1980	1.62	4

## 06334720 Soda Creek tributary near Webster, MT

Location.--Lat 46°00'34", long 104°05'30", in NE1/4 sec.23, T.3 N., R.61 E., Fallon County, Hydrologic Unit 10110202, at culvert on county road, 0.3 mi (0.5 km) south of Soda Creek, and 8 mi (12.9 km) southeast of Webster.

Drainage area.--2.22 mi<sup>2</sup> (5.75 km<sup>2</sup>).

Records available.--May 1962 to current year.

Gage.--Crest-stage gage installed Apr. 26, 1963. Altitude of gage is 3,100 ft (945 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1962	<sup>e</sup> May 22, 1962	5.19	106
1963	July 10, 1963	1.57	12
1964	Aug. 29, 1964	2.55	28
1965	July 5, 1965	1.05	7
1966	Mar. 14, 1966	1.00	9
1967	June 14, 1967	1.7	12
1968	July 17, 1968	.79	5
1969	Mar. 19, 1969	4.59	75
1970	June 12, 1970	--	<sup>a</sup> 1
1971	June 16, 1971	2.50	30
1972	June 24, 1972	3.52	46
1973	Mar. 12, 1973	1.11	4
1974	Jan. 17, 1974	1.14	4
1975	June 26, 1975	1.45	9
1976	Feb. 26, 1976	1.36	5
1977	--	--	(c)
1978	Mar. 27, 1978	4.67	84
1979	--	--	(c)
1980	Mar. 23, 1980	1.14	2

COLUMBIA RIVER BASIN

12300400 Cayuse Creek near Trego, MT

Location.--Lat 48°36'33", long 115°01'42", in SW1/4 SW1/4 NE1/4 sec.24, T.33 N., R.27 W., Lincoln County, Hydrologic Unit 17010101, at culvert on U.S. Forest Service road, 9.8 mi (15.8 km) southwest of Trego.

Drainage area.--5.29 mi<sup>2</sup> (13.7 km<sup>2</sup>).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 8, 1973. Altitude of gage is 3,890 ft (1,190 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	3.70	80
1973	--	2.16	30
1974	Jan. 15, 1974	2.55	187
1975	May 16, 1975	1.34	75
1976	Apr. 12, 1976	1.49	82
1977	May 14, 1977	(f)	<sup>a</sup> 5
1978	Mar. 31, 1978	(f)	<sup>a</sup> 15
1979	May 6, 1979	.93	41
1980	Apr. 29, 1980	1.15	59

12300800 Deep Creek near Fortine, MT

Location.--Lat 48°45'41", long 114°52'32", in SW1/4 sec.30, T.35 N., R.25 W., Lincoln County, Hydrologic Unit 17010101, at culvert on county road, 1.2 mi (1.9 km) east of Fortine.

Drainage area.--18.9 mi<sup>2</sup> (49.0 km<sup>2</sup>).

Records available.--July 1959 to current year.

Gage.--Crest-stage gage installed July 1, 1959. Altitude of gage is 3,000 ft (914 m), from topographic map.

## 12300800 Deep Creek near Fortine, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1959	--	2.8	150
1960	June 6, 1960	2.67	138
1961	May 31, 1961	2.92	161
1962	May 28, 1962	1.75	82
1963	June 22, 1963	2.26	108
1964	June 8, 1964	4.90	310
1965	May 28, 1965	3.28	180
1966	May 4, 1966	4.20	208
1967	May 24, 1967	3.06	140
1968	May 24, 1968	2.12	92
1969	May 30, 1969	3.40	160
1970	June 16, 1970	3.52	166
1971	May 4, 1971	2.70	126
1972	May 25, 1972	4.31	210
1973	May 7, 1973	2.09	95
1974	June 12, 1974	4.79	175
1975	June 16, 1975	2.34	110
1976	May 11, 1976	2.45	110
1977	May 14, 1977	1.14	55
1978	Mar. 31, 1978	3.33	175
1979	May 27, 1979	2.72	132
1980	Apr. 29, 1980	1.84	86

## 12301993 Wolf Creek tributary near Libby, MT

Location.--Lat 48°23'52", long 114°55'05", in NW1/4 NE1/4 NE1/4 sec.4, T.30 N., R.26 W., Lincoln County, Hydrologic Unit 17010102, on right bank 9 ft (3 m) from Burlington Northern railroad culvert, 0.3 mi (0.5 km) from mouth, 28.8 mi (46.3 km) east of Libby.

Drainage area.--2.76 mi<sup>2</sup> (7.15 km<sup>2</sup>).

Records available.--September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 11, 1973. Altitude of gage is 3,240 ft (988 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	Apr. 25, 1974	0.82	19
1975	May 12, 1975	.42	15
1976	Apr. 12, 1976	.54	13
1977	May 14, 1977	(f)	2
1978	Mar. 31, 1978	.39	8
1979	May 6, 1979	.83	22
1980	June 14, 1980	.47	10

## 12301997 Richards Creek near Libby, MT

Location.--Lat 48°15'31", long 115°11'57", in SE1/4 NW1/4 SE1/4 sec.20, T.29 N., R.28 W., Lincoln County, Hydrologic Unit 17010102, at bridge on county road, 0.1 mi (0.2 km) upstream from mouth, 18.5 mi (30 km) south-east of Libby.

Drainage area.--9.50 mi<sup>2</sup> (24.6 km<sup>2</sup>).

Records available.--September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 11, 1973. Altitude of gage is 2,720 ft (829 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	0.31	5
1974	Apr. 26, 1974	1.11	49
1975	May 14, 1975	.95	36
1976	May 11, 1976	.90	24
1977	Apr. 25, 1977	.10	1
1978	Mar. 31, 1978	.53	8
1979	May 6, 1979	.95	21
1980	June 14, 1980	.96	52

## 12302400 Shaughnessy Creek near Libby, MT

Location.--Lat 48°18'11", long 115°35'37", in W1/2 sec.5, T.29 N., R.31 W., Lincoln County, Hydrologic Unit 17010101, at culvert on county road, 6.5 mi (10.5 km) southwest of Libby.

Drainage area.--1.16 mi<sup>2</sup> (3.00 km<sup>2</sup>).

Records available.--July 1959 to current year.

Gage.--Crest-stage gage installed July 2, 1959. Altitude of gage is 2,820 ft (860 m), from topographic map.

## 12302400 Shaughnessy Creek near Libby, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1959	--	0.4	16
1960	--	(f)	<sup>a</sup> 4
1961	Mar. 30, 1961	.73	33
1962	May 16, 1962	.67	29
1963	Apr. 4, 1963	.09	6
1964	April 1964	.39	<sup>a</sup> 16
1965	April 1965	.97	48
1966	May 4, 1966	.35	14
1967	May 22, 1967	.03	6
1968	May 22, 1968	.28	12
1969	Apr. 24, 1969	.41	16
1970	June 27, 1970	.21	9
1971	May 5, 1971	.31	13
1972	May 14, 1972	.16	8
1973	June 14, 1973	.05	6
1974	Jan. 15, 1974	--	<sup>a</sup> 200
1975	May 13, 1975	2.64	11
1976	Dec. 5, 1976	--	<sup>a</sup> 15
1977	Apr. 25, 1977	1.40	1
1978	May 18, 1978	1.42	2
1979	May 6, 1979	1.58	4
1980	Apr. 28, 1980	1.65	21

## 12303400 Ross Creek near Troy, MT

Location.--Lat 48°12'26", long 115°52'08", in SE1/4 NE1/4 sec.8, T.28 N., R.33 W., Lincoln County, Hydrologic Unit 17010101, at bridge on Forest Service road, 11.3 mi (18 km) north of Heron, 17.5 mi (28 km) south of Troy.  
Drainage area.--23.8 mi<sup>2</sup> (61.6 km<sup>2</sup>).

Records available.--1972, August 1973 to current year. Discharge and gage height at undetermined date prior to installation of gage.

Gage.--Crest-stage gage installed Aug. 9, 1973. Altitude of gage is 2,420 ft (738 mi), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	<sup>a</sup> 7.9 (revised)	--
1973	--	5.05	1,450
1974	Jan. 15, 1974	4.70	1,240
1975	May 14, 1975	3.70	700
1976	Dec. 5, 1976	4.61	1,180
1977	May 3, 1977	3.27	505
1978	June 7, 1978	3.72	640
1979	May 6, 1979	3.93	740
1980	Apr. 29, 1980	3.70	620

## 12303440 Camp Creek near Troy, MT

Location.--Lat 48°18'46", long 115°50'35", in SW1/4 SE1/4 sec.32, T.30 N., R.33 W., Lincoln County, Hydrologic Unit 17010101, at bridge on Forest Service road, 0.8 mi (1.3 km) east of Highway 202, 12.6 mi (20.3 km) south of Troy.

Drainage area.--11.3 mi<sup>2</sup> (29.3 km<sup>2</sup>).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 9, 1973. Altitude of gage is 2,440 ft (744 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	3.87	980
1973	--	1.79	295
1974	June 14, 1974	1.92	335
1975	June 2, 1975	1.64	190
1976	May 11, 1976	1.64	190
1977	May 3, 1977	1.29	115
1978	June 5, 1978	1.58	175
1979	May 27, 1979	1.57	180
1980	Apr. 29, 1980	1.65	260

## 12304060 Blacktail Creek near Yaak, MT

Location.--Lat 48°57'03", long 115°32'27", in SW1/4 SW1/4 sec.20, T.37 N., R.30 W., Lincoln County, Hydrologic Unit 17010103, at bridge on Forest Service road, 200 ft (61 m) upstream from mouth, 10.3 mi (16.6 km) north-east of Yaak.

Drainage area.--8.66 mi<sup>2</sup> (22.4 km<sup>2</sup>).

Records available.--1964, 1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 8, 1973. Altitude of gage is 3,430 ft (1,040 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1964	--	2.72	280
1972	--	1.76	126
1973	--	1.01	35
1974	May 9, 1974	1.29	84
1975	June 2, 1975	1.05	55
1976	May 11, 1976	1.42	112
1977	Apr. 25, 1977	.52	17
1978	May 15, 1978	1.11	65
1979	May 5, 1979	.90	38
1980	Apr. 20, 1980	1.15	75



## 12304120 Zulu Creek near Yaak, MT

Location.--Lat 48°43'49", long 115°38'30", in NW1/4 NW1/4 sec.8, T.34 N., R.31 W., Lincoln County, Hydrologic Unit 17010103, at culvert on South Fork Yaak River road, 8.5 mi (13.7 km) south of Yaak.

Drainage area.--5.27 mi<sup>2</sup> (13.6 km<sup>2</sup>).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 8, 1973. Altitude of gage is 3,680 ft (1,120 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	2.56	190
1973	--	1.12	32
1974	May 9, 1974	1.30	47
1975	May 14, 1975	1.09	32
1976	May 11, 1976	1.38	67
1977	Apr. 25, 1977	.88	15
1978	May 15, 1978	1.29	46
1979	May 5, 1979	1.12	31
1980	Apr. 20, 1980	1.04	24

## 12304300 Cyclone Creek near Yaak, MT

Location.--Lat 48°45'01", long 115°54'06", in SE1/4 sec.32, T.35 N., R.33 W., Lincoln County, Hydrologic Unit 17010103, at bridge 0.2 mi (0.3 km) upstream from mouth, 10.5 mi (16.9 km) southwest of Yaak.

Drainage area.--5.71 mi<sup>2</sup> (14.8 km<sup>2</sup>).

Records available.--July 1960 to current year.

Gage.--Crest-stage gage installed July 15, 1960. Altitude of gage is 2,790 ft (850 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	--	2.06	220
1961	May 26, 1961	1.78	172
1962	May 21, 1962	1.26	97
1963	Apr. 4, 1963	1.58	133
1964	May 22, 1964	1.94	150
1965	Apr. 27, 1965	1.38	73
1966	May 4, 1966	1.56	130
1967	May 22, 1967	1.75	168
1968	May 22, 1968	1.42	118
1969	May 31, 1969	1.45	125
1970	May 1970	.95	92
1971	May 5, 1971	1.25	138
1972	May 18, 1972	1.29	155
1973	May 13, 1973	1.03	110
1974	Jan. 15, 1974	<sup>b</sup> 3.68	<sup>a</sup> 350
1975	June 2, 1975	1.51	135
1976	May 11, 1976	1.63	165
1977	May 2, 1977	.71	68
1978	May 15, 1978	.94	103
1979	May 5, 1979	1.00	120
1980	Apr. 29, 1980	1.12	145

## 12323300 Smith Gulch near Silver Bow, MT

Location.--Lat 45°57'26", long 112°39'45", in N1/2 sec.1, T.2 N., R.9 W., Silver Bow County, Hydrologic Unit 17010201, at culvert on Interstate Highway 15 and U.S. Highway 91, 4 mi (6.4 km) south of Silverbow.

Drainage area.--4.36 mi<sup>2</sup> (11.3 km<sup>2</sup>).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 11, 1959. Altitude of gage is 5,510 ft (1,680 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1959	--	--	<sup>a</sup> 5
1960	Mar. 21, 1960	1.97	43
1961	Sept. 11, 1961	2.41	67
1962	Apr. 14, 1962	1.70	32
1963	Feb. 4, 1963	4.91	80
1964	Mar. 30, 1964	3.04	10
1965	Dec. 23, 1964	5.75	123
1966	Mar. 30, 1966	3.04	9
1967	May 8, 1967	3.28	19
1968	Feb. 21, 1968	2.77	2
1969	June 9, 1969	4.31	56
1970	June 12, 1970	3.34	19
1971	Feb. 12, 1971	3.30	18
1972	Mar. 17, 1972	3.12	12
1973	Apr. 22, 1973	3.11	11
1974	Jan. 15, 1974	3.73	33
1975	June 9, 1975	4.54	62
1976	Mar. 17, 1976	<sup>b</sup> 4.78	23
1977	Apr. 7, 1977	2.97	5
1978	Apr. 1, 1978	3.30	17
1979	May 5, 1979	2.77	4
1980	May 25, 1980	2.89	6

## 12324250 Cottonwood Creek at Deer Lodge, MT

Location.--Lat 46°23'59", long 112°43'02", in NE1/4 SW1/4 sec.33, T.8 N., R.9 W., Powell County, Hydrologic Unit 17010201, at culvert on county road and U.S. Highway 10 in Deer Lodge.

Drainage area.--45.4 mi<sup>2</sup> (118 km<sup>2</sup>).

Records available.--September 1975 to current year.

Gage.--Crest-stage gage installed Sept. 30, 1975. Altitude of gage is 4,675 ft (1,425 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1975	<sup>e</sup> June 19, 1975	4.10	497
1976	May 15, 1976	3.00	240
1977	Apr. 7, 1977	(f)	5
1978	June 7, 1978	3.53	430
1979	May 26, 1979	3.18	210
1980	May 25, 1980	3.42	390

## 12324700 Clark Fork tributary near Drummond, MT

Location.--Lat 46°36'58", long 113°02'08", in SW1/4 sec.18, T.10 N., R.11 W., Powell County, Hydrologic Unit 17010201, 0.5 mi (0.8 km) upstream from Interstate Highway 90 and U.S. Highway 10, 6.5 mi (10.5 km) east of Drummond.

Drainage area.--4.61 mi<sup>2</sup> (11.9 km<sup>2</sup>).

Records available.--June 1959 to current year.

Gage.--Crest-stage gage installed June 17, 1959. Altitude of gage is 4,080 ft (1,240 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1958	<sup>e</sup> June 9, 1958	1.64	133
1959	--	--	(c)
1960	Mar. 18, 1960	1.62	84
1961	Apr. 3, 1961	.70	20
1962	Apr. 4, 1962	.62	18
1963	Feb. 4, 1963	1.44	56
1964	Mar. 31, 1964	.98	21
1965	Feb. 5, 1965	1.53	64
1966	Mar. 9, 1966	2.00	125
1967	Mar. 18, 1967	.55	15
1968	Feb. 20, 1968	1.45	66
1969	Mar. 31, 1969	1.53	75
1970	Feb. 16, 1970	1.27	54
1971	Feb. 14, 1971	1.99	124
1972	Feb. 29, 1972	.11	2
1973	Mar. 1, 1973	.66	17
1974	Jan. 15, 1974	1.11	41
1975	June 19, 1975	.85	26
1976	Dec. 2, 1975	1.86	108
1977	Mar. 12, 1977	.66	19
1978	Mar. 19, 1978	1.54	72
1979	Mar. 8, 1979	1.77	92
1980	May 25, 1980	1.26	54

## 12331700 Edwards Gulch at Drummond, MT

Location.--Lat 46°40'16", long 113°08'39", in NE1/4 NE1/4 sec.31, T.11 N., R.12 W., Granite County, Hydrologic Unit 17010201, at culvert on downstream side of Interstate Highway 90 crossing at Drummond, in center of town.

Drainage area.--4.69 mi<sup>2</sup> (12.1 km<sup>2</sup>).

Records available --June 1959 to September 1962, June 1974 to current year.

Gage.--Crest-stage gage installed June 17, 1959. Altitude of gage is 4,000 ft (1,220 m), from topographic map.

## 12331700 Edwards Gulch at Drummond, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	Mar. 21, 1960	<sup>b</sup> 1.14	unknown
1961	Apr. 3, 1961	.14	2
1962	Apr. 14, 1962	.55	8
1974	June 20, 1974	(d)	318
1975	Aug. 20, 1975	1.57	17
1976	Jan. 19, 1976	<sup>b</sup> 1.95	8
1977	Mar. 14, 1977	(f)	1
1978	July 5, 1978	<sup>b</sup> 1.96	<sup>a</sup> 5
1979	Mar. 17, 1979	2.24	25
1980	June 23, 1980	1.77	4

## 12338600 Monture Creek at Forest Service boundary, near Ovando, MT

Location.--Lat 47°05'37", long 113°09'10", in SW1/4 SW1/4 sec.32, T.16 N., R.12 W., Powell County, Hydrologic Unit 17010203, on left bank 800 ft (240 m) upstream from Forest Service boundary, 5.2 mi (8.4 km) north of Ovando.

Drainage area.--105 mi<sup>2</sup> (272 km<sup>2</sup>).

Records available.--June 1964, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 7, 1973. Altitude of gage is 4,060 ft (1,240 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1964	<sup>e</sup> June 1964	4.71	2,400
1974	June 18, 1974	3.63	1,500
1975	June 7, 1975	3.20	1,200
1976	June 22, 1976	3.35	1,300
1977	May 3, 1977	(f)	300
1978	June 8, 1978	--	<sup>h</sup> 1,580
1979	May 27, 1979	--	<sup>h</sup> 1,590
1980	May 7, 1980	--	<sup>h</sup> 1,010

## 12339300 Deer Creek near Seeley Lake, MT

Location.--Lat 47°12'37", long 113°32'27", in SE1/4 SW1/4 sec.20, T.17 N., R.15 W., Missoula County, Hydrologic Unit 17010203, at bridge on county road, 2.3 mi (3.7 km) northwest of bridge over Clearwater River, 3.5 mi (5.6 km) northwest of Seeley Lake.

Drainage area.--19.8 mi<sup>2</sup> (51.3 km<sup>2</sup>).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 29, 1974. Altitude of gage is 4,030 ft (1,228 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	3.07	390
1975	May 16, 1975	3.15	425
1976	May 5, 1976	3.04	340
1977	Apr. 26, 1977	2.12	180
1978	Apr. 2, 1978	2.31	215
1979	July 7, 1979	2.26	225
1980	May 25, 1980	2.38	270

## 12339900 West Twin Creek near Bonner, MT

Location.--Lat 46°54'44", long 113°42'50", in SW1/4 sec.2, T.13 N., R.17 W., Missoula County, Hydrologic Unit 17010203, at bridge on State Highway 200, 8 mi (12.9 km) east of Bonner.

Drainage area.--7.33 mi<sup>2</sup> (19.0 km<sup>2</sup>).

Records available.--June 1959 to current year.

Gage.--Crest-stage gage installed June 17, 1959. Altitude of gage is 3,410 ft (1,040 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1959	June 1959	0.7	98
1960	Apr. 6, 1960	.63	82
1961	May 27, 1961	.91	128
1962	Apr. 19, 1962	.92	92
1963	May 29, 1963	.63	63
1964	June 8, 1964	<sup>b</sup> 1.10	<sup>a</sup> 150
1965	Apr. 14, 1965	1.33	<sup>a</sup> 120
1966	May 28, 1966	.45	42
1967	May 22, 1967	1.48	200
1968	May 22, 1968	.91	80
1969	Apr. 24, 1969	1.05	120
1970	May 20, 1970	.97	112
1971	May 11, 1971	1.25	156
1972	May 14, 1972	1.04	130
1973	May 14, 1973	.64	42
1974	Jan. 15, 1974	<sup>b</sup> 2.55	<sup>a</sup> 300
1975	June 7, 1975	.89	90
1976	June 11, 1976	1.15	114
1977	Apr. 28, 1977	.75	22
1978	Mar. 31, 1978	.90	42
1979	May 16, 1979	.67	<sup>a</sup> 80
1980	May 23, 1980	.91	58

## 12342950 Trapper Creek near Conner, MT

Location.--Lat 45°53'43", long 114°10'51", in SE1/4 SE1/4 sec.27, T.2 N., R.21 W., Ravalli County, Hydrologic Unit 17010205, at bridge on State Highway 473, 0.6 mi (1.0 km) southwest of Trapper Creek Job Corps Center, 3.0 mi (4.8 km) southwest of junction of State Highway 473 and turnoff to Conner, 4.5 mi (7.2 km) southwest of Conner.

Drainage area.--28.5 mi<sup>2</sup> (73.8 km<sup>2</sup>).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 30, 1974. Altitude of gage is 4,150 ft (1,265 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.37	not determined
1975	June 12, 1975	2.02	460
1976	May 11, 1976	1.97	440
1977	June 7, 1977	1.70	340
1978	June 8, 1978	2.05	470
1979	May 24, 1979	1.87	390
1980	May 10, 1980	1.86	385

## 12344300 Burke Gulch near Darby, MT

Location.--Lat 46°01'28", long 114°08'45", in S1/2 sec.12, T.3 N., R.21 W., Ravalli County, Hydrologic Unit 17010205, 1 mi (1.6 km) upstream from mouth, 1.5 mi (2.4 km) east of Darby.

Drainage area.--6.50 mi<sup>2</sup> (16.3 km<sup>2</sup>).

Records available.--April 1958 to current year.

Gage.--Staff gage installed Apr. 16 1958. Crest-stage gage installed July 21, 1959. Altitude of gage is 4,100 ft (1,250 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1958	May 12, 1958	0.94	11
1959	May 16, 1959	--	<sup>a</sup> 5
1960	Apr. 7, 1960	.85	8
1961	May 27, 1961	.40	2
1962	May 1962	(f)	<sup>a</sup> 4
1963	February 1963	1.08	13
1964	Apr. 21, 1964	.95	11
1965	Apr. 22, 1965	.95	7
1966	June 1966	.59	3
1967	May 22, 1967	.84	8
1968	May 22, 1968	.80	8
1969	Apr. 24, 1969	.84	8
1970	May 17, 1970	.94	10
1971	May 5, 1971	1.66	25
1972	May 14, 1972	1.29	12
1973	May 17, 1973	.50	3
1974	May 26, 1974	1.32	13
1975	May 15, 1974	1.38	19
1976	May 14, 1976	2.20	24
1977	May 25, 1977	1.21	5
1978	May 22, 1978	1.28	8
1979	Aug. 31, 1979	1.56	18
1980	Mar. 10, 1980	1.39	14

## 12345850 Sleeping Child Creek near Hamilton, MT

Location.--Lat 46°07'58", long 114°03'26", in SE1/4 SW1/4 NW1/4 sec.2, T.4 N., R.20 W., Ravalli County, Hydrologic Unit 17010205, Bitterroot National Forest on right bank 5.8 mi (9.3 km) upstream from mouth and 10.8 mi (17.4 km) southeast of Hamilton.

Drainage area.--62.6 mi<sup>2</sup> (162 km<sup>2</sup>).

Records available.--1972, May 1973 to current year.

Gage.--Crest-stage gage installed May 20, 1973. Altitude of gage is 4,090 ft (1,247 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	June 1972	6.25	<sup>a</sup> 1,500
1973	May 20, 1973	3.54	305
1974	June 14, 1974	4.90	800
1975	June 6, 1975	4.85	775
1976	May 14, 1976	4.95	825
1977	May 25, 1977	2.90	145
1978	June 8, 1978	4.13	482
1979	May 24, 1979	4.26	534
1980	May 10, 1980	4.03	450

## 12353250 Ninemile Creek near Alberton, MT

Location.--Lat 47°11'09", long 114°35'13", in SE1/4 SE1/4 sec.36, T.17 N., R.24 W., Missoula County, Hydrologic Unit 17010204, on left bank about 400 ft (122 m) above a large right bank diversion ditch, 0.3 mi (0.5 km) west of main road, corner of fence line and tree with T.17 N., R.23 W. sign on it, 0.5 mi (0.8 km) south of Little Blue Creek, 14.2 mi (22.8 km) northwest of Alberton.

Drainage area.--50.2 mi<sup>2</sup> (130 km<sup>2</sup>).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 15, 1973. Altitude of gage is 3,570 ft (1,090 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	4.36	1,280
1974	Jan. 16, 1974	3.07	780
1975	May 16, 1975	2.07	435
1976	May 11, 1976	2.21	480
1977	May 4, 1977	.83	100
1978	Mar. 31, 1978	1.73	345
1979	May 24, 1979	1.90	400
1980	May 26, 1980	2.62	900

## 12353800 Thompson Creek near Superior, MT

Location.--Lat 47°11'55", long 114°55'00", in SW1/4 sec.28, T.17 N., R.26 W., Mineral County, Hydrologic Unit 17010204, 1.2 mi (1.9 km) west of Superior.

Drainage area.--11.8 mi<sup>2</sup> (30.6 km<sup>2</sup>).

Records available.--May 1961 to September 1979 (discontinued).

Gage.--Crest-stage gage installed May 15, 1961. Altitude of gage is 2,710 ft (826 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1961	May 26, 1961	0.53	<sup>a</sup> 55
1962	Apr. 24, 1962	.82	85
1963	Apr. 14, 1963	.15	20
1964	May 21, 1964	.53	79
1965	Apr. 14, 1965	3.0	190
1966	May 4, 1966	.09	54
1967	May 22, 1967	.57	80
1968	May 22, 1968	-.84	24
1969	May 1, 1969	-.04	56
1970	May 20, 1970	-.20	61
1971	May 13, 1971	1.07	109
1972	May 14, 1972	1.68	153
1973	May 17, 1973	-1.38	4
1974	Jan. 16, 1974	3.52	230
1975	May 14, 1975	.84	50
1976	May 11, 1976	1.15	100
1977	--	--	(c)
1978	Apr. 1, 1978	.14	68
1979	May 24, 1979	--	<sup>a</sup> 40

## 12355350 Big Creek at Big Creek ranger station, near Columbia Falls, MT

Location.--Lat 48°36'07", long 114°09'55", in SW1/4 SW1/4 sec.22, T.33 N., R.20 W., Flathead County, Hydrologic Unit 17010206, Flathead National Forest, on right bank, at Big Creek ranger station, 300 ft (91.4 m) upstream from North Fork road bridge, 0.4 mi (0.6 km) upstream from mouth, 16.0 mi (25.7 km) north of Columbia Falls.

Drainage area.--82.1 mi<sup>2</sup> (213 km<sup>2</sup>).

Records available.--June 1964, April 1973 to current year.

Gage.--Crest-stage gage installed Apr. 11, 1973. Altitude of gage is 3,330.58 ft (1,015.16 m), from U.S. Forest Service bench mark.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1964	June 1964	6.60	2,130
1973	June 1973	4.69	930
1974	June 21, 1974	5.76	1,600
1975	June 20, 1975	4.57	1,150
1976	May 11, 1976	5.00	1,450
1977	May 11, 1977	4.17	875
1978	June 6, 1978	4.78	1,300
1979	May 27, 1979	4.79	1,250
1980	May 26, 1980	4.24	780



## 12356500 Bear Creek near Essex, MT

Location.--Lat 48°16'56", long 113°25'23", in SE1/4 NW1/4 NE1/4 sec.16, T.29 N., R.14 W., Flathead County, Hydrologic Unit 17010207, on left bank 1.1 mi (1.77 km) upstream from U.S. Highway 2 bridge crossing Bear Creek, 8.5 mi (13.7 km) northeast of Essex.

Drainage area.--20.4 mi<sup>2</sup> (52.8 km<sup>2</sup>).

Records available.--January 1946 to September 1952 (continuous record), 1964, September 1975 to current year.

Gage.--Crest-stage gage installed Sept. 11, 1975. January 1946 to September 1952, nonrecording gage or water-stage recorder at site 0.5 mi (0.8 km) upstream. Altitude of gage is 4,485 ft (1,367 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1946	May 28, 1946	1.94	253
1947	May 2, 1947	2.87	623
1948	May 22, 1948	3.01	696
1949	May 12, 1949	2.05	280
1950	June 12, 1950	2.86	620
1951	May 11, 1951	2.19	352
1952	Apr. 27, 1952	2.15	340
1964	June 8, 1964	7.2	8,380
1975	<sup>e</sup> June 19, 1975	--	1,840
1976	May 10, 1976	5.10	520
1977	May 11, 1977	3.51	160
1978	June 5, 1978	4.12	325
1979	May 27, 1979	4.54	470
1980	June 13, 1980	4.59	490

## 12369250 Holland Creek near Condon, MT

Location.--Lat 47°26'20", long 113°40'11", in NE1/4 NW1/4 sec.5, T.19 N., R.16 W., Missoula County, Hydrologic Unit 17010211, on bridge on State Highway 209, at junction with road to Holland Lake, 6.8 mi (10.9 km) south of Condon.

Drainage area.--22.3 mi<sup>2</sup> (57.8 km<sup>2</sup>).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 29, 1974. Altitude of gage is 3,950 ft (1,204 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	2.73	385
1975	June 13, 1975	2.30	280
1976	May 11, 1976	2.02	230
1977	May 3, 1977	1.44	130
1978	June 9, 1978	2.22	265
1979	May 27, 1979	2.69	265
1980	May 25, 1980	3.26	380

## 12370500 Dayton Creek near Proctor, MT

Location.-- Lat 47°54'59", long 114°20'14", in NW1/4 sec.20, T.25 N., R.21 W., Lake County, Hydrologic Unit 17010208, at culvert on county road, 2.5 mi (4.0 km) northwest of Proctor.

Drainage area.--18.5 mi<sup>2</sup> (47.9 km<sup>2</sup>).

Records available.--June 1959 to current year.

Gage.--Crest-stage gage installed June 18, 1959. Altitude of gage is 3,350 ft (1,020 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1959	--	1.3	37
1960	May 12, 1960	1.74	51
1961	May 27, 1961	3.00	93
1962	Apr. 24, 1962	1.54	45
1963	Apr. 13, 1963	.28	7
1964	June 8, 1964	1.06	29
1965	Apr. 15, 1965	5.09	131
1966	Mar. 29, 1966	1.03	28
1967	May 22, 1967	2.16	60
1968	May 14, 1968	.88	22
1969	Apr. 24, 1969	2.07	48
1970	May 21, 1970	2.21	49
1971	May 13, 1971	1.53	40
1972	May 14, 1972	2.53	70
1973	Apr. 5, 1973	.75	20
1974	Jan. 16, 1974	3.17	98
1975	May 20, 1975	1.26	36
1976	Apr. 6, 1976	1.24	35
1977	Apr. 24, 1977	-.14	<sup>a</sup> 4
1978	Mar. 31, 1978	3.21	102
1979	May 6, 1979	3.39	82
1980	June 14, 1980	1.34	27

## 12389150 McGregor Creek tributary near Marion, MT

Location.--Lat 48°01'44", long 114°55'54", in NW1/4 NE1/4 sec.10, T.26 N., R.26 W., Flathead County, Hydrologic Unit 17010213, on right bank 250 ft (76 m) upstream from Forest Service road, 0.4 mi (0.6 km) upstream from mouth, 13.4 mi (21.7 km) southwest of Marion.

Drainage area.--2.55 mi<sup>2</sup> (6.60 km<sup>2</sup>).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 10, 1973. Altitude of gage is 3,850 ft (1,170 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	2.60	80
1973	--	.92	13
1974	June 12, 1974	1.07	17
1975	June 24, 1975	.83	11
1976	May 11, 1976	(f)	<sup>a</sup> 12
1977	Apr. 26, 1977	(f)	<sup>a</sup> 1
1978	Mar. 31, 1978	(f)	<sup>a</sup> 6
1979	May 6, 1979	.95	18
1980	June 14, 1980	1.15	27

## 12391100 White Pine Creek near Trout Creek, MT

Location.--Lat 47°44'19", long 115°40'27", in SW1/4 SW1/4 NW1/4 sec.23, T.23 N., R.32 W., Sanders County, Hydrologic Unit 17010213, Kaniksu National Forest, on right downstream wingwall of bridge, 7.5 mi (12.1 km) southwest of Trout Creek.

Drainage area.--8.75 mi<sup>2</sup> (22.7 km<sup>2</sup>).

Records available.--November 1974 to current year.

Gage.--Crest-stage gage installed Nov. 13, 1974. Altitude of gage is 3,360 ft (1,020 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	--	4.70	295
1975	June 14, 1975	4.25	215
1976	Dec. 4, 1975	4.80	310
1977	Apr. 26, 1977	3.73	100
1978	June 7, 1978	3.67	128
1979	May 6, 1979	3.86	185
1980	Apr. 24, 1980	3.64	160

## 12391200 Canyon Creek near Trout Creek, MT

Location.--Lat 47°51'16", long 115°29'57", in SW1/4 NW1/4 sec.7, T.24 N., R.30 W., Sanders County, Hydrologic Unit 17010213, at bridge on U.S. Forest Service road, 2.9 mi (4.7 km) upstream from junction of road at mouth of Vermillion River, 4.6 mi (7.4 km) northeast of Trout Creek.

Drainage area.--8.64 mi<sup>2</sup> (22.4 km<sup>2</sup>).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 15, 1973. Altitude of gage is 2,520 ft (768 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	2.64	230
1974	May 9, 1974	2.70	250
1975	June 2, 1975	2.30	215
1976	May 11, 1976	2.53	200
1977	Apr. 26, 1977	1.86	70
1978	Apr. 1, 1978	2.28	140
1979	May 6, 1979	2.23	135
1980	Apr. 24, 1980	2.23	135

## 12391430 Skeleton Creek near Noxon, MT

Location.--Lat 47°57'47", long 115°53'18", in SW1/4 SW1/4 sec.32, T.26 N., R.33 W., Sanders County, Hydrologic Unit 17010213, at culvert on U.S. Forest Service road, 0.4 mi (0.6 km) upstream from West Fork Pilgrim Creek, 5.7 mi (9.2 km) southwest of Noxon.

Drainage area.--2.10 mi<sup>2</sup> (5.44 km<sup>2</sup>).

Records available.--August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 9, 1973. Altitude of gage is 3,050 ft (930 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	--	0.93	14
1974	Jan. 17, 1974	1.94	46
1975	May 14, 1975	1.60	34
1976	May 11, 1976	1.75	39
1977	Apr. 26, 1977	(f)	<sup>a</sup> 12
1978	May 16, 1978	1.49	23
1979	May 6, 1979	1.46	22
1980	June 2, 1980	1.34	20

## 12391525 Snake Creek near Noxon, MT

Location.--Lat 48°07'24", long 115°45'10", in SW1/4 SW1/4 sec.5, T.27 N., R.32 W., Sanders County, Hydrologic Unit 17010213, at culvert on U.S. Forest Service road, 9.0 mi (14.5 km) north of Noxon.

Drainage area.--3.11 mi<sup>2</sup> (8.05 km<sup>2</sup>).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 9, 1973. Altitude of gage is 2,510 ft (765 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	--	3.87	126
1973	--	1.09	13
1974	Jan. 17, 1974	3.63	114
1975	May 14, 1975	2.27	53
1976	Dec. 4, 1975	2.41	52
1977	Apr. 26, 1977	1.36	12
1978	May 15, 1978	1.70	24
1979	May 6, 1979	2.16	52
1980	Apr. 24, 1980	1.85	31

## INDEX TO STATIONS

Station name	Page
Alkali Coulee tributary near Virgelle . . . . .	24
Alkali Creek tributary near Sidney. . . . .	85
Allen Creek near Park City. . . . .	57
Anderson Creek at Vananda . . . . .	64
Andresen Coulee near Custer . . . . .	62
Antelope Creek tributary No. 2 near Harlowton . . . . .	28
Armells Creek, East Fork, tributary near Colstrip . . . . .	64
Badger Creek at Biddle. . . . .	76
Bair Coulee near Mosby. . . . .	34
Basin Creek tributary near Volborg. . . . .	71
Bear Creek near Essex . . . . .	104
Bear Creek, South Fork, tributary near Roy. . . . .	33
Beaver Creek tributary near Zortman . . . . .	45
Beaver Creek tributary No. 2 near Malta . . . . .	46
Big Coulee Creek tributary near Cushman . . . . .	30
Big Creek at Big Creek ranger station, near Columbia Falls. . . . .	103
Big Muddy Creek, Middle Fork, near Flaxville. . . . .	54
Big Sheep Creek below Muddy Creek, near Dell. . . . .	7
Black Rock Creek near Augusta . . . . .	16
Blacktail Creek near Heart Butte. . . . .	20
Blacktail Creek near Yaak . . . . .	95
Blood Creek tributary near Valentine. . . . .	35
Box Elder Creek tributary near Albion . . . . .	89
Brian Creek near Ashland. . . . .	69
Bruce Coulee tributary near Choteau . . . . .	23
Bull Creek tributary near Hilger. . . . .	25
Burke Gulch near Darby. . . . .	101
Butte Creek tributary near Four Buttes. . . . .	54
Butts Coulee near Melstone. . . . .	31
Cabin Creek near Townsend . . . . .	14
Cabin Creek near West Yellowstone . . . . .	12
Camp Creek near Troy. . . . .	95
Canyon Creek near Birney. . . . .	67
Canyon Creek near Trout Creek . . . . .	106
Cataract Creek near Basin . . . . .	11
Cayuse Creek near Trego . . . . .	91
Cherry Creek tributary near Terry . . . . .	78
Clark Canyon near Dillon. . . . .	8
Clark Fork tributary near Drummond. . . . .	98
Coal Creek near Mill Iron . . . . .	89
Cottonwood Creek at Deer Lodge. . . . .	97
Cow Creek near Fort Howes ranger station, near Otter. . . . .	68
Cow Creek tributary near Vida . . . . .	52
Crooked Creek tributary near Shepherd . . . . .	61
Cut Coulee near Mizpah. . . . .	77
Cyclone Creek near Yaak . . . . .	96

## INDEX TO STATIONS

Station name	Page
Dayton Creek near Proctor . . . . .	105
Deep Creek near Fortine . . . . .	91
Deep Creek near Kinsey. . . . .	74
Deer Creek near Seeley Lake . . . . .	99
Deer Creek tributary near Volborg . . . . .	72
Dirty Creek near Martinsdale. . . . .	27
Disjardin Coulee near Malta . . . . .	43
Duck Creek, East Fork, near Brockway. . . . .	51
Duval Creek near Landusky . . . . .	27
Edwards Gulch at Drummond . . . . .	98
Favot Coulee tributary near Ledger. . . . .	21
Fey Coulee tributary near Chester . . . . .	22
Fifteenmile Creek tributary near Zurich . . . . .	42
First Hay Creek near Sidney . . . . .	86
Fish Creek near Musselshell . . . . .	30
Fish Creek near Silver Star . . . . .	10
Fox Creek tributary near Lambert. . . . .	86
Goodman Coulee near Eden. . . . .	18
Gorman Coulee tributary near Cat Creek. . . . .	33
Griffith Creek tributary near Glendive. . . . .	83
Holland Creek near Condon . . . . .	104
Home Creek near Sumatra . . . . .	31
Horse Creek, South Fork, tributary near Wibaux. . . . .	83
Hump Creek near Reed Point. . . . .	57
Idaho Creek near Alder. . . . .	9
Jack Creek near Volborg . . . . .	70
Jack Creek tributary near Belfry. . . . .	58
Jefferson River tributary No. 2 near Whitehall. . . . .	10
Krug Creek tributary No. 2 near Wibaux. . . . .	84
La Grange Creek near Volborg. . . . .	72
Lame Jones Creek tributary near Willard . . . . .	79
Leaf Rock Creek near Kirby. . . . .	66
Little Bighorn River tributary near Wyola . . . . .	61
Little Missouri River tributary near Albion . . . . .	88
Little Otter Creek near Raynesford. . . . .	19
Little Peoples Creek near Hays. . . . .	43
Little Powder River, East Fork, tributary near Hammond. . . . .	76
Little Sandy Creek tributary near Virgelle. . . . .	23
Little Wall Creek tributary near Flatwillow . . . . .	32

## INDEX TO STATIONS

Station name	Page
Locate Creek tributary near Locate. . . . .	78
Logger Creek near Gallatin Gateway. . . . .	12
Lone Man Coulee near Valier . . . . .	21
Long Otter Creek near Lodgegrass. . . . .	62
Lost Creek near Ringling. . . . .	13
Lost Creek tributary near Homestead . . . . .	56
Lush Coulee near Whitewater . . . . .	45
McGregor Creek tributary near Marion. . . . .	105
McGuire Creek tributary near Van Norman . . . . .	38
Milk River, Dry Fork, near Babb . . . . .	39
Milk River tributary No. 3 near Glasgow . . . . .	47
Mill Creek near Lewistown . . . . .	24
Mills Creek at Rapelje. . . . .	59
Missouri River tributary No. 5 at Culbertson. . . . .	56
Missouri River tributary No. 6 near Wolf Point. . . . .	50
Mitchell Gulch near East Helena . . . . .	15
Monture Creek at Forest Service boundary, near Ovando . . . . .	99
Murray Coulee tributary near Hogeland . . . . .	44
Ninemile Coulee near Fort Benton. . . . .	19
Ninemile Creek near Alberton. . . . .	102
North Fork Creek tributary near Richey. . . . .	53
North Sunday Creek tributary No. 2 near Angela. . . . .	73
O'Fallon Creek near Ismay . . . . .	79
Pennel Creek near Baker . . . . .	80
Peoples Creek tributary near Lloyd. . . . .	42
Powder River tributary near Powderville . . . . .	77
Powell Coulee near Browning . . . . .	20
Quartz Hill Gulch near Wise River . . . . .	9
Reservation Creek near Miles City . . . . .	65
Richards Creek near Libby . . . . .	93
Roberts Creek, East Fork, tributary near Judith Gap . . . . .	29
Rocky Creek near Bozeman. . . . .	13
Ross Creek near Troy. . . . .	94
Russian Coulee near Jordan. . . . .	36
Sage Creek tributary No. 2 near Joplin. . . . .	41
Sand Creek near Broadus . . . . .	75
Sarpy Creek tributary near Colstrip . . . . .	63
Second Creek tributary No. 2 near Jordan. . . . .	35
Shaughnessy Creek near Libby. . . . .	93
Sheep Creek near Neihart. . . . .	17

## INDEX TO STATIONS

Station name	Page
Short Creek near Forsyth. . . . .	65
Sixmile Creek tributary near Epsie. . . . .	70
Skeleton Creek near Noxon . . . . .	107
Sleeping Child Creek near Hamilton. . . . .	102
Smith Gulch near Silver Bow . . . . .	97
Snake Creek near Noxon. . . . .	107
Snow Coulee at Opheim . . . . .	48
Soda Creek tributary near Webster . . . . .	90
Spring Coulee, South Fork, near Havre . . . . .	41
Spring Coulee tributary near Simpson. . . . .	40
Spring Creek near Decker. . . . .	66
Spring Creek near Plentywood. . . . .	55
Spring Creek tributary near Fallon. . . . .	81
Spring Creek tributary near Harlowton . . . . .	28
Spring Creek tributary near Van Norman. . . . .	37
Stebbins Creek at mouth, near Ashland . . . . .	69
Sullivan Creek, West Fork, near Richey. . . . .	52
Sweetwater Creek near Alder . . . . .	8
Swimming Woman Creek tributary near Living Springs. . . . .	29
Taffy Creek tributary near Winifred . . . . .	26
Thirteenmile Creek tributary near Bloomfield. . . . .	85
Thompson Creek near Superior. . . . .	103
Thompson Creek tributary near Cohagen . . . . .	37
Tie Creek near Birney . . . . .	68
Timber Creek tributary near Van Norman. . . . .	38
Timber Fork Creek tributary near Lindsay. . . . .	82
Trapper Creek near Conner . . . . .	100
Tree Coulee near Kinsey . . . . .	73
Trout Creek near Eden . . . . .	17
Tule Creek tributary near Wolf Point. . . . .	50
Tullock Creek tributary near Hardin . . . . .	63
Twelvemile Creek near Shepherd. . . . .	60
Unger Coulee near Vandalia. . . . .	46
Van Cleeve Coulee tributary near Sunburst . . . . .	39
Wegner Creek at Craig . . . . .	15
West Twin Creek near Bonner . . . . .	100
West Wets Creek near Billings . . . . .	59
White Pine Creek near Trout Creek . . . . .	106
Willow Creek tributary near Fort Peck . . . . .	47
Wolf Creek, East Fork, near Lustre. . . . .	48
Wolf Creek near Hammond . . . . .	87
Wolf Creek tributary near Coffee Creek. . . . .	26
Wolf Creek tributary near Libby . . . . .	92
Wolf Creek tributary near Vida. . . . .	53



## INDEX TO STATIONS

Station name	Page
Wolf Creek tributary No. 2 near Wolf Point. . . . .	49
Yellowstone River tributary No. 5 near Marsh. . . . .	82
Yellowstone River tributary No. 6 near Glendive . . . . .	84
Zulu Creek near Yaak. . . . .	96