

STATE OF WASHINGTON  
ALBERT D. ROSELLINI, Governor  
DEPARTMENT OF CONSERVATION  
ROY MUNDY, Director

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**Water-Supply Bulletin No. 23**  
**Miscellaneous Stream-Flow  
Measurements**

IN THE  
**State of Washington**  
1890 to January, 1961

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Division of Water Resources  
MURRAY G. WALKER, Supervisor  
Olympia, Washington

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Prepared cooperatively by Department  
of the Interior

UNITED STATES GEOLOGICAL SURVEY  
Water Resources Division

F. M. VEATCH, District Engineer  
Tacoma, Washington





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# MISCELLANEOUS STREAMFLOW MEASUREMENTS IN WASHINGTON

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## PURPOSE OF REPORT

The demand for additional water supplies to fulfill the requirements of domestic irrigation, industrial, municipal, fish and wild life, recreational, and power interests, has resulted in the need for an increasing knowledge of the occurrence and distribution of the State's water resource. Water problems arise when various interests are in competition for supply from the same source. The intensity of this competition is directly related to the supply available. Problems are minimal as long as the supply is adequate but are aggravated during periods of less-than-normal stream runoff.

For proper planning of development, management and conservation, it is necessary at the earliest possible stage to make an adequate appraisal and to estimate the characteristics and distribution of the resources. An important factor in the appraisal of water resources is the collection and evaluation of basic streamflow data. These data are an aid in eliminating much of the guesswork. Because the hydrologic environment is continually changing as the needs of the social environment increase, sound management and development depend on an adequate system of continuing appraisal.

The collection of basic hydrologic data has been performed for many years by the Surface Water Branch of the U. S. Geological Survey which maintains several hundred continuous-record gaging stations within the State. The majority of these stations are maintained in cooperation with State, municipal, private and other Federal agencies. The number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time. However, over the period of the stream-gaging program many discharge measurements have been obtained at miscellaneous sites and at discontinued gaging stations. In areas where special basin low-flow reports have been prepared, good geographic coverage has been obtained by means of an intensive program of miscellaneous measurements for one or more seasons. Estimates of low flow or flood flow can be made at ungaged sites or at miscellaneous-measurement sites by relating the momentary data to the records for the nearest continuous gaging stations. Such estimates are determined on a cfs-per-square mile basis.

Generally the data in this bulletin have been published as miscellaneous discharge measurements in U.S.G.S. water-supply papers, in other special reports, or not at all. The need to assemble the multitude of miscellaneous measurements within a single volume has resulted in the compilation of this report.

### COOPERATION

Since 1909, successive Washington State legislatures have appropriated funds for cooperative hydrographic and topographic surveys within the State. The surveys are made by the U. S. Geological Survey, and investigations are financed by equal allotments of State and Federal funds. Most of the hydrographic data contained herein have been compiled as part of this cooperative program. Some data have been obtained through the financial support of other Federal agencies.

### ACKNOWLEDGEMENT

The compilation and tabulation of streamflow data contained in this report have been prepared by John Savini and William H. Krabler, Hydraulic Engineers, U. S. Geological Survey. The typing of data for publication was performed by Teresa Borra. Recognition is due to J. Rodney Williams for his cooperation in checking gaging site locations and their drainage areas. All data were compiled and the report was assembled in the Tacoma district office of the Surface Water Branch of the U. S. Geological Survey under the general supervision of Fred M. Veatch, district engineer.

### SCOPE OF REPORT

The data presented in this bulletin are assembled for the period from the inception of streamflow records in the State of Washington (1890) through December 31, 1960. Included are discharge measurements made at miscellaneous points, at discontinued or subsequent gaging stations, momentary peak discharges computed from crest-stage gage records at miscellaneous or non-continuous sites, and computations of peak flows at other miscellaneous sites. Locations, drainage areas, and years of operation of all continuous-record gaging stations are included herein. Field estimates are not included. Measurements appearing in this report are substantiated by actual and adequate field notes or checked measurement summaries from the files of the Surface Water Branch of the U. S. Geological Survey.

The most recent topographic map sheets were used and the accuracy of site locations were stressed. The most recently available drainage areas for the points of discharge measurements have been used.

### EXPLANATION OF DATA

To make this publication as complete a reference as possible for all streamflow data within the State, names of gaging stations with drainage areas and the periods of operation have been included. Discharge measurements made at these sites outside the period of published record are also listed. A gaging station name, as published in the annual series



of water-supply papers, is found in this report by referring to the first column for the stream and to the third column under "locations" for the remainder of the name. Crest-stage partial-record sites are found in the same way. Other measurements may be listed at some of these latter sites, but only the highest discharge for any particular water year is the annual peak. To avoid confusion, discharge measurements are listed using the calendar year rather than the water year.

Measuring sites are listed in a downstream direction along the main stem of a stream with stations on a tributary entering above a main-stem station listed before that station. If a tributary enters between two main-stem stations, it is listed between them. A similar order is followed in listing measurements on first rank, second rank, and other ranks of tributaries.

Some streams were formerly published in water-supply papers as "unnamed creek or tributary." These streams or tributaries are named in this report. If there are sites on more than one tributary to the same stream, the tributaries are numbered for the purpose of identification. For example, the first tributary is named "Cedar River tributary," the second as "Cedar River tributary No. 2," etc.

#### DEFINITION OF TERMS AND ABBREVIATIONS

The terms of stream-flow and other hydrologic data, as used in this report, are defined as follows:

Gaging station is a particular site on a stream, canal, lake or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied herein only to those gaging stations where continuous records of discharge are obtained.

##### Crest-stage partial-record stations

A crest-stage gage is a device which will register the peak stage of a stream occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements (hydraulic-formula computations based on channel surveys) of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or from local residents. Only the maximum discharge for each year is given. Many of these gages have been in operation for longer periods than for the years for which discharges are shown. Discharges are not shown for those years when there was no evidence of flow or were too small to compute by standard methods. Information on some lower floods may have been obtained and is on file at the district office. All current-meter or indirect measurements made at these sites are included in this report.

Cubic foot per second (cfs) is the rate of discharge of a stream whose channel is 1 square foot in cross-sectional area and whose velocity is 1 foot per second. This con-

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tinuous rate of flow for 24 hours would equal 646,317 gallons, or 86,400 cubic feet, or 1.983474 acre-feet.

The drainage area of a stream at a specified location is that area, measured in a horizontal plane, which is so enclosed by a topographic divide that direct surface runoff from precipitation normally would drain by gravity into the water course above the specified point.

PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Bear River basin					
Bear River	Shoalwater Bay	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.10 N., R.10 W., at limestone quarry, 5 miles northeast of Ilwaco.	12.2	10- 1-47	16.9
Naselle River basin					
Naselle River	Willapa Bay	NW $\frac{1}{4}$ SE $\frac{1}{4}$ (revised) sec.19, T.11 N., R.9 W., 150 ft below bridge above upper Naselle Ranger Station.	-	8-19-53 9-16-53	34.3 34.0
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.10 N., R.9 W., at gaging station "near Naselle," (operated May 1929 to 1960).	55.3		
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.10 N., R.9 W., at U. S. Highway 830 crossing.	57.8	8-19-53 9-16-53	35.4 35.1
Salmon Creek	Naselle River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.11 N., R.8 W., 800 ft below logging road bridge, $\frac{1}{2}$ mile below Russian Creek.	12.8	7- 2-53 7-22-53 8-11-53 8-19-53 9- 9-53	15.9 6.54 3.49 2.74 3.91
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.10 N., R.9 N., at gaging station "near Naselle," (operated June 1953 to 1960).	16.6		
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.10 N., R.9 E., 1,000 ft below U. S. Highway 830.	17.4	8-19-53 9-16-53	3.32 3.77
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.10 N., R.9 W., at road crossing, $\frac{1}{2}$ mile above mouth.	18.6	8-19-53 9-16-53	3.92 4.72
Lane Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.10 N., R.9 W., at U. S. Highway 830, (crest-stage gage "Lane Creek near Naselle").	2.15	1-20-50 2- 9-51 - -52 1-22-53 8-19-53 9-16-53 2-19-54 11-18-54 12-21-55 12- 9-56 1-15-58 11-12-58 11-22-59	172 142 192 125 +.98 +.68 154 185 205 197 178 180 211
O'Conner Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.10 N., R.9 W., at U. S. Highway 830.	1.41	8-20-53 9-16-53	.80 .55
South Fork Naselle River	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.10 N., R.9 W. (revised), $\frac{1}{2}$ mile above Bean Creek, $4\frac{1}{2}$ miles south of Naselle.		8-20-53 9-16-53	.32 .25
Bean Creek	South Fork Naselle River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.10 N., R.9 W., at road crossing, 4 miles south of Naselle.	3.23	8-20-53 9-16-53	1.77 1.17
Cement Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.10 N., R.9 W., at road crossing at mouth.	1.50	8-20-53 9-16-53	.99 .81
Davis Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.10 N., R.9 W., at road crossing at mouth.	2.52	8-20-53 9-16-53	1.29 1.22
South Fork Naselle River	Naselle River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.10 N., R.9 W., 1,000 ft below Davis Creek.	17.9	7- 2-53 7-22-53 8- 5-53 8-11-53 8-20-53 9- 9-53	19.7 8.64 6.76 4.07 3.88 5.76
Johnson Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.10 N., R.9 W., at U. S. Highway 830.	1.01	8-20-53 9-16-53	.28 .21
Dell Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.10 N., R.9 W., at road crossing at mouth.	4.16	8-20-53 9-16-53	6.85 2.59
Petes Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.11 N., R.9 W., at U. S. Highway 830.	1.60	8-20-53 9-16-53	.52 .56
Holm Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.11 N., R.9 W., at U. S. Highway 830.	1.28	8-20-53 9-16-53	.22 .20

\* Discharge measurement.

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nemah River basin					
South Nemah River	Nemah River (Willapa Bay)	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.11 N., R.10 W., at U. S. Highway 101.	2.04	8-19-53 9-16-53	0.84 .92
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.12 N., R.10 W., at U. S. Highway 101.	6.72	7- 2-53 7-22-53 8-11-53 8-19-53 9- 9-53	6.26 2.72 1.61 1.55 1.92
Middle Nemah River	South Nemah River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.12 N., R.10 W., 800 ft below U. S. Highway 101.	11.6	7- 2-53 7-22-53 8-11-53 8-20-53 9- 9-53	18.4 9.49 6.02 6.09 8.57
North Nemah River	Nemah River (Willapa Bay)	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.12 N., R.9 W., at gaging station "near South Bend." (operated Feb. 1946 to Sept. 1954). Crest-stage gage since 1954.	18.0	10- 4-54 11-18-54 12-11-55 12- 9-56 1-14-58 2- 6-60	*22.3 1,610 1,460 1,320 724 1,130
Do.....	.....do.....	NE $\frac{1}{4}$ sec.24, T.12 N., R.10 W., 100 ft above hewed foot-log and about 2 miles above mouth.	-	9-10-45	19.1
North Nemah River tributary	North Nemah River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.12 N., R.10 W., at Nemah road, (crest-stage gage, "near South Bend.")	.46	2-10-49 12-27-49 2- 9-51 2- 3-52 1-23-53 1-21-54 2- 8-55 12-11-55 12- 9-56 1-14-58 11-12-58 11-22-59	60.0 50.0 56.8 49.6 54.6 49.4 32.7 61.7 68.4 33.4 46 61
Williams Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.12 N., R.10 W., at Nemah Road crossing.	11.4	8-20-53 9-16-53	14.7 11.2
Pickernell Creek basin					
Pickernell Creek	Willapa Bay	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.12 N., R.10 W., at U. S. Highway 101.	1.72		
Palix River basin					
North Fork Palix River (formerly Palix River)	Middle Fork Palix River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.13 N., R.10 W., 700 ft above remains of old wooden dam, 5 miles southwest of South Bend.	12.4	9-21-53	10.4
Canon River	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.13 N., R.10 W., $\frac{1}{2}$ mile above mouth and 6 miles southwest of South Bend.	16.0	9-21-53	22.5
Tributaries to Willapa Bay					
Niawiakum River	Willapa Bay	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.13 N., R.10 W., 500 ft above bridge and 5 miles southwest of South Bend.	2.11	9-22-47 7- 1-53 7- 8-53 7-22-53 8- 5-53 8-11-53 8-21-53 9- 9-53	1.09 1.87 1.38 1.24 1.13 .87 1.08 .81
Hansen Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.14 N., R.10 W., at U. S. Highway 101.	.63		
Willapa River basin					
Willapa River	Willapa Bay	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.12 N., R.6 W., 50 ft below road crossing $1\frac{1}{4}$ miles southeast of Frances.	8.19	6-18-53 7- 7-53 7-21-53 8- 4-53 8-18-53 9-10-53	9.87 6.71 4.56 3.38 2.41 2.61
Willapa River tributary (formerly unnamed stream)	Willapa River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.12 N., R.7 W., at road crossing 1 mile southeast of Frances.	.84	9-17-53	.15

\* Discharge measurement.

PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Willapa River basin--Continued					
Willapa River	Willapa Bay	On south line NW $\frac{1}{4}$ sec.12, T.12 N., R.7 W., at road crossing at Elk Prairie $\frac{1}{4}$ mile southeast of Frances.	9.36	8-18-53 9-17-53	2.35 2.39
Fern Creek	Willapa River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.12 N., R.7 W., at State Highway 12, 2 miles south of Lebam.	9.98	6-18-53 7- 7-53 7-21-53 8- 4-53 9-10-53	4.24 3.27 1.15 .54 .30
Penny Creek (formerly unnamed stream)	Willapa River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.7 W., at State Highway 12 at Globe.	3.08		
Willapa River tributary No. 2 (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.7 W., at State Highway 12 at Globe.	.42		
Half Moon Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.12 N., R.7 W., at State Highway 12 at Lebam.	6.97	6-18-53 7- 7-53 7-21-53 8- 4-53 9-10-53	2.85 1.53 .54 .05 .03
Willapa River	Willapa Bay	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.13 N., R.7 W., at gaging station "at Lebam," (operated June 1948 to 1960).	41.4		
Fork Creek	Willapa River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.12 N., R.7 W., at gaging station "near Lebam," (operated June 1953 to 1960).	20.2		
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.12 N., R.7 W., at State Highway 12.	21.4	9-17-53	12.2
Trap Creek (formerly Fishtrap Creek)	.....do.....	Center of north $\frac{1}{2}$ sec.1, T.12 N., R.8 W., at State Highway 12.	14.4	6-18-53 7- 7-53 7-21-53 8- 4-53 8-18-53 9-10-53	23.7 18.0 13.8 11.2 8.77 8.37
Green Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.13 N., R.7 W., (crest-stage gage "Green Creek near Lebam").	1.76	11-26-49 2- 9-51 2- 4-52 1-22-53 1- 5-54 2- 8-55 12-11-55 12- 9-56 12-25-57 1-23-59 11-20-59 11-20-60	158 224 117 106 127 94.9 133 223 87 122 67 233
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.13 N., R.8 W., at State Highway 12.	5.63	6-18-53 7- 7-53 7-21-53 8- 4-53	1.78 .42 .07 .04
Stringer Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.13 N., R.8 W., at gaging station "near Holcomb," (operated May to Sept. 1953).	-	10- 1-53	11.2
Willapa River tributary No. 3 (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.13 N., R.8 W., at Lilly-Wheaton Road.	.75	8-20-53	0
Mill Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.13 N., R.7 W., 700 ft below road crossing, 1 mile west of Sutico.	11.2	6-11-53 7- 3-53 7-22-53 8-13-53 8-20-53 9-10-53 9-18-53	11.6 8.66 3.19 1.61 1.44 1.86 1.25
Mill Creek tributary (formerly unnamed creek)	Mill Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.13 N., R.7 W., at road crossing, $\frac{1}{2}$ mile west of Firdale.	.50	8-20-53	0

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Willapa River basin--Continued					
Mill Creek tributary No. 2 (formerly unnamed creek)	Mill Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.13 N., R.7 W., at road crossing, 1 mile west of Pirdale.	0.25	8-20-53	0
Mill Creek tributary No. 3 (formerly unnamed creek)	.....do.....	SWNE $\frac{1}{4}$ sec.7, T.13 N., R.7 W., at road crossing $1\frac{1}{2}$ miles northwest of Pirdale.	.24	9-18-53	0
Mill Creek	Willapa River	NWNE $\frac{1}{4}$ sec.2, T.13 N., R.8 W., at gaging station "near Willapa," (operated May to Sept. 1953).	23.7	8-11-54 9-10-54	3.71 7.94
Willapa River	Willapa Bay	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.13 N., R.7 W., at gaging station "near Willapa," (operated Aug. to Oct. 1947, July 1948 to Dec. 1954).	130	8- 1-33 8-30-33 2- 8-55 12-21-55 12-25-57 11-18-58	‡51.7 ‡47.6 6,270 8,040 6,950 7,360
Wilson Creek	Willapa River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.14 N., R.8 W., 500 ft below logging bridge, 1 mile east of Willapa.	20.5	9-18-47 6-18-53 7- 3-53 7-20-53 8-13-53 8-20-53 9-10-53	5.95 16.8 14.8 8.07 5.11 4.53 5.32
Fairchild Creek	Ward Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.14 N., R.8 W., 100 ft above mouth.	10.0	8- 1-33 6-17-53 7- 3-53 7-20-53 8-13-53 8-13-53 8-20-53 9-10-53	8.09 11.5 8.71 4.93 3.02 3.15 2.69 3.42
Ward Creek	Wilson Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.14 N., R.8 W., at gaging station "near Willapa," (operated May to Sept. 1953).	19.3	10- 1-53	50.3
Do.....	.....do.....	SENE $\frac{1}{4}$ sec.22, T.14 N., R.8 W., $\frac{1}{2}$ mile northeast of Willapa.	20.0	9-18-47	6.98
Elk Creek	Willapa River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.14 N., R.8 W., at road crossing just below forks, 1 mile northeast of Raymond.	5.36	8-20-53 9-18-53	.08 .13
West Fork Rue Creek	Rue Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.13 N., R.8 W., just below road crossing and below Middle Fork.	3.64	8-20-53 9-17-53	3.43 4.05
Rue Creek	South Fork Willapa River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.13 N., R.8 W., just above road crossing, $4\frac{1}{2}$ miles southeast of Raymond.	7.13	6-18-53 7- 7-53 7-21-53 8- 5-53 8-11-53 8-20-53 9-10-53	13.2 8.43 7.70 7.11 5.66 5.96 4.84
South Fork Willapa River	Willapa River	Center sec.8, T.13 N., R.8 W., at gaging station "near Raymond," (operated May 1953 to 1960).	27.8		
Beaver Creek	South Fork Willapa River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.14 N., R.9 W., at road crossing.	.80	8-21-53 9-17-53	.08 .07
South Fork Willapa River tributary (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.14 N., R.9 W., at road crossing at Raymond.	.85	8-21-53 9-17-53	.14 .14
Smith Creek basin					
Smith Creek	Willapa Bay (or North River)	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.15 N., R.7 W., at road crossing.	4.88	8-19-53 9-15-53	1.87 1.68
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.15 N., R.8 W., 500 ft below farm road leading north from Smith Creek Road.	22.2	6-17-53 7- 3-53 7-23-53	28.0 20.2 10.2

‡ Discharge measurement.

## PACIFIC SLOPE BASINS

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Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Smith Creek basin--Continued					
Smith Creek (Cont.)	Willapa Bay (or North River)	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.15 N., R.8 W., 500 ft below farm road leading north from Smith Creek Road.		8-14-53 8-19-53 9- 8-53	6.46 4.97 6.20
Butte Creek	Smith Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.14 N., R.9 W., 100 ft below U. S. Highway 101.	1.49	8-19-53 9-15-53	.35 1.47
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.15 N., R.8 W., at road crossing $\frac{1}{2}$ mile above mouth.	6.53	8-19-53 9-15-53	1.10 2.91
Smith Creek	Willapa Bay	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.15 N., R.9 W., at U. S. Highway 101.	34.9	8-21-53 9-15-53	7.88 8.17
Elkhorn Creek	Smith Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.15 N., R.9 W., at gaging station "near Raymond," (operated May to Sept. 1953).	15.6	10-13-53	16.5
Clearwater Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.15 N., R.9 W., at road crossing $4\frac{1}{2}$ miles north of Raymond.	3.97	8-19-53 9-15-53	3.04 3.21
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.15 N., R.9 W., at mouth.	4.10	9-18-47	3.79
Smith Creek	Willapa Bay	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.15 N., R.9 W., 75 ft below Clearwater Creek.	57.1	9-18-47	16.6
North River basin					
North River	Willapa Bay	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.15 N., R.6 W., at gaging station "near Brooklyn," (operated June 1953 to 1960).	29.8		
Fall River	North River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.15 N., R.7 W., at gaging station "at Brooklyn," (operated June to Sept. 1953).	41.0	10- 2-53	76.1
Archer Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.15 N., R.7 W., at road crossing near mouth.	3.46		
Pioneer Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.15 N., R.7 W., at road crossing near mouth.	10.8	6-17-53 7- 9-53 7-23-53 8-10-53 8-19-53 9- 8-53	13.4 7.76 5.42 4.11 3.31 3.48
Alder Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.15 N., R.7 W., at road crossing near mouth.	1.00	8-18-53 9-15-53	.12 .05
North River	Willapa Bay	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.16 N., R.7 W., at road crossing, $\frac{1}{2}$ mile below Vesta Creek, at Vesta.	130	7- 9-53 7-23-53 8-12-53 8-19-53 9- 8-53	90.0 63.3 41.9 38.6 41.4
North River tributary (formerly unnamed stream)	North River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.16 N., R.7 W., at road crossing near mouth.	.81	8-18-53 9-15-53	.08 .10
North River tributary No. 2 (formerly unnamed stream)	.....do.....	Center of west line NE $\frac{1}{4}$ sec.25, T.16 N., R.8 W., at road crossing.	.16	8-18-53 9-15-53	0 0
North River tributary No. 3 (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.16 N., R.8 W., at road crossing.	a.04	8-18-53 9-15-53	0 0
Tuttle Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.16 N., R.8 W., at road crossing near mouth.	1.62	8-18-53 9-18-53	.20 .06
Salmon Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.16 N., R.8 W., at road crossing near mouth.	13.9	6-17-53 7- 9-53 7-23-53 8-12-53 8-19-53 9- 8-53	11.2 5.02 3.64 1.68 2.16 1.71
Brick Creek	Little North River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.17 N., R.8 W., at U. S. Highway 101.	.82	8-18-53 9-14-53	.17 .08

a Approximately.

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
North River basin--Continued					
Mosquito Creek	Little North River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.17 N., R.8 W., at U. S. Highway 101.	0.76	8-18-53 9-14-53	0.17 .12
Little North River	North River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.16 N., R.8 W., at gaging station "near Cosmopolis," (operated Nov. 1945 to Sept. 1949, June to Sept. 1953).	18.6	10- 4-49 10- 2-53	7.60 58.7
Joe Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.16 N., R.9 W., at U. S. Highway 101, (crest-stage gage "Joe Creek near Cosmopolis").	2.01	b2-22-49 11-25-49 2- 9-51 2- 4-52 1-22-53 8-19-53 9-14-53 1- 6-54 2- 8-55 12-11-55 12- 9-56 12-25-57 11-12-58 11-20-59	193 232 212 88.0 138 +j.26 +j.15 147 179 171 329 120 183 261
North River	Willapa Bay	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.15 N., R.9 W., at gaging station "near Raymond," (operated Aug. 1927 to 1960).	219		
Lower Salmon Creek tributary (formerly unnamed creek)	Lower Salmon Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.15 N., R.9 W., at U. S. Highway 101.	.96	8-19-53 9-18-53	.11 .07
Lower Salmon Creek	North River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.15 N., R.9 W., at U. S. Highway 101.	7.33	7- 1-53 7-23-53 8- 5-53 8-14-53 8-19-53 9- 8-53	4.30 2.09 1.51 .99 1.01 1.35
Do.....	.....do.....	West line of SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.15 N., R.9 W., 800 ft above mouth, $\frac{1}{4}$ miles below gaging station on North River	16.9	3- 7-28 4- 3-28 8- 1-28 9-30-28	77.0 169 4.75 31.8
Chehalis River basin					
Thrash Creek	Chehalis River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.12 N., R.5 W., at mouth.	6.57		
Smith Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.12 N., R.5 W., at road crossing.	.62		
Chehalis River	Grays Harbor	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.12 N., R.5 W., $\frac{1}{2}$ mile above Roger Creek.	43.2	9-10-42	20.0
Roger Creek	Chehalis River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.12 N., R.5 W., at mouth.	5.01	8-20-44	1.72
Chehalis River	Grays Harbor	On line between secs.22 and 23, T.12 N., R.5 W., above Big Creek, $3\frac{1}{2}$ miles south of Pe Ell.	49.1	9-26-42	20.0
Big Creek	Chehalis River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.12 N., R.5 W., at road crossing.	3.48	8-20-44	.47
Chehalis River tributary (formerly unnamed stream)	.....do.....	Near center SW $\frac{1}{4}$ sec.14, T.12 N., R.5 W., at road crossing.	.33	8-20-44	0
Browns Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.12 N., R.5 W., at road crossing.	.60		
Chehalis River	Grays Harbor	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.12 N., R.5 W., at gaging station "near Pe Ell," (operated July to Nov. 1944).	56.2	5- 3-45 7- 9-58 7-22-58 8- 8-58 6-25-59 7-15-59 7-29-59 8-12-59	116 34.1 26.6 21.9 85.7 52.4 35.4 26.6
Crim Creek	Chehalis River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.12 N., R.5 W., at mouth.	12.3	8-20-44	2.51

‡ Discharge measurements.

b Revised

j Formerly published erroneously as "Unnamed Creek" in NW $\frac{1}{4}$  sec.17, T.16 N., R.8 W.



Stream	Tributary to	Location	Drainage area (sq ml)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Chehalis River	Grays Harbor	NE $\frac{1}{4}$ sec.4, T.12 N., R.5 W., near Northern Pacific railroad bridge above Rock Creek.	70.2	9-13-24 7-16-42 7-28-42 8-12-42 8-21-42 9-10-42 9-26-42 10- 6-42	17.3 256 73.0 49.6 41.4 31.2 26.4 26.3
Rock Creek	Chehalis River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.5, T.12 N., R.5 W., at gaging station "near Pe Ell," (operated July to Nov. 1944).	14.0	7- 3-58 7-22-58 8- 8-58 6-25-59 7-15-59 7-29-59 8-12-59	8.32 3.02 2.37 13.5 7.63 4.53 3.18
McCormick Creek	Rock Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.12 N., R.5 W., $\frac{1}{4}$ mile above mouth.	4.07	7-28-44 8-19-44 9-23-44 11- 1-44 8- 8-58	.24 0 .01 8.24 .01
Rock Creek	Chehalis River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.12 N., R.5 W., at highway bridge below McCormick Creek.	18.8	7-16-42 7-28-42 8-12-42 8-21-42 9-10-42 9-26-42 10- 5-42 10-31-42	25.0 9.65 6.89 4.32 2.72 3.32 3.10 163
Water Mill Creek (formerly Shield Creek)	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.13 N., R.5 W., (crest-stage gage, "near Pe Ell").	1.98	9-10-42 8-19-44 11-26-49 2- 9-51 11-30-51 1- 8-53 2-13-54 12-30-54 12-11-55 2-25-57 12-25-57 11-12-58 11-21-59	+0 +0 140 112 66.0 77.0 115 50.7 114 79.4 80.0 72 97
Sand Creek	Stowe Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.12 N., R.5 W., at road crossing above mouth.	2.03	8-19-44	.17
Stowe Creek	Chehalis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.13 N., R.5 W., at road crossing near railroad depot at Pe Ell.	5.58	7-16-42 8-11-42 9-26-42 10-31-42 7-28-44 8-19-44 9-23-44 11- 1-44 8- 8-58	6.38 1.01 .27 33.6 .59 .62 .55 11.2 .74
Cannonball Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.13 N., R.5 W., $\frac{1}{4}$ mile above mouth.	.56		
Katula Creek	Jones Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.13 N., R.5 W., at road crossing.	1.76	8-17-44	0
Jones Creek	Chehalis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.13 N., R.5 W., at State Highway 12.	7.20	7-18-42 8-11-42 9- 9-42 11- 3-42 8-17-44	.95 .11 0 6.05 0
Chehalis River	Grays Harbor	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.13 N., R.5 W., at gaging station "near Doty," (operated 1939-60).	114		
Elk Creek	Chehalis River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.13 N., R.5 W., 400 ft above Eight Creek.	36.5	7-17-42 7-29-42 8-11-42 8-22-42 9- 9-42 9-25-42 10- 5-42 10-30-42 7-29-44 8-16-44 9-23-44 11- 6-44 8- 7-58	55.6 21.7 17.8 14.4 10.7 8.82 11.3 25.4 11.1 10.5 16.1 87.9 10.9

\* Observed.

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Eight Creek	Elk Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.13 N., R.5 W., at road crossing near mouth.	6.54	7-17-42 8-11-42 9- 9-42 9-25-42 10-30-42 7-29-44 8-16-44 9-23-44 11- 6-44 6-12-58 7- 8-58 7-22-58 8- 7-58 7- 1-59 7-14-59 7-28-59 8-12-59	8.67 3.86 2.19 1.80 5.92 2.87 2.33 2.40 18.1 6.51 3.12 2.37 1.73 5.75 4.84 3.27 2.81
Elk Creek	Chehalis River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.13 N., R.5 W., at road crossing above Seven Creek.	43.2	6-12-58 7- 8-58 7-22-58 8- 8-58	50.4 22.8 17.4 b12.2
Seven Creek	Elk Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.13 N., R.5 W., at mouth.	3.64	7-17-42 8-11-42 9- 9-42 9-25-42 10-30-42 8-16-44 6-12-58 7- 8-58 7-22-58 8- 7-58 7- 1-59 7-14-59 7-28-59 8-12-59	3.96 1.94 .80 .94 2.64 .67 3.70 1.16 .89 .80 2.32 2.20 1.39 .97
Elk Creek	Chehalis River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.13 N., R.5 W., at gaging station "near Doty." Operated July to Oct. 1942; July to Oct. 1943; July 1944 to Oct. 1950. (Since 1950 annual peaks obtained from high-water marks recorded in well except for 1954 and 1955 which are from crest-stage gage).	46.7	6- 2-42 8-16-51 2- 4-52 1- 8-53 1- 5-54 2- 8-55 12-11-55 12- 9-56 12-24-57 11-12-58 12-15-59 7- 1-59 7-15-59 7-29-59 8-12-59	*47.6 *10.9 1,160 1,190 2,240 1,120 1,640 1,220 990 1,760 2,430 *38.8 *27.8 *19.6 *16.2
Nine Creek	Elk Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.13 N., R.5 W., at mouth.	5.06	7-17-42 8-11-42 9- 9-42 9-25-42 10-30-42 7-29-44 8-17-44 9-25-44 11- 6-44 8- 8-58	3.10 .75 .52 .53 1.34 .90 .67 .51 6.38 .43
Deer Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.13 N., R.5 W., at road crossing near mouth.	3.84	7-17-42 7-29-42 8-11-42 8-22-42 9- 9-42 9-25-42 10- 5-42 10-30-42 7-29-44 8-17-44 9-23-44 10-30-44 6-12-58 7- 7-58 7-22-58 8- 7-58 6-26-59 7-15-59 7-28-59 8-11-59	4.88 2.65 1.65 1.31 .90 .91 1.11 2.48 1.40 1.16 1.85 3.51 3.93 1.67 1.28 .88 3.67 4.25 2.84 1.94

\* Discharge measurement.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Capps Creek	Chehalis River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.13 N., R.5 W., at road crossing 1/8 mile above mouth.	1.16	9- 9-42 8-17-44	.36 .15
Hay Creek	Capps Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.13 N., R.5 W., at road crossing.	.50	9- 9-42 8-17-44	.19 .21
Absher Creek	Chehalis River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.13 N., R.5 W., at road crossing.	1.09	9- 9-42 8-17-44	0 .33
Dunn Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.13 N., R.5 W., at road crossing 1 mile northeast of Doty.	4.62	7-16-42 8-11-42 9- 9-42 9-25-42 10-30-42 7-29-44 8-17-44 9-25-44 11- 2-44 6-11-58 7- 7-58 7-21-58 8- 5-58 6-26-59 7-14-59 7-28-59 8-11-59	7.26 2.63 1.60 1.27 2.84 1.77 1.75 1.95 9.30 4.75 2.15 1.55 1.36 3.69 2.91 2.00 1.32
Marcuson Creek (formerly Moccasin Creek)	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.13 N., R.5 W., at road crossing $\frac{1}{2}$ mile east of Dryad.	2.29	9- -42	.21
Marcuson Creek (formerly Dryad Creek)	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.13 N., R.4 W., at Leudinghaus Road crossing $\frac{1}{4}$ mile east of Dryad.	-	8-17-44	.23
Chehalis River tributary No. 2 (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.13 N., R.4 W., at road crossing.	.59		
Chehalis River tributary No. 3 (formerly unnamed stream)	.....do.....	Center NE $\frac{1}{4}$ sec.7, T.13 N., R.4 W., at road crossing.	.20		
Dell Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.13 N., R.4 W., at road crossing near mouth.	3.76	7-18-42 7-28-42 8- 8-42 8-22-42 9- 9-42 9-25-42 10- 5-42 10-30-42 7-29-44 8-17-44 9-25-44 11- 2-44 6-11-58 7- 7-58 7-21-58 8- 5-58 6-26-59 7-14-59 7-28-59 8-11-59	1.51 1.16 1.02 .82 .70 .65 .67 1.14 .63 .52 .61 2.65 1.98 .92 .44 .39 1.20 .88 .62 .31
Hope Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.13 N., R.4 W., at State Highway 12.	5.88	7-18-42 8- 8-42 9-25-42 11- 3-42	1.62 .39 .05 10.4
Garrett Creek (formerly Nicholson and Meskill Creeks)	.....do.....	Center SW $\frac{1}{4}$ sec.3, T.13 N., R.4 W., at road crossing at Meskill.	2.14	9- 9-42 8-17-44	.01 .29
Chehalis River tributary No. 4 (formerly unnamed stream)	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.13 N., R.4 W., at State Highway 12.	.44	8-17-44	0

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
South Fork Chehalis River	Chehalis River	On line between NW $\frac{1}{4}$ and NE $\frac{1}{4}$ sec.17, T.11 N., R.3 W., at Campbell Road above Black Creek.	23.0	7-28-44 11- 3-44 7- 9-58 7-22-58 8- 7-58 7- 2-59 7-16-59 7-30-59 8-13-59	8.08 157 9.88 6.02 4.39 21.5 14.2 9.34 7.48
Black Creek	South Fork Chehalis River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.11 N., R.3 W., 500 ft above mouth.	3.05		
South Fork Chehalis River	Chehalis River	On line between NW $\frac{1}{4}$ and NE $\frac{1}{4}$ sec.17, T.11 N., R.3 W., at Campbell Road below Black Creek.	-	8-18-44 9-26-44	7.19 6.43
Laughlin Creek	South Fork Chehalis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.11 N., R.3 W., at mouth.	1.10		
Sears Creek (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.11 N., R.3 W., at road crossing.	.78		
Bull Pen Creek (formerly unnamed creek)	.....do.....	On line between secs.30 and 31, T.12 N., R.3 W., at road crossing.	.96		
Foster Creek (formerly unnamed creek)	.....do.....	East line sec.25, T.12 N., R.4 W., at road crossing at mouth.	.35	8-18-44	0
South Fork Chehalis River	Chehalis River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.12 N., R.4 W., at gaging station "at Boistfort," (operated July to Oct. 1942; July to Oct. 1943; July 1944 to Oct. 1950). Peak flow from high-water marks in well 1951 to 1953. Crest-stage gage 1954 to 1960.	b48.0	6- 3-42 2- 9-51 8-16-51 2- 4-52 1- 8-53 1- 5-54 2- 8-55 12-11-55 12- 9-56 12-24-57 6-13-58 7- 8-58 7-23-58 8- 6-58 11-12-58 7- 2-59 7-16-59 7-29-59 8-13-59 11-22-59	+46.5 4,460 ±3.70 2,830 2,550 3,700 2,810 4,500 4,850 5,060 ±28.5 ±10.1 ±4.97 ±4.33 3,020 ±31.7 ±21.9 ±10.1 ±7.02 3,770
Stillman Creek	South Fork Chehalis River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.12 N., R.4 W., above Halfway Creek.	23.8	7-20-42 7-30-42 8-12-42 8-20-42 9-11-42 9-28-42 10- 6-42 10-29-42 7-28-44 8-18-44 9-26-44 10-29-44 6-13-58 7- 8-58 7-23-58 8- 7-58 7- 1-59 7-15-59 7-29-59 8-13-59	31.4 23.9 19.6 17.6 14.5 13.8 12.9 17.5 14.9 13.4 12.1 10.9 31.8 20.5 17.0 14.0 26.5 20.5 16.0 11.6
Halfway Creek (formerly North Fork Halfway Creek)	Stillman Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.12 N., R.4 W., at road crossing above Slide Creek.	6.48	8-18-44	.29

± Discharge measurement

b Revised.

PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Slide Creek (formerly Halfway Creek)	Halfway Creek	N $\frac{1}{2}$ NW $\frac{1}{4}$ sec.15, T.12 N., R.4 W., at road crossing above mouth.	3.27	8-18-44	1.12
Halfway Creek	Stillman Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.12 N., R.4 W., at gaging station "near Bolstfort," (operated July to Nov. 1944).	613.7	7-20-42 7-30-42 8-12-42 8-20-42 9-11-42 9-28-42 10- 6-42 10-29-42 4-20-45 6-13-58 7- 8-58 7-23-58 8- 6-58 7- 1-59 7-15-59 7-29-59 8-12-59	6.22 4.42 3.13 2.40 2.14 1.88 1.71 3.35 31.2 6.34 2.82 1.83 1.61 5.86 4.13 2.86 2.47
Lost Creek	Stillman Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.12 N., R.4 W., at road crossing near mouth.	6.60	7-20-42 7-30-42 8-12-42 9-11-42 9-28-42 7-28-44 8-18-44 9-26-44 8- 6-58	.35 .18 .04 0 0 0 0 0 .01
Lake Creek	South Fork Chehalis River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.13 N., R.3 W., at road crossing at Curtis.	21.3	7-20-42 7-30-42 8-12-42 8-20-42 9-11-42 9-28-42 10- 6-42 10-29-42 7-27-44 8-21-44 9-26-44 10-28-44 8- 6-58	2.08 .79 .53 .35 .17 .17 .33 1.50 .58 .14 .70 .38 .05
Bunker Creek	Chehalis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.14 N., R.4 W., at road crossing 3 miles north of Dryad.	2.22	8-17-44	.21
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.14 N., R.4 W., at road crossing 6 miles northeast of Doty.	7.17	7-27-44 8-17-44 9-25-44 10-29-44 8- 5-58	.32 .22 .16 .26 .02
Prairie Creek	Bunker Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.14 N., R.4 W., at road crossing above mouth.	2.92	8-17-44	.03
Bunker Creek	Chehalis River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.14 N., R.4 W., at gaging station "near Adna," (operated July to Nov. 44).	20.6	4-20-45 6-11-58 7- 7-58 7-21-58 8- 5-58 6-26-59 7-14-59 7-27-59 8-11-59	26.3 6.47 1.18 .52 .08 2.47 1.14 .50 .12
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.14 N., R.3 W., at road crossing above Deep Creek.	620.7	7-18-42 7-28-42 8- 8-42 8-20-42 9-11-42 9-28-42 10- 6-42 10-29-42	5.24 1.77 1.26 .33 .19 .19 .53 1.04
Deep Creek	Bunker Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.14 N., R.4 E., at mouth of Rudolph Creek.	-	8-17-44	0
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.14 N., R.3 W., at road crossing $\frac{1}{2}$ mile above mouth.	11.2	7-18-42 7-28-42 8- 8-42 8-20-42 10- 6-42 10-29-42	1.79 .51 .42 .10 .11 .52

b Revised.

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Deep Creek (Cont.)	Bunker Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.14 N., R.3 W., at road crossing $\frac{1}{2}$ mile above mouth.		7-27-44 8-17-44 9-25-44 10-27-44 6-11-58 7- 7-58 7-21-58 8- 5-58 6-26-59 7-14-59 7-27-59 8-11-59	.05 .06 .04 .25 3.29 .35 .26 .09 1.73 .90 .37 .08
Bunker Creek tributary (formerly unnamed creek)	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.13 W., R.3 W., at road crossing 2 miles west of Adna.	-	8-17-44	.02
Van Orman Creek	Chehalis River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.13 N., R.3 W., 500 ft above road crossing.	2.49	8-18-44	.05
Stearns Creek	.....do.....	SW $\frac{1}{4}$ sec.32, T.13 N., R.2 W., at road crossing 3 miles west of Napavine.	8.24	7-14-42 8- 8-42 9- 8-42 9-29-42 10-28-42 7-27-44 8-18-44 9-25-44 10-27-44 8- 6-58	1.64 1.27 1.13 1.27 1.70 1.50 1.34 1.19 2.38 1.41
Stearns Creek tributary (formerly unnamed creek)	Stearns Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.13 N., R.2 W., at road crossing at mouth, 3 miles west of Napavine.	-	8-18-44	1.15
Stearns Creek	Chehalis River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.13 N., R.2 W., at gaging station "near Napavine," (operated July to Oct. 1945).	16.2	10-30-45 11- 9-45 7- 3-58 7- 9-58 7-21-58 8- 6-58 6-25-59 7-16-59 7-30-59 8-11-59	7.93 5.76 3.73 3.04 2.41 2.24 4.04 2.67 2.34 2.21
West Fork Stearns Creek	Stearns Creek	On line between sec.24 and 25, T.13 N., R.3 W., at road crossing 3 $\frac{1}{2}$ miles southeast of Adna.	-	8-18-44	0
Stearns Creek	Chehalis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.13 N., R.3 W., at gaging station "near Adna," (operated July to Nov. 1944).	27.1	7-14-42 7-25-42 8- 8-42 8-18-42 9- 8-42 9-29-42 10- 7-42 10-28-42 7- 3-58 7- 9-58 7-21-58 8- 5-58 6-25-59 7-16-59 7-30-59 8-10-59	5.09 1.94 2.85 2.77 2.48 2.79 2.62 4.69 2.97 2.99 2.49 2.33 7.43 3.75 2.77 9.14
Stearns Creek tributary No. 2 (formerly unnamed creek)	Stearns Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.13 N., R.3 W., at road crossing $\frac{1}{2}$ miles southeast of Adna.		8-19-44	0
Mill Creek	Chehalis River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.14 N., R.3 W., at road crossing below Wisner Creek.	4.56	8-18-44	.07
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.13 N., R.3 W., at State Highway 12, at Littell.	6.17	9-10-42 7-27-44 8-18-44 9-25-44 10-29-44 8- 5-58	0 0 0 0 0 0

PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Chehalis River	Grays Harbor	SE $\frac{1}{2}$ NE $\frac{1}{4}$ sec.2, T.13 N., R.3 W., at gaging station "near Chehalis," (operated Feb. 1929 to Sept. 1931).	435		
Bernier Creek	South Fork Newaukum River	South line sec.6, T.13 N., R.2 E., at road crossing.	3.31	8-21-44	2.67
Beaver Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.13 N., R.2 E., at mouth.	2.79	8-21-44	1.58
South Fork Newaukum River tributary (formerly unnamed stream)	South Fork Newaukum River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.13 N., R.1 E., at road crossing near mouth.	1.13	8-21-44	1.07
Frase Creek (formerly unnamed tributary)	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.13 N., R.1 E., at road crossing near mouth.	2.09	8-21-44	1.35
South Fork Newaukum River	Newaukum River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.13 N., R.1 E., at State Highway 5K.	26.8	8-21-44 9-25-44 10-25-44 7-30-58	22.3 40.6 37.0 29.3
Kearney Creek	South Fork Newaukum River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.13 N., R.1 E., at mouth.	10.3	8-21-44	.32
South Fork Newaukum River	Newaukum River	South line SE $\frac{1}{4}$ sec.28, T.13 N., R.1 E., at gaging station, "near Onalaska," (operated July to Oct. 1942, July to Oct. 1943, July 1944 to Oct. 1948).	b42.4	8-16-51	23.9
Lost Creek	South Fork Newaukum River	South line sec.26, T.13 N., R.1 E., at State Highway 5K.	1.10	7-27-44	1.08
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.13 N., R.1 E., at mouth.	2.36	8-19-44	.88
South Fork Newaukum River tributary No. 2 (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.13 N., R.1 E., at State Highway 5K.	-	9-26-44	.19
South Fork Newaukum River tributary No. 3 (formerly unnamed stream)	.....do.....	W $\frac{1}{2}$ sec.33, T.13 N., R.1 W., 3 miles southeast of Forest.	-	8-22-44	0
Mitchell Creek (formerly unnamed tributary)	North Fork Newaukum River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.14 N., R.1 W., at mouth.	5.82	8-22-44	0
North Fork Newaukum River	Newaukum River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.14 N., R.1 W., at gaging station "near Forest," (operated July to Nov. 1944, July 1957 to 1960).	b31.5	7-15-42 7-27-42 8-10-42 8-19-42 9- 8-42 9-23-42 10- 3-42 10-28-42	43.4 28.5 19.1 13.3 10.4 7.87 10.8 18.0
Lucas Creek	North Fork Newaukum River	Line between SW $\frac{1}{4}$ and SE $\frac{1}{4}$ sec.2, T.13 N., R.1 W., at road crossing.	12.8	7-15-42 7-27-42 8-10-42 8-19-42 9- 8-42 9-23-42 10- 3-42 10-28-42 7-26-44 8-19-44 9-25-44 10-24-44 7-30-58	9.51 7.10 5.10 4.32 3.18 3.12 3.23 4.97 2.99 2.50 3.47 3.73 1.97

b Revised.

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Middle Fork Newaukum River	North Fork Newaukum River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.13 N., R.1 E., at road crossing.	2.91	8-22-44	.15
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.13 N., R.1 W., at mouth.	17.7	7-15-42 7-27-42 8-10-42 8-19-42 9- 8-42 9-23-42 10- 3-42 10-27-42 7-27-44 8-19-44 9-25-44 10-24-44 7-30-58	4.94 1.33 .98 .42 .44 .18 .81 2.43 .24 .20 .98 1.24 .13
Newaukum River tributary (formerly unnamed creek)	Newaukum River	Line between NE $\frac{1}{4}$ and SE $\frac{1}{4}$ sec.13, T.13 N., R.2 W., at road crossing.	3.89	8-22-44	.17
Newaukum River	Chehalis River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.13 N., R.2 W., at gaging station "near Chehalis," (operated Mar. 1929 to Sept. 1931, July 1942 to 1960).	155	6- 4-42	329
Berwick Creek	Dillenbaugh Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.13 N., R.2 W., at State Highway 1.	5.0	8-22-44 7-13-59 7-30-59 8-10-59	.30 .84 1.02 .87
Dillenbaugh Creek	Chehalis River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.13 N., R.2 W., 500 ft below Berwick Creek.	12.4	7-14-42 7-25-42 8- 8-42 8-18-42 9- 8-42 9-24-42 10- 7-42 10-28-42 7-26-44 8-18-44 9-25-44 10-31-44 7- 3-58 7- 9-58 7-21-58 7-30-58 7- 2-59	1.92 1.47 1.17 1.13 .94 .65 1.10 1.89 .89 1.01 .87 3.51 1.75 1.07 .96 .82 2.58
Coal Creek tributary (formerly unnamed creek)	Coal Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.14 N., R.3 W., at road crossing	.87	8-22-44	0
Coal Creek	Chehalis River (left bank)	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.14 N., R.3 W., at road crossing 1 $\frac{1}{4}$ miles northwest of Chehalis.	1.79	9-11-42 8-22-44	0 0
Do.....	Chehalis River (right bank)	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.14 N., R.2 W., at road crossing 1 mile east of Chehalis.	2.69	7-26-44 8-23-44 9-25-44 10-26-44 7-30-58	.34 .17 1.30 .32 .36
Salzer Creek	Chehalis River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.14 N., R.2 W., at State Highway 1 crossing.	16.5	7-14-42 7-25-42 8- 7-42 9- 4-42 9-23-42 10- 3-42	.89 .50 .14 0 0 0
Chehalis River	Grays Harbor	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.14 N., R.2 W., at West Mellen Street bridge in Centralia at gaging station "at Centralia," (operated 1910-11 by USGS, and since 1949 by the U. S. Weather Bureau as a stage station).	653	10- 3-10 12- 2-10 4- 8-11 8- 6-11	4,890 3,770 846 204
China Creek	Chehalis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.14 N., R.2 W., at road crossing 1 mile east of Centralia.	1.58	7-26-44 8-23-44 9-23-44 10-31-44 6-10-58 7-10-58	0 0 0 0 1.20 0



PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
China Creek (Cont.)	Chehalis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.14 N., R.2 W., at road crossing 1 mile east of Centralia.		7-23-58 7-30-58 7-13-59 7-16-59 7-30-59	0 0 .18 .06 .05
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.14 N., R.2 W., at Cedar Street in Centralia.	4.84	7-13-42 8- 7-42 9- 5-42 10-27-42	1.07 .29 .51 .29
Skookumchuck River	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.15 N., R.1 E., at gaging station "near Centralia," (operated Apr. 1929 to Dec. 1934, Oct. 1939 to 1960).	661.7	2-26-29	259
Thompson Creek	Skookumchuck River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.15 N., R.1 W., at road crossing $\frac{1}{2}$ mile above mouth.	7.16	7-10-42 8- 4-42 9- 4-42 9-22-42 7-25-44 8-24-44 9-23-44 10-23-44 7-31-58	1.50 .30 0 0 0 0 0 0 0
Johnson Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.15 N., R.1 W., at road crossing $\frac{1}{2}$ mile above mouth.	6.21	7-10-42 7-24-42 8- 4-42 8-17-42 9- 4-42 10- 2-42 10-26-42 7-25-44 8-24-44 9-23-44 10-31-44 7-31-58	.94 .65 .23 .08 .16 .46 .50 .08 .08 .62 3.70 0
Skookumchuck River	Chehalis River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.15 N., R.2 W., at railroad bridge at Bucoda.	105	1-22-35 1-23-35 1-25-35 1-28-35 10- 3-57	†5,200 3,340 1,890 1,070 29.7
Skookumchuck River tributary (formerly unnamed stream)	Skookumchuck River	SE $\frac{1}{4}$ sec.11, T.15 N., R.2 W., at State Highway 1N, 1.5 miles west of Bucoda, (crest-stage gage "near Bucoda").	.58	11-21-59 11-20-60	64 39
Hanaford Creek	.....do.....	Near center NW $\frac{1}{4}$ sec.35, T.15 N., R.1 W., at gaging station "near Centralia," (operated July to Sept. 1944).	13.8	10-31-44	15.0
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.15 N., R.1 W., above Snyder Creek.	15.4	7-11-42 7-24-42 8- 7-42 8-18-42 9- 4-42 9-22-42 10- 2-42 10-27-42	14.1 7.38 5.34 4.12 3.79 3.36 5.50 7.86
Snyder Creek	Hanaford Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.15 N., R.1 W., at mouth.	4.12	8-23-44	0
Hanaford Creek	Skookumchuck River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.15 N., R.1 W., at road crossing below Snyder Creek.	19.8	7-25-44 8-24-44 9-23-44 10-31-44 6- 9-58 7-10-58 7-23-58 7-31-58 7-13-59 7-30-59 8-13-59	3.75 2.56 5.07 12.4 11.8 4.54 3.62 2.52 6.79 3.48 2.79
Packwood Creek	Hanaford Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.15 N., R.1 W., at road crossing 1/3 mile above mouth.	7.93	8-23-44	0
South Hanaford Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.14 N., R.1 W., at road crossing 6 miles east of Centralia.	5.99	7-26-44 8-23-44 9-23-44 10-31-44 7-31-58	0 0 0 0 .05

† Peak flow.  
b Revised.

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
South Hanford Creek	Hanford Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.15 N., R.2 W., at road crossing near mouth.	14.4	8- 7-42 9- 4-42 9-22-42 10- 2-42 10-27-42	.10 0 0 0 .08
Skookumchuck River	Chehalis River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.14 N., R.2 W., at State Highway 1N at Centralia.	172	7-13-42 7-24-42 8- 7-42 8-18-42 9- 4-42 9-23-42 10- 3-42 10-26-42 7-26-44 8-23-44 9-23-44 10-31-44 10- 3-57 7-31-58	171 76.8 55.6 43.9 30.5 42.7 11.2 18.0 48.6 38.9 91.6 183 29.7 29.5
Skookumchuck River tributary No. 2 (formerly unnamed stream)	Skookumchuck River	NW $\frac{1}{4}$ sec.5, T.14 N., R.2 W., at road crossing at Centralia.	-	8-23-44	0
Scammon Creek	Chehalis River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.14 N., R.3 W., at road crossing 1 mile west of Centralia.	5.13	7-26-44 8-22-44 10-30-44 8- 5-58	.03 .03 .21 0
Chehalis River	Grays Harbor	On south line SE $\frac{1}{4}$ sec.35, T.15 N., R.3 W., at Galvin Bridge.	-	1- 5-21 1- 7-21	†26,600 17,500
South Branch Scammon Creek	Scammon Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.14 N., R.3 W., at mouth.	.64	8-22-44	0
South Fork Lincoln Creek	Lincoln Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.14 N., R.4 W., at old road crossing.	9.03	8-24-44	1.53
North Fork Lincoln Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.14 N., R.4 W., at road crossing.	6.56	7- 8-42 7-22-42 7-30-42 8-13-42 9- 2-42 9-21-42 10- 1-42 10-24-42 7-21-44 7-24-44 9-22-44 10-21-44 8- 4-58	4.64 3.24 2.61 1.45 .57 .70 1.11 .85 1.35 .47 1.21 .82 .89
Lincoln Creek	Chehalis River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.15 N., R.4 W., at gaging station "near Rochester," (operated July to Oct. 1942, July to Oct. 1943, June 1944 to Oct. 1950).	b19.3	6- 5-42 8-16-51 6-10-58 7-10-58 7-23-58 8- 4-58 7-13-59 7-27-59 8-10-59	11.9 .42 11.1 4.04 2.01 2.52 5.86 2.92 1.76
Lincoln Creek tributary (formerly unnamed creek)	Lincoln Creek	NE $\frac{1}{4}$ sec.34, T.15 N., R.4 W., at road crossing 3 miles south of Independence.	-	8-24-44	0
Lincoln Creek	Chehalis River	East line NE $\frac{1}{4}$ sec.30, T.15 N., R.3 W., at road crossing above Sponenbergh Creek.	28.9	7-24-44	3.10
Sponenbergh Creek (formerly unnamed creek)	Lincoln Creek	SE $\frac{1}{4}$ sec.30, T.15 N., R.3 W., at road crossing 4 miles south of Rochester.	4.52	8-24-44	0

† Peak flow.  
b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Lincoln Creek	Chehalis River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.15 N., R.3 W., 1 $\frac{1}{2}$ miles west of Galvin.	37.1	8-24-44 6-10-58 7-10-58 7-23-58 8- 4-58 7-13-59 7-27-59 8-10-59	1.26 13.8 2.98 2.06 .78 5.65 3.00 .54
Do.....	.....do.....	Line between SW $\frac{1}{4}$ and SE $\frac{1}{4}$ sec.34, T.15 N., R. 3 W., at road crossing.	38.1	9-22-44 10-26-44	5.88 3.89
Eagle Creek	Lincoln Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.15 N., R.3 W., at road crossing 1 mile west of Galvin.	-	8-24-44	0
Chehalis River	Grays Harbor	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.15 N., R.3 W., at gaging station "near Grand Mound," (operated Oct. 1928 to 1960).	895		
Prairie Creek	Chehalis River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.15 N., R.3 W., at State Highway 9.	3.76	8-25-44	0
Scatter Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.16 N., R.1 W., at State Highway 1.	b12.4	7-10-42 7-24-42 8- 4-42 8-17-42 9-22-42 9-30-42 7-25-44 8-15-44 9-18-44 10-26-44 7-31-58	1.15 .45 .24 .07 0 0 0 .03 0 0 .39
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.16 N., R.1 W., at highway crossing $\frac{1}{2}$ mile southwest of Tenino.	14.6	7-10-42	.88
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.16 N., R.2 W., at gaging station "near Grand Mound," (operated July to Sept. 1944).	b19.9	7-11-42 7-25-42 8- 4-42 8-17-42 9- 3-42 9-22-42 9-30-42 10-26-44	6.28 5.13 3.85 3.01 1.91 .63 .81 0
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.15 N., R.3 W., at James Road.	b36.2	7-11-42 7-11-42 7-25-42 8- 4-42 8-14-42 9- 5-42 9-21-42 9-29-42 10-21-42 7-25-44 8-15-44 9-18-44 10-30-44 8- 1-58	2.93 3.93 2.80 1.89 1.33 .28 0 0 0 .65 0 0 0 .12
Independence Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.15 N., R.4 W., at road crossing 5 miles south of Oakville.	6.83	8-25-44	0
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.15 N., R.4 W., at road crossing 2 miles southwest of Independence.	13.2	7- 8-42 7-22-42 8- 1-42 8-13-42 9-17-42 10- 1-42 10-23-42 7-21-44 8-24-44 9-22-44 10-21-44 8- 4-58	1.96 1.15 .54 .26 .04 .02 .15 .06 .08 .02 .16 0
Black Lake tributary (formerly Barnes Lake Creek)	Black Lake	West line SW $\frac{1}{4}$ sec.5, T.17 N., R.2 W., at road crossing 800 ft east of Black Lake.	1.95	8-25-44	.50

b Revised.

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Dempsey Creek	Black River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.17 N., R.3 W., at road crossing $\frac{1}{4}$ mile below Stony Creek.	b8.27	9- 3-42 9-21-42 7-24-44 8-25-44 9- 2-44 10-21-44 8- 1-58	.22 .23 .38 .30 1.03 .34 .24
Salmon Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.17 N., R.2 W., at State Highway 1M.	7.99	8-15-20 7-13-20 7- 9-42 7-23-42 8- 3-42 8-15-42 9- 3-42 9-15-42 9-29-42 10-21-42 7-24-44 8-25-44 9-21-44 10-21-44 8- 1-58	.85 3.88 1.28 1.02 .89 .81 .59 .37 .54 .54 1.10 .46 .54 .35 1.48
Miller Creek (Formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.17 N., R.2 W., at Case Road.	4.56	8-25-44	.03
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.17 N., R.2 W., at State Highway 1M.	7.82	7- 8-20 7- 9-42 8- 3-42 9- 3-42 9-21-42 10-21-42 8-25-44	.89 1.06 .52 .38 .34 .28 .28
Waddell Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.17 N., R.3 W., at road crossing $\frac{1}{2}$ miles northwest of Little Rock.	11.2	8-25-44	3.13
Do.....	Black Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.17 N., R.3 W., at gaging station "near Little Rock," (operated July to Nov. 1944).	b16.8	7- 9-42 7-23-42 8- 3-42 8-15-42 9- 3-42 9-15-42 9-29-42 10-21-42 4-21-45 8- 1-58	13.6 9.95 8.86 6.08 4.66 4.58 5.41 5.71 48.4 4.39
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.16 N., R.3 W., at mouth at Little Rock.	18.2	7- 8-20 8-14-20 9-12-20	5.26 0 88.4
Black River	Chehalis River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.16 N., R.3 W., at gaging station "at Little Rock," (operated July to Oct. 1942, July to Oct. 1943, July 1944 to Oct. 1950).	k63.7	9-12-20 6- 5-42 6-30-44 10-17-50	142 27.7 13.9 48.5
Beaver Creek	Black Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.16 N., R.2 W., at Tilly Road	10.9	8-25-44	.54
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.16 N., R.2 W., at Case Road.	b17.4	7-24-44 8-25-44 9-21-44 10-21-44 8- 1-58	.86 .50 .66 0 0
Scotts Lake Creek	Beaver Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.17 N., R.2 W., at road crossing $\frac{1}{2}$ mile below Scotts Lake.	3.20	8-25-44	1.67
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.16 N., R.2 W., at road crossing $1\frac{1}{4}$ miles west of Maytown above mouth.	4.77	8-25-44	1.13
Beaver Creek	Black River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.16 N., R.3 W., at State Highway 3M near mouth.	b27.3	7- 7-20 7- 7-20 8-14-20 9-20-20 7- 9-42 7-23-42 8- 3-42 8-15-42 9- 3-42 9-15-42 9-29-42	8.59 8.86 5.46 10.2 7.72 7.04 6.82 5.35 4.45 3.93 3.59

b Revised.

k Includes drainage of Black Lake.

Stream	Tributary to	Location	Drainage area (sq ml)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Beaver Creek (Cont.)	Black River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.16 N., R.3 W., at State Highway 3M near mouth.		10-21-42	4.10
				7-24-44	4.42
				8-25-44	2.66
				9-21-44	3.05
				10-21-44	2.67
8-1-58	3.95				
Black River	Chehalis River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.16 N., R.3 W., 100 ft below Beaver Creek at Little Rock.	91.3	7-7-20	50.4
				7-7-20	50.0
				8-14-20	26.9
Black River tributary (formerly unnamed stream)	Black River	SE $\frac{1}{4}$ sec.11, T.16 N., R.3 W., at State Highway 1M, 1.1 miles south of Little Rock.	-	8-25-44	0
Mima Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.16 N., R.3 W., at road crossing $\frac{1}{2}$ mile west of Mima.	11.7	7-7-20	4.94
				7-7-20	4.81
				8-14-20	1.45
				9-20-20	15.1
				7-9-42	3.68
				7-23-42	2.41
				8-3-42	2.47
				8-15-42	1.11
				9-3-42	.49
				9-16-42	.90
				9-30-42	1.20
				10-22-42	1.83
				7-25-44	1.74
				8-25-44	.98
9-21-44	3.12				
10-21-44	1.95				
8-4-58	1.54				
Mima Creek tributary (formerly unnamed stream)	Mima Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.16 N., R.3 W., at road crossing 1 mile west of Mima.	1.28	8-25-44	.28
Black River	Chehalis River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.16 N., R.4 W., at railroad crossing.	k125	8-4-43	73.0
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.16 N., R.4 W., at State Highway 9.	k130	7-3-43	108
				9-27-43	59.9
				7-25-44	74.7
				8-25-44	53.4
				9-21-44	66.4
				10-20-44	53.2
				8-25-58	58.0
Roundtree Creek	Black River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.16 N., R.4 W., at railroad crossing 1 mile east of Oakville.	1.51	2-26-45	2.56
				8-25-58	0
Garrard Creek	Chehalis River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.15 N., R.5 W., above Bloomquist Creek.	6.30	8-19-44	1.29
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.15 N., R.5 W.	11.0	7-8-42	8.12
				8-1-42	4.80
				9-2-42	2.20
				9-21-42	1.95
				10-23-42	2.15
				8-19-44	1.69
				9-22-44	3.36
				10-21-44	2.10
				8-25-58	.61
South Fork Garrard Creek	Garrard Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.15 N., R.5 W., at road crossing.	5.32	7-21-44	3.18
				8-19-44	1.76
				9-22-44	3.36
Do.....	.....do.....	SW $\frac{1}{4}$ sec.10, T.15 N., R.5 W., $\frac{1}{2}$ mile above mouth.	9.80	7-21-44	4.00
Garrard Creek (formerly Garrod Creek)	Chehalis River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.15 N., R.5 W., at gaging station "near Oakville," (operated July to Nov. 1944).	27.7	7-8-42	17.4
				7-22-42	13.7
				8-1-42	11.3
				8-13-42	8.51
				9-2-42	5.44
				9-17-42	4.66
				10-1-42	5.10
				10-23-42	5.16
				4-7-45	84.6
				8-25-58	.96

k Includes drainage of Black Lake.

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Harris Creek	Chehalis River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.16 N., R.4 W., at railroad crossing $\frac{1}{2}$ mile east of Oakville.	1.39	2-26-45	2.10
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.16 N., R.4 W., at road crossing $\frac{1}{4}$ mile east of Oakville.	1.50	2-26-45 8-25-58	3.84 0
Davis Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.16 N., R.5 W., at road crossing.	4.60	9- 2-42	0
Rock Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.16 N., R.5 W., 5 miles northwest of Oakville.	13.1	8-19-44	1.53
Williams Creek	Rock Creek	South line SE $\frac{1}{4}$ sec.16, T.16 N., R.5 W., at road crossing near mouth.	9.59	7- 6-42 7-22-42 8- 1-42 8-13-42 9- 2-42 9-17-42 10- 1-42 10-23-42 7-21-44 8-16-44 9-20-44 10-21-44 8-25-58	3.26 1.23 1.61 .74 .17 .12 .36 .43 3.83 .06 .40 .44 0
Rock Creek	Chehalis River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.16 N., R.5 W., at gaging station "at Cedarville," (operated July to Oct. 1942, July to Oct. 1943, July 1944 to 1960).	24.8	6- 6-42 6-30-44	16.8 6.38
Shelton Creek	Cedar Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.16 N., R.5 W., at road crossing near mouth.	3.08	8-19-44	1.36
Cedar Creek tributary (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.16 N., R.5 W., at road crossing $2\frac{1}{2}$ miles north of Oakville.	-	8-19-44	0
Cedar Creek	Chehalis River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.16 N., R.5 W., at gaging station "near Oakville," (operated July to Nov. 1944).	38.2	7- 6-42 7-21-42 7-31-42 8-14-42 9- 1-42 9-16-42 9-30-42 10-22-42 3-17-45 3-31-45 8-14-51 8-25-58	34.2 26.4 24.7 16.4 13.9 13.3 14.8 14.4 344 145 10.0 8.60
Gibson Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.16 N., R.5 W., at State Highway 9 near mouth.	6.96	7- 6-42 7-21-42 7-31-42 8-14-42 9- 1-42 9-16-42 9-30-42 10-22-42 7-20-44 8-19-44 9-18-44 10-20-44 8-26-58	5.45 5.32 4.32 3.14 2.38 2.28 2.20 2.34 2.84 2.00 2.95 2.22 1.27
Gaddis Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.17 N., R.5 W., at road crossing 1 mile southwest of Porter.	3.15	8-16-44	0
Porter Creek	.....do.....	NE $\frac{1}{4}$ sec.12, T.17 N., R.5 W., just below confluence of North and South Forks.	19.4	9- 7-25 9-13-25 9-26-25 10- 8-25 10-25-25	10.4 7.94 7.26 7.66 12.1
Do.....	.....do.....	NW $\frac{1}{4}$ sec.12, T.17 N., R.5 W., $\frac{1}{2}$ mile below confluence of North and South Forks.	19.8	9-26-25 10- 8-25	7.53 8.00
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.17 N., R.5 W., 500 ft below farm bridge, $2\frac{1}{2}$ miles northeast of Porter.	-	8-18-44	9.79
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.17 N., R.5 W., at gaging station "at Porter," (operated Aug. 1944 to Nov. 1948).	b35.3	8-14-51	7.89

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Porter Creek	Chehalis River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.17 N., R.5 W., at road crossing, (former site of gaging station "at Porter.") Operated July to Oct. 1942, July to Aug. 1943, Oct. 1943, July to Aug. 1944.	b35.6	6- 7-42	40.5
Chehalis River	Grays Harbor	North line NE $\frac{1}{4}$ sec.28, T.17 N., R.5 W., at gaging station "at Porter," (operated 1952-60).	1,294		
Marcy Creek (formerly unnamed creek)	Porter Creek	South line SE $\frac{1}{4}$ sec.22, T.17 N., R.5 W., 1 mile east of Porter.	2.25	8-19-44	.46
Mox Chehalis Creek	Chehalis River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.18 N., R.5 W., at road crossing $\frac{1}{2}$ miles south of McCleary.	6.47	8-17-44	1.26
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.17 N., R.5 W., at road crossing $2\frac{1}{2}$ miles north of Malone.	15.7	9- 1-42 9-21-42 7-20-44 8-18-44 9-19-44 10-19-44 8-26-58	2.75 2.39 2.19 2.53 3.40 4.48 2.16
Sand Creek	Mox Chehalis Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.17 N., R.5 W., 1,000 ft above mouth.	6.64	8-18-44	.23
Mox Chehalis Creek	Chehalis River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.17 N., R.5 W., 1 mile above Malone.	26.0	10-23-42	3.14
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17 T.17 N., R.5 W., at State Highway 9.	26.8	7- 2-42 7-21-42 8- 1-42 8-14-42 9- 1-42 9-16-42 10- 1-42 7-20-44 8-18-44 9-19-44 10-19-44 2- 5-52 8-26-58	10.3 8.73 6.90 3.78 2.94 2.66 3.66 4.67 2.67 4.02 4.48 336 2.34
Eaton Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.17 N., R.5 W., at road crossing $\frac{1}{2}$ miles southwest of Malone.	2.20	9- 1-42 8-16-44	.34 .59
Delezeze Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.17 N., R.6 W., at road crossing near mouth.	14.2	7- 8-42 7-21-42 8-12-42 8-26-42 9-12-42 9-29-42 10-10-42 10-20-42 7-19-44 8-16-44 9-19-44 10-20-44 2- 5-52 8-26-58	7.01 6.55 3.82 3.07 2.00 2.57 2.46 2.85 2.68 2.19 3.50 2.63 223 1.67
Cloquallum River (formerly Cloquallum Creek)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.19 N., R.5 W., at road crossing upstream from Lystair (Cheadle) Lake outlet.	14.8	8-17-44	7.40
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.18 N., R.5 W., at road crossing below Stump Lake.	20.3	7- 8-42 7-21-42 8-13-42 8-26-42 9- 4-42 9-30-42 10-12-42 10-20-42 7-20-44 8-17-44 9-20-44 10-20-44	15.6 16.5 10.5 9.35 7.78 7.20 9.00 7.40 12.5 9.26 32.5 9.03
Power Creek	Cloquallum River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.18 N., R.6 W., at road crossing 200 ft above bridge near mouth.	3.34	8-17-44	.71

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Falls Creek	Cloquallum River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.18 N., R.6 W., at Stamper Road.	3.46	8-17-44	2.14
Bush Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.18 N., R.5 W., at road crossing $\frac{1}{4}$ mile west of White.	3.62	7-10-43 8- 3-43	2.54 2.01
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.18 N., R.5 W., at road crossing $\frac{1}{4}$ mile above mouth.	4.08	10-13-43 8-17-44	1.81 1.36
Cloquallum River	Chehalis River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.18 N., R.5 W., at U. S. Highway 410.	39.2		
East Fork Wildcat Creek	Wildcat Creek	South line SW $\frac{1}{4}$ sec.11, T.18 N., R.5 W., at U. S. Highway 410 at McCleary.	b4.77	7-20-44 8-17-44 9-20-44 10-19-44 8-26-58	.17 .16 6.32 1.63 .06
Wildcat Creek	Cloquallum River	NE $\frac{1}{4}$ sec.30, T.18 N., R.5 W., at gaging station "near Elma," (operated July to Nov. 44).	b19.8	7- 8-42 7-21-42 8-13-42 8-26-42 9-14-42 9-30-42 10-10-42 10-20-42	11.5 13.2 9.11 4.97 4.97 5.33 5.54 5.55
Cloquallum River	Chehalis River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.18 N., R.6 W., at gaging station "at Elma." Operated July 1942 to Oct. 1943 (fragmentary), July 1944 to 1960.	b64.9	6- 7-42 6-29-44	61.4 37.5
Chehalis River	Grays Harbor	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.17 N., R.6 W., at gaging station "at South Elma," (operated July to Dec. 1942, July, Oct. 1943, July to Dec. 1944, Oct. 1946 to Mar. 1952).	1,417	1-15-43 6-29-44 1-26-45	3,300 628 4,170
Workman Creek	Chehalis River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.17 N., R.6 W., at road crossing $\frac{1}{4}$ mile west of South Elma.	10.6	7- 8-42 7-20-42 8-12-42 8-26-42 9-14-42 9-29-42 10-10-42 10-20-42 7-19-44 8-16-44 9-19-44 10-20-44 8-26-58	5.68 7.16 3.23 2.73 1.94 2.06 2.31 2.41 2.61 1.64 3.47 3.81 1.36
Vance Creek	Newman Creek	West line NW $\frac{1}{4}$ sec.34, T.18 N., R.6 W., at U. S. Highway 410.	4.02	8-25-42 7-10-43 8- 3-43 10-13-43 8-16-44	.39 5.18 3.72 4.16 .30
Newman Creek	Chehalis River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.5, T.17 N., R.6 W., at road crossing near mouth.	22.9	7- 8-42 7-21-42 8-12-42 8-27-42 9-14-42 9-30-42 10-12-42 10-20-42 7-19-44 8-16-44 9-19-44 10-20-44 9-26-58	19.5 20.5 16.4 14.4 12.0 13.7 12.6 15.0 14.5 11.8 15.0 14.0 7.20
East Fork Satsop River	Satsop River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.19 N., R.5 W., at road crossing 2 miles above fish hatchery.	23.2	9-11-45 11-29-45 10-15-46	46.4 335 73.2
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.19 N., R.6 W., at gaging station "near Matlock," (operated Nov. 1945 to Oct. 1947).	b25.6		
Spring Inflow	Bingham Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.20 N., R.6 W., at road crossing $\frac{1}{4}$ miles east of Matlock.	-	7-22-42 8-28-42	3.00 2.12

b Revised.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Bingham Creek	East Fork Satsop River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.19 N., R.6 W., at gaging station "near Matlock," (operated Apr. 1946 to Oct. 1948).	b33.7	7- 9-42 7-22-42 8-13-42 8-28-42 9-14-42 10- 2-42 10-12-42 10-23-42	47.4 46.8 37.7 31.0 27.7 24.6 20.6 20.4
East Fork Satsop River	Satsop River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.19 N., R.6 W., at gaging station "near Elma," (operated Feb. 1957 to 1960).	b65.9		
East Fork Satsop River (formerly East Middle Fork)	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.19 N., R.6 W., at road crossing near Hatchery Grange.	80.0	9-23-24 7-10-42 7-23-42 8-14-42 8-27-42 9-16-42 10- 1-42 10-13-42 10-22-42	89.3 125 123 102 91.9 79.6 84.7 73.3 71.7
Decker Creek	East Fork Satsop River	North line NW $\frac{1}{4}$ sec.17, T.20 N., R.6 W., at road crossing at Deckenville.	3.89	7- 9-42 7-22-42 8-15-42 8-28-42 9-15-42 10- 2-42 10-12-42 10-23-42	9.85 9.86 7.59 7.22 6.69 5.62 5.70 5.38
Dry Creek	Dry Bed Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.20 N., R.6 W., at road crossing near mouth.	7.72	8-28-42	1.95
Decker Creek (formerly Middle Fork Satsop River)	East Fork Satsop River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.19 N., R.6 W., at bridge $\frac{1}{4}$ mile above mouth.	46.6	9-23-24 7-10-42 7-23-42 8-14-42 8-27-42 9-16-42 10- 1-42 10-13-42 10-22-42	170 92.5 87.0 71.4 89.3 59.1 59.4 52.5 52.0
Middle Fork Satsop River	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.20 N., R.7 W., at Kelly Road bridge.	38.2	7- 9-42 7-24-42 8-15-42 8-28-42 9-15-42 10- 2-42 10-12-42 10-23-42	66.9 96.9 44.8 35.0 27.0 24.6 24.4 25.3
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.19 N., R.7 W., at gaging station "near Satsop," (operated July to Oct. 1942 and July to Oct. 1943).	b58.9	6-11-42	402
Cook Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.18 N., R.6 W., at East Satsop Road near mouth.	4.82	7-10-42 8-14-42 9-16-42 10-13-42	2.19 1.25 1.15 1.42
West Fork Satsop River tributary (formerly unnamed stream)	West Fork Satsop River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.21 N., R.2 W., (crest-stage gage "Satsop River, West Fork tributary near Matlock").	.33	- -58 4-29-59 11-20-59	20.7 70 68
West Fork Satsop River	Satsop River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.20 N., R.7 W., at Cougar Smith Road.	67.2	7- 9-42 7-24-42 8-15-42 8-29-42 9-15-42 10- 2-42 10-14-42 10-23-42	151 196 84.8 65.0 52.0 52.5 75.0 48.8
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.18 N., R.7 W., at Middle Satsop Road $\frac{1}{2}$ mile above confluence with East Fork Satsop River.	94.9	7-10-42 7-23-42 8-14-42 8-27-42 9-16-42 10- 1-42 10-13-42 10-22-42	165 231 98.2 75.4 56.7 111 57.2 59.9

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Satsop River tributary (formerly unnamed creek)	Satsop River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.18 N., R.7 W., at East Satsop Road near mouth.	0.36	9-16-42	1.97
Satsop River	Chehalis River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.18 N., R.7 W., at gaging station "near Satsop," (operated Mar. 1929 to 1960).	299		
Stevens Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.17 N., R.7 W., at South Bank Road.	1.65		
Camp Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.17 N., R.7 W., at U. S. Highway #10.	1.42	9-10-42	2.08
Chehalis River	Grays Harbor	Near center N $\frac{1}{2}$ sec.18, T.17 N., R.7 W., at road crossing $\frac{1}{2}$ miles south of Montesano, (crest-stage gage operated since Jan. 1949 for stage only).	1,782	12- 6-46 11- 3-55 11-28-55 11-29-55 11-29-55 12-23-55 12-23-55	22,300 m42,600 m36,700 m39,000 m34,700 m51,700 m44,500
Wynoochee River	Chehalis River	SE $\frac{1}{4}$ sec.27, T.23 N., R.7 W., above West Branch.	16.4		
West Branch Wynoochee River	Wynoochee River	SE $\frac{1}{4}$ sec.27, T.23 N., R.7 W., at mouth.	9.00		
Wynoochee River	Chehalis River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.22 N., R.7 W., above Big Creek.	43.7		
Big Creek	Wynoochee River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.22 N., R.7 W., at mouth.	9.70		
Wynoochee River	Chehalis River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.21 N., R.8 W., at gaging station "at Oxbow, near Aberdeen," (operated May 1925 to Oct. 1952).	b70.7	8-25-22 8-14-24	140 85.2
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.21 N., R.8 W., at gaging station "above Save Creek near Aberdeen," (operated Oct. 1951 to 1960).	b74.1	9-27-51	103
Schafer Creek	Wynoochee River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.20 N., R.8 W., at mouth.	12.9		
Wynoochee River	Chehalis River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.20 N., R.8 W., at gaging station "near Montesano," (operated Feb. 1923 to Sept. 1930).	107	10- 7-30	281
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.19 N., R.8 W., at measuring site for above station.	112		
Carter Creek	Wynoochee River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.19 N., R.8 W., at road crossing near mouth.	5.67	7-11-42 7-24-42 8-15-42 8-29-42 9-15-42 10- 2-42 10-14-42 10-23-42	5.40 4.59 2.01 1.45 1.08 1.63 2.89 1.17
Helm Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.19 N., R.8 W., at road crossing $\frac{1}{2}$ mile above mouth.	3.92	7-11-42 7-24-42 8-15-42 8-29-42 9-15-42 10- 2-42 10-14-42 10-23-42	6.53 3.77 1.65 1.55 1.44 2.64 5.40 1.83
Wynoochee River	Chehalis River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.18 N., R.8 W., at road crossing.	133		
Wedekind Creek	Wynoochee River	East line NE $\frac{1}{4}$ sec.29, T.18 N., R.8 W., at road cross $\frac{1}{2}$ mile above mouth.	7.23	7- 6-42 7-18-42 8-11-42 8-25-42 9-10-42 9-30-42 10-15-42 10-24-42	7.27 11.7 4.56 2.92 2.31 3.43 9.29 3.36

b Revised

m Measurements to include release from storage in tidal prism.

PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
City of Aberdeen Wynoochee River Intake	Wynoochee River (diverts from right bank)	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.18 N., R.8 W., at City of Aberdeen pumping station.	-	8-11-42	55.5
				9- 9-42	57.1
				10-15-42	58.0
Wynoochee River	Chehalis River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.18 N., R.8 W., 1,000 ft below City of Aberdeen intake.	148	9-12-55	119
				9-19-55	204
				8-28-56	120
				9-17-56	126
				10- 9-56	254
Mooney Creek	Wynoochee River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.18 N., R.8 W., at road crossing $\frac{1}{2}$ mile above mouth.	b3.12	7- 6-42	3.32
				7-29-42	2.63
				8-25-42	1.83
				9-15-42	1.16
				10-14-42	4.35
				7-28-55	2.18
				8- 8-55	2.44
				8-30-55	2.23
				9-20-55	1.32
				8-28-56	1.12
				9-17-56	2.55
10- 9-56	3.11				
Caldwell Creek (formerly Pirbrook Creek)	.....do.....	West line SW $\frac{1}{4}$ sec.27, T.18 N., R.8 W., at road crossing $\frac{1}{4}$ mile above mouth.	1.33	7-28-55	3.81
				8- 8-55	.94
				8-30-55	1.49
				9-20-55	.82
Wynoochee River	Grays Harbor	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.18 N., R.8 W., at gaging station "above Black Creek, near Montesano" (operated 1957-60).	b155		
Black Creek	Wynoochee River	SW $\frac{1}{4}$ sec.11, T.18 N., R.8 W., above Bitter Creek (revised).	b7.57	10- 9-56	8.34
Do.....	.....do.....	SW $\frac{1}{4}$ sec.14, T.18 N., R.8 W., at first road bridge 4 miles up Black Creek Road (revised).	-	7-28-55	14.3
				8- 8-55	12.0
				8-30-55	3.51
				9-20-55	3.55
Bitter Creek	Black Creek	SW $\frac{1}{4}$ sec.11, T.18 N., R.8 W., at mouth.	7.86		
Black Creek	Wynoochee River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.18 N., R.8 W., at 4th road crossing from mouth.	b22.1	8-28-56	2.46
				9-17-56	6.65
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.18 N., R.8 W., at 2nd road crossing from mouth $\frac{1}{2}$ miles above mouth (revised).	23.9	6-30-42	24.4
				7-18-42	24.8
				8-11-42	3.90
				8-29-42	3.92
				9-15-42	2.72
				9-30-42	3.57
				10-14-42	6.36
				10-24-42	4.34
Wynoochee River	Chehalis River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.18 N., R.8 W., at gaging station "below Black Creek, near Montesano" (operated July 1942 to Nov. 1949, Sept. 1954).	b180	11-27-49	14,600
				11-29-49	4,370
				8- 7-50	186
				8-14-51	50.6
				9-26-51	115
				10-24-51	3,650
				12-11-51	1,340
				4-13-52	1,130
				8-13-52	113
				12-12-52	12,600
				1-23-53	19,200
				1-24-53	10,600
				3-19-53	1,780
				8-28-53	198
				9-28-53	1,150
				1-10-54	3,290
				3-25-54	742
				5- 5-54	517
				9-15-54	242
				11- 9-54	1,900
				11-19-54	16,600
				1- 6-55	1,670
				7-12-55	407
7-28-55	876				
8- 8-55	413				
8-30-55	164				
9-20-55	208				
6-13-56	1,250				
7-17-56	495				
8-28-56	148				

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chehalis River basin--Continued					
Wynoochee River (Cont.)	Chehalis River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.18 N., R.8 W., at gaging station "below Black Creek, near Montesano.		9-17-56	144
				10- 9-56	271
				7-11-57	212
				9-17-57	94.2
				3-25-58	1,440
				6- 9-58	327
				6-23-58	69.9
				8-15-58	26.2
				8-28-58	54.0
				10- 7-58	169
				5-28-59	739
				6-18-59	571
				8- 3-59	99.6
				8-21-59	58.3
8-24-59	76.0				
7-20-60	155				
8-12-60	61.0				
12- 7-60	1,080				
Geisler Creek	Wynoochee River	East line NE $\frac{1}{4}$ sec.33, T.18 N., R.8 W., at road crossing.	b1.24	7-28-55	1.31
Do.....	.....do.....	Near center NE $\frac{1}{4}$ sec.34, T.18 N., R.8 W., at lower road crossing.	b1.44	8- 8-55	1.08
				8-30-55	1.17
Wynoochee River	Chehalis River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.17 N., R.8 W., 1,000 ft below gravel pit.	b185	9-14-55	139
				9-19-55	231
Sylvia Creek	Wynoochee River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.18 N., R.7 W., at outlet of Sylvia Lake.	5.07		
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.17 N., R.8 W., at U. S. Highway 410 at Montesano.	b7.96	7-28-55	9.65
				8- 8-55	6.83
				8-30-55	3.49
				9-20-55	3.25
Chehalis River	Grays Harbor	E $\frac{1}{2}$ sec.9, T.17 N., R.9 W., above Wishkah River, at Aberdeen.	2,012		
Wishkah River	Chehalis River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.21 N., R.8 W., at Aberdeen Reservoir.	10.7		
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.19 N., R.9 W., above West Fork at Greenwood Road.	33.7	7-17-42	157
				7-28-42	49.9
				8-22-42	21.0
				9- 8-42	17.6
				9-18-42	14.8
				10- 3-42	25.2
				10-16-42	24.4
				10-26-42	17.6
West Fork Wishkah River	Wishkah River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.19 N., R.9 W., at mouth.	21.8		
Wishkah River	Chehalis River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.19 N., R.9 W., at gaging station "near Wishkah," (operated July to Oct. 1942 and 1943).	56.7	11-26-49	†4,480
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.18 N., R.9 W., above East Fork at Wishkah Road.	59.9	11-23-55	794
				12-12-55	2,090
East Fork Wishkah River	Wishkah River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.19 N., R.9 W., at road crossing 1 mile above mouth.	22.6	7-17-42	59.3
				7-28-42	23.1
				8-22-42	10.4
				9- 8-42	8.28
				9-18-42	7.70
				10- 3-42	16.1
				10-16-42	13.4
				10-26-42	9.23
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.18 N., R.9 W., at mouth.	23.2		
Wishkah River	Chehalis River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.17 N., R.9 W., at U. S. Highway 410 near mouth.	102		
Chehalis River	Grays Harbor	E $\frac{1}{2}$ sec.9, T.17 N., R.9 W., at U. S. Highway 101 at Aberdeen.	2,114		

b Revised.

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Hoquiam River basin					
West Fork Hoquiam River	Hoquiam River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.18 N., R.10 W., at gaging station "near Hoquiam," (operated July to Oct. 1942, 1943).	15.5	6-10-42	43.2
Polson Creek	West Fork Hoquiam River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.18 N., R.10 W., at road crossing at mouth.	2.46	7-16-42	8.65
				7-27-42	3.42
				8-21-42	2.70
				9- 3-42	2.32
				9-19-42	2.13
				10- 7-42	2.32
				10-17-42	2.20
10-29-42	3.91				
Bernard Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.18 N., R.10 W., $\frac{1}{4}$ mile above bridge on U. S. Highway 101.	1.48	9- 3-42	1.00
Middle Fork Hoquiam River	Hoquiam River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.18 N., R.10 W., below Junction Creek.	11.1	9- 3-42	6.10
Little Hoquiam River	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.17 N., R.10 W., 1 $\frac{1}{4}$ miles above North Fork.	2.85	9- 9-42	2.60
North Fork Little Hoquiam River	Little Hoquiam River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.18 N., R.10 W., 1 $\frac{1}{2}$ miles above mouth.	3.22	9- 4-42	1.19
East Fork Hoquiam River	Hoquiam River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.18 N., R.9 W., 50 ft above Berryman Creek.	25.8	7-16-42	64.4
				7-28-42	30.9
				8-21-42	22.2
				9- 8-42	19.2
				9-18-42	18.1
				10- 8-42	18.7
				10-16-42	20.2
10-26-42	24.2				
Berryman Creek	East Fork Hoquiam River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.18 N., R.9 W., at mouth.	1.09	7-16-42	2.72
				7-28-42	1.00
				8-21-42	.55
				9- 8-42	.40
				9-18-42	.36
				10- 8-42	.63
				10-16-42	.81
10-26-42	1.44				
Chenois Creek basin					
Chenois Creek	North Bay (Grays Harbor)	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.18 N., R.11 W., $\frac{3}{4}$ mile below Ocean Beach Road and 6 miles northwest of Hoquiam.	4.20	9- 3-42	4.76
Humptulips River basin					
Humptulips River	Grays Harbor	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.20 N., R.10 W., at gaging station "near Humptulips," (operated May 1933 to Jan. 1935, July 1942 to 1960).	130	6- 9-42	1,110
Stevens Creek	Humptulips River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.20 N., R.11 W., 300 ft below fish ladder at mouth.	28.2	7-14-42	56.5
				7-27-42	34.3
				8-19-42	18.2
				9- 5-42	13.9
				9-19-42	9.85
				10- 7-42	11.9
				10-19-42	11.8
10-29-42	29.1				
Big Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.19 N., R.10 W., at Larson Road, 300 ft east of U. S. Highway 101, crest-stage gage "near Hoquiam," (operated 1949 to 1960).	.56	2-22-49	72.0
				12-28-49	95.4
				2- 9-51	81.5
				1-30-52	25.2
				1-22-53	123
				12-11-53	82.7
				1- 6-54	27.6
				11-18-54	67.2
				1-16-55	119.3
				11- 3-55	110
				12- 9-56	120
				1-16-58	51.5
				1-23-59	34
11-22-59	93				

\* Discharge measurement.

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Humptulips River basin--Continued					
Big Creek tributary	Big Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.19 N., R.10 E., at U. S. Highway 101, (crest-stage gage "near Hoquiam").	0.15	2-22-49 12-28-49 2- 9-51 1-30-52 1-22-53 12-11-53 1- 6-54 11-18-54 11-18-54 11- 3-55 12- 9-56 1-16-58 1-23-59 11-22-59	20.5 13.8 20.8 6.7 20.8 19.7 49.17 42.9 16.2 22.9 23.2 13.5 12.2 24
Big Creek	Humptulips River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.19 N., R.11 W., at road crossing at mouth.	31.6	7-14-42 7-27-42 8-19-42 9- 5-42 9-19-42 10- 7-42 10-19-42 10-29-42	70.0 49.5 34.2 28.8 26.5 29.7 30.8 41.4
Humptulips River	Grays Harbor (North Bay)	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.19 N., R.11 W., 0.35 mile above bridge on Highway 9C.	235	7-14-42 8-19-42 9-19-42 10-19-42	735 296 204 251
Do.....	Grays Harbor (North Bay)	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.19 N., R.11 W., at highway bridge.	23.4	11-18-60 12- 6-60	8,160 1,840
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.19 N., R.11 W., at Northern Pacific railroad bridge.	236	12-20-60	5,150
Burg Slough	Humptulips River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.18 N., R.11 W., at Bridge No. 5 on Highway 9C.at Tulips.	3.59	9- 2-42	1.30
Johns River basin					
Johns River	Grays Harbor	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.16 N., R.10 W., at gaging station "near Markham," (operated July to Oct. 1942, 1943).	19.2	6-10-42	68.3
Atwood Creek	Johns River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.16 N., R.10 W., at road bridge near mouth.	2.10	7-13-42 7-25-42 8-18-42 8-31-42 9-14-42 10- 6-42 10-17-42 10-27-42	1.58 1.58 1.10 .90 .88 1.02 1.17 4.89
Johns River tributary (formerly Swamp Creek)	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.16 N., R.10 W., at Johns River Road bridge 3.4 miles from junction with State Highway 13A.	-	9- 1-42	.96
Gold Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.16 N., R.10 W., at Johns River Road bridge.	1.14	9- 1-42	1.41
Minor basins between Johns River and Newkahn Creek					
Oleary Creek	Grays Harbor	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.17 N., R.10 W., at State Highway 13A.	3.46	9- 1-42	4.22
Stafford Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.17 N., R.10 W., at State Highway 13A.	1.98	9- 1-42	1.35
Indian Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.17 N., R.10 W., at State Highway 13A.	2.19	8-31-42	2.18
Campbell Creek (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.17 N., R.10 W., at State Highway 13A.	1.40	8-31-42	1.37
Chapin Creek (formerly Campbell Creek)	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.17 N., R.10 W., at State Highway 13A.	1.44	8-31-42	1.26

\* Discharge measurement.

Stream	Tributary to	Location	Drainage area (sq ml)	Date	Discharge (cfs)
Newskah Creek basin					
Newskah Creek	Grays Harbor	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.17 N., R.9 W., at former gaging station "near Aberdeen," (operated Oct. 1945 to Sept. 1949).	7.44		
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.17 N., R.9 W., at farm bridge 1 mile upstream from State Highway 13A and 2 miles south of Aberdeen.	10.6	7-13-42 7-25-42 8-18-42 9- 1-42 9-14-42 10- 6-42 10-17-42 10-27-42 10- 4-49	11.1 10.6 6.09 4.72 4.69 4.32 5.35 9.23 12.8
Charley Creek basin					
Charley Creek (formerly Charlies Creek)	Grays Harbor	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.17 N., R.9 W., at gaging station "near Aberdeen," (operated Oct. 1946 to Sept. 1949).	5.93	7-13-42 7-25-42 8-18-42 8-31-42 9-14-42 10- 6-42 10-17-42 10-27-42 9-15-44 10- 4-49	6.82 5.82 3.84 3.38 2.56 2.63 3.12 4.92 2.77 9.23
Quinault River basin					
Quinault River	Pacific Ocean	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.23 N., R.9 W., 300 ft above Quinault Lake.	226	9-15-10	381
Higley Creek	Quinault River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.23 N., R.10 W., at North Shore Road crossing, (crest-stage gage "Higley Creek near Amanda Park").	.79	11-18-54 11- 3-55 12- 9-56 12-25-57 4-29-59 12-14-59	276 237 409 87 240 164
Quinault River	Pacific Ocean	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.23 N., R.10 W., at gaging station "at Quinault Lake," (operated Oct. 1912 to 1960).	264		
Queets River basin					
Hee Hee Creek	Queets River	SW $\frac{1}{4}$ sec.31, T.26 N., R.8 W., 200 ft above mouth.	1.99	7-21-32 7-22-32	85.9 73.5
Alta Creek (formerly Pelton Creek)	.....do.....	SE $\frac{1}{4}$ sec.6, T.25 N., R.8 W., $\frac{1}{2}$ mile above mouth.	8.46	7-18-32	53.0
Queets River	Pacific Ocean	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.25 N., R.9 W., 400 ft above Tshletshy Creek.	84.9	9-16-32	284
Tshletshy Creek	Queets River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.25 N., R.9 W., near mouth.	30.0	7-12-32 9-16-32	135 37.2
Sams River	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.25 N., R.10 W., 1,000 ft above mouth.	30.9	8-25-32 9-15-32	59.0 36.1
Queets River	Pacific Ocean	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.24 N., R.10 $\frac{1}{2}$ W., at Killea ranger station, at River Mile 22.5. (Staff gage established and readings obtained by Grays Harbor Railway and Light Company of Aberdeen 1925 to 1932).	-	7-29-24 8- 8-25 8-17-51 8-25-32 9-12-32 5-22-33	349 546 334 677 435 1,390
Matheny Creek	Queets River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.24 N., R.11 W., near mouth.	37.8	8-26-32 9-12-32	66.2 48.4
Salmon River	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.24 N., R.12 W., 1/3 mile above mouth.	31.9	9- 3-32 9-15-32	37.7 26.3
Clearwater River	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.24 N., R.12 W., at gaging station "near Clearwater," (operated Oct. 1931 to Sept. 1932, July 1937 to Oct. 1949). Annual peaks 1950 to 1953 from high-water marks in well; crest-stage gage installed 1953.	140	6-25-25 8- 6-25 8-30-25 8-24-26 9-13-27 9-28-28 8-25-31 9- 8-31 11- 4-49 11-26-49 2-10-51 1-30-52	256 111 105 119 446 92.1 91.4 394 542 28,200 26,500 14,600

## PACIFIC SLOPE BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Queets River basin--Continued					
Clearwater River (Cont.)	Queets River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.24 N., R.12 W., at gaging station "near Clearwater."		1-31-53	21,500
				12-12-53	20,800
				11-18-54	32,600
				11- 3-55	37,400
				12- 9-56	36,500
				12-25-57	13,400
				4-29-59	24,300
				1-29-60	20,300
Hurst Creek	Clearwater River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.24 N., R.12 W., 300 ft above Clearwater road crossing.	8.47	1-30-32	37.9
Queets River	Pacific Ocean	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.24 N., R.13 W., at Fishers Rapids and below Fisher Creek.	-	6-24-25	1,870
				8- 5-25	793
				8-30-25	568
				8-23-26	663
				9-14-27	1,460
				9-28-28	440
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.24 N., R.13 W., at gaging station "near Clearwater," (operated Sept. 1950 to Nov. 1949). Crest-stage gage Nov. 1949 to 1960.	445	11-26-49	93,000
				2-10-51	86,100
				1-30-52	45,700
				1-31-53	64,400
				1- 5-54	63,400
				11-18-54	93,000
				11- 3-55	118,400
				12- 9-56	108,400
				12-25-57	49,400
				4-29-59	74,900
				1-29-60	60,500
Mount Tom Creek	Hoh River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.27 N., R.10 W., one mile above mouth.	19.2	8-20-25	93.8
South Fork Hoh River	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.27 N., R.10 W., $\frac{1}{2}$ mile above mouth.	53.2	8-19-25	247
Hoh River	Pacific Ocean	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.27 N., R.11 W., at gaging station "near Forks" (formerly "near Spruce). Operated Aug. 1926 to 1960.	207	8-18-25	900
				11-11-25	1,950
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.27 N., R.12 W., at "Oxbow Dam site" and at gaging station established Oct. 20, 1960, "at U. S. Highway 101, near Forks."	253	6-18-25	1,900
				8-17-25	869
Quillayute River basin					
Soleduck River	Quillayute River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.29 N., R.10 W., 1.3 miles above North Fork.	-	9-18-24	47.0
North Fork Soleduck River	Soleduck River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.29 N., R.10 W., at crossing of Sol Duc Hot Springs road near mouth.	30.9	9-18-24	20.9
Soleduck River	Quillayute River	In lot 4, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.30 N., R.10 W., at gaging station "near Fairholm," (operated Oct. 1917 to Sept. 1921, Oct. 1933 to 1960).	83.8	8-29-17	164
				8-30-17	163
				11-13-21	518
				8-10-22	159
				9-14-22	87
				10- 5-23	80
				2- 2-24	1,790
				7-19-24	114
				9-14-24	48.2
				11-17-24	898
				4-14-25	536
				5-23-25	540
				7-13-25	399
				8-27-25	120
				5-29-26	401
				9-13-26	52.0
				4-28-27	909
				7-21-27	321
				8-25-27	118
				7-21-28	157
Soleduck River tributary (formerly unnamed stream)	Soleduck River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.30 N., R.10 W., 800 ft below gaging station, (crest-stage gage "Soleduck River tributary near Fairholm").	.42	11- 3-55	47.8
				12- 9-56	52.1
				12-25-57	17.3
				4-29-59	20
				12-14-59	17



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Quillayute River basin--Continued					
Soleduck River	Quillayute River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.30 N., R.11 W., at gaging station "at Snider ranger station, near Beaver," (operated Oct. 1921 to Sept. 1928, fragmentary).	116	8-29-17 8-30-17 8- 9-22 9-14-22 10- 5-22 10- 6-22	159 134 127 78 65 102
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.29 N., R.13 W., at crossing of U. S. Highway 101.	208	7-25-00	550
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.28 N., R.14 W., at gaging station "near Quillayute," (operated Nov. 1897 to Dec. 1901).	219	9- 7-97	858
May Creek	Bogachiel River	South line SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.28 N., R.13 W., at U. S. Highway 101, (crest-stage gage "near Forks").	2.03	12-28-49 2-10-51 1-30-52 1- 2-53 1- 7-54 2-17-54 21-54 11-18-54 11- 3-55 12- 9-56 12-25-57 4-29-59 12-14-59	475 439 278 427 #64.5 428 624 554 617 303 522 582
Grader Creek	Bogachiel River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.28 N., R.13 W., at U. S. Highway 101, (crest-stage gage "near Forks").	1.69	11-26-49 2-10-51 11-30-51 1-31-53 2-19-54 11-18-54 11- 3-55 12- 9-56 12-25-57 4-29-59 12-14-59	235 265 210 335 288 407 503 520 199 334 415
Calawah River	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.28 N., R.14 W., at gaging station "near Forks," (operated Nov. 1897 to Dec. 1901; operated "at Forks," 1897 to 1899).	129	9- 6-97	467
Minor basins between Quillayute and Lyre Rivers					
Clallam River	Clallam Bay	Near East Clallam	-	3-29-01 6-21-01 8-20-01	100 12 6
Pysht River (formerly West Fork Pysht River)	Strait of Juan de Fuca	Sec.13, T.31 N., R.12 W., at the Forks.	-	5-29-01 6-21-01 9-20-01	114 29 4
South Fork Pysht River (formerly East Fork of Pysht River)	Pysht River	Sec.13, T.31 N., R.12 W., at the Forks.	-	6-21-01	19
Lyre River basin					
Cross Creek	Lake Crescent	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.30 N., R.9 W., at U. S. Highway 101, (crest-stage gage "near Fairholm").	.92	11-26-49 2- 9-51 11-27-51 1- 9-53 1- 5-54 11-18-54 11- 3-55	112 59.7 15.8 36.0 55.0 27.1 208
Lake Crescent tributary (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.30 N., R.9 W., at U. S. Highway 101, (crest-stage gage "Lake Crescent tributary near Piedmont").	.79	11- 3-55 12- 9-56 12-25-57	94.5 175 45
Lyre River	Strait of Juan de Fuca	South line of NE $\frac{1}{4}$ sec.15, T.30 N., R.9 W., at railroad bridge below Lake Crescent at gaging station "at Piedmont," (operated Oct. 1917 to Sept. 1927).	48.5	8-31-17 9-26-58	67.8 39.4
Salt Creek basin					
Salt Creek	Crescent Bay	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.30 N., R.8 W., at crossing of Piedmont Road 1 mile east of Ramapo.	4.09	8-18-52 9-15-52	.40 .34

† Discharge measurement.

## STRAIT OF JUAN DE FUCA BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Salt Creek basin--Continued					
Salt Creek	Crescent Bay	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.30 N., R.8 W., at gaging station "near Port Angeles," (operated May to Nov. 1952).	7.07		
Salt Creek tributary (formerly unnamed creek)	Salt Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.30 N., R.8 W., at Piedmont Road crossing at Ramapo.	2.00	9-15-52	0.09
Salt Creek tributary No. 2 (formerly unnamed creek)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.30 N., R.8 W., at Piedmont Road crossing, $\frac{1}{2}$ mile east of Ramapo.	1.49	6-18-52 7-10-52 7-29-52 8-13-52 8-18-52 9-15-52 10- 7-52	.48 .30 .40 .26 .20 .15 .17
Salt Creek	Crescent Bay	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.31 N., R.8 W., at Camp Hayden, 2.6 miles downstream from gage, 1 mile above mouth.	15.9	6-18-52 7-10-52 7-29-52 8-13-52 8-18-52 9-15-52 10- 7-52	2.99 1.10 1.65 .52 .88 .73 .60
Coville Creek	Freshwater Bay	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.30 N., R.7 W., at State Highway 9A (Piedmont Road).	3.67	8-18-52 9-15-52	0 0
Elwha River basin					
Elwha River	Strait of Juan de Fuca	SE $\frac{1}{4}$ sec.17, T.29 N., R.7 W., at powerplant.	245	9- 7-19	n53,2
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.30 N., R.7 W., at gaging station "at McDonald bridge, near Port Angeles," (operated Oct. 1897 to Dec. 1902, Oct. 1918 to 1960).	269	7-31-18 8-12-18 8-27-18 9-16-18 9-23-18 9-24-18 9-30-18	832 650 526 477 346 328 475
Little River	Elwha River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.30 N., R.7 W., near mouth.	23.0	6-16-99 3-15-00 5-31-00 6-27-00 7-20-00 8-22-00 10-30-00 2-28-01 4-29-01 9-26-01 10-29-01 11-27-01 8-19-52 9-17-52	84 174 68 54 28 20 52 147 55 13 20 457 13.6 10.8
Indian Creek	Elwha River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.30 N., R.7 W., near mouth.	a20	6-16-99	45
Elwha River	Strait of Juan de Fuca	N $\frac{1}{2}$ sec.28, T.30 N., R.7 W., below Indian Creek.	a312	10-25-98	586
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.30 N., R.7 W., below Olympic powerplant at gaging station "near Port Angeles," (operated May to Sept. 1911).	315	4-10-11 10-24-11 1-20-12 6-10-12	1,210 445 1,680 2,340
Port Angeles Industrial Canal	Elwha River (diverts from right bank)	NE $\frac{1}{4}$ sec.10, T.30 N., R.7 W., at road bridge and staff gage just below railroad bridge.	-	8-28-51 10-18-51 11-29-51 12- 5-51 1-17-52 2-28-52 4-10-52 5-15-52 6-17-52 8- 7-52 9-16-52 10-30-52 12- 4-52 1-14-53 3-12-53 4-16-53 5-20-53 7-15-53 8-25-53	125 116 175 161 117 133 138 158 167 142 115 130 122 189 122 111 145 151 116

a Approximately  
n Leakage under dam.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Elwha River basin--Continued					
Port Angeles Industrial Canal	Elwha River (diverts from right bank)	NE $\frac{1}{4}$ sec.10, T.30 N., R.7 W., at road bridge and staff gage just below railroad bridge.		9-24-53 10-28-53 12- 5-53 1- 8-54 2-19-54 3-23-54 5-14-54 6-23-54 7-26-54	103 108 152 159 190 120 141 138 145
Elwha River	Strait of Juan de Fuca	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.30 N., R.7 W., at gaging station "below diversion, near Port Angeles," (operated Aug. to Nov. 1951, Sept. 1952 to Sept. 1954).  (See addendum for additional measurements)	318	12- 5-51 1-17-52 2-28-52 4-10-52 4-10-52 5-15-52 6-17-52 8- 6-52 9-16-52 10- 7-54 3-18-58 4-23-58 6- 3-58 7-21-58 8-27-58 10- 2-58	1,780 505 983 913 1,160 1,970 2,080 1,020 384 954 861 1,670 2,720 951 597 288
Minor basins between Elwha and Dungeness Rivers					
Dry Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.30 N., R.7 W., at State Highway 9A.	2.69	8-18-52 9-15-52	0 0
Tumwater Creek	Port Angeles Harbor	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.30 N., R.6 W., at small wooden bridge, 1,000 ft above mouth, in Port Angeles.	5.54	2-16-49	†490
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.30 N., R.6 W., at culvert, 500 ft above mouth, in Port Angeles.	5.59	6-18-52 7-10-52 7-29-52 8-13-52 8-19-52 9-17-52 10- 7-52	2.15 1.39 1.21 .93 1.04 .94 .85
East Valley Creek	Valley Creek	Center of south line of NW $\frac{1}{4}$ sec.15, T.30 N., R.6 W., at Hister Road crossing, $\frac{1}{4}$ mile south of Port Angeles.	.69	2-24-50 2-10-51 12-18-51 1- 8-53 1- 5-54 2- 7-55 11- 3-55 12- 9-56 12-25-57 1-24-59 1-29-60	31.7 15.0 7.0 15.7 38.0 27.5 23.1 30.4 11.6 17 38
Valley Creek	Port Angeles Harbor	SW $\frac{1}{4}$ sec.3, T.30 N., R.6 W., 200 ft above culvert and 500 ft above mouth, in Port Angeles.	4.20	8-19-52 9-17-52	.31 .23
Peabody Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.30 N., R.6 W., at culvert 2 blocks east of Lincoln Street, $\frac{1}{4}$ mile above mouth, in Port Angeles.	2.55	2-16-49 8-20-52	†279 9.93
White Creek	Ennis Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.30 N., R.6 W., at U. S. Highway 101.	2.22	8-19-52 9-17-52	.08 .11
Ennis Creek	Port Angeles Harbor	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.30 N., R.6 W., at gaging station "near Port Angeles," (operated May to Oct. 1952).	7.92	11- 6-52	2.39
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.30 N., R.6 W., at railroad bridge at Rayonier Company plant at Port Angeles.	10.5	2-25-50	†1,980
Lees Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.30 N., R.6 W., at U. S. Highway 101, (crest-stage gage "at Port Angeles").	4.73	2-16-49 2-25-50 2- 9-51 12- 5-51 8-19-52 9-17-52 1-31-53 1- 5-54 2- 7-55 11- 3-55 12- 9-56 1-16-58 1-24-59 1-29-60	316 98.8 99.0 70.0 +.11 +.12 90.8 205 157 114 141 57.5 86 321

† Peak flow.

\* Discharge measurement

## STRAIT OF JUAN DE FUCA BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Elwha and Dungeness Rivers--Continued					
Morse Creek (Formerly Morse River)	Strait of Juan de Fuca	SW $\frac{1}{4}$ sec. 8, T. 30 N., R. 5 W., at U. S. Highway 101.	a56.3	6- 3-99 7- 6-99 9-15-99 9-10-00 3- 8-01 5- 1-01 8- 1-01 8-29-01 9-28-01 8-25-25	242 189 62 51 173 169 122 78 50 39.9
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 30 N., R. 5 W., $\frac{1}{2}$ mile below U. S. Highway 101.	56.4	7-10-52 7-29-52 8-13-52 8-19-52 9-17-52 10- 8-52	104 47.2 30.0 24.6 10.5 6.34
Bagley Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 30 N., R. 5 W., at U. S. Highway 101.	5.32	9-10-47 2-16-49 8-19-52 9-17-52	.63 †436 .63 .96
Siebert Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 30 N., R. 5 W., at gaging station "near Port Angeles," (operated June 1952 to 1960).	16.1	2-16-49	†1,340
McDonald Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 30 N., R. 4 W., above diversion flume at U. S. Highway 101.	21.3	7-11-52 7-29-52 9-11-52 9-17-52 10- 8-52	6.88 5.93 6.26 6.04 4.97
McDonald Creek diversion	McDonald Creek (diverts from right bank)	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 30 N., R. 4 W., at U. S. Highway 101.	-	9-11-52 9-17-52	5.83 5.43
McDonald Creek	Strait of Juan de Fuca	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 30 N., R. 4 W., below diversion flume at U. S. Highway 101.	21.3	9-10-47 7-29-52	1.10 .62
Dungeness River basin					
Dungeness River	New Dungeness Bay	SE $\frac{1}{4}$ sec. 30, T. 29 N., R. 3 W., above road crossing, 1,000 ft above Greywolf River.	71.6	8-23-45 8-31-45 10- 1-46	81.7 78.1 68.6
Greywolf River	Dungeness River	NW $\frac{1}{4}$ sec. 31, T. 29 N., R. 3 W., 600 ft above road bridge, 1 mile above mouth.	75.0	8-23-45 10- 1-46	86.2 65.4
Do.....	.....do.....	SW $\frac{1}{4}$ sec. 30, T. 29 N., R. 3 W., 700 ft above mouth.	76.0	8-31-45	71.2
Dungeness River	New Dungeness Bay	Center sec. 30, T. 29 N., R. 3 W., 400 ft below Greywolf River.	148	8-23-45 8-31-45 9-13-45 8-23-46 10- 1-46 9-11-47	177 151 139 297 141 134
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 29 N., R. 4 W., at gaging station, "near Sequim," (operated June 1937 to 1960).	156		
Do.....	.....do.....	Center of sec. 12, T. 29 N., R. 4 W., at gaging station "near Sequim," (operated June 1923 to Sept. 1930).	156	9-12-22 9-28-23 10-18-30	177 164 197
Canyon Creek	Dungeness River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 29 N., R. 4 W., 200 ft above crossing of Hatchery Road near mouth.	11.9	6-19-52 7-11-52 8- 7-52 8-20-52 9-16-52 10- 9-52	4.85 3.77 2.58 1.87 1.72 1.49
Highland Irrigation District canal	Dungeness River (diverts from left bank)	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 29 N., R. 4 W., 60 ft below weir and 4 miles southwest of Sequim.	-	9-15-22 9-13-45	6.82 9.05
Do.....	Dungeness River (diverts from right bank)	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 29 N., R. 4 W., on hill above road crossing of river.	-	9-15-22	6.8

† Peak flow.

a Approximately.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Dungeness River basin--Continued					
Dungeness River	New Dungeness Bay	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.29 N., R.4 W., at gaging station "below Canyon Creek, near Sequim," (operated July 1897 to July 1898).	170	7-28-98 8-10-22 11- 8-22 2- 6-23	336 262 125 169
Bear Creek	Dungeness River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.30 N., R.4 W., at crossing of Hooker Road.	1.06		
Irrigation ditch	Bear Creek (diverts from left bank)	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.31 N., R.4 W., 500 ft below Fortman Road crossing.	-	8-20-52	.69
Dungeness River	New Dungeness Bay	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.30 N., R.4 W., 300 ft below highway bridge.	-	8- 5-52 8-21-52	202 64.3
Matriotti Creek	Dungeness River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.30 N., R.4 W., at old Olympic Highway crossing, 1 mile north of Carlsborg.	5.31	9- 9-47	7.69
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.31 N., R.4 W., at crossing of Ward Road.	13.6	6-19-52 7-11-52 8- 4-52 8-21-52 9-17-52 10- 8-52	20.0 19.6 17.9 14.4 15.0 11.9
Dungeness River	New Dungeness Bay	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.31 N., R.4 W., at gaging station "at Dungeness," (operated Oct. 1898 to Dec. 1901).	197	7-29-98 9-17-98	327 183
Meadowbrook Creek (formerly unnamed creek)	Dungeness River	On east line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.31 N., R.4 W., at road crossing in Dungeness.	.53	9-10-47 8-20-52	7.18 4.23
Minor basins between Dungeness and Big Quilcene Rivers					
Cassolary Creek (formerly unnamed creek)	Strait of Juan de Fuca	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.5, T.30 N., R.3 W., at State Highway 9F.	3.19	8-21-52	16.5
Glerin Creek (formerly unnamed creek)	.....do.....	On south line SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.30 N., R.3 W., at crossing of Holland Road.	3.13	8-21-52	13.4
Gieren Creek tributary (formerly unnamed creek)	Gieren Creek	On south line SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.30 N., R.3 W., at crossing of Holland Road.	-	8-21-52	.76
Bell Creek	Sequim Bay	On south line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.30 N., R.3 W., at crossing of Keeler Road.	8.86	9-24-42 8-21-52	4.88 3.78
Johnson Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.30 N., R.3 W., 200 ft below U. S. Highway 101.	4.72	7-11-52 8- 7-52 8-20-52 9-10-52 10- 9-52	5.77 1.86 .24 1.08 1.82
Johnson Creek tributary (formerly unnamed creek)	Johnson Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.30 N., R.3 W., at U. S. Highway 101.	.72	9-10-52	0
Sequim Bay tributary (formerly unnamed tributary)	Sequim Bay	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.30 N., R.3 W., at road crossing at mouth.	.42	8-21-52	1.12
Sequim Bay tributary No. 2	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.30 N., R.3 W., at U. S. Highway 101.	1.33	8-20-52	0
Dean Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.29 N., R.3 W., at old highway, 50 ft east of U. S. Highway 101, (crest-stage gage "Dean Creek at Blyn").	2.96	2-22-49 2-25-50 12-24-50 12- 5-51 6-16-52 8-20-52 9-10-52	47.3 33.2 35.1 32.3 4.17 +0 +0

+ Discharge measurement.

## STRAIT OF JUAN DE FUCA BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Dungeness and Big Quilcene Rivers--Continued					
Dean Creek (Cont.)	Sequim Bay	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.29 N., R.3 W., at old highway, 50 ft east of U. S. Highway 101.		1- 8-53 2-13-54 2- 8-55 3- 3-56 2-24-57 12-25-57 11-24-58 1-29-60	21.4 45.0 34.0 49.1 108 16.2 16 44
Sequim Bay tributary No. 3	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.29 N., R.3 W., at U. S. Highway 101 at Blyn.	.85	9-10-52	0
East Fork Jimmycomelately Creek	Jimmycomelately Creek	SW $\frac{1}{4}$ sec.24, T.29 N., R.3 W., at road crossing $\frac{1}{2}$ mile above mouth.	3.47	8-20-52 9-10-52	.71 .62
Jimmycomelately Creek	Sequim Bay	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.29 N., R.3 W., at gaging station site, "near Blyn," (operated May to Nov. 1952).	14.6		
Port Discovery Bay tributary (formerly unnamed creek)	Port Discovery Bay	On south line SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.30 N., R.2 W., at U. S. Highway 101, $\frac{1}{2}$ mile southwest of Gardiner.	.27	8-20-52 9-11-52	0 0
Port Discovery Bay tributary No. 2	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.30 N., R.2 W., at U. S. Highway 101, $\frac{1}{4}$ mile south of Gardiner.	.92	9-11-52	0
Port Discovery Bay tributary No. 3	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.30 N., R.2 W., at U. S. Highway 101, $\frac{1}{4}$ mile southeast of Gardiner.	-	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 4	.....do.....	SW $\frac{1}{4}$ sec.35, T.30 N., R.3 E., at U. S. Highway 101, $\frac{1}{4}$ mile southeast of Gardiner.	-	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 5	.....do.....	SE $\frac{1}{4}$ sec.34, T.30 N., R.2 W., at U. S. Highway 101, $1\frac{1}{4}$ miles southeast of Gardiner.	-	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 6	.....do.....	SW $\frac{1}{4}$ sec.35, T.30 N., R.2 W., at U. S. Highway 101, 1 mile southeast of Gardiner.	.21		
Contractors Creek (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.29 N., R.2 W., at U. S. Highway 101, 2 miles southeast of Gardiner.	2.61	8-18-52 9-11-52	.18 .34
Port Discovery Bay tributary No. 7	.....do.....	SE $\frac{1}{4}$ sec.1, T.29 N., R.2 W., at U. S. Highway 101, $\frac{1}{4}$ mile southeast of Kalset Point.	.25	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 8	.....do.....	SE $\frac{1}{4}$ sec.1, T.29 N., R.2 W., at U. S. Highway 101, $\frac{1}{2}$ mile south of Kalset Point.	-	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 9	.....do.....	SE $\frac{1}{4}$ sec.1, T.29 N., R.2 E., at U. S. Highway 101, $\frac{1}{2}$ mile south of Kalset Point.	-	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 10	.....do.....	SE $\frac{1}{4}$ sec.1, T.29 N., R.2 E., at U. S. Highway 101, 0.6 mile south of Kalset Point.	-	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 11	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.29 N., R.2 E., at U. S. Highway 101, 0.7 mile south of Kalset Point.	-	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 12	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.29 N., R.2 E., at U. S. Highway 101, $\frac{1}{4}$ mile south of Kalset Point.	-	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 13	.....do.....	NE $\frac{1}{4}$ sec.12, T.29 N., R.2 E., at U. S. Highway 101, 0.7 mile northwest of Mill Point.	-	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 14	.....do.....	NW $\frac{1}{4}$ sec.7, T.29 N., R.1 W., at U. S. Highway 101, 0.3 mile northwest of Mill Point.	-	8-18-52 9-11-52	0 0

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Dungeness and Big Quilcene Rivers--Continued					
Spring Creek (formerly unnamed creek)	Port Discovery Bay	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.29 N., R.1 W., at U. S. Highway 101, $\frac{1}{4}$ mile west of Mill Point.	0.29	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 15	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.29 N., R.2 W., at U. S. Highway 101.	-	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 16	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.29 N., R.2 W., at U. S. Highway 101.	.28	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 17	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.29 N., R.2 W., at U. S. Highway 101, $\frac{1}{4}$ mile north of Uncus.	2.46	8-18-52 9-11-52	0 0
Port Discovery Bay tributary No. 18	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.29 N., R.2 W., at U. S. Highway 101, $\frac{1}{2}$ mile northwest of Uncas.	-	8-18-52 9-11-52	0 0
Salmon Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.29 N., R.2 W., at crossing of Snow Creek Road, $4\frac{1}{2}$ miles southwest of Maynard.	4.69	8-20-52 9-10-52	.31 .30
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.29 N., R.2 W., at gaging station "near Maynard," (operated May to Nov. 1952).	16.7		
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.29 N., R.2 W., at U. S. Highway 101.	18.8	8- 5-42 9-24-42 7-25-43 10- 2-43	2.57 1.39 1.57 1.21
Snow Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.28 N., R.2 W., at crossing of Snow Creek Road, 5 miles southwest of Maynard.	4.12	8-20-52 9-10-52	2.01 2.02
Trapper Creek	Snow Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.28 N., R.2 W., at crossing of Snow Creek Road, 5 miles southwest of Maynard.	2.41	8-20-52 9-10-52	.32 .27
Snow Creek	Port Discovery Bay	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.28 N., R.2 W., at gaging station "near Maynard," (operated May 1952 to 1960).	11.2		
Andrews Creek	Crocker Lake	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.28 N., R.2 W., at U. S. Highway 101.	4.55	8-20-52	.39
Do.....	Snow Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.28 N., R.2 W., at gaging station, "near Maynard," (operated May to Sept. 1952).	7.33	10- 9-52	0
Snow Creek	Port Discovery Bay	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.28 N., R.2 W., just below junction with Crocker Lake outlet stream.	-	8- 4-42 9-24-42	4.78 1.64
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.29 N., R.2 W., at U. S. Highway 101, at Uncas.	23.1	8- 5-42 9-24-42 7-25-43 10- 2-43	5.62 2.49 4.08 1.99
Chimacum Creek	Port Townsend Bay	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.28 N., R.1 W., on Highway 9E, 0.4 mile west of Center.	8.55	9-24-42	.80
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.28 N., R.1 W., at road crossing, $\frac{1}{2}$ mile northwest of Center.	9.38	7- 9-52 7-28-52 8-14-52 8-19-52 9-16-52 10- 6-52	1.66 2.06 1.51 2.21 2.18 1.77
Chimacum Creek tributary (formerly unnamed creek)	Chimacum Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.28 N., R.1 W., at road crossing, 0.4 mile northeast of Center.	.33	8-19-52	0
Chimacum Creek	Port Townsend Bay	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.29 N., R.1 W., at road crossing, 2 miles northeast of Center.	12.7	8-19-52	2.92
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.29 N., R.1 W., at gaging station, "near Chimacum," (operated June 1952 to Dec. 1957).	13.8		

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Dungeness and Big Quilcene Rivers--Continued					
Chimacum Creek tributary No. 2	Chimacum Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.29 N., R.1 W., at road crossing, 2 $\frac{1}{2}$ miles southwest of Chimacum.	3.31		
Chimacum Creek tributary No. 3	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.29 N., R.1 W., at road crossing, 2 miles southwest of Chimacum.	.07		
Chimacum Creek tributary No. 4	.....do.....	Center of NE $\frac{1}{4}$ sec.22, T.29 N., R.1 W., at road crossing, 1 $\frac{1}{2}$ miles southwest of Chimacum.	.12		
Chimacum Creek tributary No. 5	.....do.....	Center of SE $\frac{1}{4}$ sec.14, T.29 N., R.1 W., at road crossing, 1 mile southwest of Chimacum.	.08	8-19-52	0
Chimacum Creek	Port Townsend Bay	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.29 N., R.1 W., at road crossing, at Chimacum.	21.7	9- 9-47	3.39
Chimacum Creek tributary No. 6 (formerly "East Branch Chimacum Creek")	Chimacum Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.29 N., R.1 W., at road crossing, $\frac{1}{2}$ mile southeast of Chimacum.	6.42	7- 9-52 7-30-52 8-14-52 8-19-52 9-16-52 10- 9-52	.78 1.02 .32 1.01 1.73 1.36
Chimacum Creek tributary No. 7	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.29 N., R.1 W., at road crossing, 1,000 ft above mouth, $\frac{1}{2}$ mile northeast of Chimacum.	6.76	9- 9-47	1.05
Chimacum Creek	Port Townsend Bay	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.29 N., R.1 W., at road crossing, 1 mile west of Hadlock.	30.5	8- 5-42 9-24-42 7-25-43 10- 1-43 7- 9-52 7-30-52 8-14-52 8-19-52 9-16-52 10- 9-52	2.86 3.05 2.52 2.94 3.72 3.30 2.57 3.34 5.31 5.35
Ludlow Creek	Port Ludlow	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.28 N., R.1 E., 100 ft above abandoned site of Port Ludlow diversion and 1 $\frac{1}{2}$ miles southwest of Port Ludlow.	13.5	7- 9-52 7-28-52 8-19-52 9-16-52 10- 6-52	3.59 3.19 2.86 3.02 2.82
Tarboo Creek	Dabob Bay	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.28 N., R.1 W., at road crossing, 4 miles northeast of Quilcene.	11.3	8- 1-51 9- 6-51	2.26 1.80
Donovan Creek	Quilcene Bay	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.27 N., R.1 W., 1,000 ft above mouth.	3.41	8- 1-51	.14
Howe Creek	Little Quilcene River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.28 N., R.2 W., at crossing of Snow Creek Road, 5 $\frac{1}{2}$ miles northwest of Quilcene.	2.10	7-28-52 8-20-52 9-10-52 10- 9-52	.85 .78 .71 .45
Little Quilcene River	Quilcene Bay	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.27 N., R.2 W., 2 $\frac{1}{2}$ miles northwest of Quilcene.	21.6	10- 4-25	7.27
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.27 N., R.2 W., at gaging station "near Quilcene," (operated Aug. 1926 to Sept. 1927, July 1951 to Dec. 1957).	23.7	10- 2-25 10- 4-25	6.18 6.62
Leland Creek (formerly Leland Lake outlet)	Little Quilcene River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.28 N., R.2 W., at road crossing, 1,000 ft below Leland Lake.	6.19	8- 1-51	0
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.27 N., R.2 W., 50 ft above mouth.	11.3	9- 6-51	.45
Little Quilcene River	Quilcene Bay	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.27 N., R.2 W., 50 ft below Leland Creek.	35.0	9- 9-47	11.4
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.27 N., R.2 W., at road crossing, $\frac{1}{2}$ mile north of Quilcene and $\frac{1}{2}$ mile above mouth.	35.5	8-31-26	10.6
Quilcene Bay tributary (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.27 N., R.2 W., 300 ft north of Olympic Highway-Port Ludlow road junction on Port Ludlow Road, in Quilcene.	-	12- 1-48	12.4



Stream	Tributary to	Location	Drainage area (sq ml)	Date	Discharge (cfs)
Big Quilcene River basin					
Big Quilcene River	Quilcene Bay	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.27 N., R.2 W., at Bark Shanty Shelter, 500 ft above Townsend Creek.	14.6	8- 1-51 9- 6-51	23.6 14.8
Townsend Creek	Big Quilcene River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.27 N., R.2 W., near Bark Shanty Shelter, 300 ft above mouth.	9.71	8- 1-51 9- 6-51	7.24 4.90
Tunnel Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.27 N., R.2 W., 30 ft above mouth.	23.0	8- 6-51 9- 6-51	42.8 24.8
Port Townsend Municipal diversion	Big Quilcene River (diverts from left side)	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.27 N., R.2 W., at diversion dam, 5 $\frac{1}{2}$ miles southwest of Quilcene.	-	7-24-51	26.2
Big Quilcene River	Quilcene Bay	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.27 N., R.2 W., 1,000 ft above Penny Creek.	59.7	9-15-24 3- 4-26 3- 7-26	38.3 130 114
Penny Creek	Big Quilcene River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.27 N., R.2 W., above county road at U. S. Fish Hatchery, 1,200 ft west of U. S. Highway 101, and 250 ft above fish hatchery diversion dam.	6.70	8- 2-51 9- 6-51	4.29 3.18
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.27 N., R.2 W., at county road at U. S. Fish Hatchery, 1,000 ft west of U. S. Highway 101, (crest-stage gage "Penny Creek near Quilcene").	6.72	2-22-49 2-25-50 12-16-50 8- 2-51 11-27-51 1- 9-53 2-13-54 11-18-54 1- 6-56 2-24-57 12-25-57 1- 8-59 1-29-60	332 232 352 *2.55 376 223 456 191 348 281 135 557 277
Big Quilcene River	Quilcene Bay	On west line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.27 N., R.2 W., at gaging station "near Quilcene," (operated Aug. 1926 to Sept. 1927).	66.5	8-25-25 9-16-25 10- 2-25 10- 3-25	55.5 32.4 32.9 36.9
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.24 N., R.2 W., at gaging station "at Quilcene," (operated June to Sept. 1951).	68.1		
Minor basins between Big Quilcene and Dosewallips Rivers					
Spencer Creek	Dabob Bay	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.26 N., R.2 W., at U. S. Highway 101.	2.19	8- 2-51	.50
Marpel Creek (formerly Jackson Creek)	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.26 N., R.2 W., at U. S. Highway 101.	2.52	8- 2-51	0
Turner Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.26 N., R.2 W., at U. S. Highway 101.	.96	9- 6-51	0
Dabob Bay tributary (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.26 N., R.2 W., at U. S. Highway 101, 0.2 mile north of Brinnon store.	-	8- 2-51	0
Dosewallips River basin					
Dosewallips River	Hood Canal	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.26 N., R.3 W., at gaging station "near Brinnon," (operated Oct. 1930 to Oct. 1949, May to Sept. 1951. Operated as crest-stage gage since 1951).	93.5	9-16-30 11- 1-49 11-26-49 2- 9-51 4-30-52 1- 9-53 11-13-53 11-19-54 11- 3-55 12- 9-56 12-17-57 12-19-57 2-24-58 1- 8-59 1-29-60	4115 *175 13,200 3,990 2,230 3,200 3,230 5,330 8,050 5,430 *826 *587 5,180 4,300 6,600
Wilson Creek	Dosewallips River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.26 N., R.3 W., at Corrigenda guard station on Dosewallips Road.	.33	8- 2-51	0

\* Discharge measurement.

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Dosewallips River basin--Continued					
Rocky Brook	Dosewallips River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.26 N., R.2 W., at Dosewallips Road, $\frac{1}{2}$ mile above mouth.	8.83	6-13-51 7- 6-51 7-17-51 8- 2-51 9-18-51	6.36 3.73 2.69 2.69 1.32
Dosewallips River	Hood Canal	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.26 N., R.2 W., 400 ft below Rocky Brook.	109	11- 2-29	86.5
Dosewallips River tributary (formerly unnamed creek)	Dosewallips River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.26 N., R.2 W., at Dosewallips Road, 600 ft below Rocky Brook, (crest-stage gage "Dosewallips River tributary near Brinnon").	.62	2-10-51 8- 2-51 1-30-52 1- 9-53 2-13-54 2-17-54 11-19-54 1- 5-56 2-24-57 2-24-58 1- 8-59 1-29-60	52.0 #0 30.0 25.5 53.2 #29.1 53.0 47.0 57.3 36.0 66 32
Dosewallips River	Hood Canal	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.25 N., R.2 W., at gaging station "at Brinnon," (operated Nov. 1910 to Oct. 1911, July 1924 to Dec. 1925, July 1928 to Oct. 1930).	116	9-24-10 10-30-10 11-15-11	187 195 239
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.25 N., R.2 W., at U. S. Highway 101.	-	4-24-56 8-14-56 5-30-56 12-10-56 12-19-57	1,440 481 2,980 4,630 797
Duckabush River basin					
Duckabush River	Hood Canal	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.25 N., R.3 W., at gaging station "near Brinnon," (operated Jan. to Dec. 1911, June 1938 to 1960).	66.5	9-23-10 10-30-10 12-11-10	106 125 537
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.25 N., R.2 W., 500 ft below old State fish hatchery.	71.2	10-12-29	86.0
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.25 N., R.2 W., 1 mile above mouth.	74.9	9-14-24 3- 4-26 3- 7-26 6- 7-26 9-10-26	51.3 308 241 308 50.3
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.25 N., R.2 W., 0.6 mile above mouth.	75.2	9-17-24 8-24-25	48.2 99.9
Duckabush River tributary (formerly unnamed creek)	Duckabush River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.25 N., R.2 W., at Duckabush Road bridge, 0.4 mile from U. S. Highway 101.	.50	8- 3-51	.24
Duckabush River	Hood Canal	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.25 N., R.2 W., 500 ft above U. S. Highway 101 near Duckabush.	76.5	8-14-25	134
Minor basins between Duckabush and Hamma Hamma Rivers					
McDonald Creek	Hood Canal	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.25 N., R.2 W., at mouth at U. S. Highway 101.	1.72	8- 2-51	0
Fulton Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.25 N., R.2 W., 1,000 ft above U. S. Highway 101.	8.26	6-13-51 7- 6-51 7-17-51 8- 3-51 9- 6-51	3.36 2.04 1.47 1.09 .84
Hood Canal tributary (formerly Schaerer Creek)	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.24 N., R.2 W., at crossing of U. S. Highway 101, $4\frac{1}{2}$ miles northeast of Eldon.	-	9-20-51	0
Hood Canal tributary No. 2	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.24 N., R.3 W., at U. S. Highway 101, at mouth.	1.46	8- 3-51	.57
Waketickah Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.24 N., R.3 W., at Hamma Hamma River road crossing, $2\frac{1}{2}$ miles northwest of Eldon.	5.78	8- 3-51 9-18-51	1.01 .50

\* Discharge measurement or observation.

PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Duckabush and Hamma Hamma Rivers--Continued					
Waketickah Creek	Hood Canal	Center of south line NE $\frac{1}{4}$ sec.23, T.24 N., R. 3 W., at U. S. Highway 101, $\frac{1}{4}$ miles north-east of Eldon.	7.43	6-13-51 7- 6-51 7-17-51 8- 6-51 9-18-51	4.13 2.92 1.20 1.19 .79

Hamma Hamma River basin

Lena Creek	Hamma Hamma River	South line SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.24 N., R.4 W., at Hamma Hamma River road crossing, $\frac{3}{8}$ mile above mouth.	10.3	9-14-45	18.0
Watson Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.24 N., R.3 W., at road crossing at Hamma Hamma guard station.	1.33	9-18-51	0
Hamma Hamma River	Hood Canal	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.24 N., R.3 W., at gaging station "near Eldon," (operated June 1951 to 1960).	51.3		
Jefferson Creek	Hamma Hamma River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.24 N. R.3 W., at gaging station "near Eldon," (operated Oct. 1957 to 1960).	21.6	8-24-54 9-29-54	31.7 28.2
Hamma Hamma River tributary (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.24 N., R.3 W., at road crossing, $\frac{3}{2}$ miles northwest of Eldon.	.51	9-18-51	0
Hamma Hamma River	Hood Canal	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.24 N., R.3 W., 600 ft above dam site and 3.8 miles above mouth.	-	11- 2-29	50.0
do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.24 N., R.3 W., at gaging station "near Hoodsport," (operated Mar. 1926 to Sept. 1930).	83.5	9-22-10 9-14-24 9-17-24 8-14-25 8-24-25 2-24-26 10-20-30 10-27-44 8- 6-51 9-18-51	77 32.2 28.0 90.7 78.4 702 109 48.4 102 43.2

Minor basins between Hamma Hamma and Skokomish Rivers

Jorsted Creek	Hood Canal	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.24 N., R.3 W., at U. S. Highway 101.	4.63	6-13-51 7- 5-51 7-16-51 7-25-51 7-31-51 9-20-51	4.86 4.66 5.02 4.40 4.42 2.98
Hood Canal tributary No. 3	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.23 N., R.3 W., at crossing of U. S. Highway 101, 3 miles northeast of Lilliwaup.	.38	9- 5-51	.84
Hood Canal tributary No. 4	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.23 N., R.3 W., at crossing of U. S. Highway 101, 2.6 miles northeast of Lilliwaup.	.05	9- 5-51	1.66
Eagle Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.23 N., R.3 W., at gaging station "near Lilliwaup," (operated June to Sept. 1951).	6.90		
Hood Canal tributary No. 5	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.23 N., R.3 W., at U. S. Highway 101, $\frac{1}{2}$ miles northeast of Lilliwaup.	.37	7-31-51 9- 5-51	.21 .12
Lilliwaup Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.23 N., R.4 W., 600 ft above junction with Price Creek.	-	2-23-25 4- 6-25 9-10-25	360 25.8 3.90
Price Lake Outlet Creek	Lilliwaup Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.23 N., R.4 W., above mouth.	-	9-10-25	1.64
Lilliwaup Creek	Hood Canal	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.23 N., R.4 W., $\frac{1}{4}$ mile below Price Lake Outlet Creek.	13.7	4- 6-25 9-10-25 9-26-25	39.9 4.90 4.54
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.23 N., R.3 W., above Bridal Veil Falls.	-	2-19-25 3-13-25 9-22-25 9-26-25	86.4 61.5 5.61 5.56

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Hamma Hamma and Skokomish Rivers--Continued					
Lilliwaup Creek	Hood Canal	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.23 N., R.3 W., below Bridal Veil Falls.	15.2	3- 6-24 3-21-24 1-20-25 2-19-25 2-23-25 2-23-25 4- 4-25 4-14-25 4-24-25 5- 5-25 7-14-25 9-10-25 9-22-25 9-26-25 12-17-25 3- 3-26 3- 8-26 5-26-26 6- 3-26 9- 2-26 3- 3-31 3-20-31 4- 1-31 5-31-31 6-30-31 9- 1-31 10- 6-31 11- 3-31 6- 3-43 7-23-43 9-30-43 6-12-51 6-28-51 7-16-51 7-31-51 9- 5-51	91.8 52.4 291 99 360 306 39.9 30.4 40.6 31.5 11.5 8.45 8.88 9.64 163 92.0 70.2 18.7 15.0 3.10 91.9 286 153 23.0 40.4 10.8 19.4 59.2 30.6 18.8 10.2 23.6 15.2 15.8 10.8 10.5
Little Lilliwaup Creek	Hood Canal	East line SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.23 N., R.3 W., at U. S. Highway 101, 0.4 mile south of Lilliwaup.	1.51	7-31-51 9- 5-51	4.57 4.15
Sund Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.23 N., R.3 W., at U. S. Highway 101, 1.5 miles south of Lilliwaup.	2.07	7-30-51	0
Miller Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.1, T.22 N., R.4 W., at U. S. Highway 101, 2 miles north of Hoodsport.	1.88	7-30-51	0
Clark Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.22 N., R.4 W., at U. S. Highway 101, 1 mile north of Hoodsport.	1.02	7-30-51	0
Finch Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.22 N., R.4 W., at gaging station "at Hoodsport," (operated June to Sept. 1951).	3.52	10- 9-51	11.2
Finch Creek tributary (formerly unnamed creek)	Finch Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.22 N., R.4 W., at mouth, 75 ft below Finch Creek gage at Hoodsport.	-	3-31-11 8- 6-51 9- 5-51	1.1 2.04 1.63
Finch Creek	Hood Canal	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.22 N., R.4 W., at U. S. Highway 101 at Hoodsport.	-	3-31-11 5-20-22	20.8 21.3
Hill Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.22 N., R.4 W., at U. S. Highway 101, $\frac{1}{2}$ mile south of Hoodsport.	.92	7-31-51 9-20-51	6.63 4.27
Annas Bay tributary (formerly unnamed stream)	Annas Bay	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.22 N., R.4 W., at U. S. Highway 101, 2 miles south of Potlatch, (crest-stage gage "near Potlatch").	.78	12-28-49 2-10-51 1-30-52 1- 9-53 1- 5-54 11-18-54 11- 3-55 12- 9-56 12-25-57 4-29-59 11-20-59	228 113 92.6 87.0 #20.4 52.5 44.5 173 20 57 92
Skokomish River basin					
North Fork Skokomish River	Skokomish River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.23 N., R.5 W., at gaging station "near Hoodsport," (operated Aug. 1924 to 1960).	57.2		

+ Discharge measurement.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge
Skokomish River basin--Continued					
Big Creek	Lake Cushman	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.23 N., R.4 W., at side road crossing, $\frac{1}{4}$ mile above mouth.	5.04	5-20-22 6-14-51 7- 6-51 7-16-51 9- 5-51	32.5 10.3 3.72 2.60 0
Big Creek tributary (formerly unnamed creek)	Big Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.23 N., R.4 W., at road crossing near mouth.	.29	9- 5-51	.14
North Fork Skokomish River	Skokomish River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.5, T.22 N., R.4 W., at gaging station "near Hoodspport," (operated Feb. 1913 to Sept. 1923).	93.7	9-21-10 11-19-10 1- 7-11 3-31-11 6-10-11 7-12-11 9-22-11	156 698 603 865 1,070 695 230
Lake Cushman Dam spillway	North Fork Skokomish River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.5, T.22 N., R.4 W., at south end of Cushman Lake.	-	6-30-33 3- 2-40	664 406
Deer Meadow Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.22 N., R.4 W., at gaging station "near Hoodspport," (operated Sept. 1950 to Aug. 1951, Oct. 1952 to 1960).	.48	10-15-51 12-28-51 3-26-51 5- 9-51 6-11-51 7-29-51 9- 3-51 2-21-52	4.14 7.04 2.42 1.37 2.20 1.00 .85 3.19
North Fork Skokomish River	Skokomish River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.22 N., R.4 W., at gaging station "near Hoodspport," (operated Oct. 1923 to Dec. 1930).	94.7		
Dow Creek	North Fork Skokomish River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.22 N., R.4 W., at gaging station "near Hoodspport," (operated Aug. 1950 to Oct. 1954).	1.77		
McTaggart Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.22 N., R.4 W., at gaging station "near Hoodspport," (operated Oct. 1950 to Sept. 1953).	1.35	9-26-50	0
North Fork Skokomish River	Skokomish River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.22 N., R.4 W., 300 ft below McTaggart Creek.	-	10-12-22	247
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.21 N., R.4 W., at gaging station, "near Potlatch," (operated Mar. 1944 to 1960).	117	7-31-31 8-11-31 8-15-31 8-17-31 9-11-31 11-18-31 1- 7-32 2-19-32 3-31-32 6-29-32 8-12-32 9- 9-32 1-13-33 3-18-33 6- 7-33 9- 8-33 11-21-33 1-24-34 2- 7-34 2-21-34 3- 8-34 3-30-34 4-19-34 5- 9-34 5-24-34 6- 6-34 6-28-34 7-13-34 7-31-34 8-23-34 9-13-34 9-26-34 11- 7-34 1- 4-35 2- 6-35 3- 8-35 7-16-35	12.7 11.7 90.0 128 11.7 1,990 849 52.2 210 364 11.2 6.38 213 836 2,020 74.3 547 3,770 1,360 418 1,570 836 40.5 732 118 199 63.8 19.8 10.5 11.0 21.7 9.53 2,660 1,870 1,680 219 68.1

PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)		
Skokomish River basin--Continued							
North Fork Skokomish River (Cont.)	Skokomish River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.21 N., R.4 W., at gaging station "near Potlatch."		8-22-35	49.3		
				10- 9-35	34.3		
				12-18-35	66.0		
				1-22-36	1,350		
				3- 4-36	118		
				3-26-36	337		
				4-22-36	26.8		
				5-22-36	638		
				7-22-36	21.8		
				8-21-36	12.1		
				9-23-36	11.0		
				10-21-36	11.0		
				11-20-36	11.0		
				12-22-36	920		
				1-22-37	33.6		
				3-23-37	136		
				4-22-37	160		
				5- 2-37	54.2		
				6-22-37	1,060		
				7-21-37	25.0		
				9-21-37	12.7		
				11- 3-37	60.3		
				12-20-37	1,800		
				2-22-38	146		
				5-20-38	146		
				6-21-38	930		
				7-21-38	12.7		
				8-19-38	11.1		
				9-19-38	10.3		
				10-21-38	7.68		
				11-21-38	43.8		
				12-20-38	39.4		
				1-24-39	149		
				3-22-39	86.6		
				4-20-39	27.1		
				5-22-39	20.4		
6-21-39	13.0						
8-23-39	8.40						
9-20-39	7.62						
10-24-39	14.3						
11-24-39	36.1						
12-20-39	263						
1-22-40	68.1						
2-23-40	134						
3-20-40	119						
4-23-40	55.4						
5-20-40	41.8						
6-20-40	20.0						
8-20-40	11.5						
9-26-40	8.04						
10-29-40	94.0						
11-25-40	72.5						
12-18-40	62.3						
3- 3-41	129						
3-20-41	75.5						
4-21-41	35.0						
5-29-41	38.0						
6-26-41	18.3						
8-15-41	10.2						
9-15-41	21.3						
10-20-41	39						
12-16-41	340						
1- 6-42	66.7						
2-19-42	77.3						
6- 3-42	19.0						
8-20-42	9.70						
10-21-42	11.2						
12-22-42	160						
2-25-43	94.4						
North Fork Skokomish River	Skokomish River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.21 N., T.4 W., at staff gage 150 ft above concrete control and 2,000 ft below gaging station. (See addendum).	-	3-21-60	99.6		
				4-25-60	150		
				3-31-60	30.0		
				7-13-60	2.62		
South Fork Skokomish River	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.22 N., R.5 W., 200 ft below Brown Creek.	59.9	7- 5-19	261		
				Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.22 N., R.5 W., at gaging station "near Potlatch," (operated Oct. 1923 to Sept. 1931, Sept. 1946 to 1960).	63.4
						8-30-23	71.7
						10-18-32	225

PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skokomish River basin--Continued					
South Fork Skokomish River	Skokomish River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.21 N., R.5 W., at gaging station "near Union," (operated Aug. 1931 to 1960).	76.3	9-17-26 9-17-26 7-24-31	45.3 45.8 149
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.21 N., R.5 W., 1 mile above mouth.	-	9-13-24 8-21-42	37.7 95.3
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.21 N., R.4 W., 300 ft above Vance Creek.	65.7	9- 9-42 9-24-42	53.9 35.3
Vance Creek	South Fork Skokomish River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.21 N., R.5 W., 1,000 ft above gaging station.	a15	5-19-55 6-14-55 7-13-55 8-12-55 9-27-55 3-16-56 5-31-56 6-25-56 7-24-56 10-12-56 11-27-56 1- 8-57 1-23-57 2-18-57 4- 8-57 5-13-57 7-29-57	79.8 28.7 19.6 25.8 25.5 72.6 28.9 20.4 24.3 25.1 60.8 59.4 46.0 123 109 33.6 20.6
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.21 N., R.5 W., about 300 ft above gaging station.	15.5	8-12-55 9-27-55	28.4 22.6
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.21 N., R.5 W., at gaging station "near Potlatch," (operated Mar. 1955 to Sept. 1956).	15.5	11-18-54 12-12-56 11-27-56 12-10-56 1- 8-57 1-23-57 2-18-57 4- 8-57 5-13-57 6-25-57 7-29-57 9- 5-57 10-30-57	†3,840 23.6 62.4 1,180 53.8 44.8 112 103 30.6 18.1 17.2 14.7 98.3
Fir Creek	Vance Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.21 N., R.5 W., at road crossing, 1,000 ft above Fir Creek tributary, $\frac{1}{4}$ mile above mouth.	1.89	11-18-54	†460
Fir Creek tributary	Fir Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.21 N., R.5 W., at logging road crossing, 1,000 ft above mouth, (crest-stage gage and recorder "near Potlatch").	.76	11-18-54 11- 3-55 12- 9-56 12-25-57 12- 1-58 12-30-58 1-23-59 4-29-59 4-29-59 11-20-59 11-22-59 12-14-59 1-29-59 2-14-59	216 200 280 79.0 115 †25.7 91 146 174 258 89 104 106 86
Vance Creek	South Fork Skokomish River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.21 N., R.5 W., at road crossing 3 miles above mouth.	20.6	6-14-51 6-26-51 7-10-51 8- 3-51 9-18-51	11.0 4.57 .24 0 0
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.21 N., R.4 W., at road crossing near mouth.	24.8	6- 7-51 6-26-51 7-10-51 8- 3-51 9-18-51	29.8 16.9 14.6 12.6 9.19
Skokomish River	Hood Canal	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.21 N., R.4 W., at gaging station "near Potlatch." (Operated by City of Tacoma Aug. 1931 to July 1943. Operated by USGS July 1943 to 1960).	22.7	8- 4-31 8-11-31 8-17-31 9-12-31 1- 7-32 2-19-32 2-26-32 4- 1-32 7-15-32	217 198 312 220 1,610 598 16,200 2,350 873

† Peak flow.      ‡ Discharge measurement.      a Approximately.

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skokomish River basin--Continued					
Skokomish River (Cont.)	Hood Canal	NW1/4 sec. 15, T. 21 N., R. 4 W., at gaging station "near Potlatch."		8-12-32	358
				9- 9-32	203
				11- 7-32	357
				1-14-33	2,460
				3- 7-33	3,910
				6- 6-33	1,900
				9- 8-33	348
				11-21-33	1,520
				12- 7-33	4,140
				12- 9-33	9,610
				12-21-33	22,700
				1-23-34	12,000
				2- 8-34	3,520
				2-20-34	1,210
				3- 7-34	3,780
				3-29-34	2,650
				4-18-34	624
				5- 8-34	1,840
				5-25-34	986
				6- 5-34	445
				6-28-34	333
				7-13-34	292
				7-31-34	180
				8-23-34	149
				9-12-34	314
				9-25-34	212
				10- 9-34	527
				11- 8-34	4,580
				1- 3-35	6,830
				2- 5-35	3,590
				3- 6-35	2,110
				5-15-35	794
				7-15-35	756
				8-20-35	309
				10- 8-35	266
				11-16-35	1,930
				12-17-35	1,050
				1-22-36	2,540
				2-26-36	3,460
				2-27-36	8,420
				3-25-36	907
				4-21-36	721
				5-21-36	1,760
				6-19-36	3,120
				7-21-36	455
				8-20-36	220
				9-22-36	227
				10-20-36	182
				11-19-36	178
				12-21-36	2,910
				12-23-36	5,520
				1-20-37	399
				2-25-37	1,680
				3-22-37	1,310
				4-21-37	2,690
				5-20-37	1,090
				6-21-37	3,260
				7-20-37	396
				8-19-37	245
				9-20-37	211
				11- 2-37	934
				11-22-37	5,960
				12-21-37	2,730
				1-20-38	3,180
				2-23-38	1,460
				3-23-38	1,690
				4-21-38	1,720
				5-19-38	707
				6-24-38	873
				7-20-38	255
				8-18-38	190
				9-19-38	161
				10-20-38	199
				11-22-38	849
				12-21-38	634
				1-23-39	2,440
				3-22-39	1,850
				4-21-39	657
				5-23-39	406
				6-21-39	337
				8-23-39	153
				9-20-39	178
				10-24-39	386
				11-24-39	836
				12-21-39	2,590

o Channel flow only; estimated 20% more water flowing over highway.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skokomish River basin--Continued					
Skokomish River (Cont.)	Hood Canal	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.21 N., R.4 W., at gaging station "near Potlatch."		1-23-40	641
				2- 6-40	6,930
				3- 2-40	906
				4-24-40	621
				5-20-40	558
				6-20-40	271
				8-20-40	158
				9-24-40	160
				10-29-40	1,140
				11- 8-40	3,050
				11-26-40	775
				12-19-40	1,200
				1-17-41	7,290
				3- 4-41	1,500
				3-21-41	924
				4-21-41	438
				5-28-41	622
				6-27-41	266
				8-15-41	179
				9-15-41	460
				10-20-41	683
				11-21-41	915
				12- 2-41	11,000
				12-16-41	4,510
				12-19-41	7,890
				1-22-42	536
				5- 1-42	1,490
				6- 3-42	377
6-22-42	543				
8- 4-42	206				
8-20-42	181				
9-30-42	152				
10-22-42	143				
11-23-42	6,500				
12-23-42	2,010				
2- 2-43	1,130				
2-25-43	1,000				
4-21-43	2,630				
5-21-43	536				
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.21 N., R.4 W., at U. S. Highway 101.	-	6- 1-20	824
				6-15-20	2,420
				9-24-20	2,300
				9-30-20	1,400
				9- 5-21	573
				11- 1-21	4,670
				10-10-22	652
Purdy Creek	South Fork Skokomish River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.21 N., R.4 W., at Skokomish Valley Road crossing, at gaging station "near Union," (operated Sept. 1954 to July 1960).	1.32		
Weaver Creek	Purdy Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.21 N., R.4 W., at crossing of U. S. Highway 101.	2.42	8-30-57	13.1
				10- 4-57	9.17
Purdy Creek	South Fork Skokomish River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.21 N., R.4 W., at county road crossing, $\frac{1}{8}$ mile above mouth.	4.33	8- 3-51	2.32
				9-18-51	1.38
Purdy Creek tributary (formerly unnamed creek)	Purdy Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.21 N., R.4 W., 100 ft above mouth.	.20	8- 3-51	3.25
				9-18-51	2.88

Minor basins between Skokomish and Union Rivers

Hood Canal tributary No. 5	Hood Canal	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.21 N., R.3 W., at State Highway 14, 1.7 miles south of Union.	-	8- 3-51	.70
				9-17-51	.45
Hood Canal tributary No. 7	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.22 N., R.3 W., at State Highway 14, 1.3 miles east of Union.	1.47	8- 3-51	1.37
				9-17-51	1.14
Dalby Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.22 N., R.3 W., at State Highway 14, 1 $\frac{1}{2}$ miles east of Union.	.39	8- 2-51	1.18
				9-17-51	1.24
Hood Canal tributary No. 8	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.22 N., R.3 W., at State Highway 14, 1.8 miles east of Union.	.52	8- 2-51	.88
				9-17-51	.77
Hood Canal tributary No. 9	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.22 N., R.3 W., at State Highway 14 crossing, 5 miles east of Union.	.25	8- 2-51	.95
				9-17-51	.89

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Skokomish River and Union River--Continued					
Hood Canal tributary No. 10	Hood Canal	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.22 N., R.2 W., at State Highway 14 at Shady Beach, 5 $\frac{1}{2}$ miles north-east of Union.	.18	8- 2-51 9- 6-51	1.93 1.87
Hood Canal tributary No. 11	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.22 N., R.2 W., at State Highway 14, at Twanoh State Park.	.93	8- 2-51 9- 6-51	3.08 2.29
Hood Canal tributary No. 12	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.22 N., R.2 W., at State Highway 14, 1.1 miles east of Twanoh State Park.	.69	8- 2-51 9- 6-51	1.19 1.16
Hood Canal tributary No. 13	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.22 N., R.2 W., at State Highway 14, 2.2 miles east of Twanoh State Park.	.66	9- 6-51	0
Hood Canal tributary No. 14	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.22 N., R.2 W., at State Highway 14, 2 $\frac{1}{2}$ miles east of Twanoh State Park, 4 miles west of Allyn.	.95	8- 2-51 9- 6-51	.55 .48
Hood Canal tributary No. 15	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.22 N., R.2 W., at State Highway 14, at Sunset Beach, 3 miles north-west of Allyn.	1.25	9- 6-51	1.55
Hood Canal tributary No. 16	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.22 N., R.1 W., at State Highway 14, 3.1 miles northwest of Allyn.	.14	8- 2-51	0
Hood Canal tributary No. 17	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.22 N., R.1 W., at State Highway 14, 3 $\frac{1}{2}$ miles northwest of Allyn.	2.83	8- 2-51	0
Union River basin					
Union River	Hood Canal	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.24 N., R.1 W., 200 ft below Casad Dam.	-	8-31-59	8.51
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.24 N., R.1 W., at gaging station "near Bremerton," (operated Oct. 1945 to Sept. 1959).	3.16	10- 1-59	14.8
Union River tributary (formerly unnamed stream)	Union River (right bank)	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.24 N., R.1 W., at mouth 250 ft below gaging station.	1.23	1-10-52	1.26
Union River	Hood Canal	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.23 N., R.1 W., at old Navy Yard Highway, 4 $\frac{1}{2}$ miles northeast of Belfair.	6.96	6-25-42 8- 3-42 9-26-42 5-30-43 7-22-43 9-29-43 7-10-47 7-29-47 8-13-47 8-25-47 9-19-47 9-30-47 6-17-58 7-11-58 7-24-58 8-13-58 6-22-59 7- 9-59 7-20-59 8- 5-59 8-20-59	3.38 1.74 1.27 2.12 1.94 1.13 2.01 1.54 1.78 1.53 1.57 1.41 4.16 1.99 1.57 1.51 4.38 2.77 2.26 2.87 3.05
Bear Creek	Union River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.23 N., R.1 W., at old Navy Yard Highway, 1 $\frac{1}{2}$ miles north of Belfair.	1.40	7-10-47 7-29-47 8-13-47 8-25-47 9-19-47 10- 1-47 8-19-57 6-17-58 7-11-58 7-18-58 7-24-58 8-12-58 8-29-58 6-19-59 7- 8-59 7-20-59 8- 5-59	1.38 1.01 1.05 .73 .61 .75 1.24 1.39 1.19 1.09 1.19 1.04 1.01 2.35 1.54 1.32 1.11

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Union River basin--Continued					
Union River tributary No. 2	Union River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.23 N., R.1 W., at old Navy Yard Highway.	0.20	8-14-58 8-19-59	0 0
Courtney Creek (formerly unnamed creek)	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.23 N., R.1 W., at old Navy Yard Highway $\frac{1}{2}$ miles north of Belfair.	1.43	8-25-47 8-14-58 8-19-59	3.46 2.83 3.35
Union River	Hood Canal	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.23 N., R.1 W., at gaging station "near Belfair," (operated July 1947 to Sept. 1959).	19.8	6-25-42 8- 3-42 9-25-42 5-30-43 7-22-43 9-29-43 10- 1-59	22.8 18.1 12.9 27.3 17.7 15.4 23.2
Union River tributary No. 3	Union River	Southwest corner NE $\frac{1}{4}$ sec.29, T.23 N., R.1 W., at old Navy Yard Highway $\frac{1}{2}$ mile north of Belfair.	1.25	9-24-47 8-14-58 8-19-58	.94 .83 1.18
Union River tributary No. 4	.....do.....	Northwest corner SE $\frac{1}{4}$ sec.29, T.23 N., R.1 W., at junction of State Highway 14 and old Navy Yard Highway in Belfair.	.55	9-25-47 8-14-58 8-19-59	1.30 .89 1.11
Union River tributary No. 5	.....do.....	Southeast corner SE $\frac{1}{4}$ sec.30, T.23 N., R.1 W., at North Shore Road, $\frac{1}{4}$ mile west of Belfair.	.20	9-24-47 8-14-58 8-21-59	0 .23 .22
Minor basins between Union and Tahuya Rivers					
Mission Creek	Hood Canal	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.24 N., R.1 W., at gaging station "near Bremerton," (operated June 1945 to Sept. 1953).	1.83	10-10-53 7- 2-58 7-14-58 7-24-58 8-13-58 6-22-59 7-17-59 8- 5-59 8-20-59	0 0 0 0 0 0 0 0 0
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.23 N., R.1 W., at gaging station "near Belfair," (operated Oct. 1945 to Apr. 1953).	4.43	6-18-58 7-14-58 7-24-58 8-14-58 6-22-59 7- 9-59 7-20-59 8- 5-59 8-20-59	.73 .49 .26 .19 .51 .40 .35 .24 .29
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.23 N., R.2 W., at road crossing, $\frac{1}{4}$ mile above mouth, 2 miles west of Belfair.	13.1	7-10-47 7-29-47 8-12-47 8-25-47 9-18-47 10- 1-47 6-18-58 7-14-58 7-25-58 8-15-58 6-22-59 7- 9-59 7-20-59 8- 6-59 8-21-59	6.94 6.21 5.84 5.63 5.96 6.35 9.68 5.74 7.09 6.27 9.44 7.83 6.99 6.16 5.82
Little Mission Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.22 N., R.2 W., at North Shore Road $\frac{1}{4}$ mile above mouth, $\frac{1}{4}$ mile west of Belfair State Park.	1.51	8-25-47 8-15-58 8-21-59	2.02 2.67 3.13
Hood Canal tributary No. 18	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.22 N., R.2 W., at North Shore Road, 1,000 ft above mouth.	.66	8-25-47 8-18-58 8-24-59	.19 .47 .36
Stimson Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.22 N., R.2 W., at North Shore Road, 400 ft above mouth.	1.86	8-25-47 8-15-58 8-24-59	.88 .82 1.46
Hood Canal tributary No. 19	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.22 N., R.2 W., at North Shore Road.	.30	8-18-58 8-24-59	.77 .13
Hood Canal tributary No. 20	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.22 N., R.2 W., at North Shore Road, at mouth.	.66	8-26-47 8-15-58 8-24-59	.66 .74 .70

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Union and Tahuya Rivers--Continued					
Shoofly Creek	Hood Canal	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.22 N., R.2 W., at North Shore Road, 400 ft above mouth.	0.88	8-15-58 8-24-59	0.03 .02
Tahuya River basin					
Gold Creek	Tahuya River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.24 N., R.1 W., at gaging station "near Bremerton," (operated Oct. 1945 to 1960).	1.51		
Tahuya River	Hood Canal	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.24 N., R.1 W., at gaging station "near Bremerton," (operated May 1945 to Oct. 1956).	5.99	7- 2-58 7-14-58 7-18-58 7-24-58 8-13-58 6-22-59 7- 9-59 7-17-59 8- 5-59 8-20-59	1.36 .65 .43 .46 .24 2.76 1.55 1.12 .69 .60
Panther Creek	Tahuya River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.24 N., R.1 W., at gaging station "near Bremerton," (operated June 1945 to Sept. 1953).	.98	10- 1-53 7- 2-58 7-14-58 7-24-58 8-13-58 6-22-59 7- 9-59 7-17-59 8- 5-59 8-20-59	0 0 0 0 0 0 0 0 0 0
Tahuya River tributary (formerly unnamed stream)	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.23 N., R.2 W., at road crossing 1 mile above mouth, 5 $\frac{1}{2}$ miles northwest of Belfair.	2.03	8-26-47 8-15-58 8-20-59	0 0 0.04
Tahuya River	Hood Canal	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.23 N., R.2 W., at gaging station "near Belfair," (operated May 1945 to Oct. 1956).	15.0	6-18-58 7-14-58 7-25-58 8-15-58 6-23-59 7-10-59 7-21-59 8- 6-59 8-20-59	1.09 .45 .17 .11 2.54 1.54 .51 .32 .34
Tahuya River tributary No. 2	Tahuya River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.23 N., R.2 W., 200 ft below road crossing, 1 mile above mouth, 5 miles west of Belfair.	4.19	8-15-58 8-20-59	0 .10
Tahuya River	Hood Canal	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.22 N., R.3 W., at gaging station "near Tahuya," (operated July to Oct. 1947).	42.2	6-18-58 7-15-58 7-25-58 8-18-58 6-23-59 7-10-59 7-21-59 8- 6-59	15.5 13.6 10.8 10.2 22.1 17.9 12.1 10.5
Tahuya River tributary No. 3	Tahuya River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.22 N., R.3 W., at road crossing, 400 ft above mouth, at Tahuya School, $\frac{1}{4}$ mile northeast of Tahuya.	1.20	8-18-58 8-24-59	0 0
Minor basins on Kitsap Peninsula (west side)					
Hood Canal tributary No. 21	Hood Canal	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.22 N., R.3 W., at road crossing at Tahuya.	1.09	8-26-47	1.34
Rendsland Creek	Hood Canal	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.22 N., R.3 W., at road crossing at mouth, 3 miles northwest of Tahuya.	8.74	8-26-47	0
Dewatto River (formerly Dewatto Creek)	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.24 N., R.2 W., at road crossing, 2 $\frac{1}{2}$ miles south of Holly.	3.01	7- 9-47 8-26-47 8-19-58 8-24-59	.54 .40 .53 .35
Ludvick Lake Creek (formerly Lizzard Lake Creek)	Dewatto River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.23 N., R.2 W., at Dewatto Bay Road crossing, $\frac{1}{4}$ mile above mouth, 3 miles south of Holly.	1.01	8-26-47 8-19-58 8-24-59	0 0 0

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins on Kitsap Peninsula (west side)--Continued					
Dewatto River tributary (formerly unnamed tributary)	Dewatto River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.23 N., R.2 W., at Dewatto Bay Road, 600 ft above mouth, 3 $\frac{1}{2}$ miles south of Holly.	0.72	8-19-58 8-24-59	0.03 .09
Dewatto River (formerly Dewatto Creek)	Hood Canal	Center of sec.23, T.23 N., R.3 W., at gaging station "near Dewatto," (operated July 1947 to Oct. 1954, May 1958 to 1960. Crest-stage gage 1955-58).	18.4	11-19-54 - -55 - -56	1,170 2,110 1,750
Dewatto River tributary No. 2	Dewatto River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.23 N., R.3 W., at Dewatto Bay Road crossing near mouth, 1 $\frac{1}{4}$ miles east of Dewatto.	1.77	7- 9-47 7-29-47 8- 6-47 8-26-47 9-18-47 10- 1-47 6-19-58 7-15-58 7-25-58 8-19-58 6-23-59 7-10-59 7-21-59 8- 6-59	1.82 1.61 1.49 1.34 1.27 1.38 2.08 1.65 1.64 1.70 2.61 2.15 1.83 1.58
Thomas Creek	Hood Canal	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.24 N., R.2 W., 300 ft above road crossing and $\frac{1}{4}$ mile northeast of Holly.	.37	7- 9-47 7-28-47 8- 6-47 8-26-47 9-18-47 10- 1-47 6-19-58 7-15-58 7-29-58 8-19-58 6-23-59 7-10-59 7-21-59 8- 6-59	2.88 2.59 2.50 2.37 2.59 2.74 2.64 2.41 2.42 2.82 2.67 2.84 2.66 2.61
Anderson Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.24 N., R.2 W., at gaging station "near Holly," (operated July to Oct. 1947).	5.17	8-13-51 6-19-58 7-29-58 8-19-58 6-23-59 7-10-59 7-21-59 8- 6-59	6.36 6.95 5.64 6.05 7.44 6.13 5.59 6.34
Stavis Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.25 N., R.2 W., at gaging station "near Seabeck," (operated July to Oct. 1947).	5.91	8-13-51 6-19-58 7-15-58 7-29-58 8-20-58 6-24-59 7-10-59 7-22-59 8- 7-59	9.13 8.03 7.41 7.11 7.60 8.76 7.33 7.08 7.03
Seabeck Creek	Hood Canal (Seabeck Bay)	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.25 N., R.1 W., at Miami Beach Road at Seabeck.	5.06	7- 8-47 7-25-47 8- 6-47 8-27-47 9-18-47 9-30-47 8-19-58 8-25-59	.96 .95 .81 .80 .81 .67 .27 .28
Big Beef Creek	Hood Canal	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.5, T.24 N., R.1 W., at road crossing at Camp Union, 3 miles south of Seabeck.	5.69	7- 8-47 7-25-47 8- 5-47 8-27-47 9-18-47 9-24-47 9-30-47 8-20-58 8-25-59	1.04 .94 .80 .71 1.33 .69 .61 .64 .58
Big Beef Creek	Hood Canal (Big Beef Harbor)	North line NE $\frac{1}{4}$ sec.22, T.25 N., R.1 W., about $\frac{1}{4}$ mile above mouth, 2 $\frac{1}{4}$ miles northeast of Seabeck.	14.0	9-24-47 8-20-58	4.36 3.91
Johnson Creek (formerly unnamed creek)	Hood Canal	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.25 N., R.1 W., at road crossing at Warrenville.	.66	8-20-58 8-25-59	.29 .28

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins on Kitsap Peninsula (west side)--Continued					
Anderson Creek	Hood Canal	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.25 N., R.1 W., at road crossing, 0.4 mile above mouth, 3 $\frac{1}{4}$ miles northeast of Seabeck.	4.04	7- 8-47 7-25-47 8- 6-47 8-27-47 9-18-47 9-30-47 7-15-58 8-20-58 8-25-59	2.27 2.33 2.41 2.19 2.07 2.23 4.71 2.53 1.95
Anderson Creek tributary (formerly unnamed creek)	Anderson Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.25 N., R.1 W., at road crossing, 600 ft above mouth.	.37	8-27-47 8-20-58 8-25-59	.19 .37 .15
Hood Canal tributary No. 22 (south branch)	Hood Canal	Southeast corner SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.27 N., R.1 E., of State Highway 21, at Four Corners $\frac{1}{2}$ mile east of Lofall.	1.97	8-27-58 8-27-59	.16 .25
Hood Canal tributary No. 22 (north branch)	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.27 N., R.1 E., at State Highway 21, $\frac{1}{4}$ mile northeast of Lofall.	.86	8-27-58 8-27-59	.19 .21
Hood Canal tributary No. 23	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.27 N., R.1 E., at State Highway 21, 2 $\frac{1}{4}$ miles southwest of Port Gamble.	.59	8-25-47 8-27-58 8-27-59	.82 1.75 .12
Tolhunter Creek (formerly unnamed creek)	Port Gamble Inlet	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.27 N., R.2 E., at State Highway 21, 700 ft above mouth, 2 $\frac{1}{2}$ miles south of Port Gamble.	.47	8-25-47 8-26-58	.17 .10
Port Gamble Inlet	Port Gamble	Northeast corner of NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.27 N., R.2 E., at Kingston-Paulsbo Highway.	4.87	7- 8-47 7-24-47 8- 5-47 8-25-47 9-17-47 9-29-47 8-26-58 8-27-59	.56 .92 .73 .45 .86 .87 .69 .72
Port Gamble Inlet tributary	Port Gamble Inlet	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.27 N., R.2 E., at State Highway 21, 200 ft above mouth.	.86	8-27-59	.02
Minor basins on Kitsap Peninsula (east side)					
Buck Lake Outlet (formerly unnamed tributary)	Puget Sound	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.28 N., R.2 E., at road crossing, 600 ft above mouth, at Hansville.	.32	8- 5-47 8-26-58 8-28-59	0 .01 .02
Eglon Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.27 N., R.2 E., at road crossing at Eglon, 300 ft above mouth.	2.24	8-26-58 8-28-58	.03 0
Puget Sound tributary (formerly unnamed tributary)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.27 N., R.2 E., at road crossing, $\frac{1}{4}$ mile above mouth, $\frac{1}{2}$ mile south of Eglon.	.95	8-26-58 8-28-59	.04 .15
Carpenter Lake Outlet (formerly unnamed tributary)	Puget Sound (Appletree Cove)	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.27 N., R.2 E., at second road crossing above mouth, $\frac{1}{4}$ mile west of Kingston.	-	8-26-47 8-27-58 8-27-59	0 0 0
Grovers Creek	Puget Sound (Miller Bay)	Northwest corner NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.26 N., R.2 E., at road crossing, $\frac{1}{2}$ mile above mouth, 2 $\frac{1}{2}$ miles northwest of Indianola.	6.45	7- 9-47 7-24-47 8- 5-47 8-26-47 9-17-47 9-29-47 8-27-58	.44 .43 .33 .37 .69 .60 .36
Puget Sound tributary No. 2	Puget Sound	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.26 N., R.2 E., at road crossing, 400 ft above mouth, 1 mile north of Squamish.	.62	8-26-47 8-27-58	.06 .18
Puget Sound tributary No. 3	Puget Sound (Agate Passage)	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.26 N., R.2 E., at crossing of State Highway 21A, 600 ft above mouth, 2 miles east of Keysport.	2.35	8-27-58 8-28-59	.14 .06

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins on Kitsap Peninsula (east side)--Continued					
Puget Sound tributary No. 3	Puget Sound (Port Orchard)	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.26 N., R.2 E., at crossing, 600 ft above mouth, $\frac{1}{4}$ mile northeast of Keyport.	1.79	8-26-47 8-27-58 8-28-59	0 0 0
Puget Sound tributary No. 4	Puget Sound	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.27 N., R.1 E., at road crossing, 600 ft above mouth, $\frac{1}{4}$ mile north-east of Keyport.	1.44	8-23-59	.02
West Fork Dogfish Creek	Dogfish Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.26 N., R.1 E., at road crossing, 900 ft above East Fork, $1\frac{1}{2}$ miles north of Poulsbo.	2.76	8-25-47 8-26-58 8-26-59	1.95 1.82 2.31
Dogfish Creek	Liberty Bay	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.26 N., R.1 E., at gaging station "near Poulsbo," (operated July 1947 to 1960).	5.01	9-26-42	3.96
Dogfish tributary (formerly unnamed creek)	Dogfish Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.26 N., R.1 E., at road crossing, 1 mile north of Poulsbo.	1.15	8-25-47 8-26-58 8-26-59	.19 .18 .50
Liberty Bay tributary (formerly unnamed tributary)	Liberty Bay	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.26 N., R.1 E., at crossing of State Highway 21, 800 ft above mouth, $\frac{1}{2}$ mile west of Poulsbo.	2.56	8-26-47 8-25-58 8-26-59	.66 .84 1.17
Little Scandia Creek (formerly Scandia Creek)	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.26 N., R.1 E., at road crossing, $\frac{1}{2}$ mile above mouth, 1 mile north-west of Keyport.	2.18	8-25-58 8-26-59	.10 .12
Liberty Bay tributary No. 2	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.26 N., R.1 E., at road crossing, 600 ft above mouth, $\frac{1}{4}$ mile west of Keyport.	.36	9-25-47 8-25-58 8-26-59	.26 0 .15
Liberty Bay tributary No. 3	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.26 N., R.1 E., at crossing of State Highway 21B, 800 ft above mouth, $\frac{1}{2}$ mile southwest of Keyport.	.08	9-25-47 8-25-58 8-26-59	.10 .05 .14
Steel Creek	Burke Bay	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.25 N., R.1 E., at crossing of State Highway 21B, at mouth, $\frac{1}{2}$ mile west of Brownsville.	4.75	7- 8-47 7-24-47 8- 5-47 8-26-47 9-17-47 9-29-47 6-20-56 7-16-58 7-29-58 8-25-58 6-24-59 7-11-59 7-22-59 8- 7-59	1.12 1.09 1.02 .89 1.30 1.23 2.07 1.23 1.29 1.15 2.96 2.01 1.65 1.72
Illahee Creek (formerly unnamed creek)	Port Orchard	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.25 N., R.2 E., at crossing of State Highway 21B at Illahee.	1.28	8-27-47 8-22-58	.41 .49
Port Orchard tributary (formerly unnamed tributary)	Port Orchard	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.24 N., R.2 E., at road crossing 1,000 ft above mouth, at east city limit of Bremerton.	.70	8-27-47 8-22-58	.26 .40
Dyes Inlet tributary (formerly unnamed tributary)	Dyes Inlet	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.24 N., R.1 E., at road crossing, $\frac{1}{4}$ mile above mouth, $\frac{1}{4}$ mile south of Tracyton.	.21	8-22-58	.05
Mosher Creek (formerly unnamed creek)	.....do.....	West line of NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.25 N., R.1 E., at road crossing, at Tracyton.	1.58	8-26-47 8-22-58	.28 .42
Dyes Inlet tributary No. 2 (formerly Moser Creek)	.....do.....	South line NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.25 N., R.1 E., at road crossing, 1,000 ft above mouth, $1/3$ mile north of Tracyton.	.42	8-26-47 8-22-58	0 0
Dyes Inlet tributary No. 3	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.25 N., R.1 E., at road crossing, $\frac{1}{4}$ mile above mouth at Fairview.	.27	8-26-47 8-22-58	0 .02

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins on Kitsap Peninsula (east side)--Continued					
Barker Creek (formerly Baker Creek)	Dyes Inlet	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.25 N., R.1 E., at road crossing, at mouth, 1 $\frac{1}{4}$ miles southeast of Silverdale.	4.02	8-26-47 8-22-58	1.81 2.90
Clear Creek tributary (formerly unnamed creek)	Clear Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.25 N., R.1 E., at mouth just above highway crossing, 1 $\frac{1}{4}$ miles north of Silverdale.	3.68	8-27-47 8-26-58 8-27-59	2.16 2.87 2.94
Clear Creek	Dyes Inlet	South line of SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.25 N., R.1 E., at gaging station "near Silverdale," (operated July to Oct. 1947).	7.46	8-13-51 6-20-58 7-16-58 7-29-58 8-26-58 6-24-59 7-11-59 7-22-59 8- 7-59	2.71 3.19 2.87 2.23 3.25 4.57 3.17 3.00 3.09
Dyes Inlet tributary No. 4	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.25 N., R.1 E., at crossing of State Highway 21, 1,000 ft above mouth, $\frac{1}{2}$ mile north of Silverdale.	.44	8-21-58 8-26-59	.07 .13
Strawberry Creek	.....do.....	Center of NE $\frac{1}{4}$ sec.20, T.25 N., R.1 E., at crossing of State Highway 21, 1,000 ft above mouth, at Silverdale.	3.01	8-27-47 8-21-58	1.08 1.24
Koch Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.25 N., R.1 E., at crossing of State Highway 21, near mouth, $\frac{1}{4}$ mile south of Silverdale.	.28	8-21-58	0
Dyes Inlet tributary No. 5	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.25 N., R.1 E., at crossing of State Highway 21, near mouth, $\frac{1}{2}$ mile south of Silverdale.	.55	8-21-58	.03
Dyes Inlet tributary No. 6	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.25 N., R.1 E., at crossing of State Highway 21, near mouth, 1 $\frac{1}{4}$ miles south of Silverdale.	.40	9-25-47 8-22-58	.50 .20
Dyes Inlet tributary No. 7	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.25 N., R.1 E., at crossing of State Highway 21, 400 ft above mouth, 1 $\frac{1}{2}$ miles south of Silverdale.	.17	8-22-58	1.16
Dyes Inlet tributary No. 8	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.25 N., R.1 W., at crossing of State Highway 21, near mouth, 0.3 mile north of Chico.	.05	8-22-58	.18
Dyes Inlet tributary No. 9	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.25 N., R.1 E., at crossing of State Highway 21, at Chico.	.23	8-27-47 8-22-58	.41 .06
Chico Bay tributary (formerly unnamed tributary)	Chico Bay	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.24 N., R.1 E., at crossing of State Highway 21, $\frac{1}{2}$ mile south of Chico.	.13	8-27-47 8-21-58	.23 .25
Wildcat Creek	Chico Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.24 N., R.1 W., at outlet of Wildcat Lake.	2.50	7- 8-47 7-23-47 8- 5-47 8-27-47 9-17-47 9-30-47 12-11-47 1-13-48 2-20-48 4- 1-48 5- 7-48 6-17-48 7-16-48 8-20-48 9-29-48 11-17-48 1- 5-49 2-15-49 3-16-49 4-21-49 5-25-49 6-29-49 8- 4-49 9-14-49 10-22-49 11-29-49 1-20-50 2-24-50	.70 .24 .11 .03 0 0 1.84 19.7 23.2 6.34 9.46 2.46 1.25 1.42 1.40 21.0 9.62 6.42 4.13 2.02 1.64 .30 .10 0 .29 24.8 13.2 15.2



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins on Kitsap Peninsula (east side)--Continued					
Wildcat Creek (Cont.)	Chico Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.24 N., R.1 W., at outlet of Wildcat Lake.		4- 4-50 5-16-50 6-27-50 8- 8-50 8-20-58 8-25-59	7.46 2.18 .97 .16 .01 .02
Dickerson Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.24 N., R.1 E., at crossing of lane above mouth.	2.19	7- 8-47 7-23-47 8- 5-47 8-27-47 9-17-47 8-21-58 8-24-59	.26 .16 .04 .04 .39 .06 .26
Kitsap Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.24 N., R.1 E., at road crossing at outlet of Kitsap Lake, 2 miles south of Chico.	2.75	7- 8-47 7-23-47 8- 5-47 8-27-47 9-17-47 9-30-47 12-11-47 1-14-48 2-19-48 3-29-48 5- 7-48 6-17-48 7-16-48 8-20-48 9-29-48 11-17-48 1- 5-49 2-14-49 3-17-49 4-21-49 5-25-49 6-29-49 8- 4-49 9-14-49 10-22-49 11-29-49 1-19-50 2-24-50 4- 4-50 5-16-50 6-27-50 8- 8-50 8-13-51 8-21-58 8-25-59	1.35 .69 .43 .40 2.00 1.45 3.15 17.0 20.1 13.7 11.3 4.16 2.23 1.45 6.50 13.2 12.0 10.3 10.9 6.45 4.46 1.28 .59 .34 1.87 25.2 11.9 21.3 13.4 5.16 2.51 .95 .36 .08 .48
Chico Creek	Chico Bay	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.24 N., R.1 E., at gaging station "near Bremerton," (operated July 1947 to Sept. 1950).	15.3	6-20-58 7-16-58 7-29-58 8-21-58 6-24-59 7-11-59 7-22-59 8- 7-59	3.95 1.31 .66 .24 6.89 4.91 2.09 1.03
Gorst Creek	Sinclair Inlet	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.24 N., R.1 E., at road crossing, 150 ft above Heins Creek, $\frac{1}{4}$ mile northwest of Gorst.	4.35	8-28-47 8-19-58 8-21-59	7.68 8.02 8.78
Heins Creek	Gorst Creek	Center of west line NW $\frac{1}{4}$ sec.32, T.24 N., R.1 E., at road crossing, 200 ft above mouth, $\frac{1}{4}$ mile northwest of Gorst.	1.63	8-28-47 8-19-58 8-21-59	.63 .62 .64
Parish Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.24 N., R.1 E., at crossing of old Navy Yard Way at north edge of Gorst.	1.66	8-28-47 8-19-58 8-21-59	.81 .86 .90
Blackjack Creek tributary (formerly unnamed tributary)	Blackjack Creek	West line NW $\frac{1}{4}$ sec.23, T.23 N., R.1 E., at crossing of Sidney Road, $\frac{1}{4}$ mile above mouth.	1.41	9-26-47 8-19-58	3.81 3.61
Blackjack Creek	Sinclair Inlet	Near center of NW $\frac{1}{4}$ sec.11, T.23 N., R.1 E., at road crossing, 2 miles south of Port Orchard and 3 miles above mouth.	10.5	8-28-47 8-19-58	4.75 5.00

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins on Kitsap Peninsula (east side)--Continued					
Blackjack Creek	Sinclair Inlet	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.24 N., R.1 E., at gaging station "at Port Orchards," (operated July 1947 to Sept. 1950).	12.3	6-20-58 7-16-58 8-22-58 6-24-59 7-11-59 7-22-59 8- 7-59	9.05 7.52 7.83 12.1 10.3 9.58 8.63
Annapolis Creek	Port Orchard	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.24 N., R.1 E., at crossing of Beach Drive at mouth, at east edge Veterans Home grounds, at Annapolis.	1.86	8-27-47 8-21-58	1.64 1.56
Wilson Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.24 N., R.2 E., at crossing of Beach Drive, at mouth, $\frac{1}{4}$ mile east of Annapolis.	.20	8-27-47 8-21-58	.40 .40
Port Orchard tributary No. 2	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.24 N., R.2 E., at crossing of Beach Drive, at mouth, 400 ft east of Wilson Creek.	.07	8-21-58	.17
Sullivan Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.24 N., R.2 E., 300 ft above crossing of Beach Drive, near mouth.	1.00	8-27-47 8-21-58	.42 .36
Port Orchard tributary No. 3	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.24 N., R.2 E., at crossing of Beach Drive, at mouth.	.25		
Port Orchard tributary No. 4	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.24 N., R.2 E., at crossing of Beach Drive, at mouth, at Waterman.	.32	8-27-47 8-21-58	0 0
Port Orchard tributary No. 5	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.24 N., R.2 E., at road crossing, 0.4 mile above mouth, $\frac{1}{2}$ mile northeast of Waterman.	.40	8-21-58	.10
Beaver Creek	Clam Bay	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.24 N., R.2 E., at crossing of Beach Drive, 0.4 mile above mouth.	1.61	8-27-47 8-21-58	.44 .62
Duncan Creek	Puget Sound	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.24 N., R.2 E., at crossing of State Highway 14, at south edge of Manchester.	.45		
Salmonberry Creek	Long Lake	South line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.23 N., R.2 E., at road crossing, 0.6 mile above mouth.	4.99	8-28-47 8-21-58	1.36 1.29
Gurley Creek (formerly Gurley Creek)	Yukon Harbor	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.23 N., R.2 E., 1 mile below Long Lake outlet.	11.6	7- 9-47 7-30-47 8-14-47 8-28-47 9-19-47 8-13-51 6-20-58 7-16-58 7-28-58 8-21-58 6-24-59 7-22-59 8-14-59	7.11 5.61 5.46 5.15 8.49 6.21 6.72 5.15 3.13 4.29 10.8 5.95 4.75
Yukon Harbor tributary (formerly unnamed tributary)	Yukon Harbor	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.24 N., R.2 E., at crossing of State Highway 14, at South Colby.	.21	8-21-58	.04
Yukon Harbor tributary No. 2	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.24 N., R.2 E., at crossing of State Highway 14, at South Colby.	.05	8-28-47 8-21-58	0 0
Yukon Harbor tributary No. 3	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.24 N., R.2 E., at crossing of State Highway 14, 0.1 mile east of South Colby.	.96	8-28-47 8-21-58	0 .09
Yukon Harbor tributary No. 4	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.24 N., R.2 E., at crossing of State Highway 14, 0.2 mile east of South Colby.	.42	8-28-47	0
Puget Sound tributary No. 5	Puget Sound	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.23 N., R.2 E., at crossing of State Highway 14, 0.5 mile south of Harper.	.43	8-21-58	0

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins on Kitsap Peninsula (east side)--Continued					
Olalla Creek	Olalla Bay	South line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.23 N., R.2 E., at road crossing just west of Olalla School.	3.88	7- 9-47 7-31-47 8-14-47 8-28-47 9-20-47 7- 2-58 7-17-58 7-28-58 8-18-58 8-29-58 6-24-59 7-22-59 8-14-59	3.62 3.51 4.00 4.12 4.63 3.99 3.73 3.03 4.01 4.78 4.71 3.34 4.59
Crescent Creek	Gig Harbor	Center of west line NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.22 N., R.2 E., at road crossing, 1 mile above mouth.	4.64	7- 9-47 7-31-47 8-14-47 8-29-47 9-20-47 7- 1-58 7-17-58 7-28-58 8-18-58 7- 8-59 7-31-59 8-14-59	1.56 1.27 1.75 1.49 1.81 1.99 1.85 1.29 1.97 2.74 1.91 1.75
Sullivan Gulch Creek	Wollochet Bay	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.21 N., R.2 E., at crossing of Carr Inlet-Wollochet Road near mouth.	1.61	8-20-58	.08
Wollochet Bay tributary (formerly unnamed tributary)	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.21 N., R.2 E., at road crossing, near mouth, at Picnic Point.	1.87		
Wollochet Bay tributary No. 2	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.21 N., R.1 E., at Carr Inlet-Wollochet Road near mouth.	2.52		
Artondale Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.21 N., R.1 E., at road crossing, near mouth, at Artondale.	2.99	8-29-47 8-20-58	.92 .76
Hale Passage tributary (formerly unnamed tributary)	Hale Passage	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.21 N., R.1 E., at road crossing at Cromwell.	.10	8-29-47 8-20-58	0 0
Hale Passage tributary No. 2	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.21 N., R.1 E., at crossing of Hale Passage Road, $\frac{1}{4}$ mile east of north end of Fox Island Bridge.	.19	8-20-58	.03
Warren Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.21 N., R.1 E., 30 ft below culvert on Hale Passage Road.	.83	8-20-58	.06
Carr Inlet tributary (formerly unnamed tributary)	Carr Inlet	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.21 N., R.1 E., at road crossing, $1\frac{1}{2}$ miles southwest of Rosedale.	.14	8-29-47 8-20-58	.14 .06
Carr Inlet tributary No. 2	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.21 N., R.1 E., 1,000 ft above road crossing, $\frac{1}{4}$ mile southwest of Rosedale.	2.03	8-29-47 8-20-58	.84 .64
Carr Inlet tributary No. 3	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.21 N., R.1 E., at road crossing, at mouth, at Rosedale.	.71	8-29-47 8-20-58	1.05 .96
Lay Inlet tributary (formerly unnamed tributary)	Lay Inlet	Center of NW $\frac{1}{4}$ sec.2, T.21 N., R.1 E., at road crossing, 0.3 mile above mouth, $\frac{1}{4}$ mile north of Rosedale.	.52	8-22-58	.08
McCormick Creek	Henderson Bay	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.22 N., R.1 E., at road crossing near mouth, 1 mile south of Purdy.	2.36	8-29-47 8-18-58	.93 .98
Henderson Bay tributary (formerly unnamed tributary)	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.22 N., R.1 E., at crossing of State Highway 14, 800 ft above mouth, $\frac{1}{2}$ mile south of Purdy.	1.55	8-29-47 8-21-58	.39 .02

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins on Kitsap Peninsula (east side)--Continued					
Purdy Creek	Burley Lagoon	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.22 N., R.1 E., at gaging station "at Purdy," (operated Nov. 1959 to 1960).	3.44	8- 4-47 8-14-47 8-28-47 9-19-47 7- 1-58 7-17-58 7-28-58 8-11-58 8-29-58 6-19-59 7- 8-59 7-17-59 7-31-59 8-17-59	1.78 1.66 1.44 1.97 2.56 1.94 1.83 2.51 2.48 2.52 2.49 2.23 1.75 1.76
Burley Creek tributary (formerly unnamed creek)	Burley Creek	Center of sec.1, T.22 N., R.1 E., at road crossing, $\frac{1}{2}$ mile above mouth, $\frac{1}{4}$ mile north-east of Burley.	.52	9-26-47 8-18-58	.12 .05
Burley Creek tributary No. 2	.....do.....	East line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.22 N., R.1 E., at road crossing, 500 ft above mouth, at Burley.	1.99	9-26-47 8-18-58 8-17-59	2.25 2.59 2.68
Burley Creek tributary No. 3	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.22 N., R.1 E., at mouth, at Burley.	.51	9-26-47 8-18-58 8-17-59	.16 .38 .32
Burley Creek	Burley Lagoon	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.22 N., R.1 E., at gaging station "at Burley," (operated July 1947 to Sept. 1950, Nov. 1959 to 1960).	10.7	8-13-51 7- 1-58 7-17-58 7-28-58 8-19-58 8-29-58 7- 8-59 7-17-59 7-31-59 8-17-59	15.8 10.4 12.5 11.1 13.9 16.6 17.4 16.4 14.8 16.8
Minter Creek	Henderson Bay	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.22 N., R.1 E., at road crossing, $\frac{1}{4}$ mile above Hugh Creek.	5.67	7-11-47 7-30-47 8-13-47 8-29-47 9-19-47 10- 3-47 10-24-52 7- 1-58 7-17-58 8-11-58 8-29-58 6-19-59 7- 8-59 7-17-59 7-31-59 8-14-59	6.65 5.84 5.90 5.76 6.42 10.0 6.48 6.52 5.30 6.25 6.31 8.18 7.86 7.06 6.03 6.28
Huge Creek	Minter Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.22 N., R.1 E., at gaging station "near Wauna," (operated July 1947 to 1960).	6.47		
Minter Creek tributary (formerly Horseshoe Lake Outlet)	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.22 N., R.1 E., at road crossing, $\frac{1}{4}$ mile above mouth.	2.34	8-29-47 8-11-58 8-14-59	0 0 .02
Minter Creek	Henderson Bay	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.22 N., R.1 E., 200 ft upstream from State fish hatchery diversion dam.	-	10-24-52	18.4
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.22 N., R.1 E., 400 ft below State fish hatchery diversion dam.	15.6	10-24-52	9.80
Lackey Creek	Glen Cove	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.22 N., R.1 E., at crossing of Gig Harbor-Longbranch Road, 1 mile above mouth.	1.78	8-29-47 8-11-58 8-17-59	0 0 0
Von Geldern Cove tributary (formerly unnamed tributary)	Von Geldern Cove	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.21 N., R.1 W., at crossing of Gig Harbor-Longbranch Road, $\frac{1}{4}$ mile above mouth, at Home.	1.22	8-29-47 8-13-58 8-18-59	.21 .43 Trace

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins on Kitsap Peninsula (east side)--Continued					
Von Geldern Cove tributary No. 2	Von Geldern Cove	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.21 N., R.1 W., at crossing of Gig Harbor-Longbranch Road at mouth, at Home.	2.60	8-13-58 8-18-59	0 .64
Dutcher Creek	Dutcher Cove	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.21 N., R.1 W., 100 ft below crossing of Lackey Road, $\frac{1}{2}$ mile above mouth	2.25	8-29-47 8-11-58 8-18-59	.20 .13 .34
Vaughn Bay tributary (formerly unnamed tributary)	Vaughn Bay	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.38, T.22 N., R.1 W., at crossing of State Highway 14B, $\frac{1}{2}$ mile above mouth, $\frac{1}{2}$ mile east of Vaughn.	.89	8-11-55	.21
Vaughn Bay tributary No. 2	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.21 N., R.1 W., above road crossing, 400 ft above mouth, $\frac{1}{4}$ mile east of Vaughn.	1.30	8-18-59	.27
Vaughn Bay tributary No. 3	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.21 N., R.1 W., at road crossing near mouth, at Vaughn.	2.44	8-11-56 8-18-59	.05 .06
Rocky Creek	Rocky Bay	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.22 N., R.1 W., at crossing of Rocky Bay Point Road, 500 ft above mouth.	18.1	7-11-47 7-30-47 8-13-47 8-29-47 9-19-47 6-16-58 7-11-58 7-18-58 8-13-58 8-29-58 6-19-59 7- 8-59 7-17-59 7-31-59 8-18-59	4.48 3.92 3.90 3.49 3.88 5.34 5.12 4.42 3.98 4.20 6.10 5.15 4.54 3.70 4.30
Coulter Creek tributary (formerly unnamed creek)	Coulter Creek	West line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.22 N., R.1 W., at road crossing, 0.3 mile above mouth, 2.1 miles southeast of Belfair.	2.71	8-28-47 8-12-58 8-19-59	.32 .50 .53
Coulter Creek tributary No. 2	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.22 N., R.1 W., at road crossing at mouth, 2 miles northeast of Allyn.	1.03	8-28-47 8-12-58 8-19-59	1.27 1.44 0
Coulter Creek tributary No. 3	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.22 N., R.1 W., at road crossing, 200 ft above mouth, $1\frac{1}{2}$ miles northeast of Allyn.	.20	8-28-47 8-12-58 8-19-59	1.14 1.19 1.52
Coulter Creek	North Bay	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.22 N., R.1 W., 200 ft above crossing of State Highway 14B, 200 ft above mouth, $1\frac{1}{2}$ miles northeast of Allyn.	14.1	7-11-47 7-16-47 7-30-47 8-13-47 8-28-47 9-19-47 6-16-58 7-11-58 7-18-58 8-12-58 6-19-59 7- 9-59 7-20-59 8- 5-59 8-18-59	16.7 16.9 15.1 15.4 15.8 16.7 18.7 18.8 18.4 19.0 17.0 16.7 16.6 15.4 17.4
Minor basins between Kitsap Peninsula and Deschutes River					
Shumocher Creek	Mason Lake	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.21 N., R.3 W., at road crossing $3\frac{1}{2}$ miles above Mason Lake.	3.86	8- 1-51 9-20-51	4.50 2.98
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.21 N., R.2 W., at gaging station "near Union," (operated June to Oct. 1951).	11.0		
Sherwood Creek	North Bay	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.22 N., R.2 W., at road crossing $\frac{1}{2}$ mile below Mason Lake.	20.2	6- 7-51 6-27-51 7-10-51 7-30-51 9- 6-51	11.0 35.8 18.0 .60 .58

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Kitsap Peninsula and Deschutes River--Continued					
Sherwood Creek	North Bay	Lot 4, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.22 N., R.1 W., above crossing of State Highway 14A, $\frac{1}{4}$ mile above mouth.	31.5	5-30-43 7-22-43 9-29-43 7-30-51 9- 6-51	30.9 17.2 10.3 7.65 7.89
Jones Creek	Pickering Passage	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.21 N., R.2 W., at crossing of Grant Ferry Road, 0.2 mile above mouth.	1.17	8- 7-51 9- 6-51	1.34 1.39
Pickering Passage tributary (formerly unnamed tributary)	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.20 N., R.2 W., at road crossing near mouth, at Graham Point.	-	8- 7-51	0
Pickering Passage tributary No. 2	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.20 N., R.2 W., 300 ft above road crossing near mouth, $\frac{1}{2}$ mile north of Green Haven.	.94	8- 7-51 9- 6-51	.18 .11
Hammersley Inlet tributary (formerly unnamed stream)	Hammersley Inlet	On south line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.20 N., R.2 W., at road crossing $\frac{1}{4}$ mile above mouth, 6 $\frac{1}{2}$ miles east of Shelton.	.32	8- 7-51	0
Hammersley Inlet tributary No. 2	.....do.....	South line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.20 N., R.3 W., at road crossing $\frac{1}{2}$ mile above mouth, 1 mile north of Libby Point Light.	-	8- 7-51 9- 6-51	Trace Trace
Hammersley Inlet tributary No. 3	.....do.....	South line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.20 N., R.3 W., at road crossing $\frac{1}{2}$ mile above mouth, 1 mile northwest of Libby Point Light.	-	8- 8-51	0
Campbell Creek	Chapman Cove (Oakland Bay)	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.20 N., R.3 W., 100 ft above road crossing, $\frac{1}{2}$ mile above mouth, 0.6 mile north of Agate.	3.76	1- 2-43 5-29-43 7-21-43 9-28-43 8- 7-51 9- 6-51	21.1 3.51 1.13 1.02 .57 .47
Uncle John Creek tributary (formerly unnamed stream)	Uncle John Creek	Center of east line Sec.11, T.20 N., R.3 W., at road crossing 0.8 mile above mouth, 1 $\frac{1}{2}$ miles southeast of Bayshores.	.43	1- 2-43 5-29-43 9-28-43	2.57 .27 .08
Malaney Creek (formerly Spencer Creek)	Oakland Bay	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.20 N., R.3 W., at road crossing, 2 $\frac{1}{2}$ miles north of Agate.	3.52	1- 2-43 5-29-43 7-21-43 9-28-43 8- 7-51 9- 6-51	15.8 1.28 .78 .82 .78 .70
Deer Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.21 N., R.3 W., at gaging station "near Shelton," (operated Dec. 1942 to Sept. 1943, Aug. 1948 to Sept. 1950, May to Sept. 1951).	13.3	6-15-48 6-29-48 10-11-51	28.0 25.0 26.1
Spring Creek	Deer Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.21 N., R.3 W., at county road crossing, 300 ft south of junction with State Highway 14A.	1.24	7-21-43 9-28-43 8- 7-51 9- 6-51	1.30 1.00 1.45 1.34
Cranberry Creek	Oakland Bay	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.21 N., R.3 W., at road crossing, 5 miles northeast of Shelton.	13.6	8- 1-51 8- 1-51 9-20-51	5.95 5.86 5.09
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.21 N., R.3 W., at road crossing 200 ft below City of Tacoma power line.	14.6	6-29-48	11.5
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.21 N., R.3 W., at gaging station "near Shelton," (operated Dec. 1942 to Sept. 1943, Aug. 1948 to Sept. 1951).	b16.6	6-15-48 10- 6-51	17.8 15.3
Oakland Bay tributary (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.21 N., R.3 W., at State Highway 14A at mouth.	.19	8- 2-51 9- 6-51	Trace Trace
Oakland Bay tributary No. 2	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.20 N., R.3 W., at State Highway 14A at mouth.	.22		

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Kitsap Peninsula and Deschutes River--Continued					
Johns Creek	Oakland Bay	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.20 N., R.3 W., $\frac{1}{2}$ miles above former gaging station.	-	6-29-46	10.7
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.20 N., R.3 W., at gaging station "near Shelton," (operated Dec. 1942 to Sept. 1943, Aug. 1948 to Oct. 1950, May to Sept. 1951).	618.6	11-10-50 10-10-51	19.1 7.72
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.20 N., R.3 W., at State Highway 14A near mouth.	20.7	5-30-43 7-21-43 9-28-43 6-15-48	27.4 14.5 9.01 27.2
Oakland Bay tributary No. 3	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.20 N., R.3 W., at State Highway 14A, at mouth at Oakland.	1.61		
North Fork Goldsborough Creek	Goldsborough Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.20 N., R.4 W., at Matlock Road at Dayton.	19.9	8- 1-51 8-27-51	5.31 5.25
Goldsborough Creek	Oakland Bay	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.20 N., R.4 W., at gaging station "near Shelton," (operated June 1951 to 1960).	39.3		
Coffee Creek	Goldsborough Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.20 N., R.4 W., at road crossing $\frac{1}{2}$ mile above mouth, 1/3 mile west of Shelton.	5.03	8- 1-51 8-27-51	4.49 3.69
Goldsborough Creek	Oakland Bay	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.20 N., R.3 W., at gaging station "at Shelton," (operated Dec. 1942 to Sept. 1943, June to Sept. 1951).	651.4	10- 9-51	18.7
Hammersley Inlet tributary No. 4	Hammersley Inlet	South line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.20 N., R.3 W., at Arcadia Road, 3 miles east of Shelton city limits.	.17		
Gosnell Creek	Isabella Lake	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.19 N., R.4 W., 1 $\frac{1}{2}$ miles west of Isabella Lake.	12.4	7-31-51 8-27-51	10.4 9.43
Mill Creek	Hammersley Inlet	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.20 N., R.3 W., at gaging station "at Shelton," (operated Dec. 1942 to Sept. 1943, May to Sept. 1951).	620.0		
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.20 N., R.3 W., at road crossing $\frac{1}{2}$ mile above mouth, 4 miles east of Shelton.	30.1	8- 6-51 9- 4-51	13.4 12.8
Totten Inlet tributary (formerly unnamed stream)	Totten Inlet	NW $\frac{1}{4}$ sec.32, T.20 N., R.3 W., at road crossing 3 $\frac{1}{2}$ miles east of Shelton.	-	8- 6-51 9- 4-51	Trace 0
Skookum Inlet tributary (formerly unnamed stream)	Skookum Inlet	South line NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.19 N., R.3 W., at Lynch Road, at mouth, 4 miles southeast of Shelton.	1.76	8- 6-51 9- 4-51	.12 .09
Skookum Inlet tributary No. 2	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.19 N., R.3 W., at Lynch Road, near mouth, 2.8 miles northeast of Kamilche.	.99	8- 6-51 9- 4-51	1.59 1.16
Skookum Inlet tributary No. 3	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.19 N., R.3 W., at Lynch Road, 1.4 miles northeast of Kamilche.	.97		
Skookum Creek tributary (formerly unnamed stream)	Skookum Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.19 N., R.4 W., at Shelton cutoff, State Highway 9D, at Forbes.	1.72	8-27-51	0
Skookum Creek	Skookum Inlet	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.19 N., R.3 W., at gaging station "at Kamilche," (operated June 1951 to Nov. 1958).	616.1		
Little Creek	Skookum Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.19 N., R.3 W., at State Highway 9D at Kamilche.	2.07	7-31-51 8-27-51	.28 .27
Kennedy Creek	Oyster Bay	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.1, T.18 N., R.4 W., at gaging station "near Kamilche," (operated Feb. to Dec. 1960).	17.4		

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Kitsap Peninsula and Deschutes River--Continued					
Kennedy Creek	Oyster Bay	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.19 N., R.3 W., at gaging station "near New Kamilche," (operated May to Sept. 1951).	19.8	10-11-51	7.11
Schneider Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.18 N., R.3 W., at road crossing near intersection of Whittaker Road and U. S. Highway 101.	3.65	7-31-51	0
Schneider Creek tributary	Schneider Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.19 N., R.3 W., (crest-stage gage "near Shelton.")	1.09	12-14-23 2-10-26 12-12-31 12-16-36 1- 4-38 2-14-39 2- 6-40 1-17-41 3- 5-42 1-28-43 2- 5-44 11-18-45 11-23-46 12- 2-48 12-28-49 2-10-51 12- 4-51 1-31-53 1- 5-54 1- 6-54 2- 8-55 12-11-55 12- 9-56 12-25-57 1-24-59 4-29-59 12-15-59	65 76 73 80 69 76 73 80 73 76 69 65 80 88 97.4 96.3 24.1 54.2 #50.4 55.2 47.2 73.2 106 35 39 #24.5 86
Eld Inlet tributary (formerly unnamed stream)	Eld Inlet	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.18 N., R.3 W., at U. S. Highway 101, at mouth, at Rock Point.	.57	7-31-51	0
Perry Creek	.....do.....	South line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.18 N., R.3 W., along gravel road, 1 $\frac{1}{4}$ miles above mouth, 1 mile west of McIntosh.	5.00	6- 5-51 6-25-51 7-10-51 8-27-51	.95 .27 .21 0
McLane Creek tributary (formerly unnamed stream)	McLane Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.18 N., R.2 W., at road crossing near mouth, 1 $\frac{1}{2}$ miles south of McIntosh.	.62		
McLane Creek tributary No. 2	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.18 N., R.2 W., at road crossing near mouth, 1 $\frac{1}{4}$ miles south of McIntosh.	.83	7-31-51 8-27-51	1.23 1.05
McLane Creek	Eld Inlet	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.18 N., R.2 W., at road crossing, 1 $\frac{1}{4}$ miles south of McIntosh.	11.5	6- 5-51 6-25-51 7-10-51 7-31-51 8-27-51	6.25 3.88 3.42 2.14 2.03
Percival Creek	Budd Inlet	South line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.18 N., R.2 W., at road crossing, $\frac{1}{2}$ mile northwest of Tumwater.	5.84	7- 6-49 8- 1-49 8-15-49 9- 6-49 9-30-49	10.6 8.57 7.54 5.53 6.69
Black Lake Outlet	Percival Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.18 N., R.2 W., at road crossing at northeast end of Black Lake, 3 miles west of Tumwater.	-	8-25-44 7- 6-49 8- 1-49 8-15-49 9- 6-49 9-30-49	0 10.8 8.30 6.39 4.95 6.90
Deschutes River basin					
Deschutes River	Budd Inlet	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.15 N., R.2 E., at road crossing, $\frac{1}{4}$ mile above Mitchell Creek, 7 $\frac{1}{2}$ miles southwest of La Grande.	44.1	7- 8-49 8- 3-49 8-17-49 9- 7-49 10- 3-49	23.4 18.1 15.7 12.6 12.4

‡ Discharge measurement.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Deschutes River basin--Continued					
Deschutes River tributary (formerly unnamed stream)	Deschutes River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.16 N., R.1 E., at road crossing $\frac{1}{4}$ mile above mouth, $\frac{1}{4}$ mile south-east of Vall.	6.82	8-16-49 9- 7-49	.22 .17
Deschutes River	Budd Inlet	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.16 N., R.1 E., at gaging station "near Rainier," (operated June 1949 to 1960).	89.8		
Offutt Lake Outlet	Deschutes River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.17 N., R.1 W., at road crossing $\frac{1}{4}$ mile below Offutt Lake.	1.85	8-16-49	0
Spurgeon Creek	.....do.....	Center of west line NW $\frac{1}{4}$ sec.20, T.17 N., R.1 W., at gaging station "near Olympia," (operated June 1949 to Nov. 1950).	10.8	8-14-51	10.1
Deschutes River tributary No. 2	.....do.....	West line SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.17 N., R.1 W., at road crossing $1\frac{1}{2}$ miles northwest of East Olympia.	-	7- 6-49 8- 2-49 8-15-49 9- 6-49 9-30-49	1.49 1.27 .99 .76 .47
Deschutes River	Budd Inlet	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.18 N., R.2 W., at gaging station "near Olympia," (operated Apr. 1945 to Nov. 1954, June 1957 to 1960. Crest-stage gage 1955 to 1957).	160	2- 9-55 12-13-55 2-25-57	3,540 6,080 4,210
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.18 N., R.2 W., at farm bridge $\frac{1}{2}$ mile above mouth, at Tumwater.	162	9-15-38	87.0
Indian Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.18 N., R.2 W., 40 ft above culvert on Eastside Street in Olympia.	3.23	7- 6-49 8- 1-49 8-15-49 9- 6-49 9-30-49	1.40 1.30 1.88 1.10 1.22
Minor basins between Deschutes and Nisqually Rivers					
Woodward Creek	Henderson Inlet	Center of north line NW $\frac{1}{4}$ sec.6, T.18 N., R.1 at gaging station "near Olympia," (operated June to Oct. 1949).	3.80		
Woodland Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.18 N., R.1 W., at U. S. Highway 99 $\frac{1}{2}$ mile north of Lacy.	12.4	8-15-49 9- 6-49	2.57 1.63
Beatty Springs	Woodland Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.18 N., R.1 W., 150 ft from source, 1 mile north of Lacy.	-	11- 5-42	4.10
Woodland Creek	Henderson Inlet	South line of SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.18 N., R.1 W., at road crossing $1\frac{1}{2}$ miles north of Lacy.	13.6	6-21-43 7-14-43	12.6 11.1
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.18 N., R.1 W., at gaging station "near Olympia," (operated June 1949 to 1960).	24.6	6-21-43 7-14-43	16.9 14.9
Eaton Creek	Lake St. Clair	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.17 N., R.1 E., at county road crossing, (crest-stage gage "near Yelm").	2.28	12-15-59 11-24-60	46 35
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.17 N., R.1 E., at State Highway 5I, 0.8 mile above Lake St. Clair.	11.9	8-15-49 9- 6-49	6.94 7.41
McAllister Springs	Nisqually Reach	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.18 N., R.1 E., at gaging station "near Olympia," (operated Mar. 1951 to 1960).	-	8-30-49 9-21-49 10- 3-49 10-20-49 1- 6-50 3-22-50 5- 9-50 6- 1-50 8-23-50 9-28-50 11-10-50 1- 5-51 2-14-51 3-14-51	18.4 18.8 23.3 18.8 21.5 38.4 31.4 31.6 27.6 23.9 20.7 29.1 36.2 40.1
McAllister Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.18 N., R.1 E., at first road bridge below McAllister Springs, $1\frac{1}{2}$ miles southwest of Nisqually.	p24.2	8-26-41 10-17-41 4- 8-42 5-27-42 9- 5-42 10-19-42 8-15-49	77.0 55.0 73.8 132 49.4 47.9 63.1

p Only 4.31 sq mi contributing directly from surface runoff.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
. Nisqually River basin					
Paradise River	Nisqually River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.15 N., R.8 E., 100 ft below Tatoosh Creek.	4.92	1-14-20	19.8
Nisqually River	Nisqually Reach	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.15 N., R.8 E., at suspension bridge at Longmire.	19.1	1-15-20	72.0
Tahoma Creek	Nisqually River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.15 N., R.7 E., at main highway crossing, $\frac{1}{2}$ mile above mouth and 1 mile east of Nisqually entrance to Mount Rainier National Park.	14.0	11-22-59	†3,130
Nisqually River	Nisqually Reach	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.15 N., R.7 E., at gaging station "near Ashford," (operated Nov. 1910 to Dec. 1911).	66.4	10-28-10 6-15-12 6-28-12 10- 4-13 7-13-14 10- 8-14 1-15-20	370 761 824 262 721 276 242
Goat Creek	Nisqually River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.15 N., R.7 E., at State Highway 5 near mouth, 4 $\frac{1}{2}$ miles east of Ashford.	-	8-16-49 9- 7-49	4.55 1.50
Sweet Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.15 N., R.7 E., at State Highway 5, near mouth, 4 miles east of Ashford.	-		
Copper Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.15 N., R.7 E., at State Highway 5 near mouth, 3 $\frac{1}{2}$ miles east of Ashford.	-	8-16-49 9- 7-49	5.40 3.18
Nisqually River tributary (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.15 N., R.6 E., at State Highway 5 at east edge of Ashford.	-	8-17-49 9- 7-49	.35 .16
Big Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.1, T.14 N., R.6 E., at west boundary of Snoqualmie National Forest, 2 $\frac{1}{2}$ miles southeast of Ashford.	-	8-16-49 9- 7-49	13.5 9.13
Catt Creek	Big Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.14 N., R.6 E., at bridge on private road $\frac{1}{2}$ mile above Big Creek, 2 miles southeast of Ashford.	20.5	8-16-49 9- 7-49	13.2 9.46
Nisqually River	Nisqually Reach	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.15 N., R.6 E., at gaging station "near National," (operated May 1942 to 1980).	133		
Mineral Creek	Nisqually River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.14 N., R.5 E., 500 ft above North Fork, 1 $\frac{1}{4}$ miles southeast of Mineral.	29.4	8-18-49 9- 8-49	18.4 13.7
North Fork Mineral Creek	Mineral Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.14 N., R.5 E., 400 ft above mouth, 1 $\frac{1}{4}$ miles southeast of Mineral.	26.9	8-18-49 9- 8-49	15.4 14.1
Roundtop Creek tributary (Formerly Coal Creek)	Roundtop Creek	NW $\frac{1}{4}$ sec.9, T.14 N., R.5 E., at State Highway 5, $\frac{1}{4}$ mile southwest of Mineral.	2.15	8-17-49 9- 8-49	.36 .17
Roundtop Creek	Mineral Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.14 N., R.5 E., at road crossing 1/3 mile east of Mineral.	12.5	8-17-49 9- 8-49	2.33 1.97
Mineral Creek	Nisqually River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.15 N., R.5 E., at gaging station "near Mineral," (operated June 1942 to 1960).	75.2		
Nisqually River	Nisqually Reach	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.15 N., R.5 E., 1 mile above Elbe.	222	7-21-01 10- 8-01	773 352
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.15 N., R.5 E., at highway bridge at Elbe.	226	11-26-10 1-21-29 2-12-29 2-12-29 3-23-29 4- 4-29 5- 7-29 6- 1-29 7-16-29 8-27-46 9- 4-46 12- 2-46 3-10-47	1,980 945 482 667 2,420 1,820 2,540 1,930 947 1,440 479 1,690 1,420

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nisqually River basin--Continued					
Nisqually River (Cont.)	Nisqually Reach	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.15 N., R.5 E., at highway bridge at Elbe.		4-30-47 6-11-47 7-24-47 9- 3-47 10-27-48	1,240 1,090 652 309 427
East Creek	Alder Reservoir	Northeast corner of NE $\frac{1}{4}$ sec.6, T.14 N., R.5 E., at Pleasant Valley Road, 2 $\frac{1}{2}$ miles southeast of Elbe.	10.5	9- 8-49	1.40
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.15 N., R.5 E., at gaging station "near Elbe," (operated Aug. 1918 to Sept. 1922, June 1949 to Nov. 1950).	11.6	6-25-18 11-27-49	4.78 †1,120
Alder Reservoir tributary (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.15 N., R.4 E., at Pleasant Valley Road near mouth, 3 miles west of Elbe.	3.18	8-18-49 9- 8-49	.20 .05
Nisqually River	Nisqually Reach	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.15 N., R.4 E., at gaging station "near Alder," (operated Aug. 1931 to Oct. 1944).	249		
Little Nisqually River	Nisqually River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.15 N., R.4 E., at gaging station "near Alder," (operated Aug. 1920 to May 1943).	27.8		
Tacoma Power Conduit	Diverts from Nisqually River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.15 N., R.4 E., 750 ft below headworks and diversion dam of City of Tacoma municipal powerplant.	-	1- 2-12 1-14-32 10-12-32 1-24-33 4-19-35 5-15-35 12- 8-39	301 137 570 93.3 506 521 891
Nisqually River	Nisqually Reach	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.15 N., R.4 E., at gaging station "below Little Nisqually River, near La Grande," (operated Oct. 1906 to Oct. 1911, Oct. 1917 to Sept. 1931).	287	9-11-06 9-14-06 9-19-06 11-15-49	319 876 648 1,610
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.16 N., R.4 E., at gaging station "at La Grande," (operated Oct. 1943 to 1960).	291		
Mashel River	Nisqually River	East line NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.16 N., R.4 E., at State Highway 5 just south of Eatonville.	54.9	8-18-49	18.6
Little Mashel River	Mashel River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.16 N., R.4 E., at State Highway 5 near mouth, $\frac{1}{2}$ mile southwest of Eatonville.	24.2	7- 7-49 7-19-49 8- 1-49 9- 8-49 10- 4-49	1.47 1.00 .93 1.83 2.00
Mashel River	Nisqually River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.16 N., R.4 E., at gaging station "near La Grande," (operated Oct. 1940 to Sept. 1957).	80.7	9-13-40 10- 4-57	45.2 21.2
Twentyfive Mile Creek	Ohop Creek	Center of SE $\frac{1}{4}$ sec.26, T.17 N., R.4 E., at Clay City near mouth.	8.51	8-26-27 8-31-27 10- 6-27 11-11-27 6-17-30 7- 8-49 8- 2-49 8-18-49 9- 6-49 9-30-49	1.82 3.03 40.3 41.0 5.11 2.25 1.61 1.73 1.37 1.80
Lynch Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.16 N., R.4 E., at gaging station "near Eatonville," (operated June to Oct. 1949).	16.9	3-25-27 7-27-27 8-31-27	47.7 4.95 5.89
Ohop Creek	Nisqually River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.16 N., R.4 E., at gaging station "near Eatonville," (operated June 1927 to Sept. 1932, Sept. 1941 to 1960).	34.5	3-10-27 10- 7-32	69.3 3.91
Yelm Irrigation ditch	Nisqually River (diverts from left side)	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.16 N., R.3 W., at Piesaner Road, 6 miles west of La Grande.	-	7-11-49 8- 3-49	59.8 60.3
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.16 N., R.3 E., opposite Nisqually River gaging station 7 $\frac{1}{2}$ miles southeast of McKenna.	-	4-18-45 7-12-45 9-24-45 10-30-45 1-21-46	0 52.2 38.4 9.62 .33

† Peak flow.

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nisqually River basin--Continued					
Yelm Irrigation ditch (Cont.)	Nisqually River (diverts from left side)	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.16 N., R.3 E., opposite Nisqually River gaging station 7 $\frac{1}{2}$ miles southeast of McKenna.		3-12-46 6-26-46 8-13-46 9-24-46 12-23-46 2-24-47 5- 8-47 6-24-47 8- 4-47 9- 6-47 10-30-47 5-13-48 6-10-48 7-22-48 8-26-48 4- 1-49 4-25-49 6-16-49 7-14-49 9-19-49 10-17-49 12-21-49 2- 6-50 3-15-50 5- 8-50 5-16-50 6-28-50 8-17-50 9-25-50	0.61 38.6 60.8 31.8 5.90 9.95 10.3 70.8 71.9 1.78 0 31.9 48.6 70.5 48.3 0 0 62.6 60.0 55.6 1.80 2.63 4.89 0 0 0 47.0 44.2 36.8
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.17 N., R.2 E., above laterals 1 $\frac{1}{2}$ miles south of McKenna.	-	10- 6-48	16.6
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.16 N., R.2 E., opposite headworks of Centralia power canal, near McKenna.	-	8- 6-46 8- 6-46	49.8 51.1
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.16 N., R.2 E., at a point opposite Centralia power canal 1,500 ft below headworks, near McKenna.	-	8- 6-46 8- 6-46	52.1 50.3
Silver Lake Outlet	Kreger Lake	South line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.16 N., R.3 E., at Tanawax Extension Road, 800 ft below Silver Lake.	1.83	8-18-49 9- 7-49	0 0
Elbow Lake Creek	Powell Creek <sup>q</sup>	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.16 N., R.3 E., at Piessner Road above mouth.	3.69	8- 3-49 8-17-49 9- 7-49	1.49 1.62 1.41
Powell Creek	Nisqually River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.16 N., R.3 E., at Piessner Road just below Elbow Lake Creek.	10.2	8-17-49 9- 7-49 10- 3-49	r4.62 r7.83 1.24
Nisqually River	Nisqually Reach	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.16 N., R.3 E., at gaging station "near McKenna," (operated Aug. 1941 to 1960).	445		
Tanwax Creek	Nisqually River	East line NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.17 N., R.3 E., at State Highway 5, 5 miles northeast of Eatonville.	16.0	7- 8-49 7-19-49 8- 1-49 8-18-49 8-22-49 9- 9-49 10- 4-49	.28 .45 1.62 .18 .55 .09 1.09
Rocky Slough	Tule Lake	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.16 N., R.3 E., at road crossing 0.4 mile above Tule Lake.	3.40	8-18-49 9- 8-49	.61 .47
Tanwax Creek	Nisqually River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.16 N., R.3 E., at gaging station "near McKenna," (operated Nov. 1944 to Nov. 1950).	26.0	11- 2-50	33.3
Toboton Creek tributary (formerly unnamed creek)	Toboton Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.16 N., R.3 E., at Piessner Road 7 $\frac{1}{2}$ miles southeast of McKenna.	-	8-17-49 9- 7-49	1.09 1.05
Toboton Creek	Nisqually River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.16 N., R.3 E., at Hobson Road 1,000 ft above mouth.	6.38	7- 8-49 7-20-49 8- 3-49 8-17-49 9- 8-49 10- 3-49	13.3 12.9 12.0 12.9 10.6 8.32

q Some of flow drains into Yelm irrigation canal.

r Major part of flow from spillage from Yelm irrigation ditch.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Misqually River basin--Continued					
Lacamas Creek	Nisqually River	South line SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.16 N., R.2 E., at Hobson Road and Yelm irrigation ditch, 6 $\frac{1}{2}$ miles southeast of McKenna.	1.53	8-17-49 9- 8-49	0.53 .06
Harts Lake tributary (formerly unnamed stream)	Harts Lake	East line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.16 N., R.3 E., at Harts Lake Loop Road 6 miles southeast of McKenna.	1.07	8-18-49	0
Centralia Power canal	Nisqually River (diverts from left side)	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.16 N., R.2 E., $\frac{1}{2}$ mile below headworks, 2 $\frac{1}{2}$ miles southeast of McKenna.	-	3- 5-45 4-23-45 7-13-45 10-25-45 12-13-45 1-21-46 3-12-46 6-25-46 8-14-46 9-30-46 12- 6-46 2-27-47 3-17-47 5- 8-47 6-25-47 8- 5-47 9-18-47 10-30-47 12- 7-47 1-20-48 2-27-48 4- 7-48 5-14-48 6-10-48 7-23-48 8-27-48 10- 5-48 11- 1-48 12-14-48 1-21-49 2-25-49 3-21-49 4-26-49 6-16-49 7-14-49 7-28-49 9-19-49 10-17-49 12-21-49 2- 6-50 3-21-50 5- 8-50 5-16-50 6-28-50 8-17-50 9-25-50 11- 7-50 12- 8-50 1-17-51 3-16-51 4-13-51 5-17-51 7-19-51 9-10-51 10-10-51 11-16-51 1-15-52 2-11-52 3-20-52 4-25-52 6-17-52 8- 5-52 9-15-52 10-17-52 12-10-52 1-26-53 3- 4-53 4-15-53 5-20-53 7-24-53 8-10-53 9- 1-53 10- 6-53 11-10-53 12-22-53	221 215 208 225 276 287 285 281 270 392 415 414 411 391 286 204 214 410 387 423 371 500 370 0 362 363 370 399 399 375 386 368 384 391 372 361 402 389 384 349 347 360 353 366 345 376 374 362 351 358 363 359 388 364 398 378 383 392 374 411 388 396 372 374 364 400 371 386 377 213 226 342 356 325 355

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nisqually River basin--Continued					
Centralia Power canal (Cont.)	Nisqually River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.16 N., R.2 E., $\frac{1}{2}$ mile below headworks, 2 $\frac{1}{2}$ miles southeast of McKenna.		1-29-54	381
				3-12-54	377
				4-12-54	376
				5-25-54	382
				8- 9-54	406
				7-14-54	0
				8-18-54	339
				9-22-54	0
				11- 3-54	0
				12-16-54	0
				1-25-55	401
				3-14-55	406
				4-22-55	391
				6- 6-55	417
				7-14-55	470
				8-15-55	477
				9-20-55	518
				11- 8-55	538
				12-21-55	594
				1-23-56	595
3-27-56	608				
4-18-56	602				
5-29-56	631				
7- 3-56	608				
8-10-56	66.3				
9-28-56	628				
11- 5-56	628				
12-19-56	647				
2- 6-57	620				
3- 8-57	666				
5- 1-57	689				
5-30-57	662				
7-26-57	189				
Horn Creek	Nisqually River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.16 N., R.3 E., at Hart Lake Loop Road 4 $\frac{1}{2}$ miles southeast of McKenna.	14.1	8-18-49 9- 8-49	1.75 1.44
Unnamed Creek	Groundwater	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.16 N., R.2 E., at Bald Hill Road.	-	9- 8-49	.73
McKenna Springs Outlet No. 1 (Formerly McKenna Creek)	Nisqually River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.17 N., R.2 E., at farm road at McKenna. (Flow enters Nisqually River above river gage.)	-	3- 9-50	22.1
				3-21-50	16.0
				5- 8-50	4.59
				6- 2-50	1.85
				6-28-50	.76
9-26-50	1.16				
Nisqually River	Nisqually Reach	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.17 N., R.2 E., at gaging station "at McKenna," (operated Oct. 1947 to 1960).	517	9-19-01	565
				10- 7-01	483
McKenna Springs Outlet No. 2	Nisqually River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.17 N., R.2 E., at railroad crossing at McKenna. (Flow enters Nisqually River below river gage.)	-	3- 9-50	27.6
				3-21-50	16.1
				5- 8-50	11.7
				6- 2-50	7.19
				6-28-50	6.96
8-22-50	7.81				
9-26-50	7.32				
Unnamed Spring	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.17 N., R.2 E., near left bank of Nisqually River 1 $\frac{1}{2}$ miles northwest of McKenna.	-	9-21-50	.06
Murray Creek (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.17 N., R.2 E., at State Highway 5H, 3 miles north of McKenna.	11.0	8-18-49	.02
Unnamed Spring No. 2	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.17 N., R.2 E., near left bank of Nisqually River.	-	9-15-50	1.02
Unnamed Spring No. 3	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.17 N., R.2 E., near left bank of Nisqually River.	-	9-15-50	.09
Unnamed Spring No. 4	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.17 N., R.2 E., near left bank of Nisqually River near Devils Slide.	-	9-14-50	1.28
Unnamed Spring No. 5	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.17 N., R.2 E., near left bank of Nisqually River near Devils Slide.	-	9-14-50	1.23
Yelm Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.17 N., R.2 E., 200 ft below State Highway 5H, 1 mile southeast of Yelm.	17.5	1-19-48	10.4
				9-13-50	.39
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.17 N., R.2 E., at Yelm.	-	9-12-50	.35

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Misqually River basin--Continued					
Yelm Creek	Nisqually River	West line of SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.17 N., R.1 E., at road crossing at north edge of Yelm.	19.3	7- 5-49 7-20-49 8- 2-49 8-16-49 9- 7-49	0.52 1.20 1.37 .58 .40
Crystal Springs	Yelm Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.17 N., R.2 E., 1 mile north of Yelm.	-	8-16-49 9- 7-49	s8.16 s6.66
Yelm Creek	Nisqually River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.17 N., R.1 E., $\frac{1}{4}$ mile above mouth.	-	1-19-48	27.0
Spring Branch	Yelm Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.17 N., R.1 E.	-	9-12-50	1.82
Yelm Creek	Nisqually River	East line NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.17 N., R.1 E., at mouth.	20.6	1-19-48 8-16-49 9- 7-49 9-12-50	28.6 15.9 15.7 13.6
Unnamed Spring No. 6	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.17 N., R.1 E., $\frac{1}{4}$ mile south-east of Centralia powerplant.	-	9-12-50	.52
Thompson Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.17 N., R.1 E., at crossing of Olympia-Yelm Highway (State Highway 5I).	20.5	8-16-49 9- 6-49 10-25-51	.42 .19 0
Muck Creek	Shaver Lake	West line NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.18 N., R.3 E., at gaging station "near Loveland," (operated July to Oct. 1949).	14.5	10-24-60	7.01
South Creek	Muck Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.18 N., R.3 E., 50 ft below Pole Line Road and at edge of Fort Lewis Military Reservation.	34.5	7- 5-49 8- 2-49	.03 0
Muck Creek	Shaver Lake	Center of sec.24, T.18 N., R.2 E., at State Highway 5H, 2 $\frac{7}{8}$ miles northeast of Roy.	54.5	8-18-49 6-19-57 9- 5-57	0 3.92 1.48
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.18 N., R.2 E., 150 ft above Johnson Lake Outlet Creek, 2 $\frac{1}{4}$ miles north-east of Roy.	-	10-24-60	1.26
Johnson Lake Outlet Creek	Muck Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.18 N., R.2 E., 150 ft above East Gate Road on Fort Lewis Military Reservation, 3 miles northeast of Roy.	7.52	6-19-57 9- 5-57 10-24-60	5.70 .67 **3.85
Muck Creek	Chambers Lake	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.18 N., R.2 E., 150 ft below Shaver Lake outlet.	-	10-24-60	4.53
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.18 N., R.2 E., above Chambers Lake, 2 miles northeast of Roy.	-	6-15-60 10-24-60	61.2 7.64
Do.....	Muck Lake	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.18 N., R.2 E., below Chambers Lake, $\frac{1}{2}$ mile northeast of Roy.	70.4	6-19-57 6-15-60 10-24-60	.64 31.6 3.76
Lacamas Creek	.....do.....	East line NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.18 N., R.2 E., at road crossing, 1 $\frac{1}{4}$ miles east of Roy.	14.5	8- 2-49 8-18-49 9- 6-49 10- 3-49	1.03 .96 .94 1.15
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.18 N., R.2 E., at State Highway 5H, $\frac{1}{4}$ mile east of Roy.	15.7	7- 5-49 7-20-49 6-19-57 9- 5-57	1.24 1.06 2.66 .63
Muck Creek	Nisqually River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.18 N., R.2 E., at gaging station "at Roy," (operated May 1956 to 1960).	86.8	7- 5-49 7-20-49 8- 2-49 8-18-49 9- 6-49	2.99 .22 .13 .04 0
Do.....	.....do.....	NW $\frac{1}{4}$ sec.34, T.18 N., R.2 E., 100 ft below outlet of Halverson Marsh in new channel.	-	10-28-60	4.01
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.18 N., R.2 E., at Reservation road crossing adjacent to firing range.	-	10-28-60	8.43
Nisqually River	Nisqually Reach	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.18 N., R.1 E., at U. S. Highway 99, 1 mile north of Nisqually.	712	11-24-59 11-24-59	11,800 11,900

s Some seepage from Centralia Power canal.

\*\* 1,400 ft below East Gate Road in next south section.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Nisqually River and Clover Creek					
Unnamed Spring	Puget Sound	NE $\frac{1}{2}$ SW $\frac{1}{4}$ sec.22, T.19 N., R.1 E., 100 ft southwest of mouth of Sequallitchew Creek, 2 miles northwest of Dupont.	-	10-20-42 11-12-42	3.17 .92
Sequallitchew Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.19 N., R.1 E., at outlet of Sequallitchew Lake, 1 $\frac{1}{4}$ miles northeast of Dupont.	34.2	10- 8-42 10-20-42 11-12-42	0 0 0
Do.....	.....do.....	West line SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.19 N., R.1 E., at Dupont-Stellacoom Road 5/8 mile northeast of Dupont.	36.3	7- 7-49 8- 4-49 8-15-49 9- 6-49 9-30-49	8.79 4.58 3.28 1.74 1.21
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.19 N., R.1 E., at crossing of narrow gauge railroad spur, 1 mile northwest of Dupont.	-	10-20-42 11-12-42	.14 .18
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.19 N., R.1 E., 200 ft above pumping plant, 3,000 ft above mouth, 1 $\frac{1}{2}$ miles northwest of Dupont.	-	11-12-42	.29
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.19 N., R.1 E., at mouth.	38.4	10- 8-42 10-20-42 11-12-42	0 0 0
Unnamed Spring No. 2 <sup>b</sup>	.....do.....	Center of sec.22, T.19 N., R.1 E., 600 ft north of Dupont dock.	-	9-21-42 10- 8-42 10-20-42 11-12-42 11-12-42 11-12-42 12-22-42 12-23-42 12-23-42 7- 1-43 7-17-43	15.1 14.5 17.8 18.0 15.7 11.1 18.5 16.6 14.9 13.8 15.0
Unnamed Spring No. 3	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.19 N., R.1 E., 200 ft below railroad culvert, at Solo Point, 2 $\frac{1}{2}$ miles southwest of Stellacoom.	-	10- 8-42 10-20-42 11-12-42	1.53 1.58 1.58
Clover Creek basin					
Clover Creek	Stellacoom Lake	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.19 N., R.3 E., at Chicago, Milwaukee, St. Paul and Pacific Railway culvert, $\frac{1}{2}$ mile northwest of Frederickson.	17.5	8-23-46	1.32
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.19 N., R.3 E., at crossing of old Military Road just south of junction with Greiler Road.	18.0	3- 6-39 9- 1-42 10-22-42 8-23-46	9.4 2.01 1.47 .98
Do.....	.....do.....	East line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.19 N., R.3 E., at crossing of Waller Road, 2 $\frac{1}{4}$ miles east of Pacific Avenue.	20.3	3- 6-39 4-23-46	23.9 7.56
Do.....	.....do.....	West line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.19 N., R.3 E., on east line of Brookdale Golf Course, 1 $\frac{3}{8}$ miles east of Pacific Avenue.	-	9- 1-42 10-22-42 8-23-46	5.29 2.96 6.85
Do.....	.....do.....	West line NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.19 N., R.3 E., at west line of Brookdale Golf Course, 1 mile east of Pacific Avenue.	-	9- 1-42 10-22-42	4.62 2.54
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.19 N., R.3 E., $\frac{1}{4}$ mile below Brookdale Golf Course, 1 mile east of Pacific Avenue.	-	8-23-46	7.26
Do.....	.....do.....	West line NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.19 N., R.3 E., at county bridge at 138th Street in Brookdale, $\frac{3}{8}$ mile east of Pacific Avenue.	-	8-23-46 7-10-51 7-23-51 8- 7-51 8-24-51 9- 4-51	1.46 3.31 2.92 2.18 2.12 2.57
Clover Creek tributary (formerly unnamed creek)	Clover Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.19 N., R.3 E., 60 ft below culvert at 138th Street in Brookdale, $\frac{3}{8}$ mile east of Pacific Avenue.	-	9- 4-51	.91
Clover Creek	Stellacoom Lake	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.19 N., R.3 E., at 136th Street, 600 ft above North Fork at Parkland.	42.8	8-23-46 12-16-59 12-16-59 11-26-60	.05 †16 10.4 25.6

† Peak flow.

t Affected by tide.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Clover Creek basin--Continued					
North Fork Clover Creek	Clover Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.19 N., R.3 E., at entrance to Mayfair Estates, 1 $\frac{1}{2}$ miles southeast of Parkland, (crest-stage gage "near Parkland")	5.26	12-16-59 11-24-60	153 174
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.19 N., R.3 E., at East B Street, $\frac{1}{4}$ mile east of Pacific Avenue.	6.05	11-23-59 12-16-59 12-16-59 11-25-60	53.0 †60 60.6 85.4
Clover Creek	Steilacoom Lake	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.19 N., R.3 E., at Pacific Avenue in Parkland.	-	2- 1-40 8-16-40 10-22-42 8-23-46 7- 5-49 8- 2-49 9- 4-51 12-16-59 12-16-59 11-24-60 11-25-60	4.10 1.81 0 .02 .37 0 0 †117 93.3 †183 144
Bypass Channel <sup>u</sup>	Clover Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.19 N., R.3 E., at Park Avenue, $\frac{1}{4}$ mile west of Pacific Avenue in Parkland.	-	12-16-59 2-15-60 11-24-60 11-25-60	†29 8.38 †66 42.7
Clover Creek	Steilacoom Lake	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.19 N., R.3 E., at Park Avenue $\frac{1}{4}$ mile west of Pacific Avenue at Parkland.	-	10-22-42	0
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.19 N., R.3 E., at service road at Pacific Lutheran University $\frac{1}{2}$ mile west of Pacific Avenue, at Parkland.	-	12-16-59 2-15-60 11-24-60 11-25-60	†61 47.3 †84 72.4
Spanaway Creek	Clover Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.19 N., R.3 E., at old Fort Steilacoom Road, 600 ft below Spanaway Lake.	17.2	2-29-39 2- 1-40 8-16-40 7- 8-49 8- 2-49 8-18-49 9- 8-49 9-30-49	8.27 10.5 6.25 8.83 6.95 5.75 4.48 2.59
Clover Creek	Steilacoom Lake	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.19 N., R.3 E., just above mouth of Spanaway Creek.	50.0	2- 1-40	0
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.19 N., R.3 E., just below Spanaway Creek and just beyond east boundary of McChord Air Force Base.	-	2- 1-40 8-16-40 9- 6-40 10- 9-40 11-18-40 1-25-41 1-28-41 3-13-41 5-23-41 7-15-41 7-15-41 7-29-41 8-12-41 8-26-41 9- 9-41 10- 2-41 4-11-42 5-19-42 9- 1-42 10-19-42 8-29-44	9.62 5.21 3.94 2.12 4.74 30.2 32.1 21.1 12.1 3.52 3.51 1.80 1.14 .76 1.18 1.09 17.3 9.94 2.78 1.38 .26
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.19 N., R.3 E., at road crossing at east edge of McChord Airforce Base.	-	2-14-60 2-15-60 11-24-60	†148 116 †170
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.19 N., R.3 E., just above Morey Creek on McChord Air Force Base.	-	12-29-39 2- 1-40 8-16-40 9- 6-40 10- 9-40 11-18-40 1-25-41 1-28-41 3-13-41 5-23-41 7-15-41 7-15-41 7-29-41 8-12-41	8.94 15.4 6.31 4.69 3.32 6.29 37.1 37.0 27.1 12.3 4.40 4.31 2.54 2.04

† Peak flow.

u Diverts from left bank of Clover Creek during flood stage.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Clover Creek basin--Continued					
Clover Creek (Cont.)	Steilacoom Lake	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.19 N., R.3 E., just above Morey Creek on McChord Air Force Base.		8-26-41 9- 9-41 10- 2-41 4-11-42 5-19-42 9- 1-42 10-19-42 8-29-44 7-10-51 7-23-51 8- 7-51 8-24-51 9- 4-51	1.95 2.46 2.02 20.2 12.0 3.51 1.93 .44 15.5 11.5 8.86 6.16 5.28
Morey Creek	Clover Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.19 N., R.3 E., at east edge of McChord Air Force Base.	-	2- 1-40 8-16-40 9- 6-40 8-29-44	5.00 1.65 1.74 .97
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.19 N., R.3 E., at check dam at mouth, at McChord Air Force Base.	-	12-29-39 2- 1-40 8-16-40 9- 6-40 10- 9-40 11-18-40 1-25-41 1-28-41 3-13-41 5-23-41 7-15-41 7-29-41 8-12-41 8-26-41 9- 9-41 10- 2-41 4-11-42 5-19-42 9- 1-42 10-19-42 8-29-44 7-10-51 7-23-51 8- 7-51 8-24-51 9- 4-51	3.76 .45 1.68 1.40 1.68 1.96 5.20 6.02 4.37 2.88 .56 .42 .42 .50 .79 .78 5.53 3.13 .77 .45 .63 2.07 2.20 1.68 1.51 1.40
Clover Creek	Steilacoom Lake	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.19 N., R.3 E., 600 ft east of main hanger at south end of runway on McChord Air Force Base.	-	12-12-50	125
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.19 N., R.2 E., at second road bridge east of west boundary of McChord Air Force Base.	73.6	12-29-39 2- 1-40 8-16-40 9- 6-40 10- 9-40 11-18-40 1-25-41 1-28-41 3-13-41 5-23-41 7-15-41 7-15-41 7-29-41 8-12-41 8-26-41 9- 9-41 10- 2-41 4-11-42 5-19-42 9- 1-42 10-19-42 8-29-44 7-10-51 7-23-51 8- 7-51 8-24-51 9- 4-51	13.9 17.0 8.60 7.27 4.80 8.18 49.6 45.3 32.9 15.3 3.53 3.39 1.68 .80 .33 .78 .05 27.2 14.9 2.18 .32 0 16.3 12.2 9.19 4.66 4.51
Do.....	.....do.....	West line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.19 N., R.2 E., at gaging station "near Tillicum," (operated June 1949 to Oct. 1953. Operated as crest-stage gage since 1959).	73.8	1-16-59 12-16-59 2-15-60 2-16-60 11-26-60	135 97.4 147 †163 162

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Clover Creek basin--Continued					
Clover Creek	Steilacoom Lake	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.19 N., R.2 E., at crossing of old U. S. Highway 99, 1 $\frac{1}{4}$ miles southeast of Lakewood Center.	-	3- 6-39 12-29-39 2- 1-40 8-16-40 9- 6-40 10- 9-40 11-18-40 1-24-41 1-28-41 3-13-41 5-23-41 7-15-41 7-15-41 7-29-41 8-12-41 8-26-41 9- 9-41 10- 2-41 4-11-42 5-19-42 9- 1-42 10-19-42 8-29-44 7-10-51 7-23-51 8- 7-51 8-24-51 9- 4-51 6-23-60	65.8 8.41 14.1 5.34 3.94 2.34 6.30 39.2 41.0 30.4 13.5 1.86 1.63 .07 0 0 0 0 22.1 12.0 .39 0 0 15.2 11.6 7.36 1.91 2.13 36.0
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.19 N., R.2 E., at south end of Dwight Orr property about $\frac{1}{2}$ mile below old U. S. Highway 99 crossing.	-	12-29-39 2- 1-40 8-16-40 9- 6-40 10- 9-40 11-18-40 1-24-41 1-28-41 3-13-41 5-23-41 7-15-41 7-29-41 8-12-41 8-26-41 9- 9-41 10- 2-41 4-11-42 5-19-42 9- 1-42 10-19-42 8-29-44	0 12.9 4.40 2.43 1.69 5.85 39.1 38.5 27.5 12.0 .67 0 0 0 0 0 22.1 9.85 0 0 0
Do.....	.....do.....	South line SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.19 N., R.2 E., at bridge on Gravelly Lake Drive $\frac{1}{4}$ mile above mouth.	75.9	3- 6-39 4- 6-39 5- 5-39 8-16-40 9- 6-40 10- 9-40 11-18-40 1-24-41 1-28-41 3-13-41 5-23-41 7-15-41 7-29-41 8-12-41 8-26-41 9- 9-41 10- 2-41 4-11-42 5-19-42 9- 1-42 10-19-42 8-29-44 7-10-51 7-23-51 8- 7-51 8-24-51 9- 4-51 6-23-60	60.6 36.9 16.8 3.52 2.23 .93 5.60 35.1 34.9 26.3 10.8 0 0 0 0 0 0 20.5 9.97 0 0 0 13.4 10.4 6.19 1.52 1.11 29.7
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.19 N., R.2 E., at private bridge just above mouth.	-	4- 6-39 2-12-40 3-18-40 4- 5-40	35.9 24.2 53.5 44.6

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Clover Creek basin--Continued					
Clover Creek (Cont.)	Steilacoom Lake	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.19 N., R.2 E., at private bridge just above mouth.		5- 2-40 6- 4-40 7- 5-40 8- 9-40 9-16-40	34.6 14.5 .33 0 0
Ponce de Leon Springs Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.19 N., R.2 E., at mouth.	10.1	11- 8-38 12- 3-38 1- 6-39 3- 7-39 4- 6-39 5- 5-39 6-12-39 7-11-39 8-23-39 9-21-39 10-13-39 12-20-39 1-13-40 3-19-40 4- 5-40 5- 2-40 6- 4-40 7- 5-40 8- 9-40 9-16-40	6.5 8.7 13.6 27.1 22.0 16.0 12.7 11.8 8.2 6.6 6.38 9.21 15.3 24.1 22.6 19.1 15.1 10.7 8.54 7.81
Chambers Creek basin					
Chambers Creek	Chambers Bay	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.20 N., R.2 E., at gaging station "at Steilacoom Lake, near Steilacoom," (operated Oct. 1938 to Sept. 1940).	b89.4	9-29-38 10- 9-43	19.7 3.58
Unnamed Spring	Chambers Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.20 N., R.2 E., 50 ft west of gaging station at Steilacoom Lake.	-	10- 1-40	1.33
Chambers Creek	Chambers Bay	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.20 N., R.2 E., above fish hatchery diversion, 1 $\frac{1}{4}$ miles northwest of Lakewood Center.	-	9-13-27 12- 7-27 3-27-56 4-23-56 5-31-56 7- 6-56 8-15-56 10- 4-56	50.2 99.2 204 130 69.9 50.5 33.0 23.9
Fish Hatchery Spring Creek	Chambers Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.20 N., R.2 E., at mouth.	-	12- 3-38 1- 6-39 5-26-39 6-13-39 7-11-39 8-25-39 9-22-39 10-14-39 12-20-39 3-19-40 4- 5-40 5- 2-40 6- 3-40 7- 3-40 8- 9-40 9-14-40	6.3 6.6 5.9 5.4 5.3 6.3 6.1 6.02 6.42 8.53 8.72 7.24 8.05 7.28 5.63 6.61
Flett Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.20 N., R.2 E., at gaging station "at 74th Street, at Tacoma," (operated May 1959 to 1960).	4.23		
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.20 N., R.2 E., 0.14 mile below 74th Street gage.	-	5-21-59 6- 2-59 7-27-60	.54 .15 0
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.20 N., R.2 E., 0.3 mile below 74th Street gage.	-	6- 2-59	.18
Do.....	.....do.....	Center of south line SE $\frac{1}{4}$ sec.25, T.20 N., R.2 E., at rendering plant, 0.4 mile below 74th Street gage.	-	6-25-59 7- 9-59 7-28-59 8-13-59 9-17-59 9-29-59 10-19-59 11- 5-59 12- 7-59 2- 3-60 2-23-60 3-23-60	.85 .63 .35 .16 .65 .04 .06 .05 .53 5.34 2.87 2.08

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chambers Creek basin					
Flett Creek (Cont.)	Chambers Creek	Center of south line SE $\frac{1}{4}$ sec.25, T.20 N., R. 2 E., at rendering plant, 0.4 mile below 74th Street gage.	-	4-14-60 5- 5-60 5-19-60 6- 9-60 6-21-60 7-11-60 7-27-60 8-19-60 9- 7-60 10-10-60 11- 4-60 12- 8-60	1.70 1.42 1.02 .68 .65 .26 0 0 0 0 0 0 0
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.20 N., R.2 E., at Mountain View Cemetery, 0.8 mile below 74th Street gage.	6.39	5-21-59 6- 2-59 6-25-59 7- 9-59 7-28-59 8-13-59 9-17-59 9-29-59 10-19-59 11- 5-59 2- 3-60 2-23-60 3-23-60 4-14-60 5- 5-60 5-19-60 6- 9-60 6-21-60 7-11-60 7-27-60 8-19-60 9-17-60 10-10-60 11- 4-60 12- 8-60	3.39 w2.16 w1.36 w1.10 w.53 w.36 1.34 .78 .63 .98 7.44 4.65 3.83 3.07 3.14 2.63 2.07 2.05 w.38 w.08 w.07 .59 .32 .04 1.12
Do.....	.....do.....	East line SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.20 N., R.2 E., 300 ft above Flett Springs ditch.	-	5-21-59 5-29-59 6- 2-59 6- 5-59 6-25-59 7- 9-59 7-28-59 8-13-59 9-17-59 9-29-59 10-19-59 11- 5-59 12- 7-59 1-15-60 2- 3-60 2-23-60 3-23-60 4-14-60 5- 5-60 5-19-60 6- 9-60 6-21-60 7-11-60 7-27-60 8-19-60 9- 7-60 10-10-60 11- 4-60 12- 8-60	5.73 3.86 w4.31 w4.21 wx2.75 w2.59 w1.74 w1.36 2.71 2.21 1.81 1.97 4.23 5.11 11.3 8.72 6.30 5.71 5.73 4.42 3.44 3.08 w1.81 w1.05 w1.00 w1.94 1.61 .37 4.25
Flett Springs ditch	Flett Creek	South line of NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.20 N., R.2 E., near mouth.	-	6- 5-59 3-23-60 4-14-60 5- 5-60 5-19-60 6- 9-60 6-21-60 7-11-60 7-27-60 8-19-60 9- 7-60 10-10-60 11- 4-60 12- 8-60	2.10 5.23 3.49 5.09 3.59 2.35 2.72 1.23 .95 .50
Flett Creek	Chambers Creek	South line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.20 N., R.2 E., at gaging station "below Flett Springs, at Tacoma," (operated July 1959 to 1960).	6.72		

w Cemetery pump operating at 250 gpm above measuring point.  
 x Portable dairy pump operating at 400 gpm 500 ft above Flett Springs ditch.

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chambers Creek basin--Continued					
Flett Creek	Chambers Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.20 N., R.2 E., 700 ft below Flett Springs ditch.	-	5-29-59 6- 2-59	8.86 wy5.34
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.20 N., R.2 E., 1,600 ft below Flett Springs ditch.	-	5-21-59 10-19-59	10.5 3.06
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.20 N., R.2 E., 600 ft above Bridgeport Way.	-	5-29-59 6- 2-59 10-19-59	6.21 wy5.07 3.03
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.20 N., R.2 E., at Bridgeport Way.	-	5-21-59 5-29-59 6- 2-59 6-25-59 7- 9-59 7-28-59 8-13-59 9-17-59 9-29-59 10-19-59 11- 5-59 1-15-60 2- 3-60 2-23-60 3-23-60 4-14-60 5- 5-60 6- 9-60 6-21-60 7-11-60 7-27-60 8-19-60 9- 7-60 10-10-60 11- 4-60 12- 8-60	8.35 7.00 wy5.84 wx5.40 w3.93 wy2.34 wy1.64 3.14 2.42 2.65 2.52 10.6 22.3 20.1 13.0 13.1 11.6 6.06 5.25 w3.10 wy2.04 w1.37 2.54 2.36 1.24 13.1
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.20 N., R.2 E., at Manitou-Custer Road.	-	5-29-59 6- 2-59 7-26-59 8-13-59 9-17-59 9-29-59 10-19-59 11- 5-59 1-15-60 2- 3-60 2-23-60 3-23-60 4-14-60 5- 5-60 6- 9-60 6-21-60 7-11-60 7-27-60 8-19-60 9- 7-60 10-10-60 11- 4-60 12- 8-60	7.69 wy5.43 wy2.02 wy1.54 2.91 2.44 2.58 2.37 10.7 20.0 18.0 11.6 11.7 10.4 5.70 5.22 w3.51 wy2.16 w1.91 2.58 2.32 11.7 12.9
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.20 N., R.2 E., at gaging station "at Tacoma," (operated June 1959 to 1960).	8.01	10-29-38 12- 3-38 1- 6-39 4- 6-39 5- 5-39 6-12-39 7-10-39 8-25-39 9-21-39 10-13-39 12-20-39 3-19-40 4- 4-40 5- 2-40 6- 4-40 7- 3-40 8- 9-40 9-16-40 10- 9-43 8-28-44 7- 7-49 7-21-49	12.0 16.2 13.6 19.6 14.4 10.0 10.4 6.5 6.1 6.40 12.9 23.6 24.0 19.4 10.5 6.82 4.00 6.55 7.13 4.32 7.48 5.53

w Cemetery pump operating at 250 gpm above measuring point.  
x Portable dairy pump operating at 400 gpm 500 ft above Flett Springs ditch.  
y Dairy pump operating at 400 gpm above measuring point.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chambers Creek basin--Continued					
Flett Creek (Cont.)	Chambers Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.20 N., R.2 E., at gaging station "at Tacoma."		8- 4-49 8-19-49 9- 8-49 5-11-59 5-29-59	4.46 5.72 5.42 9.69 7.52
Leach Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.20 N., R.2 E., in storm sewer at north edge of Fircrest.	-	11-17-59 11-20-59 11-20-59 11-20-59 11-20-59	5.13 7.05 10.4 13.8 16.8 30.4
Do.....	.....do.....	In lot 24, block 14, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.20 N., R.2 E., at gaging station "near Fircrest," (operated Mar. 1957 to 1960).	4.05		
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.20 N., R.2 E., at West 53rd Street, $\frac{1}{4}$ mile north of Manitou.	4.88	8-16-56	4.28
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.20 N., R.2 E., at gaging station "near Stellacoom," (operated Feb. 1957 to 1960).	5.88	10-29-38 12- 3-38 1- 6-39 4- 6-39 5- 5-39 6-12-39 7-10-39 8-25-39 9-21-39 10-13-39 12-20-39 3-19-40 4- 4-40 5- 2-40 6- 4-40 7- 3-40 8- 9-40 9-16-40 10- 9-43 8-26-44 7- 7-49 7-22-49 8- 4-49 8-19-49 9- 8-49 8-16-56	17.4 18.0 14.1 13.0 11.1 11.3 11.4 11.1 10.9 10.7 17.8 13.2 12.4 11.5 11.2 11.4 8.50 11.0 8.55 10.5 10.6 10.4 10.9 12.0 12.8 9.38
Chambers Creek	Chambers Bay	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.20 N., R.2 E., at gaging station "below Leach Creek, near Stellacoom," (operated Dec. 1937 to Sept. 1940, July 1943 to 1960).	106	11-18-37 12- 2-37 10- 1-40	82.8 154 54.4
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.20 N., R.2 E., 700 ft above fishtrap, $\frac{1}{2}$ mile above highway bridge crossing Chambers Bay.	-	12- 7-27 7-18-30	103 51.2
Minor basins between Chambers Creek and Puyallup River					
Mason Gulch Stream	Commencement Bay	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.21 N., R.2 E., 200 ft above Water Street, 500 ft above tidewater in Tacoma.	.09	3- 2-54 4- 7-54 5-10-54 6-17-54 7-19-54 8-27-54 9-20-54 10-25-54 11-23-54 12-30-54 1-26-55 3-11-55 12-12-55	4.51 3.54 3.88 3.57 3.48 3.91 3.84 3.98 3.98 4.56 3.80 4.03 3.91
34th Street Gulch Stream	.....do.....	East line SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.21 N., R.3 E., 600 ft above tidewater near North 34th Street and Ruston Way in Tacoma.	2.07	3- 2-54 4- 7-54 5-10-54 6-17-54 7-19-54 8-27-54 9-20-54 10-25-54 11-23-54 12-30-54 1-26-55 3-11-55 4-12-55	.96 1.15 .85 .96 .94 .94 .64 .89 1.05 1.30 .94 1.00 1.07

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Puyallup River basin					
South Puyallup River	Puyallup River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.16 N., R.7 E., at mouth.	19.0	9- 7-11	7.44
Puyallup River	Commencement Bay	On south line SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.16 N., R.7 E., below South Puyallup River.	30.0	9- 7-11	194
Mowich River	Puyallup River	Center of west line sec.34, T.17 N., R.7 E., at Mount Rainier National Park boundary.	-	9- 6-11	250
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.16 N., R.6 E., above Rushing Water Creek, at elevation 1,800 ft.	-	9- 6-11	285
Rushing Water Creek	Mowich River	SW $\frac{1}{4}$ sec.6, T.16 N., R.7 E., 2 miles above mouth at elevation 2,450 ft, in Mount Rainier National Park.	-	9- 7-11	2.68
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.16 N., R.6 E., at mouth.	7.16	9- 7-11	9.04
Mowich River	Puyallup River	Center of west half of sec. 3, T.16 N., R. 6 E., 300 ft above mouth.	b43.6	4-27-11	109
Puyallup River	Commencement Bay	West line SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.16 N., R.6 E., at gaging station "near Electron," (operated Oct. 1908 to Sept. 1926, Oct. 1944 to Sept. 1949, Oct. 1957 to 1960).	b93.5	9-15-01 1-18-03 2-23-03 10- 8-26 11- 8-26 11-16-26 12- 5-26 12-10-26 1-14-27 1-28-27 2- 6-27 5-30-27 6- 7-27 6-26-27 7- 1-27 7-14-27 8- 4-27 8-24-27 9-16-27 9-23-27 1-28-28 2- 2-28 2-14-28 3- 1-28 3-25-28 4- 7-28 4-14-28 5-31-28 7-29-28 8- 1-28 8- 5-28 9-22-28 9-27-28 10- 3-28 10-22-28 11- 3-28 12-23-28 8-19-44 9-11-44 10-27-49 10-28-49 9-23-57	304 250 9,560 485 453 353 498 354 692 275 396 466 771 738 640 578 607 494 424 357 278 271 229 170 515 301 522 472 613 439 481 305 248 205 322 249 198 296 406 224 1,720 345
LeDout Creek	Puyallup River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.17 N., R.6 E., at private road, 8 miles southeast of Electron.	4.16	8-19-49 9- 9-49	1.03 .59
Puyallup River tributary (formerly unnamed stream)	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.17 N., R.6 E., at private road, 5 miles southeast of Electron.	.41		
King Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.18 N., R.5 E., at road crossing 2 miles northeast of Electron.	1.51	8-19-49 9- 9-49	1.04 .87
Puyallup River	Commencement Bay	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.17 N., R.5 E., at gaging station "at Electron," (operated July to Oct. 1946).	131	3- 6-42 3-11-42 3-26-42 4-13-42 4-24-42 5-11-42 5-25-42 6-17-42 7- 6-42 7-22-42	290 552 346 467 491 528 1,010 1,480 782 885

b Revised.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Puyallup River basin--Continued					
Puyallup River	Commencement Bay	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.17 N., R.5 E., at gaging station "at Electron."		8-24-42 10-29-42 12-21-42 2-10-43 3-19-43 5- 6-43 6-17-43 7-13-43 8-11-43 9- 8-43 9-28-43 11- 3-43 11-29-43 1-10-44 2-17-44 1-30-45 10-24-46	563 346 785 502 207 561 2,250 558 505 494 408 566 317 303 387 358 1,870
Fox Creek	Puyallup River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.18 N., R.5 E., at private road crossing 1 mile north of Electron.	3.79	8-19-49 9- 9-49	1.53 1.56
Ohop Creek	Lake Kapowsin	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.17 N., R.5 E., 1 $\frac{1}{2}$ miles above Lake Kapowsin, 3 miles south of Kapowsin.	13.8	6-27-27 7-27-27 9- 3-27 10- 6-27 11-22-27 6-19-28 6-17-30	11.3 5.20 12.8 84.2 97.4 7.36 8.48
Do.....	.....do.....	East line of NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.17 N., R.4 E., above Lake Kapowsin, 2 miles south of Kapowsin.	16.6	7- 8-49 8- 2-49 8-18-49 9- 6-49 9-30-49	3.96 3.04 3.02 2.70 3.10
Hilgent Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.17 N., R.5 E., at railroad depot in Kapowsin.	-	9-11-28	0
Kapowsin Creek	Puyallup River	North line NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.17 N., R.5 E., at gaging station "near Kapowsin," (operated June 1927 to Oct. 1932, Oct. 1941 to Sept. 1957). Crest-stage gage since 1958.	25.9	9- 3-27 9-30-47 10- 9-57 2-24-58 11-12-58 11-22-59	8.96 8.05 7.50 †218 †440 †377
Fisk Creek (formerly Wade Creek)	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.18 N., R.5 E., at Brooks Road, $\frac{1}{2}$ mile above mouth, 4 miles south of Orting.	2.95	8-19-49 9- 9-49	.71 .52
Puyallup River	Commencement Bay	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.18 N., R.5 E., at gaging station "near Orting," (operated Sept. 1931 to 1960).	172		
Puyallup River tributary No. 2	Puyallup River	South line NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.19 N., R.5 E., at road crossing 1 mile southwest of Orting.	1.23	9- 6-49	.16
Puyallup River tributary No. 3	.....do.....	West line SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.19 N., R.5 E., at Goltz Road, 1 mile west of Orting.	-	8-18-49 9- 6-49	.26 .23
Puyallup River	Commencement Bay	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.19 N., R.4 E., at State Highway 5E, 500 ft above Carbon River.	186		
Chenuis Creek	Carbon River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.17 N., R.8 E., near mouth in Mount Rainier National Park.	9.84	9-27-06	15
Cayada Creek (formerly Canada Creek)	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.18 N., R.7 E., near mouth at the north boundary of Mount Rainier National Park.	5.33	9-26-06	145
Carbon River	Puyallup River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.18 N., R.7 E., near mouth of Cayada Creek at the north boundary of Mount Rainier National Park.	45.0	9-25-06	5.5
Evans Creek	Carbon River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.18 N., R.6 E., 300 ft above mouth, $\frac{1}{2}$ mile southeast of Fairfax.	-	1-31-11 2-25-11	19.4 6.7
Carbon River	Puyallup River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.18 N., R.6 E., at Northern Pacific Railway bridge at Fairfax, (operated as gaging station Nov. 1910 to July 1912).	75.8	9-27-06	455
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.18 N., R.6 E., at gaging station "near Fairfax," (operated Apr. 1929 to 1960).	78.5		

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Puyallup River basin--Continued					
South Prairie Creek	Carbon River	SE $\frac{1}{4}$ sec.23, T.19 N., R.6 E., 2 $\frac{1}{2}$ miles east of Wilkeson.	-	9-15-25	20.2
Unnamed ditch	Wilkeson Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.19 N., R.6 E., 300 ft above culvert at State Highway 5, 1 $\frac{1}{2}$ miles southwest of Buckley.	6.69	8-22-49 9- 7-49	3.04 2.59
Wilkeson Creek (formerly Gale Creek)	South Prairie Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.19 N., R.5 E., at gaging station "at Wilkeson," (operated July to Oct. 1949).	24.4	8-14-51	4.64
South Prairie Creek	Carbon River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.19 N., R.6 E., at gaging station "at South Prairie," (operated June 1949 to 1960).	79.5	10-10-41 5-23-42 8-26-42	348 282 70.1
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.19 N., R.5 E., at State Highway 5E, 1 $\frac{1}{2}$ miles southwest of South Prairie.	87.2	8-20-47	46.2
Carbon River tributary (formerly unnamed stream)	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.19 N., R.5 E., at Patterson Road at Crocker.	-	8-18-49 9- 6-49	.67 .41
Voight Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.18 N., R.5 E., at gaging station "near Crocker," (operated July to Oct. 1949).	23.2	11- 1-49 8-14-51	39.0 7.14
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.18 N., R.5 E., $\frac{1}{4}$ mile above first (lower) falls, 1.9 miles southeast of Crocker.	25.8	9- 2-27	30.0
Do.....	.....do.....	West line NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.18 N., R.5 E., 250 ft above first falls, 1 $\frac{1}{2}$ miles southeast of Crocker.	-	9-28-27 10-15-30	10.1 14.2
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.18 N., R.5 E., 450 ft below first falls, 1.7 miles southeast of Crocker.	-	11- 6-27 11-23-27	431 308
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.19 N., R.5 E., 200 ft above highway bridge at fish hatchery.	-	2-18-29 3-24-29 6-14-29 6-17-29	21.4 100 87.7 22.1
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.19 N., R.5 E., $\frac{1}{4}$ mile below hatchery, 1 mile southeast of Orting.	32.4	8-18-49 9- 6-49	14.7 12.3
Carbon River	Puyallup River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.19 N., R.4 E., at mouth.	230		
Puyallup River	Commencement Bay	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.19 N., R.4 E., below Carbon River.	416		
Puyallup River tributary No. 4	Puyallup River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.19 N., R.5 E., at road crossing $\frac{1}{2}$ mile east of McMillin.	-	8-18-49 9- 6-49	.31 .33
Puyallup River tributary No. 5	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.19 N., R.5 E., at road crossing 2,000 ft below fish hatchery.	1.71	8-18-49 9- 6-49	3.36 3.10
Silver Springs	Bonney Lake	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.20 N., R.5 E., 1,000 ft northeast of Bonney Lake and 0.9 mile north of the town of Bonney Lake.	-	8-14-56	2.65
Fennel Creek	Puyallup River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.20 N., R.5 E., at U. S. Highway 410, $\frac{1}{2}$ mile southeast of town of Bonney Lake.	6.58	7- 6-49 8- 4-49 8-19-49 9- 7-49 9-30-49	.86 .70 .54 .43 .68
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.19 N., R.5 E., at gaging station "near McMillin," (operated July to Oct. 1949).	11.8	8-14-51	11.2
Puyallup River tributary No. 6	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.20 N., R.5 E., above road crossing at Riverside Infirmary, 1.3 miles northeast of Alderton.	2.38	7- 6-49 8- 4-49 8-19-49 9- 6-49 9-30-49	4.88 4.05 4.06 3.69 3.80
Puyallup River	Commencement Bay	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.20 N., R.4 E., at gaging station "at Alderton," (operated Oct. 1914 to Feb. 1927, Oct. 1943 to Apr. 1957).	438	2-19-14 2-23-14 3-31-14 6-13-14	1,120 1,370 1,170 1,320

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Puyallup River basin--Continued					
Puyallup River	Commencement Bay	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.20 N., R.4 E., at U. S. Highway 410 at Sumner.	4.40		
White River	Puyallup River	SW $\frac{1}{4}$ sec.3, T.16 N., R.9 E., 1 mile above White River camp ground at temporary gaging station, "White River below Emmons Glacier."	7.24	6-30-58 7- 1-58 7-21-58 8- 3-58 8- 7-58 8-18-58 8-19-58 8-19-58 8-19-58 8-20-58 8-21-58 8-21-58 8-26-58 8-28-58 8-28-58 8-28-58 8-28-58 9- 3-58 9- 3-58 9-30-58 9-30-58 11-25-58 5-27-59 6-18-59 6-19-59 6-30-59 7- 2-59 7- 9-59 7-10-59 7-10-59 7-11-59 7-15-59 7-17-59 7-19-59 7-24-59 7-30-59 7-31-59 7-31-59 7-31-59 8- 1-59 8- 3-59 8- 5-59 8- 9-59 8-13-59 8-17-59 8-24-59 8-28-59 8-28-59 9-22-59 11-10-59 11-27-59	134 124 293 231 236 208 163 264 215 348 283 282 287 130 149 194 185 93.6 96.1 108 106 30.7 54.2 135 200 114 122 120 144 173 229 175 259 328 432 238 224 281 270 273 178 179 212 182 170 138 154 163 86.0 26.2 42.5
White River (formerly East Fork)	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.18 N., R.10 E., $\frac{1}{2}$ mile above Silver Creek at north boundary of Mount Rainier National Park.	61.2	9-29-11	101
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.19 N., R.9 E., above mouth of West Fork.	145	9-28-11	207
West Fork White River	White River	E $\frac{1}{2}$ sec.6, T.17 N., R.9 E., $\frac{1}{2}$ mile above Mount Rainier National Park boundary.	-	9-28-11	63.5
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.19 N., R.9 E., $\frac{1}{2}$ mile above mouth.	66	9-28-11	106
Dry Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.18 N., R.10 E., at U. S. Highway 410, 12 miles southeast of Greenwater, (crest-stage gage "near Greenwater").	1.01	12-10-56 4-20-58 11-12-58 10-22-59	36.7 13.8 21 48
White River	Puyallup River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.19 N., R.9 E., at gaging station "at Greenwater." Operated Dec. 1911 to May 1912 (fragmentary), Mar. 1929 to 1960.	216	9- 6-11 9-27-11 5- 5-12	527 321 664
Greenwater River	White River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.19 N., R.9 E., at gaging station "at Greenwater." Operated Sept. 1911 to Aug. 1912 (fragmentary), May 1929 to 1960.	73.5	9- 6-11 9-26-11 5- 5-12	59.4 51.0 245

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Puyallup River basin--Continued					
Cyclone Creek	White River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.20 N., R.8 E., at U. S. Highway 410, 6 miles northwest of Greenwater, 10 miles east of Enumclaw, (crest-stage gage "near Enumclaw.")	2.29	3- 4-50 2-10-51 2- 4-52 1-23-53 12- 9-53 2- 8-55 12-11-55 12-18-56 1-17-58 12-12-58 10-22-59	109 112 87.5 107 286 108 246 127 88 133 218
Scatter Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.19 N., R.7 E., at U. S. Highway 410, 5 $\frac{1}{2}$ miles southeast of Enumclaw	9.75	7- 9-45 7-16-45 8- 1-45 8-20-45 10-11-45	5.30 5.66 2.93 2.65 7.52
White River	Puyallup River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.19 N., R.7 E., at gaging station "near Buckley," (operated Oct. 1928 to Nov. 1933, Oct. 1938 to Sept. 1960).	401	12- 9or 10-33	†28,000
Red Creek	White River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.19 N., R.7 E., at U. S. Highway 410, 4 $\frac{1}{2}$ miles southeast of Enumclaw	2.26		
White River Flume	White River (diverts from left side)	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.19 N., R.6 E., at gaging station "near Buckley," (operated Feb. 1913 to Sept. 1938).	-	9-25-11 5- 6-12	507 1,370
White River Canal	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.20 N., R.6 E., $\frac{1}{4}$ mile below Dingle Basin, 1 $\frac{1}{2}$ miles northwest of Buckley (Gaging station "at Buckley," operated 1958 to 1960, unpublished.)	-	10-12-07 2-20-58 2-25-58 3-11-58 3-18-58 4-22-58 4-30-58 5-20-58 6-17-58 6-26-58 7-15-58 10-13-59 10-20-59 11- 9-59 11-10-59 12- 4-59 1- 7-60 1-25-60 4- 4-60 5-12-60 6-19-60 8-16-60 9- 8-60 10-17-60 12- 9-60	422 1,930 2,020 1,430 697 2,080 1,430 1,720 1,520 1,750 997 2,000 1,610 1,130 1,100 1,620 910 730 1,960 1,380 1,820 721 620 391 875
White River	Puyallup River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.20 N., R.6 E., 1/3 mile below diversion dam, 1 mile northeast of Buckley. (New gaging station "at Buckley," operated July 1958 to 1960, unpublished).	411	9-10-23 9-25-23 7- 3-58 7- 9-58 8-26-58 8-26-58 9- 3-58 10-21-58 11- 4-58 11-12-58 11-26-58 12-12-58 1-11-59 1-21-59 1-24-59 2- 8-59 3- 9-59 3-10-59 4- 9-59 4- 9-59 4-27-59 5-22-59 6- 5-59 7-12-59 7-16-59 7-28-59 9- 2-59 10-16-59 11-20-59 12-29-59 1-22-60	25.2 19.3 94.5 91.5 38.0 64.2 40.2 71.0 52.1 2,350 2,340 7,030 994 491 10,400 35.1 85.7 31.1 37.2 96.2 28.9 195 4,320 42.7 33.1 28.1 25.1 299 1,640 41.0 34.5

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Puyallup River basin--Continued					
White River (Cont.)	Puyallup River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.20 N., R.6 E., 1/3 mile below diversion dam, 1 mile northeast of Buckley.		4- 4-60 5-13-60 6-23-60 8-11-60 9- 8-60 10-12-60 10-17-60 12- 9-60	24.2 2,010 58.1 26.1 15.5 56.5 48.2 39.3
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.20 N., R.6 E., at old gaging station (above Boise Creek) "at Buckley." (Operated Apr. 1899 to Dec. 1901).	412		
Boise Creek	White River Lumber Co. millpond	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.20 N., R.7 E., above second falls above second reservoir, $\frac{1}{2}$ mile east of White River Lumber Co. mills, 3 $\frac{1}{4}$ miles east of Enumclaw.	5.37	9-10-45	4.21
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.20 N., R.7 E., 200 ft above White River Lumber Co. millpond.	7.03	7- 6-45 7-16-45 8- 1-45 8-20-45	1.91 4.26 1.82 .73
Do.....	White River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.20 N., R.7 E., 250 ft above U. S. Highway 410 and 700 ft below millpond.	8.27	9-10-45 10-11-45	7.85 7.82
Boise Creek tributary (formerly unnamed creek)	Boise Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.20 N., R.7 E., at private bridge at road corner, 1 $\frac{1}{2}$ miles southeast of Enumclaw.	-	9-10-45	.11
Boise Creek	White River	Southwest corner of NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.20 N., R.7 E., at gaging station "near Enumclaw," (operated July 1945 to Sept. 1946).	b12.3	7- 2-45 7-16-45	7.96 4.29
White River	Puyallup River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.20 N., R.6 E. at old gaging station (below Boise Creek) "at Buckley." (Operated July 1910 to Nov. 1911, Feb. 1913 to Sept. 1938).	427		
White River tributary (formerly Coal Creek)	White (Stuck) River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.21 N., R.5 E., 3 $\frac{1}{4}$ miles northeast of Pacific.	-	9-17-24	z19.0
Unnamed ditch	.....do.....	South line SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.1, T.20 N., R.5 E., at Stewart Road, 0.4 mile east of White River bridge.	-	9- 7-49	.62
White (Stuck) River	Puyallup River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.20 N., R.1 E., at gaging station "near Sumner," (operated June 1945 to 1960).	466		
White River tributary No. 2	White (Stuck) River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.20 N., R.5 E., of State Highway 5, 2 $\frac{1}{2}$ miles north of Sumner.	.30	9- 7-45	.50
White River tributary No. 3	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.20 N., R.4 E., of State Highway 5, 2 miles north of Sumner.	.74	8-19-49 9- 7-49	.55 .49
Sumner Springs wasteway (formerly unnamed creek)	Strawberry Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.20 N., R.5 E., at culvert just above mouth, 1 mile northeast of Sumner.	-	9- 7-49 7-28-55 8-31-55 10-13-55 11-10-55 12-23-55 1-30-56 3- 2-56 4- 9-56 5-14-56 6-25-56 7-31-56	.29 1.64 .64 1.40 2.76 1.64 1.94 2.55 2.36 1.33 1.67 1.54
Strawberry Creek	White (Stuck) River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.20 N., R.5 E., at State Highway 5, 1 mile northeast of Sumner.	1.09	7- 6-49 7-22-49 8- 5-49 8-19-49 9- 7-49 10- 3-49	14.3 10.1 9.21 8.00 9.15 11.8

b Revised.

z Discharge from a series of springs.

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Puyallup River basin--Continued					
Milwaukee Creek tributary (formerly Stuck River tributary near Milton)	Milwaukee Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.20 N., R.4 E., at county road 1 mile northeast of Edgewood, (crest-stage gage operated 1956 to 1958).	.53	12-11-55 2-24-57 1-16-58	12.9 5.7 6.8
Milwaukee Creek tributary No. 2	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.20 N., R.4 E., at Canyon Road $\frac{1}{2}$ miles northeast of Edgewood.	-	8-19-49 9- 7-49	.29 .21
Milwaukee Creek	White (Stuck) River	South line SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.20 N., R.4 E., at Stewart Road, 3 miles north of Sumner.	-	8-19-49 9- 7-49	2.20 2.15
Puyallup River	Commencement Bay	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.20 N., R.4 E., at gaging station "at Puyallup," (operated May 1914 to 1960).	b939	2-19-14	2,340
Clarks Creek	Puyallup River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.20 N., R.4 E., at gaging station "at Puyallup," (operated Feb. 1946 to May 1948).	b1.88		
West Branch Clarks Creek (formerly Maplewood Springs)	Clarks Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.20 N., R.4 E., at old pumping plant above confluence with East Branch.	-	9- 1-26	13.9
East Branch Clarks Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.20 N., R.4 E., at old pumping plant above confluence with West Branch.	-	9- 1-26	6.85
Clarks Creek (formerly Maplewood Springs)	Puyallup River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.20 N., R.4 E., 100 ft below old pumping plant and just below confluence of two forks.	-	10-27-38 12- 2-38 1- 5-39 3- 6-39 4- 5-39 5- 5-39 5-26-39 6-12-39 7-10-39 8-24-39 9-22-39 10-13-39 12-21-39 3-18-40 5- 5-40 5- 2-40 6- 5-40 7- 5-40 8-11-40 9-10-40 1- 3-43 11-26-43 1- 3-44 3- 6-44 4- 3-44 5-30-44 7-15-44 8-25-44 10-11-44 1-25-45 3- 2-45 3-27-45 4-26-45 5-17-45 6-26-45 7-13-45 10-10-45 12-18-45 1-22-46 3-15-46 4-22-46 5-17-46 9-11-46 11-22-46 1-20-47 3-11-47 5- 7-47 6-26-47 8- 7-47 9-22-47 11- 7-47 12- 4-47 1-21-48	39.2 34.7 32.2 28.6 27.6 26.8 27.0 26.4 29.4 26.9 27.3 26.8 26.4 22.4 22.3 22.1 23.2 25.7 23.6 24.7 21.4 23.2 21.4 21.5 19.6 20.6 19.2 24.4 21.0 19.7 19.7 16.8 17.0 16.5 17.6 15.7 19.0 20.5 17.8 19.9 20.5 25.2 25.6 24.6 30.7 32.7 31.4 33.6 27.2 28.6 24.0 30.5 32.9

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Puyallup River basin--Continued					
Clarks Creek (Cont.)	Puyallup River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.20 N., R.4 E., 100 ft below old pumping plant and just below confluence of two forks.		3- 5-48	30.2
				4-12-48	29.0
				5-17-48	25.2
				6-15-48	24.4
				7-15-48	28.0
				8-30-48	24.8
				9-29-48	33.2
				11- 8-48	35.9
				12- 9-48	39.5
				1-25-49	32.3
				3- 8-49	20.9
				4-26-49	30.1
				6- 9-49	26.0
				7-11-49	34.9
				7-29-49	24.5
				9-15-49	23.2
				10- 3-49	24.1
				10-20-49	25.1
				12-19-49	27.1
				2-12-50	18.5
3- 8-50	18.6				
5- 9-50	21.5				
5-19-50	23.4				
7-14-50	22.9				
8-30-50	29.0				
4-23-51	27.5				
5-19-51	37.0				
8-13-51	31.6				
Clarks Creek tributary (formerly unnamed stream)	Clarks Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.20 N., R.4 E., at 10th Avenue Southwest, 14th Street Southwest in Puyallup.	6.59	9- 9-49	2.08
Clarks Creek	Puyallup River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.20 N., R.4 E., at Stewart Avenue bridge.	14.9	8-19-47 12-22-55*	65.7 207
Clear Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.20 N., R.3 E., at city of Tacoma weir, 2 miles above mouth.	3.02	9- 1-26 6-15-43 8- 9-43	7.84 11.6 8.53
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.20 N., R.3 E., at West Pioneer Way.	3.11	7- 6-49 7-22-49 8- 5-49 8-19-49 9- 9-49 10- 3-49	9.21 11.8 13.0 11.0 12.2 12.8
Clear Creek tributary (formerly unnamed stream)	Clear Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.20 N., R.4 W., at junction of Canyon Road and West Pioneer Way.	2.32	9- 9-49	1.90
Clear Creek tributary No. 2	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.20 N., R.3 E., at mouth, just north of West Pioneer Way.	2.65	10- 3-49	3.67
Squally Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.20 N., R.3 E., at West Pioneer Way.	1.03	8-19-49 9- 9-49	1.47 1.55
Swan Creek	.....do.....	Center of south line of NW $\frac{1}{4}$ sec.26, T.20 N., R.3 E., at South 72nd Street, (crest-stage gage "near Tacoma").	2.15	2- 9-51 1-19-52 2- 4-52 1-31-53 1- 6-54 2- 8-55 2- 8-55 12-11-55 12- 9-56 1-16-58 1-24-59 2- 6-60 11-24-60	170 *17.4 58.1 53.0 91.0 71.8 *45.6 119 176 64.2 79 104 96
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.20 N., R.3 E., at West Pioneer Way.	3.07	8-19-49 9- 9-49	3.16 3.94
Puyallup River	Commencement Bay	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.20 N., R.3 E., at U. S. Highway 99 in Tacoma.	972	12-19-17 12-29-17 1- 3-18 1-14-18	25,200 31,000 12,700 8,550

\* Discharge measurement.

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Puyallup and Green (Duwamish) Rivers					
Wapato Creek	Commencement Bay (Port Industrial waterway)	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.20 N., R.4 E., at fence line near east line of sec.17.	2.12	10-13-41 5-18-42 10-21-42	.73 .16 .22
Do.....	.....do.....	East line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.20 N., R.4 E., at gaging station "near Tacoma," (operated June to Oct. 1949).	6.46	10-13-41 5-18-42 8-31-42 10-21-42	2.42 1.99 .76 .70
South Fork Hylebos Creek	Hylebos waterway	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.21 N., R.4 E., at State Highway 5D, 5 miles north of Puyallup, (crest-stage gage "near Puyallup").	b.27	12- 8-48 3-17-50 2- 9-51 2- 9-51 2- 4-52 1-31-53 1- 6-54 2- 8-55 12-11-55 12-10-56 1-16-58 1-16-58 1-24-59 1-24-59 1-24-59 12-15-59 12-15-59 11-24-60 11-24-60	3.7 4.8 6.8 #6.56 3.3 - 4.8 4.7 7.4 4.6 4.8 aa6.6 4.2 aa5.3 3.8 aa4.6 3.4 aa4.7
Hylebos Creek tributary (formerly unnamed stream)	Hylebos Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.21 N., R.4 E., at U. S. Highway 99.	5.20	8-19-47	3.61
Hylebos Creek tributary No. 2	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.21 N., R.4 E., at gaging station "Hylebos Creek near Tacoma," (operated June 1949 to Sept. 1950).	b7.33	10- 3-49 8-14-51	8.37 8.77
Hylebos Creek tributary No. 3 (formerly Hylebos Creek)	.....do.....	SW $\frac{1}{4}$ sec.32, T.21 N., R.4 E., at city of Tacoma weir near Fife.	-	9- 1-26	5.99
Hylebos Creek tributary No. 4	.....do.....	SW $\frac{1}{4}$ sec.32, T.21 N., R.4 E., 500 ft below city of Tacoma weir near Fife.	-	9- 1-26	8.15
Hylebos Creek	Hylebos waterway	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.20 N., R.3 E., at U. S. Highway 99, 1 mile east of Fife.	16.8	10-10-41 5-18-42 8-31-42 10-21-42 8-19-47	15.7 9.25 9.05 9.60 9.92
Joes Creek	Poverty Bay	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.21 N., R.3 E., at Dumas Road, 0.6 mile north of Tacoma city limits, (crest-stage gage "at Tacoma").	.78	1-16-58 1-24-59 1-29-60	11.1 12 11
Puget Sound tributary No. 6	Puget Sound	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.22 N., R.4 E., at road crossing 300 ft above mouth, at Salt Water State Park.	3.01	9-13-45	.22
Bow Lake Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.23 N., R.4 E., at U. S. Highway 99, 2 $\frac{1}{2}$ miles northeast of DesMoines.	1.35	9-13-45	0
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.22 N., R.4 E., 100 ft above mouth at DesMoines.	6.41	7- 7-45 7-18-45 8- 3-45 8-23-45	1.57 1.49 1.56 1.26
Miller Creek	.....do.....	East line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.23 N., R.4 E., at First South Street at State Highway 1K, 1 $\frac{1}{2}$ miles south of Five Corners.	5.29	9-13-45	.57
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.23 N., R.4 E., at Shorebrook Road, 1.3 miles southwest of Five Corners.	7.75	9-13-45	1.42

‡ Discharge measurement.

b Revised.

aa Total flow from basin. The measurements for this site exclude some bypass flow.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Puyallup and Green (Duwamish) Rivers--Continued					
Miller Creek tributary (formerly unnamed creek)	Miller Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.23 N., R.4 E., at Shorebrook Road, 1 $\frac{1}{2}$ miles southwest of Five Corners.	-	9-13-45	0.81
Miller Creek	Puget Sound	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.23 N., R.3 E., at mouth, 1 $\frac{1}{2}$ miles southwest of Five Corners.	8.21	7- 7-45 7-18-45 8- 3-45 8-23-45 9-13-45	2.48 2.24 2.08 2.05 2.54
Longfellow Creek	Elliot Bay	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.24 N., R.3 E., at West Nevada Street in Seattle.	2.87	7- 7-45 7-18-45 8- 3-45 8-23-45	.70 .71 .63 .63
Green River basin					
Snow Creek	Sunday Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.20 N., R.11 E., at gaging station "near Lester," (operated Oct. 1945 to 1960).	11.5		
Friday Creek	Green River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.20 N., R.11 E., at gaging station "near Lester," (operated Oct. 1945 to 1960).	4.67		
Green River	Duwamish River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.20 N., R.10 E., at gaging station "near Lester," (operated Oct. 1945 to 1960).	6.2	8-28-11	41.1
Green Canyon Creek	Green River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.20 N., R.10 E., at gaging station "near Lester," (operated Apr. to Dec. 1960).	3.23	11-22-59 12-15-59	†359 †223
Smay Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.21 N., R.10 E., at road crossing $\frac{1}{4}$ mile above gaging station.	7.40	11-22-59	†1,990
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.21 N., R.10 E., at gaging station "near Lester," (operated 1946 to 1960).	8.56		
Smay Creek tributary (formerly unnamed stream)	Smay Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.21 N., R.10 E., just below gaging station, "Smay Creek near Lester."	1.33	10- 2-52	.31
Green River	Duwamish River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.21 N., R.8 E., 400 ft below Eagle Gorge railroad depot.	189	8-29-11	81.1
Charley Creek	Green River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.20 N., R.8 E., at gaging station "near Eagle Gorge," (operated Sept. 1945 to Nov. 1955).	b11.3	8-23-45 10- 9-45 12- 4-55 1-11-56	9.77 17.4 99.1 52.9
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.21 N., R.8 E., at staff gage 1,000 ft above mouth, $\frac{1}{2}$ mile west of Eagle Gorge.	a12.8	8-16-60 9- 9-60 10-18-60 12- 8-60	16.9 29.2 16.0 66.4
Swamp Drain	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.21 N., R.8 E., at staff gage 500 ft above mouth, $\frac{1}{2}$ mile northwest of Eagle Gorge.	-	8-16-60 9- 9-60 12- 8-60	.79 .54 .92
North Fork Green River	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.20 N., R.8 E., at point where trail parallels the stream.	-	8-15-56	11.9
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.20 N., R.8 E., below tributary entering from left bank.	-	10-23-42 8-15-56 8-22-56	8.66 14.8 12.3
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.21 N., R.8 E., at gaging station "near Eagle Gorge," (operated Sept. 1956 to June 1959).	16.4	9-12-40 9- 3-42 9-11-42 10- 9-42 10-23-42 12-17-42 3- 8-43 5- 6-43 7- 5-43 8- 6-43 9-22-43 9-12-45 8-22-56	7.46 12.9 13.2 9.39 9.93 202 50.5 99.9 39.7 20.4 11.9 10.7 13.0

† Peak flow.  
a Approximately.  
b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Green River basin--Continued					
North Fork Green River	Green River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.21 N., R.8 E., at new gaging station "near Eagle Gorge," (operated July 1959 to 1960).	16.5	8-15-56	9.53
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.21 N., R.8 E., 0.2 mile below junction of trail and road to Lester.	-	9-11-42	10.4
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.21 N., R.8 E., opposite crossing of Lester Road and powerline.	-	9-11-42 10-9-42 10-23-42 12-17-42 3-8-43 5-6-43 7-5-43 8-6-43 9-22-43 9-12-45	5.96 2.38 2.97 218 46.0 86.8 30.4 12.1 4.79 0
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.21 N., R.8 E., $\frac{1}{2}$ mile south of Page Mill Pond.	-	9-11-42	37.8
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.21 N., R.8 E., above bridge crossing of Selleck-Lester Road.	29.2	9-12-40 9-3-42 9-11-42 10-9-42 10-23-42 12-17-42 3-8-43 5-6-43 7-5-43 8-6-43 9-22-43 9-12-45 12-9-52 8-17-60 10-18-60 12-8-60	27.2 46.2 40.9 35.4 31.8 350 129 192 85.8 55.3 36.1 36.6 37.3 52.9 42.3 163
Green River	Duwamish River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.21 N., R.8 E., at the downstream end of railroad tunnel at Howard Hanson Dam site.	221		
Bear Creek	Green River	East line of SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.21 N., R.8 E., at gaging station "near Eagle Gorge," (operated Sept. 1946 to Jan. 1956).	b4.10	8-23-45 10-9-45 11-22-59	1.24 6.47 †710
Green River	Duwamish River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.21 N., R.8 E., at gaging station "near Palmer," (operated Oct. 1931 to 1960).	230		
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.21 N., R.7 E., at city of Tacoma purification plant.	236	4-15-51 3-21-52 8-29-52 9-23-52 9-24-52 10-9-52 10-14-52 10-17-52 10-20-52 10-29-52 11-25-52 12-1-52 8-12-53 9-15-54 7-19-57 3-26-60 4-19-60 5-27-60	1,610 379 35.0 15.9 16.7 7.94 10.1 8.40 8.01 9.40 9.00 9.85 109 139 179 2,250 1,120 1,670
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.21 N., R.7 E., at gaging station "at Kanasket," (operated May to Oct. 1911).	b237	4-17-11 4-29-11	918 1,210
Deep Creek	Deep Lake	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.21 N., R.7 E., at Northern Pacific railroad crossing $\frac{1}{2}$ mile northeast of Cumberland, (crest-stage gage "Deep Creek at Cumberland").	2.17	3-4-50 2-10-51 3-16-51 10-22-51 12-12-51 1-23-53 12-9-53 12-11-53 2-8-55 12-11-55 10-21-56 1-17-58	82.0 109 †19.7 12.0 †4.87 43.0 93.2 †34.2 59.8 102 61.0 44.2

† Peak flow.

‡ Discharge measurement.

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Green River basin--Continued					
Deep Creek (Cont.)	Deep Lake	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.21 N., R.7 E., at Northern Pacific railroad crossing $\frac{1}{2}$ mile northeast of Cumberland. (Crest-stage gage).		1-24-59 10-22-59 11-25-60	60 103 70
Coal Creek	Fish Lake	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.20 N., R.7 E., at private road bridge $1\frac{1}{2}$ miles south of Cumberland.	11.0	9-11-45	3.40
Do.....	.....dc.....	West line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.20 N., R.7 E., at road crossing $2\frac{1}{4}$ miles southwest of Cumberland.	11.5	9-11-45	0
Green River	Duwamish River	Center of NW $\frac{1}{4}$ sec.28, T.21 N., R.6 E., at gaging station "near Black Diamond," (operated Oct. 1939 to Sept. 1948).	b285		
Newaukum Creek	Green River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.20 N., R.7 E., 100 ft below springs, $3\frac{1}{2}$ miles northeast of Enumclaw.	.92	8-31-51	1.56
Newaukum Creek tributary (formerly unnamed stream)	Newaukum Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.20 N., R.7 E., 600 ft above mouth, $3\frac{1}{2}$ miles northeast of Enumclaw.	-	8-31-51	.21
Newaukum Creek	Green River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.20 N., R.7 E., on Byrd Ranch 3 miles northeast of Enumclaw.	2.64	8-31-51	1.44
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.20 N., R.7 E., just above South Fork Newaukum Creek.	-	9- 6-44	1.42
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.20 N., R.7 E., just below South Fork Newaukum Creek.	3.17	8-31-44 7- 6-45 7-19-45 8- 2-45 8-22-45 9-11-45 10-12-45	2.50 3.74 2.85 3.11 2.81 2.88 3.31
North Fork Newaukum Creek	Newaukum Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.20 N., R.7 E., at road crossing $\frac{1}{2}$ mile above junction with Stonequarry Creek.	2.23	8-31-44 9-11-45 8-31-51	.29 .29 .20
Stonequarry Creek (formerly unnamed stream)	North Fork Newaukum Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.20 N., R.7 E., at road crossing 0.9 mile above North Fork Newaukum Creek.	1.14	9- 6-44 9-11-45 8-31-51	.88 .65 1.07
Newaukum Creek	Green River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.20 N., R.7 E., at road crossing above Watercress Creek.	-	7-20-44	8.92
Swimming pool outlet	Watercress Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.20 N., R.7 E., 10 ft below road crossing 1 mile east of Enumclaw.	-	9-11-45	.72
Unnamed ditch	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.20 N., R.7 E., 20 ft below road crossing, $\frac{1}{2}$ mile east of Enumclaw.	-	9-11-45	.54
Watercress Creek	Newaukum Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.20 N., R.7 E., 50 ft above railroad crossing, 15 ft above unnamed spring.	-	9-11-45	4.11
Enumclaw sewage ditch	Watercress Creek	NW $\frac{1}{4}$ sec.18, T.20 N., R.7 E., at mouth at railroad bridge, $\frac{1}{4}$ mile northeast of Enumclaw.	-	9-11-45	.27
Watercress Creek	Newaukum Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.20 N., R.7 E., 200 ft above mouth.	4.61	9- 6-44 7- 4-45 7-19-45 8- 2-45 8-22-45 9-11-45 10-12-45	3.80 6.39 4.91 4.54 3.40 4.69 4.44
Newaukum Creek	Green River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.20 N., R.7 E., at gaging station "near Enumclaw," (operated July to Sept. 1945).	b12.9	10-12-45	9.42
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.20 N., R.6 E., at road crossing 0.2 mile below Watercress Creek.	13.2	8-18-44 9-22-44	9.52 10.6
Do.....	.....do.....	East line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.20 N., R.6 E., at crossing of State Highway 5, 1 mile north of Enumclaw.	13.6	8-31-44	7.28
Do.....	.....do.....	South line SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.20 N., R.6 E., at county road $\frac{1}{2}$ mile north of Enumclaw.	14.0	9-28-45	16.5

b Revised.

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Green River basin--Continued					
Newaukum Creek	Green River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.20 N., R.6 E., 10 ft above Spring Creek.	16.0	9-28-45	18.0
Spring Creek	Newaukum Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.20 N., R.6 E., 50 ft above mouth, 1 $\frac{1}{2}$ miles northwest of Enumclaw.	1.49	9-28-45	3.84
Newaukum Creek	Green River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.20 N., R.6 E., 50 ft below county road bridge and Spring Creek.	17.5	7-20-44 8-18-44 9-22-44	19.1 16.4 17.8
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.20 N., R.6 E., 50 ft above crossing of Holden Road (SE 416th).	21.9	7-20-45 8- 2-45 8-20-45 9-28-45 10-12-45	18.8 15.8 15.9 21.1 16.0
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.20 N., R.6 E., 150 ft above crossing of 400th Street, 3 $\frac{1}{2}$ miles northwest of Enumclaw.	22.6	8-31-44	14.0
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.21 N., R.6 E., at gaging station "near Black Diamond," (operated July 1944 to Nov. 1950, Sept. 1952 to 1960).	27.4	2- 9-51 8-15-51 2- 3-52	†1,810 15.4 †507
Crisp Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.21 N., R.6 E., at county road crossing 3 miles southwest of Black Diamond.	3.20	9-10-45	4.28
Burns Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.21 N., R.6 E., at county bridge above tributary entering from south.	-	9-10-45	2.07
Burns Creek tributary (formerly unnamed stream)	Burns Creek (enters from left bank)	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.21 N., R.6 E., at mouth at county road bridge.	-	9-10-45	.39
Burns Creek tributary No. 2	Burns Creek (enters from right bank)	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.21 N., R.6 E., at mouth, 150 ft west of road crossing Burns Creek.	-	9-10-45	.74
Burns Creek	Green River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.21 N., R.5 E., at gaging station "near Black Diamond," (operated July to Sept. 1945).	61.73		
Green River	Duwamish River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.21 N., R.5 E., at road crossing 3 miles southeast of Auburn.	327	3-15-44 4- 6-44 5-18-44 6-15-44 11-23-44 1- 7-45	816 1,540 1,080 567 455 11,800
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.21 N., R.5 E., at crossing of State Highway 5B, 2 miles east of Auburn.	329		
Big Soos Creek	Green River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.22 N., R.5 E., at road crossing 4 miles northeast of Kent.	4.19	8-30-44	.53
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.22 N., R.5 E., at crossing of Church Road 3 $\frac{1}{2}$ miles northeast of Kent.	5.66	8-30-44 10-18-44	.88 1.86
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.22 N., R.5 E., 1,000 ft above crossing of Mannery Road, 4 miles east of Kent.	-	9-21-44	2.01
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.22 N., R.5 E., 30 ft above crossing of Mannery Road, 4 $\frac{1}{2}$ miles east of Kent.	-	7-18-44 8-18-44	.87 1.58
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.22 N., R.5 E., at county bridge 4 $\frac{1}{2}$ miles east of Kent.	6.96	7- 5-45 7-19-45 8- 6-45 8-22-45 10-13-45	2.12 1.59 1.59 1.50 2.73
Lake Meridian	Big Soos Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.22 N., R.5 E., at outlet.	1.16	8-30-44	0
Big Soos Creek	Green River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.22 N., R.5 E., 80 ft above crossing of State Highway 5A, 1/3 mile above Little Soos Creek.	13.1	8-30-44	4.20
Little Soos Creek	Big Soos Creek	South line SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.22 N., R.5 E., at gaging station "near Kent," (operated July 1945 to Sept. 1945).	66.08	7-18-44 8-17-44 9-21-44 10-17-44 10- 1-46 10- 1-46	1.90 1.85 1.90 2.12 1.74 1.22

† Peak flow.  
b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Green River basin--Continued					
Big Soos Creek	Green River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.21 N., R.5 E., at gaging station "above Jenkins Creek, near Auburn," (operated July 1944 to Oct. 1945).	b20.9	10- 2-45 10-13-45	8.23 7.74
Lake Lucerne outlet (formerly Pipe Lake outlet)	Jenkins Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.22 N., R.6 E., at lake outlet.	.63	8-30-44	0
Jenkins Creek	Big Soos Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.22 N., R.5 E., at crossing of State Highway 5A.	7.91	7-18-44 8-17-44 9-22-44 10-17-44 7- 5-45 7-17-45 8- 6-45 8-22-45 10-13-45	6.01 3.90 3.16 2.92 7.30 5.84 4.81 3.65 6.14
Jenkins Creek tributary (formerly unnamed stream)	Jenkins Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.22 N., R.5 E., at mouth 100 ft south of State Highway 5A.	-	7-18-44	1.02
South Fork Jenkins Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.22 N., R.6 E., at crossing of county road 3 miles northwest of Black Diamond.	1.49	8-30-44	3.00
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.22 N., R.5 E., 600 ft above mouth.	3.96	7-22-44 8-17-44	7.03 5.04
Jenkins Creek	Big Soos Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.22 N., R.5 E., at road crossing at Covington.	12.7	9-22-44 10-17-44 7- 5-45 7-17-45 8- 6-45 8-22-45 10-13-45	10.5 9.59 18.1 15.4 11.7 10.7 11.7
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.21 N., R.5 E., at gaging station "near Auburn," (operated July to Nov. 1944, June to Sept. 1945).	13.5		
Rock Creek	Lake Sawyer	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.21 N., R.6 E., at road crossing at Morganville.	5.52	8-30-44	.55
Covington Creek	Big Soos Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.21 N., R.6 E., at gaging station "near Black Diamond," (operated Jan. 1953 to Oct. 1959).	b13.0	7-19-44 8-18-44 9-22-44	3.87 1.26 .18
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.21 N., R.6 E., at road crossing 3 miles west of Morganville.	15.8	7- 4-45 7-19-45 8- 2-45 8-22-45 10-12-45	11.5 5.33 3.33 1.15 1.82
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.21 N., R.6 E., at crossing of State Highway 5B, 3 $\frac{1}{2}$ miles west of Morganville.	17.8	8-30-44	.87
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.21 N., R.5 E., at gaging station "near Auburn," (operated July to Oct. 1944, June to Oct. 1945).	b21.6	11- 6-44 10-12-45	2.45 5.02
Big Soos Creek	Green River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.21 N., R.5 E., at gaging station "near Auburn," (operated Aug. 1944 to Feb. 1951, Aug. 1951 to Apr. 1956).	b59.2		
Soosette Creek	Big Soos Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.21 N., R.5 E., near mouth.	5.50	7-20-44 8-17-44 9-21-44 10-18-44	.89 .72 .76 .69
Big Soos Creek	Green River	West line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.21 N., R.5 E., at gaging station "above hatchery, near Auburn," (operated Aug. to Dec. 1960).	66.7	4-19-56 5-18-56 6-20-56 7- 3-56 8-16-56	121 62.5 48.5 30.8 20.2
Green River	Duwamish River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.21 N., R.5 E., at gaging station "near Auburn," (operated Aug. 1936 to 1960).	b399		

b Revised.

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Green River basin--Continued					
Hill Creek (formerly Dolloff Lake outlet)	Green River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.21 N., R.4 E., at private driveway off State Highway 5, 2 miles west of Auburn, (crest-stage gage "near Auburn"). Prior to Sept. 1957 gage located 0.2 mile upstream.	3.14	1-20-50 2- 9-51 2- 9-51 4-27-52 1-19-53 1-31-53 1- 6-54 2- 8-55 2- 8-55 2- 8-55 12-11 or 21-55 2-24-57 1-17-58 1-24-59 12-15-59 11-24-60	62.0 112 #99.7 33.0 #9.59 35.0 47.5 36.6 #32.7 #24.7 53.7 46.9 40.5 55.6 45 65
Hill Creek tributary	Hill Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.21 N., R.4 E., at road crossing 2 miles northwest of Auburn, (crest-stage gage "near Auburn").	.30	1-23-59 11-20-59	5.1 6.4
Hill Creek (formerly Peasley Creek)	Green River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.22 N., R.4 E., at crossing of State Highway 5M.	10.5	7- 6-45 7-19-45 8- 4-45 8-24-45	3.03 2.16 1.75 1.36
Green River	Duwamish River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.22 N., R.4 E.(See addendum).	-		
Hill Creek	Spring Brook Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.22 N., R.5 E., at crossing of State Highway 5A in Kent.	-	3-23-53 4-17-53 5-26-53 6-17-53 7-24-53 9- 1-53 10- 6-53	2.23 2.41 1.87 1.78 1.06 .97 1.19
Spring Brook Creek	Black River	East line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.23 N., R.4 E., at crossing of State Highway 5, 3 miles north of Kent.	8.44	7- 5-45 7-13-45 8- 4-45 8-23-45	4.61 3.41 3.06 2.79
Green River	Duwamish River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.23 N., R.4 E., at bridge at Orillia.	435	7- 9-45 7-18-45 8- 3-45 8-23-45 10-12-45	523 427 266 194 320
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.23 N., R.4 E., at bridge on State Highway 5M at gaging station "Green River at Tukwila", (established Oct. 1960).	440	11-13-58 11-13-58 1-27-59 4- 3-59 11-21-59 11-24-59 12-16-59 11- 8-59 11-18-59	11,400 12,200 6,410 6,160 10,000 11,600 13,100 877 4,800
Lake Washington basin					
North Fork Cedar River tributary	North Fork Cedar River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.21 N., R.11 E., at logging road crossing 1 mile above mouth and 7 $\frac{1}{2}$ miles north of Lester.	.57	9-16-60	.29
Tinkham Creek (formerly Tinkam Creek)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.21 N., R.10 E., 400 ft below logging road bridge and 8 miles north of Lester.	2.29	9-16-60	3.48
North Fork Cedar River tributary No. 2	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.21 N., R.10 E., 500 ft below logging road bridge, 500 ft above mouth, and 7 $\frac{1}{2}$ miles north of Lester.	.40	9-16-60	.19
North Fork Cedar River	Cedar River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.21 N., R.10 E., at gaging station "near Lester," (operated Oct. 1944 to 1960).	9.30		
South Fork Cedar River tributary	South Fork Cedar River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.21 N., R.10 E., 150 ft below culvert crossing on logging road, 2,000 ft above mouth, and 4 $\frac{1}{2}$ miles north of Lester.	.53	9-16-60	1.73
South Fork Cedar River tributary No. 2	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.21 N., R.10 E., 25 ft above mouth, and 5 $\frac{1}{2}$ miles north of Lester.	.65	9-16-60	.44

\* Discharge measurement.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
South Fork Cedar River	Cedar River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.21 N., R.10 E., 500 ft below South Fork tributary No. 2, 3 miles above confluence with North Fork, and 5 $\frac{1}{2}$ miles north of Lester.	2.43	9-16-60	3.56
South Fork Cedar River tributary No. 3	South Fork Cedar River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.21 N., R.10 E., 20 ft above logging road bridge, 2,000 ft above mouth, and 6 $\frac{1}{2}$ miles northwest of Lester.	1.09	9-16-60	.58
South Fork Cedar River	Cedar River	Southwest corner of SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.21 N., R.10 E., at gaging station "near Lester," (operated Oct. 1944 to 1960).	6.04		
Goat Creek (formerly Cedar River tributary)	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.21 N., R.10 E., above falls at logging road bridge crossing, 400 ft above mouth, and 8 miles northwest of Lester.	2.06	9-16-60	2.02
Viola Creek (formerly Cedar River tributary No. 2)	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.21 N., R.10 E., 100 ft above mouth, 8 $\frac{1}{2}$ miles northwest of Lester.	.64	9-16-60	.27
Cedar River tributary No. 3	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.21 N., R.10 E., 100 ft below logging road bridge, 400 ft above mouth and 8 $\frac{1}{2}$ miles northwest of Lester.	.72	9-16-60	.21
Bear Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.22 N., R.10 E., 100 ft above logging road bridge, $\frac{1}{4}$ mile above mouth, and 9 $\frac{1}{2}$ miles northwest of Lester.	1.87	9-16-60	4.22
Bear Creek tributary	Bear Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.21 N., R.10 E., 50 ft below logging road crossing, 4,200 ft above mouth, and 9 miles northwest of Lester.	.34	9-16-60	.45
Bear Creek tributary No. 2	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.21 N., R.10 E., 400 ft below logging road crossing, $\frac{1}{2}$ mile above mouth, and 9 miles northwest of Lester.	.25	9-16-60	.08
Cedar River	Chester Morse Lake	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.22 N., R.10 E., at gaging station "below Bear Creek near Cedar Falls," (operated Oct. 1945 to 1960).	25.4		
Seattle Creek	Cedar River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.22 N., R.10 E., 50 ft above road bridge, 150 ft above mouth and 12 miles southeast of Cedar Falls.	3.75	9-16-60	3.90
Cedar River tributary No. 4	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.22 N., R.10 E., at road fork to Bear Creek cabin, 1,200 ft above mouth, and 11 $\frac{1}{2}$ miles southeast of Cedar Falls.	.28	9-16-60	0
Cedar River tributary No. 5	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.22 N., R.10 E., 60 ft above road culvert, 1,000 ft above mouth, and 11 $\frac{1}{2}$ miles southeast of Cedar Falls.	.23	9-16-60	.19
Cedar River tributary No. 6	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.22 N., R.10 E., at road culvert, 1,000 ft above mouth, and 11 $\frac{1}{2}$ southeast of Cedar Falls.	.24	9-16-60	.23
Cedar River tributary No. 7	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.22 N., R.10 E., at road crossing 500 ft above mouth, and 11 miles southeast of Cedar Falls.	.29	9-16-60	.47
Findley Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.22 N., R.9 E., 250 ft above mouth, and 10 miles southeast of Cedar Falls.	1.95	9-16-60	2.70
Roaring Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.22 N., R.9 E., at road culvert 500 ft above mouth and 10 miles southeast of Cedar Falls.	.93	9-15-60	.97
Cedar River tributary No. 8	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.22 N., R.9 E., at road culvert 10 miles southeast of Cedar Falls.	.21	9-15-60	.41
Cedar River tributary No. 9	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.22 N., R.9 E., at road crossing 9 $\frac{1}{2}$ miles southeast of Cedar Falls.	.13	9-15-60	.08
Cedar River tributary No. 10	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.22 N., R.9 E., at road crossing 8 $\frac{1}{4}$ miles southeast of Cedar Falls.	.12	9-15-60	.04

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Chester Morse Lake tributary	Chester Morse Lake	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.22 N., R.9 E., at road crossing 200 ft above mouth, and 8 $\frac{1}{4}$ miles southeast of Cedar Falls.	.33	-	Trace
Chester Morse Lake tributary No. 2	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.22 N., R.9 E., at road crossing 400 ft above mouth and 8 miles southeast of Cedar Falls.	-	9-15-60	0
Cedar River	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.22 N., R.9 E., at gaging station "near Cedar Falls," (operated Oct. 1945 to 1960).	40.7		
Chester Morse Lake tributary No. 3	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.22 N., R.9 E., at road crossing 600 ft above mouth and 8 miles southeast of Cedar Falls.	-	9-15-60	0
Chester Morse Lake tributary No. 4	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.22 N., R.9 E., at road crossing 400 ft above mouth and 7 $\frac{1}{2}$ miles southeast of Cedar Falls.	-	9-15-60	0
Chester Morse Lake tributary No. 5	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.22 N., R.9 E., at culvert 5 $\frac{1}{2}$ miles southeast of Cedar Falls.	-	11-18-52	Trace
McClellan Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.22 N., R.9 E., at culvert 6 $\frac{1}{4}$ miles southeast of Cedar Falls.	1.40	12- 9-56 9-15-60	216 .79
Green Point Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.22 N., R.9 E., at road culvert 5 $\frac{1}{2}$ miles southeast of Cedar Falls, (crest-stage gage, "near Cedar Falls").	.89	11-18-52 12-10-56 1-16-58 11-18-58 12-15-59 9-15-60	+0 119 43.2 119 113 +0
Rex River	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.21 N., R.9 E., at end of logging road, 1,500 ft below falls, 1 mile above Pine Creek and 10 miles southeast of Cedar Falls.	3.59	9-14-60	5.62
Pine Creek	Rex River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.21 N., R.9 E., 250 ft above bridge, 1,000 ft above mouth, and 10 miles southeast of Cedar Falls.	1.62	9-14-60	2.09
Rex River tributary	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.21 N., R.9 E., at road culvert 1,500 ft above mouth, and 9 miles southeast of Cedar Falls.	-	9-14-60	.04
Rex River tributary No. 2	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.21 N., R.9 E., at bridge about 1 $\frac{1}{4}$ miles above mouth and 8 $\frac{1}{4}$ miles southeast of Cedar Falls.	-	9-14-60	2.89
Rex River	Chester Morse Lake	East line NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.22 N., R.9 E., at gaging station, "near Cedar Falls," (operated Oct. 1945 to 1960).	13.4		
Rex River tributary No. 3	Rex River	Center SE $\frac{1}{4}$ sec.32, T.22 N., R.9 E., at road culvert $\frac{1}{2}$ mile above mouth, and 7 $\frac{1}{4}$ miles southeast of Cedar Falls.	.30	9-14-60	.45
Rex River	Chester Morse Lake	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.22 N., R.9 E., 300 ft above mouth and 5 miles southeast of Cedar Falls.	-	11-18-52 11-19-52	14.1 13.7
Cabin Creek	Rex River	South line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.22 N., R.9 E., at road culvert 5 $\frac{1}{4}$ miles southeast of Cedar Falls.	.51	11-18-52 9-13-60	0 .45
Boulder Creek	Chester Morse Lake	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.22 N., R.9 E., 150 ft above bridge and 6 $\frac{1}{2}$ miles southeast of Cedar Falls.	1.99	9-14-60	2.45
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.22 N., R.9 E., 300 ft above road crossing and 5 $\frac{1}{4}$ miles southeast of Cedar Falls.	2.65	11-18-52 9-13-60	0 2.80
Shotgun Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.22 N., R.9 E., at road crossing 4 $\frac{1}{2}$ miles southeast of Cedar Falls.	.81	11-18-52 9-13-60	0 .15
Snowshoe Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.22 N., R.9 E., at road crossing 4 $\frac{1}{2}$ miles southeast of Cedar Falls.	.09		
Echo Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.22 N., R.9 E., at road crossing near mouth, 4 miles southeast of Cedar Falls.	.17	11-18-52	0

\* Observed.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Rack Creek (formerly Rock Creek)	Chester Morse Lake	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.22 N., R.8 E., at road crossing 3 $\frac{1}{2}$ miles southeast of Cedar Falls.	2.14	11-18-52 9-13-60	0 .75
Bridge Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.22 N., R.9 E., at road crossing 4 $\frac{1}{2}$ miles southeast of Cedar Falls.	.42	9-15-60	.09
Chester Morse Lake tributary No. 6	.....do.....	Near center of SE $\frac{1}{4}$ sec.7, T.22 N., R.9 E., at road crossing, 4 miles southeast of Cedar Falls.	-	11-18-52	0
Otter Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.22 N., R.9 E., at road culverts 3 $\frac{1}{4}$ miles southeast of Cedar Falls.	.66	11-18-52 9-15-60	.30 .16
Chester Morse Lake tributary No. 7	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.22 N., R.9 E., at road crossing 3 $\frac{1}{2}$ miles southeast of Cedar Falls.	-	11-16-52	0
Chester Morse Lake tributary No. 8	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.22 N., R.8 E., at road crossing 4 miles southeast of Cedar Falls.	-	9-13-60	.06
Chester Morse Lake tributary No. 9	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.22 N., R.8 E., at road crossing 4 miles southeast of Cedar Falls.	.15	9-13-60	Trace
Dambyrat Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.22 N., R.9 E., at road crossing 3 miles southeast of Cedar Falls.	.34	11-18-52 9-15-60	0 .10
Cedar River	Lake Washington	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.19 N., R.8 E., on weir above crib dam at outlet of Chester Morse Lake at gaging station "at Cedar Lake, near North Bend," (operated June 1898 to May 1899 at Vaughn Bridge 2,000 ft downstream, and Oct. 1902 to Aug. 1903).	78.4	11-18-52 11-19-52 11-19-52	57.9 57.8 57.9
Lost Creek	Chester Morse Lake	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.22 N., R.8 E., at road culvert 2 $\frac{1}{4}$ miles southeast of Cedar Falls.	.75	9-13-60	1.44
Canyon Creek	Cedar River	West line NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.22 N., R.8 E., at gaging station "near Cedar Falls," (operated May 1945 to 1960).	.19		
Cedar River	Lake Washington	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.22 N., R.8 E., at gaging station "at Cedar Falls," (operated Apr. 1914 to 1960).	84.2	7-31-12	146
Coon Creek	Cedar River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.22 N., R.8 E., at road crossing at mouth 0.6 mile southwest of Cedar Falls powerhouse.	.17	1- 5-43 2-16-43 4- 9-43 5-29-43 7-14-43 9- 7-43 11- 4-43 12-21-43 2-17-44 3-28-44 5- 5-44 6-26-44 8- 8-44 9-26-44 11-17-44 1-19-45 3-23-45 5-10-45 7-25-45	2.53 2.63 3.15 2.59 3.17 1.75 .22 .60 3.70 1.57 1.23 .98 .53 1.55 .35 2.90 .18 3.73 1.18
Steele Creek	.....do.....	South line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.22 N., R.8 E., at mouth 1.8 miles southwest of Cedar Falls powerplant.	1.06	9-13-60	1.16
Williams Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.22 N., R.7 E., at road crossing near mouth, 3 $\frac{1}{4}$ miles southwest of Cedar Falls powerplant.	2.35	7-25-45 9-14-45 9-13-60	.61 .46 .42
Middle Fork Taylor Creek (north branch (formerly tributary No. 2))	Taylor Creek	South line NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.22 N., R.8 E., at road crossing 5 $\frac{1}{4}$ miles southeast of Selleck.	-	9-12-60	2.50
Middle Fork Taylor Creek tributary (south branch)	Middle Fork Taylor Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.22 N., R.8 E., at road crossing 5 $\frac{1}{4}$ miles southeast of Selleck.	-	9-12-60	3.37

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Middle Fork Taylor Creek	Taylor Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.22 N., R.8 E., at gaging station "near Selleck," (operated Aug. 1956 to 1960).	5.17		
South Fork Taylor Creek (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.22 N., R.8 E., just above confluence with Middle Fork, 3 $\frac{1}{4}$ miles southeast of Selleck.	2.04	9- 3-42 9-11-42 10- 9-42 10-23-42 12-17-42 3- 8-43 5- 6-43 7- 5-43 8- 6-43 9-12-45 9-12-60	0.22 .18 .05 .10 17.2 3.62 7.08 11.8 2.67 0 .02
Taylor Creek	Cedar River	East line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.22 N., R.8 E., just below confluence of Middle Fork and South Fork, 3.2 miles southeast of Selleck.	7.88	9- 3-42 9-11-42 10- 9-42 10-23-42 12-17-42 3- 8-43 5- 6-43 7- 5-43 8- 6-43 9-22-43 9-12-45	4.60 3.80 2.72 2.78 81.3 21.0 30.8 2.01 5.88 1.89 2.33
North Fork Taylor Creek	Taylor Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.22 N., R.8 E., 150 ft above road crossing 2 $\frac{1}{2}$ miles south of Cedar Falls.	.54	9-16-60	1.20
North Fork Taylor Creek tributary	North Fork Taylor Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.22 N., R.8 E., at road crossing, 2 $\frac{1}{2}$ miles southwest of Cedar Falls.	-	9-16-60	.93
North Fork Taylor Creek	Taylor Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.22 N., R.8 E., at gaging station "near Selleck," (operated June 1956 to 1960).	3.77		
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.22 N., R.8 E., $\frac{1}{2}$ mile from bridge near mouth, 2 $\frac{1}{2}$ miles southeast of Selleck.	-	9-11-42 10- 9-42 10-23-42 12-17-42 3- 8-43 5- 6-43 7- 5-43 8- 6-43 9-22-43	.72 0 0 43.0 6.66 11.7 6.50 1.51 0
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.22 N., R.8 E., at road crossing near mouth, 2 $\frac{1}{2}$ miles southeast of Selleck.	4.14	9- 3-42 9-11-42 10- 9-42 10-23-42 12-17-42 3- 8-42 5- 6-42 7- 5-42 8- 6-42 9-22-42 9-12-45	.48 .10 0 0 43.0 5.67 9.99 4.77 .77 0 .27
Taylor Creek	Cedar River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.22 N., R.8 E., below mouth of North Fork.	12.9	10- 9-42	.50
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.22 N., R.8 E., 600 ft above old logging railroad trestle near Selleck.	-	8- 1-42	25.0
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.22 N., R.8 E., 100 ft above old logging railroad trestle, 2 $\frac{1}{2}$ miles southeast of Selleck (above springs).	-	9- 3-42 9-11-42 9-22-42 10- 9-42 10-23-42 12-17-42 3- 8-43 5- 6-43 7- 5-43 8- 6-43 9-12-45	17.3 16.1 12.0 14.0 13.1 163 60.9 78.4 34.8 17.6 15.4
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.22 N., R.8 E., just below old logging railroad trestle (below springs), 2 miles southeast of Selleck.	-	8- 1-42 9- 3-42 9-11-42 10- 9-42 10-23-42 12-17-42	38.5 24.7 23.2 16.4 15.6 183

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Taylor Creek (Cont.)	Cedar River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.22 N., R.8 E., just below old logging railroad trestle (below springs) 2 miles southeast of Selleck.		3- 8-43 5- 6-43 7- 5-43 8- 6-43 9-22-43 9-12-45	67.5 80.1 38.4 30.6 18.9 18.8
Seventeen Creek	Taylor Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.22 N., R.8 E.,aat road crossing near mouth, 1 $\frac{1}{2}$ miles northeast of Selleck.	2.04	9- 3-42 9-11-42 10- 9-42 10-23-42 12-17-42 3- 8-43 5- 6-43 7- 5-43 8- 6-43 9-22-43 9-12-45 9-16-60	1.90 1.47 1.12 1.05 8.01 5.11 6.39 4.29 3.36 1.24 1.51 2.86
Taylor Creek	Cedar River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.22 N., R.8 E., at gaging station "near Selleck," (operated July to Sept. 1945, Aug. 1956 to 1960).	17.2	9- 3-42 9-11-42 10- 9-42 10-23-42 12-17-42 3- 8-42 5- 6-42 7- 5-42 8- 6-42 9-22-42	29.4 27.9 22.3 18.6 193 76.0 94.9 46.2 34.2 18.2
Unnamed spring	.....do.....	NE $\frac{1}{4}$ sec.17, T.22 N., R.7 E., about $\frac{1}{2}$ mile northeast of river gage "near Landsburg."	-	1- 6-43	.26
Cedar River	Lake Washington	On west line NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.22 N., R.7 E., at gaging station "near Landsburg," (operated July 1895 to 1960).	117		
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.22 N., R.7 E., at Issaquah-Ravensdale Road bridge at Landsburg.	-	8- 1-12	269
Rock Creek	Walsh Lake diversion ditch	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.22 N., R.7 E., at Kerriston Road crossing 2 $\frac{1}{2}$ miles northwest of Selleck.	1.84	9-13-60	1.18
Webster Creek	Walsh Lake	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.22 N., R.7 E., at road crossing $\frac{1}{2}$ mile west of Taylor.	1.73	9-14-45	.12
Hotel Creek	Taylor drain ditch	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.22 N., R.7 E., at road crossing $\frac{1}{2}$ mile southwest of Taylor.	-	9-14-45	.61
Walsh Lake Creek	Walsh Lake diversion ditch	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.22 N., R.7 E., 150 ft above junction with Rock Creek, 3 miles northeast of Landsburg.	4.51	7-11-45 7-16-45 8-10-45 8-27-45 9-12-45	1.15 1.09 1.08 .96 2.89
Walsh Lake diversion ditch (formerly Rock Creek)	Cedar River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.22 N., R.6 E., at gaging station "Rock Creek diversion near Landsburg," (operated June 1945 to Oct. 1948).	11.1	4-21-32 7-21-32 11-19-32 4- 6-33 12-18-34 3- 5-35 8- 7-35 10- 1-35 1- 9-36 1-22-36 8- 5-36 9-19-36 3- 3-37 5-18-37 10-11-37 5- 5-38 9-23-38 10-10-38 2- 8-39 6-28-39 9-14-39 5-27-40 6-27-40 7-22-40 7-29-40 8-31-40 9-16-40 11- 8-40	46.8 7.2 78.9 27.5 48.9 25.1 4.3 3.0 52.0 91.8 3.5 5.5 109 15.8 5.8 26.1 4.9 8.1 27.6 27.2 4.1 5.50 3.17 2.96 2.01 2.99 3.60 25.0

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Walsh Lake diversion ditch (Cont.)	Cedar River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.22 N., R.6 E., at gaging station "Rock Creek diversion near Landsburg."		12- 9-40 1-21-41 2- 7-41 3-21-41 4-16-41 5-22-41 6-27-41 8-18-41 9-23-41 10-21-41 11- 9-41 12-20-41 2- 7-42 3-20-42 5-11-42 5-12-42 6-18-42 8- 5-42 9-28-42 11-13-42 1- 5-43 2-15-43 4-10-43 5-29-43 7-14-43 9- 8-43 11- 4-43 12-21-43 2-16-44 3-29-44 5- 5-44 6-26-44 8- 8-44 9-27-44 11-18-44 1-19-45 3-21-45 5-10-45	57.6 41.3 18.9 13.6 26.0 14.7 14.2 1.90 10.2 23.0 14.0 126 44.1 25.7 17.2 16.4 54.8 6.46 2.76 16.3 32.6 54.9 30.6 9.60 4.03 2.21 28.8 7.26 28.0 16.1 15.6 8.20 3.25 8.07 7.51 80.8 76.0 20.1
Rock Creek	Cedar River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.22 N., R.7 E., at end of trail 1,000 ft above gaging station "near Ravensdale."	-	8- 6-56 8- 8-56 9- 4-56 9-27-56 10-29-56 12-27-56 1-28-57 3-12-57 4-24-57 5-31-57 7-15-57	1.97 1.89 1.12 .97 1.49 25.2 12.9 38.5 16.0 6.29 2.56
Rock Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.22 N., R.6 E., at gaging station "near Ravensdale," (operated Aug. 1956 to Oct. 1959).	10.9	6-29-56 8- 6-56 8- 8-56	3.63 2.36 2.34
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.22 N., R.6 E., at gaging station "at State Highway 5A, near Ravensdale," (operated June 1956 to 1960).	11.2	8-13-24	11.6
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.22 N., R.6 E., at gaging station "near Maple Valley," (operated June 1945 to 1960).	12.6		
Downs Creek	.....do.....	Center of sec.10, T.22 N., R.6 E., at road crossing $\frac{1}{2}$ mile east of Maple Valley.	3.37	9-14-45	1.41
Peterson Lake tributary (formerly unnamed creek)	Peterson Lake	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.22 N., R.6 E., at road crossing $\frac{1}{2}$ mile above Peterson Lake.	2.69	9-14-45	0
Downs Creek	Cedar River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.22 N., R.6 E., at crossing of Maxwell Road, 1 mile north of Maple Valley.	5.02	7-11-45 7-26-45 8-10-45 8-24-45 9-12-45 9-14-45	2.67 2.20 3.00 1.97 2.54 2.37
Cedar River tributary No. 11	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.23 N., R.6 E., at crossing of Maxwell Road, 2 miles north of Maple Valley.	.96	7-11-45 7-26-45 8-24-45 9-14-45	.29 .29 .27 .31

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Cedar River tributary No. 12	Cedar River	NE $\frac{1}{4}$ sec.32, T.23 N., R.6 E., at mouth, at Cedar Grove.	-	9-14-45	0.39
Madsen Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.23 N., R.5 E., 100 ft below road crossing, 2 miles south of Elliot.	-	9-14-45	.81
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.23 N., R.5 E., at crossing of State Highway 5, at Elliot.	1.94	7-11-45 7-26-45 8-10-45 8-24-45 9-12-45 9-14-45	1.77 2.44 2.48 2.15 2.19 1.77
Cedar River	Lake Washington	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.23 N., R.5 E., at gaging station "at Renton." Operated Mar. 1901 to July 1903 (fragmentary), Sept. 1906 to Dec. 1907, Aug. 1945 to 1960.	186	2- 9-01 3- 5-01 5-23-03 4- 1-04 8-25-06 1- 8-08 4-16-08	653 2,020 1,100 761 215 1,720 1,980
May Creek	Lake Washington	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.23 N., R.6 E., at crossing of State Highway 2, 4 miles southwest of Issaquah.	2.82	9-11-45 8-16-55 9- 6-55	.36 .28 .18
Do.....	.....do.....	East line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.23 N., R.5 E., at road crossing 3 miles east of Kenndale.	7.06	7- 9-45 7-24-45 8- 7-45 8-29-45 9-11-45 10-12-45 6-27-55 7-15-55 8- 8-55 9- 6-55 7-31-56 8-27-56 9- 4-56 8- 4-59	1.36 1.30 1.00 .99 1.43 1.44 2.02 1.25 1.14 .73 .61 .82 .54 0
Lake Boren outlet (formerly Etta Cartney Creek)	May Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.24 N., R.5 E., at county road crossing.	1.07	9-11-45 8-17-55 9- 6-55	0 0 0
May Creek	Lake Washington	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.24 N., R.5 E., at gaging station "near Renton," (operated July 1945 to Oct. 1950, June 1955 to Sept. 1958).	12.5	10-14-58	2.61
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.24 N., R.5 E., at crossing of State Highway 2A, 1,000 ft above mouth.	-	6-20-42 8- 3-42 10- 2-42	10.1 2.97 2.80
Coal Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.24 N., R.5 E., at road crossing $1\frac{1}{4}$ miles west of New Castle.	2.00	9-11-45 8-17-55 9- 6-55	.02 0 0
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.24 N., R.5 E., at crossing of State Highway 2A 3 miles south of Bellevue.	6.80	7- 3-45 7-16-45 8-15-45 8-20-45 9-11-45 10-12-45 6-27-55 7-15-55 8- 5-55 9- 8-55 10-10-55 10-26-55 5-16-56 7-31-56 9-14-56 8-20-58 7-21-59 8-25-59	3.61 2.81 2.43 1.68 2.20 2.02 3.86 3.00 2.61 2.31 3.71 9.23 4.53 2.61 2.24 1.68 2.63 2.65
Mercer Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.25 N., R.5 E., at private road crossing, 3 miles east of Bellevue.	1.05	8-29-45 8-17-55 9- 6-55	1.09 1.33 .98
Do.....	.....do.....	Near center sec.27, T.25 N., R.5 E., at county road crossing just above North Branch Mercer Creek, $2\frac{1}{2}$ miles northeast of Bellevue.	1.65	9-12-45 8-17-55 9- 6-55 8- 1-56	1.31 1.89 1.27 1.32

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
North Branch Mercer Creek	Mercer Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.25 N., R.5 E., at county road crossing 0.2 mile above mouth, (crest-stage gage "Mercer Creek, North Branch, near Bellevue").	3.05	2-16-49 3- 4-50 2- 2-51 2-10-51 2- 4-52 1-31-53 1- 6-54 2- 8-55 12-20-55 2-25-57 1-16-58 1-24-59 2- 1-60	47.0 45.1 #21.5 241 17.4 19.0 33.0 27.1 46.3 33.8 37.0 40 33
Do.....	.....do.....	Near center sec.27, T.25 N., R.5 E., at mouth	3.10	9-12-45 8-17-55 9- 6-55 8- 1-56 8-26-59	.44 .55 .35 .57 0
Mercer Creek	Lake Washington	Southwest corner SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27 T.25 N., R. 5 E., at county road crossing 2 miles east of Bellevue.	7.25	7- 9-45 7-20-45 8- 7-45 8-20-45 9-12-45 10-13-45 6-27-55 8- 5-55 9- 6-55 10-10-55 8- 1-56 9- 5-56 7-21-59 8-25-59	1.59 2.34 2.46 1.40 1.95 2.40 3.14 3.01 2.04 6.10 2.10 2.32 1.84 1.71
South Fork Mercer Creek	Mercer Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.24 N., R.5 E., at private road crossing $\frac{1}{2}$ mile above mouth, 2 miles southeast of Bellevue.	3.22	7-11-45 7-16-45 8- 7-45 8-25-45 10-13-45 6-27-55 7-15-55 8- 5-55 9- 6-55 10-10-55 8- 1-56 9- 5-56	.44 2.03 1.46 1.43 1.66 1.88 1.25 1.50 1.10 3.03 1.59 1.42
Mercer Creek	Lake Washington	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.24 N., R.5 E., at gaging station "near Bellevue," (operated June to Oct. 1945, June 1955 to 1960).	12.0		
Sturtevant Creek	Mercer Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.25 N., R.5 E., at county road crossing 0.6 mile east of Bellevue.	1.35	8-17-55	Trace
Lake Washington tributary (formerly unnamed creek)	Lake Washington	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.25 N., R.5 E., at highway crossing 2 miles south of Kirkland.	1.87	9-12-45 8-17-55 9- 6-55	.56 .62 .33
Forbes Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.26 N., R.5 E., 200 ft above gravel company reservoir, $\frac{1}{2}$ mile north of Kirkland.	2.69	8-21-45 8-17-55	.07 .08
Juanita Creek	.....do.....	South line SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.26 N., R.5 E., of county road crossing 2 miles north of Kirkland.	3.72	7- 9-45 7-20-45 8- 8-45 8-17-45 10-13-45 6-28-55 8- 5-55 9- 9-55	.24 .96 .84 .70 .82 2.58 1.02 .86
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.26 N., R.5 E., at crossing of State Highway 2A, $\frac{1}{2}$ mile north of Juanita.	-	6-20-42 8- 3-42 10- 2-42 7-16-43 9-10-43	4.42 1.63 1.31 1.39 1.29
Do.....	.....do.....	Center of SE $\frac{1}{4}$ sec.30, T.26 N., R.5 E., at gaging station "near Kirkland," (operated June to Sept. 1945).	b6.43	10-13-45 6-28-55 7-15-55 8- 5-55 9- 9-55 7-31-56	1.43 4.96 1.99 1.68 1.65 1.40

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Juanita Creek (Cont.)	Lake Washington	Center of SE $\frac{1}{4}$ sec.30, T.26 N., R.5 E., at gaging station "near Kirkland."		8-20-58 7-21-59 8-25-59	1.53 1.77 1.68
Carey Creek (formerly Issaquah Creek)	Issaquah Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.22 N., R.7 E., 50 ft above crossing of Issaquah-Ravensdale Road, $\frac{1}{2}$ mile north of Hobart.	4.27	7- 6-45 7-26-45 8- 2-45 8-18-45 9-14-45 10-12-45 9- 7-55	bb5.66 4.26 3.85 3.88 3.51 4.65 3.71
Holder Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.23 N., R.7 E., above crossing of Issaquah-Ravensdale Road, 1 mile north of Hobart.	5.92	7- 6-45 7-26-45 8- 2-45 8-18-45 9-14-45 10-12-45 7- 5-55 7-18-55 8- 8-55 9- 7-55 9- 5-56 8-18-58 7-20-59 8-24-59	3.87 3.44 3.01 2.47 2.86 5.88 15.6 7.87 8.74 3.18 2.27 2.16 4.18 5.22
Issaquah Creek tributary (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.23 N., R.6 E., at crossing of Issaquah-Ravensdale Road, 2 $\frac{1}{2}$ miles northwest of Hobart.	1.78	8-29-45 8-16-55 9- 7-55	.42 0 1.07
Issaquah Creek	Sammanish Lake	North line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.23 N., R.6 E., at county road crossing 3 $\frac{1}{2}$ miles northwest of Hobart.	20.5	7- 6-45 7-21-45 8-18-45 9-14-45 7-18-55 8- 8-55 9- 6-55 9- 5-56 7-20-59 8-24-59	18.2 16.5 13.5 12.8 23.2 23.0 13.6 10.3 13.0 11.1
Issaquah Creek tributary No. 2	Issaquah Creek	NW $\frac{1}{4}$ sec.22, T.23 N., R.6 E., about $\frac{1}{2}$ mile above gaging station.	-	8-29-45 8-16-55 9- 6-55	.12 0 0
Issaquah Creek tributary No. 3	.....do.....	SW $\frac{1}{4}$ sec.15, T.23 N., R.6 E., $\frac{1}{4}$ mile above McDonald Creek.	-	8-29-45	.18
McDonald Creek tributary (formerly unnamed creek)	McDonald Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.23 N., R.6 E., at crossing of Benson Road 3 $\frac{1}{2}$ miles southwest of Issaquah.	.87	8-29-45 8-16-55 9- 6-55	0 0 0
McDonald Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.23 N., R.6 E., 600 ft above mouth, 3 $\frac{1}{2}$ miles south of Issaquah.	5.04	7- 6-45 7-21-45 8- 7-45 8-22-45 10-12-45 6-30-55 7-18-55 8- 8-55 9- 6-55 7-31-56	1.00 .89 .75 .57 .87 2.73 .96 .72 .58 .92
Issaquah Creek	Sammanish Lake	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.23 N., R.6 E., at gaging station "near Issaquah," (operated June 1945 to 1960).	27.0		
Fifteenmile Creek (formerly unnamed creek)	Issaquah Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.23 N., R.6 E., at county road crossing 3 $\frac{1}{2}$ miles south of Issaquah.	4.56	7- 6-45 7-21-45 8- 7-45 8-22-45 8-29-45 10-12-45 7- 1-55 7-18-55 8- 8-55 9- 7-55 7-31-56 7-20-59 8-24-59	2.10 2.10 1.32 1.07 1.27 2.58 17.0 3.47 4.21 1.66 2.03 1.98 1.61

bb Includes flow from Taylor drain ditch, Cedar River watershed.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Issaquah Creek tributary No. 4	Issaquah Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.23 N., R.6 E., at crossing of Issaquah-Ravensdale Road, 3 miles south of Issaquah.	0.37	9-14-45 8-18-55 9- 7-55	0.80 .13 .07
Issaquah Creek tributary No. 5	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.23 N., R.6 E., at crossing of Issaquah-Ravensdale Road, 2 miles south of Issaquah.	1.23	8-30-45 8-18-55 9- 7-55	0 .21 0
Issaquah Creek tributary No. 6	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.23 N., R.6 E., at county road crossing 1 mile south of Issaquah.	1.26	8-30-45 8-18-55 9- 7-55	.17 .19 .10
Issaquah Creek	Sammamish Lake	South line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.24 N., R.6 E., beneath bridge on U. S. Highway (alternate) 10 at Issaquah.	39.6	2-25-47	122
East Fork Issaquah Creek	Issaquah Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.24 N., R.7 E., at road crossing opposite junction of U. S. Highway 10, $\frac{1}{2}$ mile west of Preston.	.86	8-18-55 9- 7-55	.32 .14
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.24 N., R.6 E., at crossing of U. S. Highway 10 at High Point.	5.87	7-26-45 8- 4-45 8-22-45 7- 5-55 7-18-55 8- 8-55 9- 7-55 9- 5-56	1.72 1.86 .94 5.46 2.41 3.33 1.42 .63
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.24 N., R.6 E., at gaging station "at Issaquah," (operated June to Oct. 1945).	68.31	7- 5-55 7-18-55 8- 8-55 9- 7-55 9- 5-56 8-18-58 7-21-59 8-25-59	8.00 5.05 5.25 2.75 1.71 1.60 3.62 4.04
North Fork Issaquah Creek (formerly Jordan Creek)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.24 N., R.6 E., at road crossing $\frac{1}{2}$ mile north of Issaquah.	4.25	8-30-45 8-18-55 9- 8-55	.35 .98 .68
Issaquah Creek	Sammamish Lake	South line SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.24 N., R.6 E., at road crossing $1\frac{1}{2}$ miles north of Issaquah.	54.7	7- 6-45 7-21-45 8- 7-45 8-22-45 7- 6-55 7-18-55 8- 8-55 9- 8-55 7-31-45 8-18-58 7-21-59 8-25-59 8-18-58	40.6 42.6 29.6 28.2 74.9 54.3 50.2 35.1 35.9 26.6 42.8 40.7 26.6
Tibbets Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.24 N., R.6 E., at crossing of State Highway 2, $1\frac{1}{2}$ miles northwest of Issaquah.	3.90	9-11-45 2-24-47 6-27-55 7- 1-55 9- 8-55	.43 7.08 .72 .38 .26
Laughing Jacobs Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.24 N., R.6 E., at county road crossing $2\frac{1}{2}$ miles northwest of Issaquah.	5.05	8-30-45 2-24-47 8-18-55 9- 8-55	.10 7.37 .24 .20
Sammamish Lake tributary (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.24 N., R.6 E., at crossing of U. S. Highway 10, $3\frac{1}{2}$ miles northwest of Issaquah.	1.54	8-18-55 9- 9-55	.10 .20
Sammamish Lake tributary No. 2	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.24 N., R.5 E., at road crossing at Sammamish Camp.	.21	8-18-55 9- 9-55	.67 .72
Sammamish Lake tributary No. 3	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.24 N., R.5 E., at road crossing $\frac{1}{2}$ mile northwest of Sammamish Camp.	.34	9-12-45 8-18-55	.58 0
Phantom Lake Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.24 N., R.5 E., at crossing of State Highway 2D $4\frac{1}{2}$ miles southeast of Bellevue.	2.03	9-12-45 8-18-55 9- 9-55	Trace Trace 0

b Revised.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Sammamish Lake tributary No. 4	Sammamish Lake	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.24 N., R.6 E., at crossing of county road $\frac{1}{2}$ miles southwest of Inglewood.	2.05	8-18-55 9- 8-55	Trace 0
Sammamish Lake tributary No. 5	.....do.....	Near center sec.36, T.25 N., R.5 E., at crossing of State Highway 2D, 4 miles east of Bellevue.	.16	9- 9-55	Trace
Sammamish Lake tributary No. 6	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.25 N., R.6 E., at county road crossing $\frac{1}{4}$ mile south of Inglewood.	.29	9-12-45 8-18-55 9- 8-55	.59 0 Trace
Sammamish Lake tributary No. 7	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.25 N., R.6 E., at county road crossing $\frac{1}{2}$ mile south of Inglewood.	4.24	9-12-45 8-18-55 9- 8-55	Trace Trace 0
Sammamish Lake tributary No. 8	.....do.....	NW $\frac{1}{4}$ sec.29, T.25 N., R.6 E., at county road crossing, 0.3 mile north of Inglewood.	-	9-12-45 8-18-55 9- 8-55	Trace Trace Trace
Sammamish Lake tributary No. 9	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.25 N., R.5 E., at State Highway 2D, 2 miles south of Redmond.	.67	9- 9-55	Trace
Sammamish Lake tributary No. 10	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.25 N., R.5 E., at State Highway 2D, $\frac{1}{2}$ miles south of Redmond.	.12	8-17-55 9- 9-55	.03 .19
Bear Creek	Sammamish River	South line SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.26 N., R.6 E., at State Highway 2C $3\frac{1}{2}$ miles northeast of Hollywood.	5.14	7- 7-45 7-19-45 8- 3-45 8-21-45 9-13-45 10-12-45 7- 6-55 7-20-55 8-10-55 9- 8-55 10-11-55 9- 4-56 8-19-58 8- 4-59	4.47 5.08 4.48 3.88 4.38 11.6 9.68 6.57 5.94 6.04 14.1 4.22 5.10 6.18
Bear Creek tributary (formerly East Fork Bear Creek)	Bear Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.26 N., R.6 E., at State Highway 2C, 4 miles northeast of Hollywood.	.20	9-12-45 8-17-55	Trace Trace
Seidle Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.26 N., R.6 E., at county road crossing, $1\frac{1}{2}$ miles northeast of Avondale.	2.54	7-17-43 9-10-43 8-29-45 8-17-55 9- 8-55 8- 1-56	.26 5.26 .08 .31 .40 .48
Bear Creek	Sammamish River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.26 N., R.6 E., at gaging station "near Redmond," (operated June 1945 to Nov. 1949).	b13.9	7- 6-55 7-20-55 8-10-55 10-11-55 9- 4-56 8-19-58 8- 4-59	17.0 9.85 8.81 20.9 4.06 5.75 5.20
Daniels Creek	Cottage Lake	South line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.26 N., R.5 E., at highway crossing 2 miles northeast of Hollywood.	4.36	8-11-45 8-22-45 10-12-45 8-17-55 9- 8-55	.10 .04 .15 .10 Trace
Cottage Lake tributary (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.26 N., R.6 E., at highway crossing, 1,000 ft above Cottage Lake.	1.36	7- 7-45 7-19-45 8- 3-45 8-22-45 10-12-45 7-20-55 8- 9-55 9- 8-55	.31 .44 .30 .25 .33 .28 .28 .17
Cottage Lake tributary No. 2	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.26 N., R.6 E., at highway crossing 2 miles west of Hollywood.	.16	9-12-45 8-17-55	.56 .18
Cottage Lake Creek	Bear Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.26 N., R.6 E., at gaging station "near Redmond," (operated June to Sept. 1945, June 1955 to Sept. 1960).	10.7		

b Revised.

PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Cottage Lake Creek	Bear Creek	Southeast corner NW $\frac{1}{4}$ sec.30, T.26 N., R.6 E., at private bridge 200 ft above mouth, at White.	-	6-20-42 8- 4-42 10- 1-42 7-17-43 9- 9-43	12.0 6.05 7.24 7.74 11.0
Mackey Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.26 N., R.6 E., at county road crossing 1 mile east of Avondale.	1.40	8-29-45 8-18-55 9- 8-55	.62 .44 .61
Evans Creek	.....do.....	East line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.25 N., R.6 E., at State Highway 2, 2 $\frac{1}{4}$ miles east of Sammamish.	2.58	8-18-55 9- 7-55	.02 Trace
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.25 N., R.6 E., at county road crossing.	5.98		
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.25 N., R.6 E., at private road crossing 1 $\frac{1}{2}$ miles northeast of Sammamish.	7.04	7- 7-45 8-24-45 10-13-45 7- 6-55 7-19-55 8-11-55 9- 7-55 8- 1-56	1.56 1.55 3.12 2.14 1.07 1.19 1.05 1.32
Evans Creek tributary (formerly unnamed creek)	Evans Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.25 N., R.6 E., at State Highway 2, 2 miles east of Adelaide, (crest-stage gage "near Redmond").	2.46	7- 7-45 7-20-45 8- 7-45 8-24-45 10-13-45 1- 1-49 1-22-50 2- 9-51 2-10-51 2- 4-52 1-31-53 12- 2-53 1- 6-54 2- 8-55 2- 8-55 7- 6-55 7-19-55 8-11-55 9- 7-55 12-11-or 21-55 8- 1-56 2-25-57 1-17-58 1-25-59 12-16-59 11-25-60	+ .85 +1.42 +.57 +.45 +.44 20.9 32.2 59.7 +36.3 7.7 9.2 +6.67 32.2 20.8 +11.9 +1.53 +.85 +.72 +.51 27.8 +3.97 30.7 26.7 44 28 22
Evans Creek	Bear Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.25 N., R.6 E., at State Highway 2, 1 $\frac{1}{2}$ miles east of Adelaide.	9.88	2-17-49 1-22-50 2-10-51	81.0 115 182
Do.....	.....do.....	East line SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.25 N., R.6 E., at gaging station "near Redmond," (operated June to Oct. 1945).	b10.9	7- 6-55 7-19-55 8-11-55 9- 7-55 8- 1-56	8.41 6.50 5.88 5.66 5.90
Evans Creek tributary No. 2 (formerly Martin Creek)	Evans Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.25 N., R.6 E., at plank bridge 2 miles east of Redmond.	-	6-20-42 8- 4-42 10- 1-42 7-17-43 9- 9-43	.89 .49 .93 .54 .25
Evans Creek	Bear Creek	South line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.25 N., R.6 E., at gaging station "above mouth, near Redmond," (operated June 1955 to 1960).	13.0	6-20-42 8- 4-42 10- 1-42 7-17-43 9- 9-43 7- 7-45 7-20-45 8- 7-45 8-24-45 10-13-45	20.7 6.54 6.71 8.54 6.37 6.76 7.63 6.31 6.47 9.06
Bear Creek	Sammamish River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.25 N., R.6 E., at gaging station "at Redmond," (operated June 1945 to Nov. 1950, June 1955 to Oct. 1958).	b48.2	11- 1-38 11-28-38 1-30-39 2-16-39 3-15-39 7- 7-39	36.4 31.4 112 277 157 25.6

\* Discharge measurement.  
b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Bear Creek (Cont.)	Sammanish River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.25 N., R.5 E., at gaging station "at Redmond."		8-14-39 2-20-40 5- 1-40 5-22-40 6-22-40 7-27-40 8-28-40 9-23-40 11- 4-40 12-10-40 1-17-41 1-31-41 3-10-41 4-14-41 5-20-41 6-25-41 7-21-41 8-15-41 9-15-41 10-13-41 11- 5-41 12-15-41 2- 2-42 3-13-42 5- 4-42 6-19-42 8- 3-42 10- 1-42 11-17-42 1- 9-43 2-18-43 4- 6-43 6- 3-43 7-15-43 7-17-43 9- 9-43 11- 8-43 12-19-43 2-11-44 3-25-44 5- 6-44 6-23-44 8- 7-44 10- 3-44 11-21-44 1- 3-45 2-23-45 8-15-51 8- 3-59	17.3 101 173 37.3 23.6 34.1 19.4 18.4 37.4 91.0 170 76.6 47.2 41.6 53.6 25.2 18.5 16.5 35.4 40.5 36.1 80.4 112 82.6 50.4 70.8 20.2 24.1 112 78.3 90.3 126 36.3 23.6 23.0 18.1 35.1 26.9 90.0 60.8 46.2 25.5 18.0 23.3 30.2 39.9 75.8 18.0 20.4
Sammanish River	Lake Washington	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.25 N., R.5 E., at gaging station "near Redmond," (operated Jan. 1939 to Apr. 1957).	b150	11- 1-38 11-28-38	89.1 121
Bear Creek	Sammanish River	South line SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.27 N., R.5 E., at Maltby Road 0.6 mile west of Turner Corner, $3\frac{1}{2}$ miles north of Bothell.	6.38	7- 7-45 7-20-45 8- 3-45 8-16-45 9-11-45 10-12-45 6-29-55 7-31-55 8- 9-55 8-19-55 9- 8-55 8-31-55	3.15 4.00 3.18 3.05 3.20 4.19 15.9 4.20 4.37 4.29 3.71 4.58
Bear Creek tributary No. 2	Bear Creek	South line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.27 N., R.5 E., at county road 0.2 mile east of Bear Creek, 0.4 mile west of Turner Corner.	2.18	9-11-45	.41
Bear Creek	Sammanish River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.26 N., R.5 E., at gaging station "at Woodinville," (operated June to Sept. 1945).	b14.3	6-29-55 7-21-55 8- 9-55 9- 8-55 8-31-56 7-22-59 8-26-59	26.0 7.59 7.54 6.56 7.48 6.05 6.77
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.26 N., R.5 E., at first road bridge above mouth at Woodinville.	-	6-23-42 8-19-42 10- 1-42 7-16-43 9-10-43	9.22 4.89 7.85 7.19 3.69

b Revised.

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
North Creek	Samamish River	South line NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.28 N., R.5 E., at road crossing $\frac{1}{4}$ mile northwest of Murphys Corner.	2.57	9-11-45 8-15-55	0 0
North Creek tributary (formerly Silver Lake Creek)	North Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.28 N., R.5 E., at county road crossing $\frac{1}{2}$ mile northwest of Murphys Corner.	-	9-11-45	0
North Creek	Samamish River	South line SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.27 N., R.5 E., at road crossing $\frac{1}{4}$ mile west of Wintermutes Corner.	6.81	7- 7-45 7-20-45 8- 2-45 8-18-45 10-12-45 7-21-55 8- 9-55 9- 7-55	1.00 1.33 1.17 1.16 1.63 1.61 1.74 1.32
Penny Creek (formerly Thomas Lake Creek)	North Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.27 N., R.5 E., at highway crossing at Wintermutes Corner.	5.10	7- 7-45 7-20-45 8- 2-45 8-18-45 10-12-45	.90 1.13 .92 .83 .92
North Creek tributary No. 2	.....do.....	East line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.27 N., R.5 E., at highway crossing at Kennard Corner.	4.20	7- 7-45 7-20-45 8- 2-45 8-18-45 10-12-45	.61 .64 .67 .54 .67
North Creek	Samamish River	At center of south line sec.29, T.27 N., R.5 E., at gaging station "near Bothell," (operated June 1945 to 1960).	24.6		
Do.....	.....do.....	South line of SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.26 N., R.5 E., at county road crossing 1 mile northeast of Bothell.	27.7	6-23-42 8-19-42 10- 2-42 7-16-43 9-10-43 9-11-45	15.9 6.06 10.9 9.03 6.12 8.91
Samamish River	Lake Washington	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.26 N., R.5 E., at gaging station "at Bothell," (operated Oct. 1939 to 1960).	212		
Swamp Creek	Samamish River	South line SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.27 N., R.4 E., at 164th Street $3\frac{1}{2}$ miles northeast of Lynnwood.	6.51	9-11-45	.63
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.27 N., R.4 E., at road crossing 3 miles southeast of Lynnwood.	11.7	7- 7-45 7-20-45 8- 2-45 8-18-45 9-11-45 10-12-45 7-21-55 8-19-55 9- 7-55	2.04 2.19 2.16 2.07 2.36 2.19 .03 2.71 2.23
Scriber Lake Creek	Swamp Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.27 N., R.4 E., at road crossing 2 miles southeast of Lynnwood.	3.77	9-11-45 8-19-55 9- 7-55	.25 .19 .55
Swamp Creek	Samamish River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.26 N., R.4 E., at gaging station "near Bothell," (operated June to Oct. 1945).	b21.1	6-28-55 7-21-55 8- 9-55 9- 7-55 5-16-56 8-31-56 8-19-58 7-22-59 8-26-59	14.7 4.51 4.51 3.76 13.3 4.69 3.32 3.82 3.74
Do.....	.....do.....	East line SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.26 N., R.4 E., at State Highway 2, $1\frac{1}{2}$ miles southwest of Bothell.	23.1	6-23-42 8-19-42 10- 2-42 7-16-42 9-10-42	11.5 2.48 4.79 4.48 3.56
Lake Washington tributary (formerly unnamed creek)	Lake Washington	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.26 N., R.4 E., $\frac{1}{4}$ mile above mouth at Kenmore.	1.74	8-29-45 8-15-55 9- 7-55	.13 .09 .11

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Lyon Creek	Lake Washington	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.26 N., R.4 E., at 178th Street, 1 mile west of Kenmore.	-	6-28-55 7-21-55 8- 8-55 8-26-55 9- 7-55 5-16-56 8-31-56 8-19-58 7-23-59 8-26-59	2.60 1.26 1.20 1.05 .82 2.01 1.33 .77 1.04 1.12
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.26 N., R.4 E., at crossing of Bothell way 1 mile southwest of Kenmore.	3.67	6-23-42 8-19-42 10- 2-42 7- 7-45 7-16-45 8- 2-45 8-17-45 10-11-45	1.92 .84 1.01 .86 1.40 .98 1.08 1.19
McAleer Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.27 N., R.4 E., at outlet of Lake Ballinger, $\frac{1}{2}$ mile west of Mountlake Terrace.	5.09	5-25-53 6- 3-53 6-17-53 6-29-53 7- 8-53 7-21-53 8- 3-53 8-12-53 8-19-53	3.59 1.51 2.53 1.41 1.14 .23 .11 .10 .06
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.26 N., R.4 E., at crossing of State Highway 2B $\frac{1}{2}$ mile below Lake Ballinger.	-	7- 9-45 7-16-45 8- 2-45 8-17-45 10-11-45	.58 .55 .52 .44 .77
Do.....	.....do.....	East line SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.26 N., R.4 E., at crossing of 15th Avenue northeast, 1 mile below Lake Ballinger.	6.21	6-28-55 7-21-55 8- 8-55 8-26-55 9- 7-55	1.94 1.31 1.55 1.54 1.30
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.26 N., R.4 E., at gaging station "near Bothell," (operated June 1945 to Nov. 1949).	b6.92	6-28-55 7-21-55 8- 8-55 8-26-55 9- 7-55 5-16-56 8-31-56 8-19-58 7-22-59 8-26-59	5.49 3.36 4.14 3.17 3.58 6.45 4.22 3.60 2.24 2.22
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.26 N., R.4 E., at crossing of State Highway 2, $\frac{1}{4}$ mile above mouth.	-	6-23-42 8-19-42 10- 2-42 7-16-43 9-10-43	4.76 2.54 3.80 4.17 3.28
Thornton Creek	.....do.....	East line SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.26 N., R.4 E., at crossing of 5th Avenue northeast, 0.3 mile south of East 145th Street in Seattle.	-	7-16-43 9-10-43	.47 10.3
Do.....	.....do.....	South line SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.26 N., R.4 E., at crossing of East 125th Street, State Highway 1J, in Seattle.	5.75	7- 9-45 7-16-45 8- 4-45 8-21-45 6-29-55 7-22-55 8- 8-55 8-19-55 8-26-55 9- 7-55	.79 1.69 11.2 .52 9.26 Trace .03 2.64 4.20 2.44
Little Brook Creek	Thornton Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.26 N., R.4 E., at mouth just below East 115th Street in Seattle.	.88	6-24-42 8-20-42 8-29-42 10- 2-42	.45 .08 .12 .10
Thornton Creek	Lake Washington	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.26 N., R.4 E., below crossing of East 110th Street in Seattle.	7.50	7- 9-45 7-16-45 8- 4-45 6-29-55 7-22-55 8- 8-55	2.09 3.00 6.07 10.2 3.09 4.11

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake Washington basin--Continued					
Thornton Creek (Cont.)	Lake Washington	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.26 N., R.4 E., below crossing of East 110th Street in Seattle.		8-26-55 9- 7-55 8- 4-59	3.88 6.77 2.23
Maple Leaf Creek	Thornton Creek	South line NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.26 N., R.4 E., at crossing of Bothell Way, State Highway 2, at Seattle.	2.91	7-16-45 8- 4-45 8-17-45 10-11-45 7-22-55 8- 8-55 8-26-55 9- 7-55	1.56 1.52 1.56 2.09 1.97 2.20 2.43 1.78
Maple Leaf Creek tributary (formerly unnamed creek)	Maple Leaf Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.26 N., R.4 E., at crossing of East 98th Street at Seattle.	-	8-29-45 8-19-55	.78 .06
Maple Leaf Creek	Thornton Creek	East line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.26 N., R.4 E., at east edge of Meadowbrook Golf Course at 35th Avenue Northeast at Seattle.	3.70	6-24-42 8-20-42 10- 2-42 7-16-43 9-10-43 7- 9-45 7-16-45 8- 4-45 8-17-45 10-11-45 7-22-55 8- 8-55 8-26-55 9- 7-55 8- 4-59	3.19 2.02 3.16 2.19 3.24 2.12 2.87 2.58 2.39 3.62 2.78 2.73 2.46 2.33 2.47
Thornton Creek	Lake Washington	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.26 N., R.4 E., at gaging station "near Seattle," (operated June 1945 to Sept. 1946, reestablished May 1962).	12.1	11- 2-46 6-29-55 7-22-55 8- 8-55 8-26-55 9- 7-55 7-31-56 8-18-56 8- 4-59	20.2 16.7 7.90 9.63 6.19 12.6 5.17 4.76 5.22
Thornton Creek tributary (formerly unnamed creek)	Thornton Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.26 N., R.4 E., at mouth.	-	6-24-42 8-20-42 10- 2-42	.48 .47 .48
Thornton Creek	Lake Washington	East line NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.26 N., R.4 E., just below small tributary entering from right, 600 ft above mouth.	-	6-24-42 8-20-42 10- 2-42 7-16-43 9-10-43	11.9 3.90 14.5 6.22 12.8
Gate No. 2 of Lake Washington Ship Canal	.....do.....	At Ballard Locks at Seattle.	-	10-24-39 3-23-40 3-29-40 3-30-40	103 1,020 1,580 338
Minor basins between Lake Washington and Snohomish River					
Lunds Gulch (formerly Keeney Creek)	Puget Sound	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.27 N., R.4 E., at Great Northern Railroad crossing, $\frac{1}{2}$ mile north of Meadowvale.	2.71	8-21-46 9-25-46 8-19-57 9- 9-57	.63 .80 1.29 0
Norma Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.28 N., R.4 E., at mouth 0.9 mile north of Meadowvale.	.87	7-11-46 7-24-46 8- 2-46 8-15-46 8-27-46 9-11-46 9-25-46 10-16-46 7-26-57 8-19-57 8- 9-57 8-18-58 7-23-58 8-27-58	.93 .56 .63 .61 .59 .60 .56 .61 .75 .60 .66 .79 .55 .62

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Lake Washington and Snohomish River--Continued					
Picnic Creek	Puget Sound	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.28 N., R.4 W., 200 ft above Great Northern Railroad crossing at Picnic Point.	2.56	8-21-46 9-25-46 8-19-57 9- 9-57	.41 .44 .88 .92
Jap Gulch Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.29 N., R.4 E., at highway crossing at east edge of Mukilteo.	1.71	7-11-46 7-24-46 8- 2-46 8-15-46 8-27-46 9-11-46 9-25-46 10-16-46 6-28-57 7-26-57 8-19-57 7-23-59 8-27-59	1.14 .81 .89 .76 .87 .92 .84 .90 .68 .42 .50 .58 .72
Puget Sound tributary No. 7	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.29 N., R.4 E., at crossing of State Highway 11, 0.4 mile east of Mukilteo.	b.21	8-21-46 9-28-46 8-19-57 9- 9-57 7-23-59 8-27-59 9-22-60	.29 .45 .27 .71 .25 .28 .30
Powder Mill Gulch Creek	.....do.....	South line NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.29 N., R.4 E., at gaging station "near Mukilteo," (operated June to Oct. 1946).	b2.11	7- 2-57 7-26-57 8-19-57 9- 9-57 8-18-58	2.76 3.17 2.15 2.09 4.36
Merrill and Ring Creek	.....do.....	Center of sec.35, T.29 N., R.4 E., at crossing of State Highway 11, 1 $\frac{1}{2}$ miles northeast of Mukilteo.	b1.19	8-21-46 9-26-46 8-20-57 9-10-57 7-23-59 8-27-59 9-22-60	.35 .29 .30 0 .43 .48 .63
Puget Sound tributary No. 8	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.29 N., R.4 E., at crossing of State Highway 11, 1 $\frac{1}{2}$ miles west of Everett city limits.	.56	8-21-46 9-26-46 9-10-57	.92 .95 .37
Pigeon Creek No. 2	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.29 N., R.4 E., at Great Northern Railroad crossing 1 mile west of Everett.	1.44	7-11-46 7-23-46 8- 2-46 8-15-46 8-27-46 9-11-46 9-25-46 10-16-46 6-28-57 7-26-57 9-10-57 7-23-59 8-27-59 9-22-60	2.14 1.76 2.05 1.91 1.72 1.74 2.10 2.14 1.04 1.05 .97 2.01 1.95 1.75

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge
Skykomish (Snohomish) River basin					
Tye River	South Fork Skykomish River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.26 N., R.13 E., above Deception Creek $5\frac{1}{2}$ miles southwest of Stevens Pass.	25.0	10- 6-11	33.8
Deception Creek	Tye River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.26 N., R.13 E., near mouth $5\frac{1}{2}$ miles southwest of Stevens Pass.	25.6	10- 6-11	28.6
Tye River	South Fork Skykomish River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.26 N., R.12 E., at gaging station "near Skykomish," (operated Aug. 1929 to Sept. 1931, July to Oct. 1946).	b80.2	10- 9-11	102
East Fork Foss River	Foss River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.25 N., R.12 E., at gaging station "near Skykomish," (operated May to July 1911; records not published).	21.6	5-21-11 8-22-11 9-27-11 10- 9-11 6-12-12	114 130 73.5 63.0 414
West Fork Foss River	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.25 N., R.12 E., at outlet of Trout Lake $6\frac{1}{2}$ miles southeast of Skykomish.	13.2	10- 8-11	24.7
Foss River	South Fork Skykomish River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.26 N., R.12 E., at gaging station "near Skykomish," (operated May 1911 to Jan. 1912).	b54.0	2-21-12	254 <sup>a</sup>
Do.....	.....do.....	NE $\frac{1}{4}$ sec.31, T.26 N., R.12 E., at highway bridge 500 ft above mouth, $2\frac{1}{2}$ miles east of Skykomish.	55.4	11-22-59	†7,370
South Fork Skykomish River	Skykomish River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.26 N., R.12 E., at gaging station "near Skykomish," (operated Aug. 1929 to Sept. 1931, July 1946 to Dec. 1950. Annual peaks 1951 to 1960).	135	2- 9-51 10- 3-51 1-31-53 5-19-54 6-11-55 12-11-55 12- 9-56 6- 3-58 11-18-58 11-22-59	14,000 5,500 9,020 4,730 5,750 9,420 10,800 3,380 8,320 20,000
Beckler River	South Fork Skykomish River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.27 N., R.12 E., above Rapid River, 7 miles northeast of Skykomish.	25.4	10- 7-11	25.6
Rapid River	Beckler River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.39, T.27 N., R.12 E., at mouth.	42.0	10- 7-11	46.7
Beckler River	South Fork Skykomish River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.26 N., R.12 E., at gaging station "near Skykomish," (operated Sept. 1929 to Aug. 1933, July 1946 to Nov. 1949). Subsequent annual peak discharge from high-water marks, 1950 to 1953, 1960, and crest-stage gage 1954 to 1959.	96.5	11-27-49 2- 9-51 10- 3-51 1-31-53 5-19-54 6-11-55 11- 4-55 12- 9-56 6- 3-58 4-29-59 12-15-59	9,600 11,800 4,500 6,430 3,220 4,360 7,900 6,820 2,780 6,660 17,100
Beckler River	South Fork Skykomish River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.26 N., R.11 E., at mouth.	101	10- 7-11	109
South Fork Skykomish River	Skykomish River	SW $\frac{1}{4}$ sec.26, T.26 N., R.11 E., at highway bridge at Skykomish.	243	8-23-10	453
Maloney Creek	South Fork Skykomish River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.26 N., R.11 E., at mouth at Skykomish.	3.69	8-23-46 9-27-46	.23 .04
Dorothy Creek	East Fork Miller River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.24 N., R.11 E., at outlet of Dorothy Lake 8 miles south of Skykomish.	6.19	10-11-11 10- 9-20 10-10-20 10-10-20 10-10-20 10-11-20 10-11-20 10-12-20 10-12-20 10-13-20 10-13-20 10-14-20 10-14-20 10-15-20 10-15-20 10-16-20 10-16-20	7.40 72.1 53.4 54.1 52.8 56.6 59.9 64.4 65.0 55.6 54.4 66.8 71.2 66.8 65.5 59.7 55.7

† Peak flow.  
b Revised.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skykomish River basin--Continued					
East Fork Miller River	Miller River	Near center of sec.34, T.24½ N., R.11 E., below Smith Creek, 7 miles south of Skykomish.	14.0	10-11-11	16.0
Do.....	.....do.....	SE¼SE¼ sec.9, T.25 N., R.11 E., at mouth 2½ miles southwest of Skykomish.	26.6	10-10-11	26.0
West Fork Miller River	.....do.....	NW¼NE¼ sec.16, T.25 N., R.11 E., ½ mile above East Fork, 3 miles southwest of Skykomish, (operated as stage station "West Fork of Miller Creek near Berlin" May to Sept. 1911)	13.4	5-23-11 7-26-11 9-28-11	136 37.5 24.1
Miller River	South Fork Skykomish River	East line of SE¼SW¼ sec.28, T.26 N., R.11 E., at gaging station "at Miller River," (operated May 1911 to Sept. 1919, Dec. 1928 to Sept. 1931, July to Oct. 1946. Published as Miller Creek "near Berlin" 1911 to 1917).	45.6	9-19-20	187
South Fork Skykomish River tributary (formerly unnamed creek)	.....do.....	NW¼SE¼ sec.21, T.26 N., R.11 E., at U. S. Highway 2, 1.3 miles southeast of Grotto.	1.35	9-27-46	.43
South Fork Skykomish River tributary No. 2	.....do.....	SE¼NW¼ sec.21, T.26 N., R.11 E., at U. S. Highway 2, 1.1 miles southeast of Grotto.	-	9-27-46	.27
Money Creek	.....do.....	SW¼NW¼ sec.21, T.26 N., R.11 E., at railroad crossing above bridge over South Fork Skykomish River, ½ mile southeast of Grotto.	15.0	8-23-46 9-27-46	3.62 cc Trace
South Fork Skykomish River	Skykomish River	SE¼NE¼ sec.20, T.26 N., R.11 E., at gaging station "near Berlin." (Fragmentary gage-height record only collected 1910 to 1911).	313	9-27-10 11-16-10 12-15-10 2- 6-11 2-21-11 3-18-11 5-24-11 7-24-11 9-28-11 10-10-11 11-27-11	310 1,670 1,020 520 430 1,020 2,210 1,100 604 424 3,190
South Fork Skykomish River tributary No. 3	South Fork Skykomish River	NW¼SE¼ sec.18, T.26 N., R.10 E., at U. S. Highway 2, 0.7 mile northwest of Grotto.	-	9-27-46	.23
South Fork Skykomish River tributary No. 4	.....do.....	NW¼SE¼ sec.2, T.26 N., R.10 E., at U. S. Highway 2 at Baring, (crest-stage gage, "Skykomish River, South Fork tributary at Baring").	1.29	2-10-51 2- 4-52 1-23-53 12- 9-53 2- 8-55 12-11-55 12- 9-56 1-16-58 11-11-58 12-15-59	143 40.0 87.0 89.0 107 157 217 71.2 165 196
Barclay Creek	.....do.....	SE¼NE¼ sec.34, T.27 N., R.10 E., at crossing of U. S. Highway 2, 1½ miles northwest of Baring.	8.33	8-23-46 9-27-46	10.4 12.1
South Fork Skykomish River	Skykomish River	SE¼NW¼ sec.28, T.27 N., R.10 E., at staff gage at measuring cable site.	353		
Do.....	.....do.....	NW¼NE¼ sec.29, T.27 N., R.10 E., at gaging station "near Index," (operated Oct. 1902 to Sept. 1905, May 1911 to 1960).	355	4-26-11	3,060
North Fork Skykomish River	Skykomish River	SE¼NW¼ sec.19, T.28 N., R.12 E., above West Cady Creek.	34.6	10-13-11	46.7
West Cady Creek (formerly Cady Creek)	North Fork Skykomish River	SE¼NW¼ sec.19, T.28 N., R.12 E., above mouth.	17.8	10-13-11	18.5
Troublesome Creek	North Fork Skykomish River	NW¼ sec.15, T.28 N., R.11 E., at old cable site of gaging station "near Index," (operated July 1929 to Sept. 1941).	b10.8	10-15-41 8-21-46 10-15-46	143 78.9 16.7

b Revised.  
cc Beaver dam upstream.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skykomish River basin--Continued					
Troublesome Creek	North Fork Skykomish River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.28 N., R.11 E., at mouth.	12.9	10-13-11	36.9
Howard Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.28 N., R.10 E., at road crossing at mouth 7 miles northeast of Index.	3.02	8-21-46	4.90
Lost Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.28 N., R.10 E., at road crossing near mouth, 7 miles northeast of Index.	-	8-21-46	0
North Fork Skykomish River tributary (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ sec.36, T.28 N., R.10 E., at road crossing 2.4 miles below Howard Creek, 5 miles northeast of Index.	-	8-21-46	.65
Trout Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.28 N., R.10 E., at mouth 300 ft below road crossing 4 $\frac{1}{4}$ miles northeast of Index.	15.2	8-22-46	40.6
Bitter Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.27 N., R.10 E., at road crossing 2 $\frac{1}{2}$ miles northeast of Index.	1.62		
Lewis Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.27 N., R.10 E., at road crossing 1 $\frac{1}{2}$ miles east of Index.	1.93	8-21-46 10-15-46	4.42 1.60
North Fork Skykomish River	Skykomish River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.27 N., R.10 E., at gaging station "at Index," (operated Oct. 1910 to Sept. 1922, Feb. 1929 to Sept. 1938, July 1946 to Sept. 1948).	b146	8-24-10 9-27-10 9-22-24 2-20-29 10- 8-38 10-12-48 8-17-51	279 168 169 204 102 875 220
Deer Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.27 N., R.10 E., at Great Northern Railroad crossing 1 mile west of Index.	3.12		
Skykomish River tributary (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.27 N., R.9 E., at U. S. Highway 2 crossing, 1 $\frac{1}{2}$ miles west of Index.	-	9-27-46	.39
Anderson Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.27 N., R.9 E., at mouth, at crossing of U. S. Highway 2, 1 $\frac{1}{2}$ miles west of Index.	3.53	8-23-46 9-27-46	18.7 11.6
No Name Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.27 N., R.9 E., at crossing of U. S. Highway 2, 2 $\frac{1}{2}$ miles west of Index.	.62	8-23-46 9-27-46	1.25 .63
Austin Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.27 N., R.10 E., at road crossing 2 $\frac{1}{2}$ miles northwest of Index.	1.01	8-21-46 9-25-46	8.46 6.70
Hogarty Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.27 N., R.9 E., at county road bridge, 3 $\frac{1}{2}$ miles east of Gold Bar.	1.64	8-21-46 9-25-46	2.41 2.20
Proctor Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.27 N., R.9 E., at crossing of U. S. Highway 2, 2 $\frac{1}{2}$ miles southeast of Gold Bar.	9.46	7-13-46 7-22-46 7-31-46 8-12-46 8-26-46 9-10-46 9-25-46 10-14-46	30.4 25.6 14.4 8.03 3.96 2.97 3.81 3.05
Skykomish River	Snohomish River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.27 N., R.9 E., at gaging station "near Gold Bar," (operated Sept. 1928 to 1960).	535		
Skykomish River tributary No. 2	Skykomish River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.27 N., R.9 E., at county road bridge $\frac{1}{4}$ mile south of Gold Bar.	-	7-12-46 8-20-46 9-12-46 8- 5-57 8-26-57	1.34 .11 .06 .23 .25
Skykomish River tributary No. 3	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.27 N., R.8 E., at crossing of Mann Road, $\frac{1}{4}$ mile south of Gold Bar.	1.65	8-20-46 9-12-46 9-24-46 8-26-57 8-20-58	.18 .15 .14 .18 .03

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skykomish River basin--Continued					
Krieger Creek	Skykomish River	NW $\frac{1}{4}$ sec.12, T.27 N., R.8 E., at county road crossing $1\frac{1}{2}$ miles southeast of Startup.	0.98	8-20-46 9-12-46 9-24-46 10-15-46 6-21-57 7-12-57 8- 5-57	0.13 .17 .25 1.58 3.75 .34 1.25
Krieger Creek tributary (formerly unnamed creek)	Krieger Creek	NW $\frac{1}{4}$ sec.12, T.27 N., R.8 E., at county road crossing $1\frac{1}{2}$ miles south of Startup.	-	7-13-46 7-23-46 7-31-46 8-12-46 8-26-46 9-10-46 9-24-46 7-12-57	4.71 2.58 1.77 1.43 .78 1.01 1.30 1.47
Johnson Creek	Skykomish River	Center of south line of sec.3, T.27 N., R.8 E., at crossing of Mann Road $1\frac{1}{2}$ miles southwest of Startup.	1.14	7-13-46 7-23-46 7-31-46 8-12-46 8-26-46 9-10-46 9-24-46 10-15-46 6-21-57 7-12-57 8- 5-57 8-20-58 7-23-59 8-25-59 9-14-60	1.33 .63 .38 .54 .18 .25 .45 .85 1.66 .40 .54 .13 .54 .26 1.00
Skykomish River tributary No. 4	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.27 N., R.8 E., at crossing of Mann Road $1\frac{1}{2}$ miles southeast of Sultan.	1.18	7-12-46 8-20-46 8-26-57	.78 Trace 0
Wallace River	.....do.....	About NW $\frac{1}{4}$ sec.34, T.28 N., R.9 E., 300 ft above trail crossing, about 2 $\frac{1}{2}$ miles northeast of Gold Bar.	-	4-16-13 8-31-13 8-16-14 7- 5-15	98.8 9.91 5.22 18.9
North Fork Wallace River	Wallace River	About SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.28 N., R.8 E., $\frac{1}{2}$ mile below Lake Wallace.	-	8-17-14 7- 4-15 7-17-21 8- 9-21 7-14-24	2.53 9.21 11.5 3.75 4.66
North Fork Wallace River	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.28 N., R.9 E., just below east branch, $\frac{1}{4}$ mile above mouth, and 2 $\frac{1}{4}$ miles northeast of Gold Bar.	5.55	12- 9-31 8-21-46	11.1 10.3
Robinson Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.27 N., R.9 E., at mouth 1 mile northeast of Gold Bar.	-	8-22-46 9-13-46 7-25-46 8-28-57 9-26-57	2.16 1.54 1.25 .90 .84
Wallace River	Skykomish River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.27 N., R.9 E., at gaging station "at Gold Bar," (operated Oct. 1928 to Sept. 1933, July 1946 to 1960). Gage-heights for period July 1913 to Dec. 1925 are in office files and not published.	19.0	6-27-13 8-24-13 8-30-13 10-26-13 11- 8-13 4-12-14 4-13-14 8-15-14 9- 4-14 7- 5-15 5-26-18 7- 1-18 8- 4-18 9- 8-18 9-29-18 5-30-19 8-24-19 8-24-19 11-17-19 5-30-21 8-16-21 7- 9-22 7-30-22 10-15-22 4-22-23 6-10-23 8-19-23	257 29.8 24.1 108 213 184 470 16.6 11.9 42.1 126 62.4 28.4 25.6 15.9 158 15.0 13.0 400 236 19.6 52.0 21.4 24.6 134 201 13.2

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skykomish River basin--Continued					
Wallace River (Cont.)	Skykomish River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.27 N., R.9 E., at gaging station "at Gold Bar."		7-31-24 7-12-25 10-11-25 6-18-26 8-31-26 1-10-34	19.7 35.4 9.25 34.0 58.9 198
Olney Creek	Wallace River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.28 N., R.8 E., at gaging station "near Gold Bar," (operated July 1946 to Nov. 1950. Operated as crest-stage gage since 1951).	b8.31	2- 9-51 1-23-53 10-31-53 11-16-54 12-11-55 10-15-56 6-21-57 8- 6-57 - -58 11-12-58 7-21-59 8-25-59 12-15-59 9-14-60	3,530 1,750 720 1,210 1,090 1,080 ‡31.4 ‡24.3 846 1,480 ‡11.7 ‡9.81 994 ‡17.3
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.28 N., R.8 E., at gaging station "near Startup," (operated Oct. 1922 to Oct. 1926, Feb. 1929 to Nov. 1933).	b10.3	9-27-22 11- 2-26 8- 2-46 8-14-46 8-26-46 9-10-46 9-25-46 10-14-46 6-23-48 7-28-48 8-26-48 10-13-48 1-31-49 4-12-49 9- 1-49 7-16-57 8- 6-57 7-29-59 8-25-59 9-14-60	36.1 23.5 13.9 12.8 8.04 9.34 12.0 20.4 103 74.2 114 39.8 17.0 94.5 15.0 30.8 19.8 15.5 10.8 19.5
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.28 N., R.8 E., at road crossing at camp grounds $\frac{3}{4}$ miles north of Startup.	-	8-20-58	4.38
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.28 N., R.8 E., at crossing of private logging road $2\frac{1}{2}$ miles northeast of Startup.	16.5	8-22-46 9-12-46 9-26-46 8-28-57 9-25-57	12.4 12.2 13.5 12.9 8.55
May Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.28 N., R.9 E., at outlet of Lake Isabel.	3.26	7-30-46 9- 9-46 10-16-46	19.3 3.32 7.21
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.27 N., R.9 E., at gaging station "near Gold Bar," (operated Sept. 1928 to Dec. 1934, Oct. 1945 to Sept. 1947).	b3.80	10- 1-47	3.79
Do.....	.....do.....	West line NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.27 N., R.9 E., at county road crossing 2 miles east of Gold Bar.	6.49	8-22-46 9-25-46 8-28-57 9-27-57 8-20-58	2.70 2.83 2.16 .30 3.36
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.27 N., R.8 E., at county bridge at Gold Bar.	9.45	7-13-46 7-22-46 7-31-46 8-14-46 8-26-46 9-10-46 9-25-46 10-14-46 7-15-57 8- 6-57 9-25-57 7-22-59 8-25-59 9-14-60	54.8 41.6 25.0 14.6 9.95 9.08 9.11 11.2 47.7 16.8 5.80 41.9 11.7 20.3

b Revised.  
‡ Discharge measurement.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skykomish River basin--Continued					
Bear Creek	Wallace River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.28 N., R.8 E., at crossing of Kellogg Lake Road 1 $\frac{1}{2}$ miles north of Startup.	3.30	7-13-46 7-22-46 7-31-46 8-14-46 8-26-46 9-10-46 9-25-46 10-14-46 6-20-57 7-16-57 8- 6-57 9-25-57 7-23-59 8-25-59 9-14-60	11.9 4.51 7.31 2.22 3.84 4.69 3.12 5.09 11.3 7.14 6.89 4.03 11.3 6.76 8.45
Wagleys Creek	Skykomish River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.28 N., R.8 E., at crossing of U. S. Highway 2 at Sultan.	3.10	8-22-46 9-26-46 8-27-57 9-26-57	.58 .85 .63 .45
Skykomish River	Snohomish River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.27 N., R.8 E., at gaging station "at Sultan," (operated Oct. 1910 to Sept. 1911).	618	9-26-10 11-21-11 12- 6-11	624 12,400 3,790
Skykomish River tributary No.'5	Skykomish River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.27 N., R.8 E., at crossing of Mann Road 1 mile south of Sultan.	.73	9-12-46 8-26-57	Trace .05
Sultan River	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.29 N., R.8 E., at gaging station "near Startup," (operated May 1934 to 1960).	74.5	9-25-22 8- 9-31	131 88.9
City of Everett water supply (old conduit)	Sultan River (diverts from right side)	In sec.32, T.29 N., R.8 E., below diversion dam in vicinity of gate keeper's house.	-	7-28-24 7-29-24 7-29-24 7-30-24 7-30-24 7-31-24 12-17-24 12-18-24 12-19-24 12-20-24 5-27-25 8-14-25 9-30-25 10-19-25 2-10-26 5-20-26 6-17-26 8- 4-26 9-13-29 8- 9-31	17.8 18.3 15.6 18.0 17.8 16.4 18.6 18.4 16.6 16.2 16.8 17.8 17.3 16.5 21.3 17.3 15.6 19.8 15.9 17.1
Sultan River	Skykomish River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.28 N., R.8 E., at gaging station "at Camp Harbeckers, near Sultan," (operated Aug. 1911 to Dec. 1917 by Arnold Engineer Company).	-	8- 4-15 8- 4-15	122 126
Marsh Creek (formerly Miners Creek)	Sultan River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.28 N., R.8 E., at mouth 4 $\frac{1}{2}$ miles north of Sultan.	6.38	9-16-17 9-26-46 8-28-57	2.12 2.07 2.07
Sultan River	Skykomish River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.28 N., R.8 E., at gaging station "near Sultan," (operated Oct. 1915 to Oct. 1926, Feb. 1929 to Sept. 1931).	b86.6		
Chaplain Creek	Sultan River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.28 N., R.8 E., at outlet of Lake Chaplain.	3.04	6-15-31 8- 9-31 7-17-57	91.4 144 1.17
Cascade Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.28 N., R.8 E., at road crossing 3 miles north of Sultan.	1.30	10- 3-16 8-21-46 9-26-46 8-25-57 9-26-57	1.41 1.15 .85 0 0
Woods Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.28 N., R.8 E., at road culvert, 2 $\frac{1}{2}$ miles north of Sultan.	3.32	10- 3-16 7-17-57	6.40 .52
Winters Creek	.....do.....	West line SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.28 N., R.8 E., at crossing of Trout Farm Road $\frac{1}{2}$ mile north of Sultan.	2.23	8-21-46 9-12-46 9-26-46 6-21-57	1.23 1.52 1.40 2.81

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skykomish River basin--Continued					
Winters Creek (Cont.)	Sultan River	West line SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.28 N., R.8 E., at crossing of Trout Farm Road $\frac{1}{2}$ mile north of Sultan.		7-15-57 8- 7-57	2.22 1.10
Sultan River	Skykomish River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.27 N., R.8 E., at crossing of U. S. Highway 2 at Sultan.	106	3-17-11 6-19-11 7-22-11 9-30-11 9-14-14 9-26-15 10- 3-16 7-22-57 8-12-57 7-23-59 8-25-59 9-15-60	682 692 322 217 91.2 77.8 178 163 92.4 241 27.3 41.6
McCoy Creek	.....do.....	SW $\frac{1}{4}$ sec.15, T.27 N., R.8 E., at road crossing $\frac{1}{2}$ mile above Tomvit Lake, $3\frac{1}{2}$ miles southwest of Startup.	1.59	8-20-46 9-13-46 9-26-46 8-27-57	.95 1.05 1.29 .98
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.27 N., R.8 E., at gaging station "near Sultan," (operated July 1946 to Nov. 1950).	5.87	6-20-57 7-12-57 8- 2-57 8-20-58 7-23-59 8-25-59 9-15-60	15.4 3.29 2.85 6.87 5.24 2.16 5.08
Youngs Creek	Elwell Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.27 N., R.8 E., above falls, 1,000 ft below Crandall Creek, $3\frac{1}{2}$ miles south of Sultan.	12.9	8-21-46 9-13-46 9-26-46 8-27-57	5.69 5.35 6.65 5.49
Elwell Creek	Skykomish River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.27 N., R.7 E., at gaging station "near Sultan," (operated June to Oct. 1946).	22.1	6-20-57 7-11-57 8- 5-57 8-20-58 7-23-59 8-25-59 9-15-60	50.6 16.7 12.5 4.26 13.2 7.09 13.6
Barr Creek (formerly Howard Creek)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.27 N., R.7 E., at crossing of Ben Howard Road $2\frac{1}{2}$ miles southeast of Monroe.	3.40	7-12-46 7-23-46 8- 2-46 8-12-46 8-27-46 9-10-46 9-24-46 10-14-46 6-19-57 7-11-57 8- 2-57 8-20-58	1.64 .25 .17 .17 Trace Trace Trace .22 6.03 .91 .44 0
Woods Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.29 N., R.7 E., at crossing of Lyon Road 8 miles northwest of Sultan.	5.72	8-23-46 8-30-57	.15 .16
Woods Creek tributary (formerly unnamed creek)	Woods Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.29 N., R.7 E., at crossing of Lyon Road 8 miles northwest of Sultan.	3.57	8-20-46 9-11-46 9-27-46 8-30-57 9-27-57	1.16 1.14 1.12 1.10 .77
Woods Creek	Skykomish River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.29 N., R.7 E., at county road bridge $\frac{1}{2}$ mile above Roesiger Creek, $6\frac{1}{2}$ miles northwest of Sultan.	12.4	7-12-46 7-23-46 8- 1-46 8-13-46 8-20-46 8-23-46 9-11-46 9-27-46 10-16-46 6-11-57 6-25-57 7-18-57 8- 7-57	13.6 8.06 6.75 5.37 5.05 4.70 4.05 4.15 4.01 14.7 10.0 7.87 7.74
Roesiger Creek	Woods Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.29 N., R.7 E., at gaging station "near Machias," (operated June 1946 to Oct. 1948).	3.73	6-11-57 6-25-57 7-18-57 8-17-57 8-20-58 7-22-59 8-26-59 9-15-60	.65 1.36 .72 .16 0 .17 Trace .58

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skykomish River basin--Continued					
Hughes Creek	Roesiger Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.29 N., R.7 E., at crossing of Roesiger Road 7 $\frac{1}{2}$ miles northwest of Sultan.	1.14	8-20-46 9-11-46 8-30-57	0.06 .08 0
Woods Creek	Skykomish River	East line SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.28 N., R.7 E., at gaging station "below Roesiger Creek, near Monroe," (operated July to Oct. 1946).	19.5	6-11-57 6-25-57 7-17-57 8- 7-57 9-27-57 7-22-59 8-26-59 9-15-60	20.5 14.5 11.0 9.11 4.89 8.66 8.46 10.4
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.28 N., R.7 E., at road crossing 2 $\frac{1}{2}$ miles northwest of Sultan.	27.6	8-20-46 9-11-46 8-29-57	8.86 8.37 10.1
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.28 N., R.7 E., at road crossing 3 $\frac{1}{2}$ miles west of Sultan.	28.3	9-27-46 8-29-57 9-27-57	9.99 10.4 8.93
Carpenter Creek	West Fork Woods Creek	South line SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.29 N., R.7 E., at road crossing 3 $\frac{1}{4}$ miles southeast of Granite Falls.	.68	9-27-46	.35
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.29 N., R.6 E., at gaging station "near Machias," (operated June to Oct. 1946).	10.8	6-27-57 7-23-57 8-14-57 8-20-58 7-22-59 8-26-59 9-15-60	7.23 4.46 2.55 2.53 2.97 2.16 3.03
West Fork Woods Creek	Woods Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.28 N., R.7 E., 200 ft above county road bridge at mouth, 2 $\frac{1}{2}$ miles northeast of Monroe.	26.7	7-12-46 7-23-46 8- 1-46 8-13-46 8-27-46 9-11-46 9-27-46 10-16-46 8-16-51 6-11-57 6-24-57 7-17-57 8-12-57 9-25-57 7-22-59 8-26-59 9-16-60	26.2 11.2 9.48 8.84 7.35 7.18 8.16 8.55 6.33 16.6 16.2 12.9 9.67 6.99 15.9 7.74 15.1
Woods Creek	Skykomish River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.28 N., R.7 E., at gaging station "near Monroe," (operated July 1946 to 1960).	56.4		
Richardson Creek	Woods Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.28 N., R.7 E., at county road crossing 1 $\frac{1}{4}$ miles northeast of Monroe.	4.93	8-20-46 9-11-46 8-29-57 9-25-57	.08 .08 .13 .26
Skykomish River	Snohomish River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.27 N., R.6 E., at crossing of State Highway 15B at Monroe.	834	6-20-55 7--8-55 11-12-58	11,000 7,500 51,100
Skykomish River tributary No.6	Skykomish River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.27 N., R.6 E., at crossing of Tester Road 2 $\frac{1}{2}$ miles southwest of Monroe.	.88	8-20-46 8-29-57	0 0
Snoqualmie (Snohomish) River basin					
Middle Fork Snoqualmie River	Snoqualmie River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.24 N., R.10 E., above Taylor River.	64.2	9-17-11	686
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.23 N., R.9 E., at new gaging station "near Tanner," (operated after 1960).	154	11-16-60 11-25-60 12-19-60	6,610 2,510 2,230
Taylor River (formerly Taylor Creek)	Middle Fork Snoqualmie River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.24 N., R.11 E., $\frac{1}{4}$ mile below Snoqualmie Lake.	-	10- 4-11	12.7
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.24 N., R.10 E., at mouth.	30.6	9-17-11	411

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snoqualmie River basin--Continued					
Middle Fork Snoqualmie River	Snoqualmie River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.23 N., R.8 E., $\frac{1}{4}$ mile north-east of Tanner.	163	11-23-59	†49,000
Do.....	.....do.....	NW $\frac{1}{4}$ sec.14, T.23 N., R.8 E., 500 ft below suspension bridge at Tanner.	-	7-13-26	252
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.23 N., R.8 E., at gaging station "near North Bend," (operated Aug. 1915 to Sept. 1926, June to Sept. 1945).	169	7- 8-57 7-31-57	717 391
Unnamed Slough	Middle Fork Snoqualmie River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.24 N., R.8 E., and above Middle Fork gage site near mouth.	-	9-18-18	80.1
Middle Fork Snoqualmie River	Snoqualmie River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.24 N., R.8 E., at gaging station "near North Bend," (operated Aug. 1907 to Aug. 1915, Feb. 1929 to Sept. 1930).	171		
North Fork Snoqualmie River	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.25 N., R.9 E., above Sunday Creek.	31.6	9-19-11	170
Sunday Creek	North Fork Snoqualmie River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.25 N., R.9 E., at mouth.	17.4	9-19-11	114
North Fork Snoqualmie River	Snoqualmie River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.25 N., R.9 E., $\frac{1}{2}$ mile above Big Creek, 2 miles below Sunday Creek (by trail), 2,000 ft above dam site.	-	7-17-26	36.0
Do.....	.....do.....	NW $\frac{1}{4}$ sec.31, T.25 N., R.9 E., at gaging station "near Snoqualmie Falls." (Operated Aug. 1929 to Oct. 1949. Operated as crest-stage gage after 1949).	b64.0	11-27-49 ar3- 3-50 2- 9-51 2- 4-52 1-23-53 12- 9-53 12-11-55 12- 9-56 11-12-58 11-22-59 11-16-60 11-25-60 12-16-60	11,000 13,200 4,400 6,340 9,520 12,200 6,860 7,220 13,700 †1,150 †1,030 ‡438
Calligan Creek	North Fork Snoqualmie River	SW $\frac{1}{4}$ sec.32, T.25 N., R.9 E., $\frac{1}{4}$ mile below Calligan Lake.	-	9-12-11	6.12
North Fork Snoqualmie River	Snoqualmie River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.24 N., R.8 E., at gaging station "at cable bridge near North Bend," (operated Oct. 1913 to Sept. 1915).	b84.5	9-23-08 8-24-09 6-30-10 9-11-11 6- 5-13 7-24-13 4- 3-16 4- 3-16 8-10-16	64.0 64.7 254 155 1,120 582 722 743 315
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.24 N., R.8 E., at gaging station "near North Bend," (operated Sept. 1916 to Sept. 1926, Feb. 1929 to Sept. 1938, Oct. to Dec. 1960).	95.7		
Tate Creek	North Fork Snoqualmie River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.24 N., R.8 E., at road crossing $2\frac{1}{2}$ miles east of Snoqualmie Falls.	4.01	7-19-45 8- 8-45 8-23-45 9-13-45 6-18-57 7- 9-57 7-31-57 9-23-57	3.31 2.62 2.34 2.05 3.94 2.18 1.95 .92
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.24 N., R.8 E., at mouth.	-	9-17-20	8.85
North Fork Snoqualmie River	Snoqualmie River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.24 N., R.8 E., at gaging station "near North Bend," (operated Aug. 1907 to Sept. 1916).	b103	7- 4-07 2-14-29 10- 4-38 10- 4-38	763 122 90.4 90.4
South Fork Snoqualmie River tributary	South Fork Snoqualmie River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.22 N., R.10 E., at U. S. Highway 10, (crest-stage gage, "Snoqualmie River, South Fork tributary near North Bend").	.15	2-10-51 10-19-51 1-31-53 12- 9-53 11-18-54	33.0 10.0 35.0 30.0 31.1

‡ Discharge measurement.

† Peak flow.

b Revised.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snoqualmie River basin--Continued					
South Fork Snoqualmie River tributary (Cont.)	South Fork Snoqualmie River	NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> sec.13, T.22 N., R.10 E., at U. S. Highway 10, (crest-stage gage).		12-11-55 12- 9-56 4-19-58 11-12-58 11-22-59	20.6 32.5 11.7 31 44
South Fork Snoqualmie River	Snoqualmie River	SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec.6, T.22 N., R.10 E., at gaging station "above Alice Creek, near North Bend," (operated Oct. to Dec. 1960).	41.6	7-19-45 9-13-45	77.7 39.4
Do.....	.....do.....	NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> sec.1, T.22 N., R.9 E., at gaging station "near Garcia," (operated Aug. 1910 to Sept. 1915).	b45.8		
Do.....	.....do.....	NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec.25, T.23 N., R.8 E., at county road crossing 800 ft above Boxley Creek.	64.5	9-13-45	67.0
Boxley Creek	South Fork Snoqualmie River	NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec.35, T.23 N., R.8 E., at gaging station "near Cedar Falls," (operated Aug. 1945 to 1960).	1.57		
South Fork Snoqualmie River	Snoqualmie River	NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> sec.9, T.23 N., R.8 E., at gaging station "at North Bend," (operated July 1907 to Sept. 1926, Feb. 1929 to Sept. 1938, June 1945 to Apr. 1950, Oct. to Dec. 1960).	81.7	7- 6-07 7- 8-57 7-31-57	343 231 173
South Fork Snoqualmie River tributary No. 2	South Fork Snoqualmie River	SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec.4, T.23 N., R.8 E., at crossing of State Highway 2 at North Bend.	2.57	10-13-45 9-24-57	1.47 .48
Snoqualmie River	Snohomish River	SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec.19, T.24 N., R.8 E., at gaging station "near Snoqualmie," (operated May 1898 to July 1899, Jan. to July 1900, Sept. 1902 to July 1904, June 1926 to Sept. 1927, Aug. 1958 to 1960).	375	9-20-02 1-26-13 10-14-27 10-31-27 11-12-27 11-29-27 12-14-27 12-26-27 1- 9-28 1-23-28 2-12-28 2-25-28 3- 6-28 3-19-28 4-18-28 5- 2-28 5-16-28 5-31-28 6-15-28 7- 3-28 7-17-28 7-30-28 8- 9-28 8-15-28 8-30-28 9-17-28 9-30-28 10-16-28 11-15-28 12-17-28 12-27-28 12-20-29 3-27-30 5-22-30 6-23-58 7-10-58 7-29-58	727 5,080 5,200 2,010 2,610 6,620 2,250 1,780 7,610 2,070 1,490 1,060 2,110 4,260 3,220 4,240 5,580 2,580 4,500 1,690 1,210 1,170 609 467 548 630 221 6,420 1,450 1,150 1,070 2,170 4,750 5,720 1,560 1,270 740
Tokul Creek	Snoqualmie River	NE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> sec.20, T.24 N., R.8 E., at gaging station "near Snoqualmie," (operated July 1907 to Oct. 1914).	29.8	7-21-07	22.0
Do.....	.....do.....	SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> sec.19, T.24 N., R.8 E., at gaging station "near Snoqualmie," (operated Mar. 1929 to Sept. 1931, June to Sept. 1945. Crest-stage gage 1959 to 1960).	32.2	7-10-26 8-19-26 9-23-27 7- 9-57 7-31-57 9-23-57 1-24-59 10-22-59 10-23-59 12-15-59 1-20-60 2- 5-60	27.5 24.7 45.0 35.7 32.6 20.2 †1,200 89.3 121 †1,060 97.3 115

† Peak flow.  
b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snoqualmie River basin--Continued					
Mud Creek (formerly unnamed tributary)	Snoqualmie River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.24 N., R.7 E., at crossing of State Highway 2, 1 $\frac{1}{2}$ miles east of Fall City.	-	10-13-45 9-23-57	0.65 .72
Raging River	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.23 N., R.7 E., 600 ft above Deep Creek.	13.3	7- 6-45 7-25-45 8- 1-45 8-20-45 9-13-45 6-19-57 7- 3-57 7-29-57 6-19-57 9-24-57	9.79 6.53 5.25 3.91 5.55 30.6 17.2 10.4 10.7 9.92
Deep Creek	Raging River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.23 N., R.7 E., at mouth.	5.01	7- 6-45 7-25-45 8- 1-45 8-20-45 9-13-45 6-19-57 7- 3-57 7-29-57 8-19-57 9-23-57	2.74 2.02 1.43 1.73 1.49 5.57 3.55 2.15 3.10 1.43
Lake Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.23 N., R.7 E., at road crossing at upper Preston.	2.61	7- 6-45 7-25-45 8- 1-45 8-20-45 9-13-45 6-18-57 7- 3-57 7-29-57 8-19-57 9-23-57	.71 .51 .28 .45 .31 1.74 .87 .55 .48 .21
Raging River	Snoqualmie River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.24 N., R.7 E., at gaging station "near Fall City." (Operated July 1945 to Sept. 1950. Crest-stage gage from 1950).	30.6	2- 9-51 8-15-51 1-31-53 12- 9-53 2- 8-55 7-19-55 8-11-55 9- 7-55 12-11-55 12- 9-56 7- 9-57 7-29-57 8-19-57 9-17-57 1-17-58 8-18-58 11-12-58 8- 3-59 11-22-59 9-22-60 11-24-60	3,420 *7.52 1,600 2,200 2,400 *31.7 *36.9 *14.9 2,500 1,380 *26.2 *20.2 *20.7 *11.9 1,290 *7.13 2,150 *13.8 2,930 *16.2 2,300
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.24 N., R.7 E., 700 ft below highway crossing at Fall City.	32.8	8-30-45	6.87
Patterson Creek	.....do.....	West line NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.25 N., R.6 E., at county road crossing 3 $\frac{1}{2}$ miles southwest of Carnation.	4.97	7- 6-45 7-20-45 8- 9-45 8-23-45 10-13-45 6-18-57 7-10-57 7-30-57 8-20-57	1.11 1.29 1.20 1.05 1.13 1.79 1.14 1.41 1.17
Canyon Creek	Patterson Creek	West line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.24 N., R.7 E., at crossing of private road 3 miles northwest of Fall City.	4.04	7- 5-45 7-21-45 8- 7-45 8-23-45 10-13-45 9-24-57	2.85 2.72 2.39 2.36 2.73 2.29
Patterson Creek	Snoqualmie River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.24 N., R.7 E., at gaging station "near Fall City," (operated Feb. 1947 to 1960).	15.5		

\* Discharge measurement.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snoqualmie River basin--Continued					
Patterson Creek tributary (formerly unnamed creek)	Patterson Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.24 N., R.7 E., at crossing of State Highway 2, 1 $\frac{1}{2}$ miles northwest of Fall City.	-	8-30-45 8-20-57 9-24-57	0 0 0
Patterson Creek	Snoqualmie River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.24 N., R.7 E., at gaging station "eight-tenths mile above mouth, near Fall City," (operated June to Sept. 1945).	619.9	6-18-57 7- 9-57 7-30-57 8-20-57 9-24-57	13.2 10.2 11.1 10.4 8.53
Griffin Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.25 N., R.7 E., at gaging station "near Carnation," (operated June 1945 to 1960).	17.1		
North Fork Tolt River	Tolt River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.26 N., R.9 E., $\frac{1}{2}$ mile below Dry Creek.	22.0	9-12-37 9-19-37	35.4 28.5
North Fork Tolt River tributary (formerly unnamed creek)	North Fork Tolt River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.26 N., R.9 E., 200 ft above mouth, $\frac{1}{2}$ mile below Dry Creek.	3.64	9-19-37	12.1
North Fork Tolt River	Tolt River	SE $\frac{1}{4}$ sec.23, T.26 N., R.8 E., at Snoqualmie Falls Lumber Company's railroad bridge.	33.3	8-31-37 10-15-37	64.5 31.5
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.26 N., R.8 E., at gaging station "near Carnation," (operated Oct. 1952 to 1960).	39.2		
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.26 N., R.8 E., 500 ft above confluence with South Fork.	49.3	9-30-37 10-11-37 8-29-46 9-18-46 10- 1-46	81.7 55.4 94.8 111 70.7
South Fork Tolt River	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.26 N., R.9 E., at gaging station "near Index," (operated Dec. 1959 to 1960).	5.34	4-29-59 10-12-59 11-10-59 11-18-59 11-24-59 12-14-59	1,200 134 19.2 413 222 †1,790
Phelps Creek	South Fork Tolt River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.26 N., R.9 E., at gaging station "near Index." (Discharge records subsequent to Sept. 1960).	2.04	10-12-59 11-10-59 11-18-59 11-24-59 1-27-60 2-24-60 3-26-60 5- 3-60 6- 9-60 7-26-60 9- 5-60 10- 6-60 11-15-60 12-15-60	65.9 7.11 149 104 31.4 7.24 49.6 23.1 19.2 2.54 16.5 3.82 17.2 19.1
South Fork Tolt River	Tolt River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.25 N., R.9 E., at gaging station "at upper station, near Carnation," (operated Oct. 1957 to Sept. 1959).	68.54		
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.26 N., R.9 E., at gaging station "near Carnation," (operated Oct. 1953 to 1960).	19.9		
Do.....	.....do.....	SE $\frac{1}{4}$ sec.35, T.26 N., R.8 E., at logging - railroad bridge near Carnation	-	10-13-37	21.2
South Fork Tolt River tributary	South Fork Tolt River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.26 N., R.8 E., at Weyerhaeuser Timber Company road, 9 miles northeast of Carnation, (crest-stage gage, "Tolt River, South Fork tributary, near Carnation").	2.19	2- 8-55 12-11-55 2-26-57 1-16-58 1-24-59 12-15-59	92.8 134 77.0 75.7 170 221
South Fork Tolt River	Tolt River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.26 N., R.8 E., 1,400 ft above confluence with North Fork.	-	10-11-37	28.2

† Peak flow.  
b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snoqualmie River basin--Continued					
Tolt River	Snoqualmie River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.26 N., R.8 E., at gaging station "near Carnation," (operated Aug. 1928 to Jan. 1932, Sept. 1937 to 1960).	81.4	7- 9-26	106
Stossel Creek	Tolt River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.26 N., R.8 E., at gaging station "near Carnation," (operated July 1958 to 1960).	5.58	1- 5-56	112
Langlois Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.25 N., R.7 E., at crossing of Tolt-Bunker Road at mouth, $\frac{1}{2}$ mile south of Carnation.	2.25	7- 5-45 7-21-45 8- 3-45 8-23-45 9-19-45 6-17-57 7-10-57 7-30-57 8-20-57	1.31 .85 .56 .07 .03 1.09 .50 .20 .09
Snoqualmie River	Snohomish River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.25 N., R.7 E., at gaging station "near Carnation," (operated Oct. 1928 to 1960).	603		
Harris Creek	Snoqualmie River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.26 N., R.7 E., at crossing of Kelley Road 2 $\frac{1}{2}$ miles northeast of Stillwater.	2.36	9-12-45 8-21-57	.14 .08
Lake Joy Outlet Creek	Harris Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.26 N., R.7 E., at crossing of Lake Joy Road 2 miles northeast of Stillwater.	1.14	9-12-45 8-21-57 9-17-57	0 1.28 0
Harris Creek	Snoqualmie River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.25 N., R.7 E., at gaging station "near Carnation (formerly Tolt)". Operated June to Sept. 1945.	b8.39	6-17-57 7-10-57 7-30-57 8-20-57 9-16-57 8- 8-58	5.49 2.93 3.06 3.07 2.13 1.80
Stillwater Creek	Harris Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.25 N., R.7 E., at State Highway 15B at Stillwater.	1.70	9-13-45 8-21-57	.84 .95
Stuart Creek	Snoqualmie River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.26 N., R.7 E., at State Highway 15B, 1 $\frac{1}{4}$ miles northwest of Stillwater.	3.36	9-13-45 6-17-57 7-10-57 8- 1-57 8-21-57	.63 .91 .60 .59 .46
Ames Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.25 N., R.7 E., at gaging station "near Carnation (Tolt)". Operated June to Oct. 1945.	b2.77	6-18-57 7-10-57 7-30-57 8-20-57 9-24-57	1.88 1.83 1.56 1.71 1.89
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.26 N., R.6 E., 150 ft below Adair Road $\frac{1}{2}$ miles south of Novelty.	7.65	9-12-45	4.70
Adair Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.26 N., R.6 E., at crossing of West River Road 1 mile northwest of Novelty.	.78	8-21-57 9-25-57	.05 Trace
Snoqualmie River tributary (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.26 N., R.6 E., at State Highway 15B, $\frac{1}{4}$ mile south of Duvall.	.36	8-22-57 9-16-57	.18 .11
Tuck Creek	.....do.....	South line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.26 N., R.6 E., at crossing of West River Road, 1 mile west of Duval.	2.44	7- 5-45 7-19-45 8- 3-45 8-21-45 9-13-45 10-12-45 6-11-57 7- 3-57 8- 1-57 8-22-57 9-17-57	.47 .54 .38 .39 .37 .44 1.61 .79 .52 .50 .34
Cherry Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.26 N., R.7 E., 300 ft above crossing of Kelley Road, 3-1/3 miles east of Duvall.	15.8	7- 5-45 7-19-45 8- 3-45 8-21-45 9-13-45 10-12-45 6-19-57 7-11-57 8- 1-57 8-22-57	4.53 4.50 3.45 2.74 3.04 5.87 25.6 4.45 2.23 2.78

b Revised.

PUGET SOUND BASINS

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Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snoqualmie River basin--Continued					
Cherry Creek	Snoqualmie River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.26 N., R.7 E., at gaging station "near Duvall," (operated June 1945 to Oct. 1948).	619.2	8-16-51 7-20-55 8-10-55 9- 8-55 9- 4-56 7-11-57 8- 1-57 8-22-57 8-19-58	2.91 16.6 15.0 6.00 1.97 6.49 3.67 2.79 1.46
North Fork Cherry Creek (formerly unnamed creek)	Cherry Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.26 N., R.7 E., at crossing of Mountain View Road 3 miles northeast of Duvall.	1.84	8-29-45 8-22-57	Trace .04
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.26 N., R.7 E., $\frac{1}{4}$ mile above mouth, 1 $\frac{1}{2}$ miles northeast of Duvall.	4.97	7- 5-45 9-12-45 8-22-57	0 0 1.10
Cherry Creek	Snoqualmie River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.26 N., R.7 E., at State Highway 15B 2 miles northeast of Duvall.	27.8	8-29-45 8-23-57 8-18-58	8.20 6.64 3.32
Snohomish River basin					
Ricci Creek (formerly unnamed creek)	Snohomish River	East line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.27 N., R.6 E., at crossing of Cathcart-Snoqualmie River Road.	3.24	7-12-46 7-24-46 8- 4-46 8-14-46 8-28-46 9-11-46 9-26-46 10-16-46 6-24-57 7-11-57 8- 2-57 8-23-57	.99 .46 .55 .57 .54 .48 .50 .59 .86 .71 .70 .59
Elliot Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.27 N., R.6 E., at road crossing 4 $\frac{1}{2}$ miles southwest of Monroe.	.35	8-20-46 8-23-57	0 0
Anderson Creek	.....do.....	South line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.27 N., R.6 E., at road crossing 4 $\frac{1}{2}$ miles southwest of Monroe.	1.83	8-20-46 8-23-57	Trace .14
Evans Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.27 N., R.6 E., at gaging station "near Snohomish," (operated June to Oct. 1946).	64.84	7-11-57 8- 2-57 8-23-57 8-19-58 7-24-59 8-27-59	3.90 4.35 4.05 3.56 3.45 3.16
French Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.28 N., R.6 E., at gaging station "near Monroe," (operated June to Oct. 1946).	65.53	6-24-57 7-17-57 8- 7-57 8-20-58 7-24-59 8-25-59 9-16-60	1.66 1.04 1.07 .37 .91 2.71 .33
French Creek tributary (formerly unnamed tributary)	French Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.28 N., R.6 E., at county road crossing, $\frac{1}{4}$ mile above mouth and 3 miles east of Snohomish.	1.53	7-12-46 7-24-46 8-15-46 7-17-57 8- 7-57 8-25-59 9-16-60	.60 .10 Trace .17 0 0 Trace
French Creek tributary No. 2	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.28 N., R.6 E., at road crossing 3 $\frac{1}{2}$ miles southeast of Snohomish.	.32	8-20-46 9-25-46 8-29-57	.13 .23 .20
French Creek tributary No. 3	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.28 N., R.6 E., at road crossing 3 miles southeast of Snohomish.	.96	8-20-46 8-29-57	Trace Trace
Worthy Creek	Pilchuck River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.29 N., R.7 E., at logging bridge at mouth, 5 $\frac{1}{2}$ miles southeast of Granite Falls.	7.69	8-23-46 9-26-46 8-30-57	4.63 2.90 3.10
Pilchuck River	Snohomish River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.29 N., R.7 E., at gaging station "below Worthy Creek, near Granite Falls," (operated June to Oct. 1946).	41.7	6-25-57 8-13-57 7-21-59 8-24-59 9-16-60	101 62.7 56.3 64.4 68.6

b Revised.

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snohomish River basin--Continued					
Pilchuck River	Snohomish River	NW $\frac{1}{4}$ sec.10, T.29 N., R.7 E., $\frac{1}{2}$ mile above City of Snohomish municipal diversion.	-	7-10-45	61.6
Purdy Creek	Pilchuck River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.29 N., R.7 E., at road crossing 0.2 mile above mouth, 5 miles southeast of Granite Falls.	1.07	8-24-46 9-12-46 9-26-46	2.10 1.85 1.51
Pilchuck River	Snohomish River	Center of north half sec.9, T.29 N., R.7 E., at road crossing 1/3 mile below Purdy Creek	44.5	1-10-45 5-11-45 7-10-45 9-11-46 9-12-46 9-26-46 6-26-57 7-18-57 8-13-57	861 512 dd55.4 47.1 46.5 48.3 105 99.8 59.8
Boyd Lake Creek	Menzel Lake	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.30 N., R.7 E., 200 ft below county road crossing, 3 miles southeast of Granite Falls.	1.81	8-24-46	Trace
Menzel Lake Creek (formerly unnamed creek)	Pilchuck River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.29 N., R.7 E., between Menzel Lake and old mill pond $\frac{3}{4}$ miles southeast of Granite Falls.	-	8-24-46	.10
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.29 N., R.7 E., at mouth.	3.84	9-26-46	.53
Bosworth Lake Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.30 N., R.7 E., at county road crossing 2 miles south of Granite Falls.	1.87	8-24-46 9-11-57	0 0
Pilchuck River	Snohomish River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.30 N., R.7 E., at gaging station "near Granite Falls," (operated May to Oct. 1911, Jan. 1943 to Nov. 1957). Operated as crest-stage gage since 1957.	b54.4	1-17-58 8-18-58 11-12-58 7-21-59 8-24-59 12-15-59 9-16-60	3,520 #28.8 5,840 #73.4 #68.5 7,640 72.2
Granite Falls Electric Co. flume	Pilchuck River (diverted from right bank)	Sec.30, T.30 N., R.7 E., at headgate near Granite Falls, and below gaging station "Pilchuck River near Granite Falls".	-	7- 4-11	35.0
Swartz Lake Creek	Pilchuck River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.30 N., R.7 E., at road crossing $\frac{1}{2}$ mile above mouth, 1 mile southeast of Granite Falls.	3.12	7-13-46 7-24-46 7-31-46 8-14-46 8-26-46 9-12-46 9-24-46 10-15-46 6-26-57 7-18-57 8-13-57 9-11-57 8-19-58	.15 .19 .13 .17 .09 .06 .06 .06 1.25 .85 .47 .18 .03
Little Pilchuck Creek	.....do.....	South line SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.30 N., R.6 E., at crossing of Getchell Road 3 miles southwest of Granite Falls.	9.41	7-13-46 7-22-46 7-31-46 8-13-46 8-26-46 9-12-46 9-24-46 10-15-46 12-12-46 2- 4-47 3-13-47 4-15-47 5-27-47 6-26-47 7-18-47 8-13-47 9-11-47	4.26 1.51 1.39 1.03 1.01 1.32 1.02 1.14 109 51.0 30.9 17.1 1.52 2.50 2.29 1.13 .76
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.29 N., R.6 E., at gaging station "near Lake Stevens," (operated June 1946 to 1960).	17.0		
Stevens Creek	Little Pilchuck Creek	South line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.29 N., R.6 E., 50 ft above Catherine Creek 1/3 mile northeast of the town of Lake Stevens.	7.51	6-26-57 7-23-57 8-13-57 9-12-57	5.69 2.62 1.02 .13

‡ Discharge measurement.

b Revised.

dd Measurement made 200 ft above diversion.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snohomish River basin--Continued					
Stevens Creek	Little Pilchuck Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.29 N., R.6 E., at gaging station "at Lake Stevens," (operated June 1946 to Sept. 1950).	14.2	10-16-50 12- 5-50 7-23-57 8-13-57 9-11-57 8-19-58 7-21-59 8-24-59 9-22-60	0.52 48.4 2.25 .92 .18 0 3.32 .41 .89
Little Pilchuck Creek	Pilchuck River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.29 N., R.6 E., at road crossing $\frac{1}{2}$ mile above mouth.	32.6	7-12-46 7-25-46 8- 1-46 8-14-46 8-26-46 9-11-46 9-24-46 10-15-46 6-26-57 7-23-57 8-14-57 7-21-59 8-24-59 9-22-60	14.9 4.00 3.25 2.16 1.32 1.07 .93 2.30 10.3 3.48 1.42 2.78 .16 1.15
Dubuque Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.29 N., R.6 E., at highway crossing 1 mile northwest of Forest Glade.	3.53	9-21-46 9-25-46 9-12-57	.11 .15 .04
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.29 N., R.6 E., at gaging station "near Lake Stevens," (operated July 1946 to Nov. 1950).	67.16	7-12-46 7-25-46 12- 1-50 8-16-51 7-23-57 8-14-57 9-12-57 7-21-59 8-24-59 9-23-60	3.97 .93 52.9 .24 1.25 1.02 1.25 .90 .90 .91
Flowing Lake Creek	Panther Lake	SW $\frac{1}{4}$ sec.35, T.29 N., R.6 E., at road crossing 1/3 mile below Flowing Lake.	.88	8-21-46	Trace
Panther Creek	Dubuque Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.28 N., R.6 E., at road crossing 1,000 ft below Panther Lake.	2.08	8-21-46	0
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.29 N., R.6 E., at gaging station "near Lake Stevens," (operated June to Oct. 1946).	65.33	6-27-57 7-23-57 8-14-57 6-27-57 7-23-57 8-14-57 7-21-59 8-24-59 9-23-60	.91 .69 .33 .91 .69 .33 1.88 .34 .45
Pilchuck River (formerly Panther Creek)	Snohomish River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.29 N., R.6 E., below Dubuque Creek $\frac{1}{2}$ mile northeast of Machias.	116	9-12-57	44.6
Pilchuck River tributary (formerly unnamed stream)	Pilchuck River	South line SE $\frac{1}{4}$ sec.29, T.29 N., R.6 E., at road crossing 1 $\frac{1}{4}$ miles southwest of Machias.		8-21-46	0
Pilchuck River	Snohomish River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.29 N., R.6 E., at road crossing of Dubuque Road 1 1/3 miles southwest of Machias.	121	8-21-46 9-27-46 9-12-57	124 64.1 46.6
Scott Creek	Pilchuck River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.28 N., R.6 E., at road crossing near mouth.	.73	8-21-46 9-25-46 9-12-57	.37 .39 0
Pilchuck River tributary No. 2	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.28 N., R.6 E., at highway crossing 1 $\frac{1}{2}$ miles north of Snohomish.	1.59	9-12-57	0
Pilchuck River tributary No. 3	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.28 N., R.6 E., at crossing of Sexton Road.	3.76	8-21-46 9-25-46	.35 .49

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snohomish River basin--Continued					
Blackmans Lake Creek	Snohomish River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.28 N., R.6 E., at outlet of Blackmans Lake.	.81	8-22-46 9-12-57	Trace 0
Snohomish River	Port Gardner	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.28 N., R.5 E., at gaging station "at Snohomish," (operated for flood flows only 1941-1960).	1,714		
Snohomish River tributary (formerly unnamed stream)	Snohomish River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.28 N., R.5 E., at road crossing $\frac{1}{2}$ mile southeast of Rees Corner, $\frac{2}{3}$ mile south of Snohomish.	.71	8-20-46 9-13-57	Trace 0
Snohomish River tributary No. 2	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.28 N., R.5 E., at road crossing $\frac{1}{2}$ mile west of Rees Corner.	1.15	8-20-46 9-13-57	Trace .05
Snohomish River tributary No. 3	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.28 N., R.5 E., at road crossing just west of Snohomish city limits.	2.07	8-22-46 9-12-57	.10 0
Thomas Creek (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.28 N., R.5 E., at road crossing $\frac{1}{2}$ mile southeast of Larimer Corner.	.63	7-11-46 7-24-46 8- 2-46 8-14-46 8-28-46 9-11-46 9-26-46 10-16-46 6-27-57 7-19-57 8-14-57 9-13-57	1.21 1.27 .82 1.01 .84 .98 .98 1.16 1.17 1.19 1.18 1.90
Larimer Creek (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.28 N., R.5 E., at road crossing at Larimer Corner.	1.01	7-11-46 7-24-46 8- 2-46 8-15-46 8-28-46 9-11-46 9-26-46 10-16-46 6-27-57 7-19-57 8-14-57 9-13-57	2.10 1.74 1.52 1.48 1.53 1.68 1.56 1.56 1.95 1.72 1.98 1.15
Snohomish River tributary No. 4	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.28 N., R.5 E., at road crossing $\frac{1}{2}$ mile northwest of Larimer Corner.	.46	8-22-46 9-25-46 9-13-57	.70 1.08 .06
Snohomish River tributary No. 5	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.28 N., R.5 E., at road crossing $1\frac{1}{4}$ mile northwest of Larimer Corner.	.77	8-20-46 9-25-46 9-13-57	.93 1.30 0
Hilton Lake Outlet	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.28 N., R.5 E., at road crossing, $1\frac{1}{2}$ miles northwest of Larimer Corner.	.61	8-22-46 9-25-46 9-13-57	.45 .61 1.15
Snohomish River tributary No. 6	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.28 N., R.5 E., at road crossing $1\frac{1}{2}$ mile northwest of Larimer Corner.	.12	8-22-46 9-25-46 9-13-57	.43 .51 .69
Snohomish River tributary No. 7	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.28 N., R.5 E., at road crossing 2 miles northwest of Larimer Corner.	.12	9-13-57	.10
Wood Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.28 N., R.5 E., at gaging station "near Everett," (operated June 1946 to Oct. 1948).	1.89	8-17-51 7-19-57 8-14-57 9-13-57 8-18-58 7-22-59 8-27-59 9-22-60	4.25 4.61 4.25 4.77 5.35 4.53 4.88 5.25
Swan Trail Slough tributary (formerly unnamed stream)	Swan Trail Slough	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.28 N., R.5 E., at crossing of Honeymoon Road, just north of Swan Trail.	.54	8-22-46 8-20-57	0 0



PUGET SOUND BASINS

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Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snohomish River basin--Continued					
Ebey Slough tributary (formerly unnamed stream)	Ebey Slough	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.28 N., R.5 E., at 52nd D Street.	.55	8-22-46 8-20-57	.04 .08
Ebey Slough tributary No. 2	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.29 N., R.5 E., at crossing of U. S. Highway 2, 1 mile southeast of Cavalero Corner.	1.71	8-22-46 9-26-46 8-20-57	.39 .27 .19
Ebey Slough	Possession Sound	South line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.29 N., R.5 E., at crossing of U. S. Highway 2 at Cavalero Corner.	-	6-27-50 6-27-50	7,410 5,950
Ebey Slough tributary No. 3	Ebey Slough	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.29 N., R.5 E., at highway crossing 2 miles north of Cavalero Corner.	.96	8-20-46 9-13-46 9-26-46 8-20-57 9-12-57	.14 .14 .17 .45 .37
Allen Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.30 N., R.5 E., at Lauck Road crossing $\frac{1}{2}$ mile north of Kellogg Grange.	1.28	8-13-46 8-25-46 9-12-46 9-24-46 10-15-46 6-12-57 7- 1-57 7-25-57 8-15-57 9-10-57	.38 .23 .19 .29 .55 1.09 .33 .11 .27 .07
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.30 N., R.5 E., 300 ft below unnamed stream entering from left bank, 0.6 mile south of Kellogg Marsh Grange.	4.17	7-10-46 7-22-46 7-31-46 8-13-46 8-25-46 9-12-46 9-24-46 10-15-46 6-12-57 7- 1-57 7-25-57 8-15-57 9-11-57	2.40 .58 .55 .72 .23 .35 .39 .77 2.22 .79 .45 .60 .29
Munson Creek	Allen Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.30 N., R.5 E., at road crossing $1\frac{1}{4}$ miles northeast of Marysville, (crest-stage gage "Munson Creek near Marysville")	.97	2-22-49 3-21-50 11-27-50 3-11-52 2- 3-53 1- 6-54 12-31-54 12-20-55 2-24-57 1-16-58 1-24-59 11-21-59 11-20-60	22.3 49.5 15.4 10.9 16.6 36.5 22.3 32.3 28.2 16.8 24.0 40 27
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.30 N., R.5 E., at road crossing 1 mile northeast of Marysville.	1.27	8-20-46 9-13-46 9-25-46 9-25-46 6-12-57 6-28-57 7-24-57 8-15-57 9-11-57	.15 .24 .17 .18 .63 .50 .44 .29 .20
Allen Creek	Ebey Slough	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.30 N., R.5 E., at gaging station "at Marysville," (operated June to Oct. 1946).	7.33	12- 8-48 6-12-57 6-28-57 7-24-57 8-15-57 9-12-57 8-19-58 7-22-59 8-26-59 9-23-60	42.3 6.19 4.20 3.40 3.05 2.55 .91 2.39 2.55 3.40
Allen Creek tributary (formerly unnamed stream)	Allen Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.30 N., R.5 E., at road crossing $\frac{1}{2}$ mile east of Marysville.	1.02	8-21-46 9-13-46 9-25-46 6-12-57 6-28-57 7-24-57	.34 .40 .34 .33 .28 .22

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snohomish River basin--Continued					
Allen Creek tributary (Cont.)	Allen Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.30 N., R.5 E., at road crossing $\frac{3}{4}$ mile east of Marysville.		8-15-57 9-12-57 7-22-59 8-22-59 9-23-60	0.22 .25 .21 .31 .30
Snohomish River	Port Gardner	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.29 N., R.5 E., at Hewitt Avenue Bridge at Everett.	-	6-27-50 6-27-50	13,400 13,000
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.29 N., R.5 E., at U.S. Highway 99 at Everett.	1,780	2-26-43 2-27-43 3-26-43 4- 7-43 5- 6-43 5-21-43 6- 4-43 6-18-43 7- 2-43 7-17-43 6-27-50	4,220 3,660 4,160 5,450 3,900 3,930 3,900 8,280 5,160 4,110 5,640
Union Slough	Possession Sound	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.29 N., R.5 E., at crossing of U.S. Highway 99, 1 mile north of Everett.	-	2-26-43 2-27-43 3-26-43 4- 7-43 5- 6-43 5-21-43 6- 4-43 6-18-43 7- 2-43 7-17-43	572 452 -387 856 588 505 482 1,070 338 503
Steamboat Slough	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.30 N., R.5 E., at U.S. Highway 99, $\frac{1}{2}$ mile south of Marysville.	-	2-26-43 2-27-43 3-26-43 4- 7-43 5- 6-43 5-21-43 6- 4-43 6-18-43 7- 2-43 7-17-43	7,590 6,160 5,400 10,500 9,000 9,720 7,770 12,800 7,320 8,120
Ebey Slough	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.30 N., R.5 E., at old U.S. Highway 99 bridge at Marysville.	-	2-26-43 2-27-43 3-26-43 4- 7-43 5- 6-43 5-21-43 6- 4-43 6-18-43 7- 2-43 7-17-43	1,750 1,320 1,120 1,640 1,810 1,030 1,580 1,810 997 1,430
Quilceda Creek	Ebey Slough	Center of west line SW $\frac{1}{4}$ sec.35, T.31 N., R.5 E., at crossing of State Highway 1E at Sisco, 4 miles south of Arlington.	3.30	7- 3-46 7-10-46 7-22-46 8-13-46 8-25-46 9-12-46 9-24-46 10-15-46 12-12-46 2- 5-47 3-13-47 4-15-47 5-27-47 6-12-57 7- 1-57 7-25-57 8-15-57 9-10-57 7-22-59 8-26-59 9-23-60	1.53 2.22 1.64 1.76 1.51 1.52 1.62 1.86 32.5 12.4 9.19 5.23 1.52 3.63 1.90 1.53 1.63 1.37 1.46 1.38 2.04
Middle Fork Quilceda Creek	Quilceda Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.31 N., R.5 E., at crossing of Cox Road.	1.56	7-26-46 7-30-46 8- 5-46 8-13-46 8-14-46 8-25-46 9-10-46 9-24-46 10-15-46	.13 .19 .13 .34 .30 .30 .20 .25 .41

- Minus.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snohomish River basin--Continued					
Middle Fork Quilceda Creek(Cont.)	Quilceda Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.31 N., R.5 E., at crossing of Cox Road.		6-12-57 7- 1-57 7-25-57 8-15-57 9-10-57	0.74 .18 .15 .01 0
Do.....	.....do.....	East line NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.30 N., R.5 E., at Shoultes Road 1 mile northeast of Kruse.	7.77	7-10-46 7-23-46 7-31-46 8-12-46 8-25-46 9-10-46 9-23-46 10-14-46 12-12-46 2- 5-47 3-13-47 4-15-47 5-22-47 6-12-57 7- 2-57 7-25-57 8-15-57 9-10-57 8-19-58 7-22-59 8-26-59 9-23-60	4.04 2.73 2.11 2.32 1.76 1.75 1.76 2.10 20.3 6.05 5.26 2.30 .20 3.53 2.24 1.63 1.31 1.51 1.36 1.52 1.50 2.06
Quilceda Creek	Ebey Slough	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.30 N., R.5 E., at gaging station "near Marysville," (operated June 1946 to 1960).	b15.4		
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.30 N., R.5 E., at railroad culvert above Middle Fork, and 1 mile south of Kruse.	17.4	8-12-46 8-25-46 9-10-46 9-23-46 10-14-46 7- 2-57 7-24-57 8-16-57 9-10-57	7.64 6.00 6.19 6.82 7.33 7.74 7.78 7.28 5.46
West Fork Quilceda Creek	Quilceda Creek	South line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.31 N., R.5 E., at Fire Trail Road $\frac{1}{2}$ mile west of Stimson crossing.	3.37	8-13-46 8-25-46 8-20-57 9-10-57	.20 0 0 0
West Fork Quilceda Creek tributary (formerly unnamed stream)	West Fork Quilceda Creek	South line SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.31 N., R.5 E., at Fire Trail Road 0.6 mile west of Stimson crossing.	2.29	8-13-46 8-25-46 8-20-57 9-10-57	0 0 0 0
West Fork Quilceda Creek	Quilceda Creek	South line SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.30 N., R.5 E., at county road crossing $\frac{1}{2}$ mile west of Kruse.	9.41	7-10-46 7-23-46 8-12-46 8-25-46 9-10-46 9-13-46 10-14-46 6-12-57 7- 2-57 7-24-57 8-16-57 9-10-57 7-22-59 8-26-59 9-23-60	1.77 .98 .57 .53 .40 .43 .46 3.77 3.00 2.80 2.96 2.49 3.45 2.68 2.98
Minor streams tributary to Possession Sound					
Mission Creek	Tulalip Bay	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.30 N., R.4 E., at highway crossing 1 $\frac{1}{4}$ miles southeast of Tulalip.	7.92	7-25-46 7-30-46 8- 5-46 8-12-46 8-25-46 9-10-46 9-23-46 10-14-46 6-12-57 6-27-57 7-25-57 8-16-57 9-10-57	1.10 1.49 .96 1.33 .93 1.61 1.55 1.95 3.67 2.23 1.51 1.39 2.59

## PUGET SOUND BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor streams tributary to Possession Sound--Continued					
Mission Creek (Cont.)	Tulalip Bay	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.30 N., R.4 E., at highway crossing $1\frac{1}{2}$ miles southeast of Tulalip.		8-18-58 7-22-59 8-26-59 9-23-60	3.99 .48 1.00 1.98
Lake Shoecraft Outlet	Weallup Lake	South line SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.31 N., R.4 E., at Fire Trail Road 4 miles north of Tulalip.	6.12	7-10-46 8-20-57 9-10-57	0 .14 0
Tulalip Creek	Tulalip Bay	South line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.30 N., R.4 E., at wood weir 200 ft east of road, $\frac{2}{3}$ mile below Weallup Lake, and $2\frac{1}{2}$ miles north of Tulalip.	9.01	9-13-60	2.26
Do.....	.....do.....	On north line NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.30 N., R.4 E., $\frac{1}{3}$ mile above East Branch and 2 miles northeast at Tulalip.	10.9	9-13-60	3.19
East Branch Tulalip Creek	Tulalip Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.30 N., R.4 E., 1,000 ft above reservoirs and $2\frac{1}{2}$ miles northeast of Tulalip.	1.50	9-13-60	.05
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.30 N., R.4 E., at road culvert 0.3 mile above mouth and 2 miles northeast of Tulalip.	1.75	9-13-60	2.01
Do.....	.....do.....	Center of SW $\frac{1}{4}$ sec.22, T.30 N., R.4 E., $\frac{1}{2}$ mile above mouth and $\frac{1}{4}$ mile north of Tulalip.	15.5	7- 1-46 7-15-46 7-30-46 8-15-46 8-22-46 9- 3-46 10- 7-46 10-24-46 10-24-46 8-16-51 6-12-57 6-27-57 7-25-57 8-16-57 9-10-57 8-18-58 9-13-60	9.65 8.03 6.54 6.09 5.69 6.07 11.3 12.0 12.5 5.19 7.91 7.02 5.65 6.13 7.39 4.84 6.71
Stillaguamish River basin					
Deer Creek	South Fork Stillaguamish River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.30 N., R.10 E., at crossing of Mountain Loop Highway at Deer Creek Camp.	4.73	8-29-50	13.4
South Fork Stillaguamish River	Stillaguamish River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.30 N., R.10 E., at gaging station "at Silverton," (operated May 1929 to Sept. 1932).	b37.2		
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.30 N., R.9 E., at gaging station "below Bender Creek, near Silverton," (operated June to Sept. 1950).	b39.6		
Marten Creek	South Fork Stillaguamish River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.30 N., R.9 E., at crossing of Mountain Loop Highway at mouth.	3.22	6-21-50 7-18-50 8-13-50 8-30-50	60.4 21.7 5.66 7.26
South Fork Stillaguamish River	Stillaguamish River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.30 N., R.9 E., at gaging station "near Silverton," (operated Sept. 1910 to Dec. 1917. Published "at Silverton" in 1911).	43.7	12-28-17	3,230
Blackjack Creek	South Fork Stillaguamish River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.30 N., R.9 E., at mouth.	3.28	7-18-50 8-29-50	18.6 5.16
Mallardy Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.30 N., R.9 E., at mouth at Red Bridge Camp ground.	3.64	6-22-50 7-24-50 8-29-50	57.2 12.8 9.73
Boardman Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.30 N., R.9 E., at mouth at Boardman Creek Camp at gaging station "near Silverton," (operated June to Sept. 1950).	9.42		
Schweitzer Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.30 N., R.19 E., at mouth.	1.57	8-29-50	2.06
Wisconsin Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.30 N., R.8 E., at mouth.	.83	8-29-50	.68

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Stillaguamish River basin--Continued					
Black Creek	South Fork Stillaguamish River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.30 N., R.8 E., at road crossing at mouth.	4.57	6- 7-50 6-30-50 7-24-50 8-13-50 8-30-50	48.8 77.0 25.2 8.20 5.05
South Fork Stillaguamish River (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.30 N., R.8 E., at road crossing $\frac{1}{2}$ mile east of Hemple Creek Camp ground.	.24		
Hemple Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.30 N., R.8 E., at road crossing near mouth.	1.07	8-29-50	2.22
Twentytwo Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.30 N., R.8 E., at road crossing 1 mile southeast of Verlot.	1.12	8-29-50	11.2
Benson Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.30 N., R.8 E., at road crossing at Verlot at gaging station "near Granite Falls," (operated June to Sept. 1950)	2.16	10- 3-50 10-11-50 8-13-51	2.12 24.5 .65
Turlo Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.30 N., R.8 E., at road crossing near mouth $\frac{1}{2}$ mile northwest of Verlot Ranger Station.	2.95	6- 7-50 6-30-50 7-24-50 8-13-50 8-30-50	11.0 8.67 3.08 2.64 2.73
South Fork Stillaguamish River tributary No. 2	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.30 N., R.8 E., below road crossing $\frac{1}{4}$ mile northwest of Verlot Ranger Station.	-	8-28-50 9-19-50	.36 .18
South Fork Stillaguamish River tributary No. 3 (formerly Crider Creek)	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.30 N., R.8 E., at road crossing 1 mile northwest of Robe.	-	8-28-50 9-19-50	.55 .13
South Fork Stillaguamish River tributary No. 4	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.30 N., R.8 E., at highway crossing 1 1/3 miles northwest of Verlot Ranger Station.	-	8-28-50 9-19-50	.46 .32
Marsh Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.30 N., R.8 E., 50 ft above road crossing at Robe.	1.30	8-28-50 9-19-50	4.75 4.34
South Fork Stillaguamish River	Stillaguamish River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.30 N., R.8 E., at gaging station "near Robe," (operated Jan. to July 1902, gage heights only).	-		
South Fork Stillaguamish River tributary No. 5	South Fork Stillaguamish River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.30 N., R.8 E., at highway crossing 1 mile northwest of Robe.	-	9-19-50	.60
Cranberry Creek (formerly unnamed creek)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.30 N., R.8 E., at crossing of Mountain Loop Highway $1\frac{1}{2}$ miles northwest of Robe.	3.70	8-27-50 9-19-50	5.16 4.16
South Fork Stillaguamish River	Stillaguamish River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.30 N., R.7 E., at gaging station "near Granite Falls," (operated July 1928 to 1960).	118		
Mud Lake Outlet Creek	Canyon Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.31 N., R.7 E., $\frac{1}{4}$ mile above mouth, 4 miles northeast of Granite Falls.	5.06	6-30-50 7-24-50 8- 7-50 9- 5-50	8.44 2.41 1.45 .67
Canyon Creek	South Fork Stillaguamish River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.30 N., R.7 E., at gaging station "near Granite Falls," (operated Sept. 1911 to Mar. 1913). Gage heights and discharge measurements only June to Oct. 1950.	b55.3	6- 1-11 8-31-11 10-31-11 5-24-12 10-28-13 8-13-51	704 45.8 65.2 367 140 42.3
Do.....	.....do.....	NW $\frac{1}{4}$ sec.5, T.30 N., R.7 E., at gaging station "near Granite Falls," (operated Dec. 1928 to Sept. 30, 1932).	b59.8		

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Stillaguamish River basin--Continued					
Canyon Creek	South Fork Stillaguamish River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.30 N., R.6 E., at mouth $\frac{1}{2}$ mile north of Granite Falls.	62.4	4-17-11 6-18-11 6-10-15 9- 4-15 10- 5-15	249 331 119 43.5 81.9
South Fork Stillaguamish River	Stillaguamish River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.30 N., R.6 E., at gaging station "at Granite Falls," (operated June to Oct. 1911, Oct. 1913 to Oct. 1915).	182	4-17-11 5-24-12 7-13-13	873 1,230 2,420
South Fork Stillaguamish River tributary No. 6	South Fork Stillaguamish River	NW $\frac{1}{4}$ sec.12, T.30 N., R.6 E., at crossing of Jordan Road.	-	8-28-50	Trace
South Fork Stillaguamish River tributary No. 7	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.31 N., R.6 E., at crossing of Jordan Road $1\frac{1}{2}$ miles southeast of Jordan.	2.52	8-22-50 9-19-50	.89 .68
Jordan Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.31 N., R.6 E., at crossing of Jordan Road at Jordan.	3.44	6-13-50 6-13-50 6-30-50 7-25-50 8-13-50 8-30-50	1.34 1.34 2.08 .85 .50 .47
South Fork Stillaguamish River	Stillaguamish River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.31 N., R.7 E., at gaging station "above Jim Creek, near Arlington," (operated Oct. 1936 to Oct. 1957).	199	11-20-57 11-22-59	835 128,800
Jim Creek	South Fork Stillaguamish River	Near center sec.4, T.31 N., R.7 E., at gaging station "near Oso," (operated Sept. 1947 to Oct. 1948).	b9.85		
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.31 N., R.7 E., at gaging station "near Oso," (operated Mar. to Dec. 1949).	b 10.9	1-31-49 3-20-50 4-27-50	12.9 112 51.8
Cub Creek	Jim Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.32 N., R.7 E., at gaging station "near Oso," (operated Apr. 1949 to Dec. 1950).	b6.44		
Jim Creek	South Fork Stillaguamish River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.32 N., R.6 E., at bridge $6\frac{1}{2}$ miles northeast of Arlington.	27.0	2-24-50	1,280
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.31 N., R.6 E., at gaging station "near Arlington," (operated Oct. 1937 to Sept. 1951, Sept. 1952 to Apr. 1957).	b46.2	3-13-37 4-16-37 6-24-37 7-16-37 9-16-37 11- 5-51 12-28-51 2- 7-52 3- 7-52 4-23-52 6- 6-52 7-15-52 7-25-52 8-23-52 9-15-52	327 802 422 37.1 16.6 83.5 154 309 141 126 93.6 25.7 53.1 34.6 34.6
South Fork Stillaguamish River tributary No. 8	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.31 N., R.6 E., 100 ft below private trout farm, 200 ft above Jordan Road, $1\frac{1}{2}$ miles east of Arlington.	-	8-22-50 9-19-50	1.79 1.62
South Fork Stillaguamish River	Stillaguamish River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.31 N., R.6 E., at gaging station "near Arlington," (operated Dec. 1928 to Nov. 1936).	b251		
South Fork Stillaguamish River tributary No. 9	South Fork Stillaguamish River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.32 N., R.5 E., 100 ft below road crossing, $1\frac{1}{2}$ mile northeast of Darrington.	.44	8-22-50 9-19-50	.17 .13
Squire Creek	North Fork Stillaguamish River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.32 N., R.9 E., at gaging station "near Darrington," (operated June 1950 to 1960).	b20.0		

† Peak flow.

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Stillaguamish River basin--Continued					
Ashton Creek	Squire Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.32 N., R.9 E., 100 ft above crossing of Darrington Road, 3 miles northwest of Darrington.	3.63	6- 9-50 6-27-50 7-22-50 8-11-50 8-31-50 9-20-50	23.2 31.4 27.0 7.29 6.92 0
Squire Creek tributary (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.32 N., R.9 E., 300 ft below crossing of Darrington Road, 3 miles northwest of Darrington.	-	8-27-50 9-20-50	1.73 0
North Fork Stillaguamish River	Stillaguamish River	NW $\frac{1}{4}$ sec.7, T.32 N., R.9 E., at gaging station "near Darrington," (operated June 1950 to Sept. 1957).	82.2	10- 8-57 11-24-57 12-22-57 1-30-58 3-15-58	40.5 172 620 1,110 216
Segelson Creek	North Fork Stillaguamish River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.32 N., R.8 E., at county road crossing $1\frac{1}{2}$ miles northeast of Fortson.	4.08	6-14-50 6-27-50 7-22-50 8-11-50 8-31-50	60.4 50.1 19.1 4.58 4.93
French Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.32 N., R.8 E., 300 ft above crossing of Darrington Road $1\frac{1}{2}$ miles west of Fortson.	9.13	6- 9-50 6-28-50 7-22-50 8-11-50 8-31-50	48.4 62.2 19.4 7.83 9.81
Boulder River	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.32 N., R.8 E., at gaging station "near Oso," (operated June to Sept. 1950).	b22.4	10- 3-50 10- 3-50 8-16-51	61.4 60.3 45.7
North Fork Stillaguamish River tributary (formerly unnamed stream)	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.32 N., R.8 E., 30 ft above crossing of Darrington Road, 5 miles east of Oso.	.17	8-27-50 9-20-50	.73 .81
North Fork Stillaguamish River tributary No. 2	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.32 N., R.8 E., 50 ft above crossing of Darrington Road, $4\frac{1}{2}$ miles east of Oso.	.29	8-27-50 9-20-50	.83 .68
North Fork Stillaguamish River tributary No. 3	.....do.....	Near center sec.12, T.32 N., R.7 E., at road crossing 4 miles east of Oso.	.74		
Montague Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.32 N., R.7 E., 200 ft above crossing of Darrington Road, $2\frac{1}{2}$ miles east of Oso.	4.91	6-14-50 6-28-50 7-21-50 8-10-50 8-31-50	12.4 11.6 2.99 1.95 3.00
Brooks Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.32 N., R.7 E., at county road crossing $1\frac{1}{2}$ miles northeast of Oso.	4.66	6-14-50 6-28-50 7-21-50 8-10-50 8-31-50	18.5 11.8 5.62 4.29 4.68
North Fork Stillaguamish River tributary No. 4	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.32 N., R.7 E., 200 ft below county road bridge.	2.04	8-27-50 9-20-50	2.19 1.51
North Fork Stillaguamish River tributary No. 5	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.32 N., R.7 E., at crossing of Darrington Road $\frac{1}{2}$ mile east of Oso.	1.45		
Deer Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.33 N., R.7 E., 100 ft below Rick Creek $6\frac{1}{2}$ miles north of Oso.	49.6	9- 7-50	54.3

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Stillaguamish River basin--Continued					
Deer Creek	North Fork Stillaguamish River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.32 N., R.7 E., at gaging station "at Oso," (operated Aug. 1917 to Sept. 1930, June to Sept. 1950).	65.9	6-19-17 8- 4-17 10-11-50 8-16-51 8-18-56	914 153 884 26.1 51.8
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.32 N., R.7 E., at Darrington Road at Oso, (measurement site for above station).	66.9		
North Fork Stillaguamish River tributary No. 6	.....do.....	Center of south line sec.7, T.32 N., R.7 E., at crossing of Darrington Road 1 mile west of Oso.	1.22	8-27-50 9-20-50	1.27 .83
North Fork Stillaguamish River tributary No. 7	.....do.....	SE $\frac{1}{4}$ sec.12, T.32 N., R.6 E., at road crossing $\frac{1}{4}$ miles west of Oso.	-	8-26-50	Trace
North Fork Stillaguamish River tributary No. 8	.....do.....	SW $\frac{1}{4}$ sec.12, T.32 N., R.6 E., at crossing of Darrington Road 2 miles west of Oso.	-	9-20-50	.46
North Fork Stillaguamish River tributary No. 9	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.32 N., R.6 E., at crossing of Darrington Road 3 miles west of Oso.	2.95	8-26-50 9-20-50	2.11 2.10
North Fork Stillaguamish River	Stillaguamish River	South line SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.32 N., R.6 E., at gaging station "near Arlington," (operated July 1928 to 1960).	262		
North Fork Stillaguamish River tributary No. 10	North Fork Stillaguamish River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.32 N., R.6 E., 300 ft below crossing of Darrington Road $\frac{1}{4}$ mile north of Trafton.	1.26	8-26-50 9-20-50	2.17 2.06
North Fork Stillaguamish River tributary No. 11	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.32 N., R.6 E., 100 ft above crossing of Darrington Road $2\frac{1}{2}$ miles north-east of Arlington.	.98	8-26-50 9-20-50	2.27 2.15
North Fork Stillaguamish River tributary No. 12	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.32 N., R.6 E., at Darrington Road $2\frac{1}{3}$ miles northeast of Arlington.	-	8-26-50	Trace
North Fork Stillaguamish River tributary No. 13	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.32 N., R.6 E., at Darrington Road $2\frac{1}{4}$ miles northeast of Arlington.	1.16	8-26-50 9-19-50	1.87 1.69
Stillaguamish River	Port Susan	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.31 N., R.5 E., at bridge on State Highway 1A at Arlington.	539	11-23-59	†59,600
Armstrong Creek	Stillaguamish River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.32 N., R.5 E., $\frac{1}{4}$ mile below Lake Armstrong.	.63		
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.32 N., R.5 E., at gaging station "near Arlington," (operated June 1950 to Sept. 1951, Sept. 1952 to Dec. 1957).	7.32	11- 7-51 12-19-51 2- 4-52 3-11-52 4-18-52 5- 5-52 6- 6-52 7-14-52 7-22-52 8-12-52 8-14-52 8-22-52 8-23-52	3.96 49.0 29.3 62.6 9.07 7.70 4.96 3.62 3.77 3.00 3.05 5.20 3.14
Stillaguamish River	Port Susan	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.31 N., R.5 E., $1\frac{1}{2}$ miles above bridge on U.S. Highway 99, (stage station operated in 1938).	554		

† Peak flow.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Stillaguamish River basin--Continued					
Stillaguamish River	Port Susan	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.31 N., R.5 E., at crossing of U.S. Highway 99.	557	6-30-38 10-14-38 11-19-38 5-13-43 5-21-43 6- 4-43 6-18-43 7-17-43 8-28-43 5- 8-44 6-22-44	1,280 3,910 8,850 3,130 3,290 2,880 4,540 1,750 547 3,470 1,450
Cook Slough	South Slough	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.31 N., R.4 E., at crossing of State Highway 1E at Sylvania.	-	10-21-38 5-13-43 5-21-43 6- 4-43 6-18-43 7-17-43 8-28-43 9-23-43 5- 8-44 6-22-44	289 2,010 2,080 1,680 2,670 1,200 416 395 2,100 874
Stillaguamish River	Port Susan	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.31 N., R.5 E., 400 ft below Cook Slough.	-	6-30-38 10-14-38 10-21-38 11-18-38 11-19-38 1-25-39 3-16-39 5-16-39 8-28-43 9-23-43	853 1,980 549 3,600 6,460 1,910 1,080 2,530 131 111
Pilchuck Creek	Stillaguamish River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.33 N., R.6 E., 100 ft above road crossing, 600 ft above Lake Creek.	15.8	6-15-50 6-29-50 7-25-50 8-10-50 8-30-50	73.6 77.6 6.81 7.57 7.20
Lake Creek	Pilchuck Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.33 N., R.6 E., 1,500 ft below Lake Cavanaugh.	-	6- 4-30	22.3
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.33 N., R.6 E., $\frac{1}{2}$ mile below Lake Cavanaugh.	-	5-27-29 6-29-29 9-17-29 5-16-30 8-22-30 9-29-30 12- 3-30 3-17-31 9-26-31	19.6 12.4 1.44 9.03 .34 10.0 33.8 55.2 31.0
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.33 N., R.6 E., 100 ft below road crossing, 1 mile below Lake Cavanaugh.	8.43	6-15-50 6-29-50 7-25-50 8-10-50 8-29-50 4-16-51	.53 4.59 8.92 .14 3.63 35.9
Bear Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.33 N., R.6 E., at crossing of Lake Cavanaugh Road near mouth.	7.27	8-29-50 9-21-50	5.81 1.42
Pilchuck Creek tributary (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.33 N., R.6 E., at crossing of Lake Cavanaugh Road.	.32	8-30-50	0
Pilchuck Creek tributary No. 2	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.33 N., R.5 E., at crossing of Lake Cavanaugh Road.	.78	8-30-50	Trace
Pilchuck Creek tributary No. 3	.....do.....	North line NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.33 N., R.5 E., at crossing of Lake Cavanaugh Road.	.33	8-30-50	0
Pilchuck Creek tributary No. 4	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.33 N., R.5 E., at crossing of Lake Cavanaugh Road.	.63	8-30-50	0
Pilchuck Creek	Stillaguamish River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.32 N., R.5 E., at gaging station "near Bryant," (operated Mar. 1929 to Sept. 1931, June 1950 to Sept. 1951, Sept. 1952 to 1960).	b52.0	11- 6-51 12-19-51 1-31-52 3-12-52	105 617 1,010 432

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Stillaguamish River basin--Continued					
Filchuck Creek	Stillaguamish River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.32 N., R.5 E., at gaging station "near Bryant."		4-17-52 6- 6-52 7-16-52 8-23-52	243 97.7 16.1 58.0
Do.....	.....do.....	Center of NE $\frac{1}{4}$ sec.16, T.32 N., R.5 E., 800 ft below State Highway 1A.	52.4	2- 3-23	78.2
Filchuck Creek tributary No. 5	Filchuck Creek	West line NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.32 N., R.4 E., at county road 2 miles northeast of Silvana.	1.89		
Filchuck Creek	Stillaguamish River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.31 N., R.5 E., 50 ft above mouth $\frac{1}{4}$ miles northeast of Silvana.	76.2	8-22-50	25.7
Portage Creek	South Slough	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.31 N., R.5 E., at gaging station "near Arlington," (operated June to Sept. 1950).	68.97	8-17-51	10.8
Fish Creek	Portage Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.31 N., R.5 E., at gaging station "near Arlington," (operated June 1950 to Nov. 1953. Crest-stage gage operated 1954 to 1960).	7.52	6-12-50 6-12-50 12-31-54 12-20-55 2-24-57 2-24-58 1-24-59 1-29-60	1.18 1.12 71.1 207 134 68.5 123 108
Stillaguamish River tributary (formerly unnamed stream)	Stillaguamish River.	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.31 N., R.4 E., at road crossing $\frac{1}{2}$ miles west of Silvana.	1.91	8-21-50	.18
Stillaguamish River tributary No. 2	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.31 N., R.4 E., at road crossing 3 miles west of Silvana.	.60	8-22-50	.20
Stillaguamish River	Port Susan.	NE $\frac{1}{4}$ sec.5, T.31 N., R.4 E., above Hat Slough.	-	10- 8-08	534
Miller Creek	Stillaguamish River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.32 N., R.4 E., at crossing of Miller Road $\frac{1}{2}$ mile east of Florence.	2.58	8-21-50 9-19-50	.90 1.55
Stillaguamish River	Port Susan	NW $\frac{1}{4}$ sec.32, T.32 N., R.4 E., at Florence.	-	10- 8-08	322
Church Creek	Jorgenson Creek	South line SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.32 N., R.4 E., at gaging station "near Stanwood," (operated June to Sept. 1950).	67.42	10- 2-50	.42
Skagit River basin					
Skagit River	Skagit Bay (Ross Lake)	Lat. 49°00'05", long. 121°04'15", at gaging station "at international boundary, near Hope," (operated Dec. 1953 to 1960).	381		
Lightning Creek	Skagit River (Ross Lake)	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.39 N., R.14 E., at gaging station "near Newhalem," (operated Oct. 1943 to May 1948).	129	6- 8-43	3,630
Do.....	.....do.....	SE $\frac{1}{4}$ sec.8, T.39 N., R.14 E., 1 mile above mouth.	-	7-21-09	890
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.39 N., R.14 E., at trail crossing $\frac{1}{2}$ mile above mouth.	134	8-21-36	111
Skagit River	Skagit Bay	NE $\frac{1}{4}$ sec.18, T.39 N., R.14 E., $\frac{1}{4}$ mile below Lightning Creek.	642	7- -09	3,290
Do.....	.....do.....	NW $\frac{1}{4}$ sec.30, T.39 N., R.13 E., at gaging station "above Devils Creek, near Newhalem," (operated Mar. 1940 to Sept. 1945).	6655		
Devils Creek	Skagit River	SW $\frac{1}{4}$ sec.32, T.39 N., R.14 E., $\frac{1}{2}$ miles above mouth.	31.5	7-19-09	308
Do.....	.....do.....	NW $\frac{1}{4}$ sec.31, T.39 N., R.14 E., $\frac{1}{2}$ mile above mouth.	-	8-21-36	61.5
Big Beaver Creek (formerly Beaver Creek)	.....do.....	NE $\frac{1}{4}$ sec.14, T.38 N., R.13 E., at gaging station "near Newhalem," (operated Mar. 1940 to Sept. 1948).	663.2		

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Big Beaver Creek (formerly Beaver Creek)	Skagit River	SW $\frac{1}{4}$ sec.13, T.38 N., R.13 E., 500 ft above former mouth.	67.8	7-18-09 8-17-13 7-11-34 8-19-36	700 437 512 275
Skagit River	Skagit Bay	NE $\frac{1}{4}$ sec.30, T.38 N., R.14 E., at gaging station "near Newhalem," (operated Mar. 1930 to Mar. 1940).	b780	9- 4-28 10-15-28 12- 5-28 2- 1-29	924 638 366 500
Canyon Creek	Ruby Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.37 N., R.16 E., at bridge 500 ft above mouth.	58.8	12- 7-46 1- 1-47 1-31-47 2-27-47 8- 8-47 9-21-47 11- 3-47 12- 3-47 12-31-47 2- 1-48 2-27-48 4- 2-48	45.8 40.3 46.1 82.4 106 45.1 110 83.2 71.4 41.8 39.6 63.9
Granite Creek	Ruby Creek	NW $\frac{1}{4}$ sec.22, T.37 N., R.16 E., at gaging station "near Newhalem," (operated Oct. 1946 to Apr. 1948).	71.0	6-10-48	1,890
Ruby Creek	Skagit River	NW $\frac{1}{4}$ sec.10, T.37 N., R.14 E., at gaging station "below Panther Creek, near Newhalem," (operated Sept. 1948 to Sept. 1956).	b206	10-26-56	444
Do.....	.....do.....	SE $\frac{1}{4}$ sec.5, T.37 N., R.14 E., at gaging station "near Newhalem," (operated Mar. 1940 to May 1949).	210	6-21-49	1,300
Do.....	.....do.....	SW $\frac{1}{4}$ sec.31, T.38 N., R.14 E., at gaging station "near Newhalem," (operated June 1919 to Mar. 1920, Sept. 1928 to Mar. 1940).	b215	9-16-18 12-16-18 2-20-19 5- 8-19 5- 9-19 7-13-20	234 609 166 1,590 1,610 1,370
Do.....	.....do.....	NE $\frac{1}{4}$ sec.36, T.38 N., R.13 E., at mouth.	-	7-16-09	1,260
Skagit River	Skagit Bay	NW $\frac{1}{4}$ sec.36, T.38 N., R.13 E., at gaging station "below Ruby Creek, near Newhalem," (operated June 1919 to Sept. 1930).	999	12-12-16 12-14-18 11-14-30 1-11-31 11- 4-31 4-22-33	2,060 5,250 1,130 528 1,750 3,430
Thunder Creek	Diablo Lake	S $\frac{1}{2}$ sec.12, T.37 N., R.14 E., $\frac{1}{2}$ mile above Middle Cabin and McAllister Creek.	-	5- 7-19	5,960
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.36 N., R.13 E., at gaging station "below McAllister Creek, near Newhalem," (operated Oct. 1957 to 1960).	b91.7	7-24-09 1-17-20	1,600 1,160
Do.....	.....do.....	SE $\frac{1}{4}$ sec.23, T.37 N., R.13 E., at gaging station "near Newhalem," (operated Oct. 1930 to 1960).	105		
Colonial Creek	.....do.....	NW $\frac{1}{4}$ sec.15, T.37 N., R.13 E., at mouth.	3.15	10-28-20 9-19-29 10-18-29 12- 7-29	13.1 27.6 8.7 .71
Thunder Creek	.....do.....	NW $\frac{1}{4}$ sec.10, T.37 N., R.13 E., at gaging station "near Marblemount," (operated Feb. 1919 to Sept. 1930).	b114	6-26-18 9-21-18 11- 2-18 11- 6-18 11-11-18 2-13-19 2-18-19	1,700 735 383 240 297 146 133
Skagit River	Skagit Bay	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.37 N., R.13 E., at gaging station "at Reflector Bar, near Newhalem," (operated 1913 to Sept. 1922).	b1,125	2-13-29 2-15-29 6-26-29 6-19-31 10-16-31	676 579 11,300 5,170 2,090

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Stetattle Creek	Skagit River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.37 N., R.13 E., at gaging station "near Newhalem," (operated Jan. to Mar. 1914, Dec. 1914 to Apr. 1915, Sept. 1933 to 1960).	22.0	7-15-09 1-26-14 5- 9-14 5-15-14 8-25-14 9-15-14 7-20-15 9-10-15 6-16-18 6-20-18 6-24-18 9-18-18 11- 7-18 2-24-19 3-10-19 7-28-19 7-28-19 9-27-19 3-29-20 7-11-20 2-17-29 10-17-31 12- 4-31 4- 8-32 6-12-32 7-11-32	526 49.1 248 489 88.5 73.4 130 35.0 260 331 392 82.8 68.6 33.5 26.0 221 317 51.0 45.1 281 10.6 36.1 42.8 109 567 264
Pyramid Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.37 N., R.13 E., at crossing of transmission line.	2.41	4-25-34	47.2
Skagit River	Skagit Bay	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.37 N., R.12 E., at gaging station "at Ferry Bar, near Newhalem," (operated for city of Seattle 1951 to 1954. Records not published.) Measurements on file in district office for above period and for 1932 to 1936, 1943 to 1957.	-		
Ladder Creek	Skagit River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.27 N., R.12 E., 250 ft above mouth at gorge powerhouse at Newhalem.	7.95	4-26-34 7-16-60	97.1 89.0
Skagit River	Skagit Bay	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.37 N., R.12 E., at gaging station "at Newhalem," (operated Oct. 1908 to May 1914, Oct. 1920 to 1960).	1,175	8-27-14 9-16-14	2,770 1,360
Newhalem Creek	Skagit River	NW $\frac{1}{4}$ sec.34, T.37 N., R.12 E., 2 miles above mouth.	-	7-12-09	620
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.37 N., R.12 E., $\frac{1}{4}$ mile above mouth.	-	3-14-11 6-18-18 9-20-18 10-22-18 2-25-19 3-13-19 7-22-19 9-26-19 3-29-20	36.4 295 53 8.85 64.5 39.5 302 49.4 8.59
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.37 N., R.12 E., 400 ft above mouth and $\frac{1}{2}$ mile west of Newhalem.	28.1	8-30-43 9- 7-43 9-19-43 10- 7-43 10-20-43 9- 8-44 8- 9-60	86.1 58.9 46.4 5.78 65.6 5.60 74.6
Powerplant tailrace	Newhalem Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.37 N., R.12 E., 50 ft below powerplant.	-	10- 7-43 9- 8-44 8- 9-60	35.9 23.4 58.7
Goodell Creek	Skagit River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.37 N., R.12 E., 1 mile above mouth and 1 mile northwest of Newhalem.	37.9	6-17-18 9-19-43 9-28-43	712 108 129
Do.....	.....do.....	SE $\frac{1}{4}$ sec.20, T.37 N., R.12 E., at gaging station "at Newhalem," (operated Sept. to Oct. 1943, July to Oct. 1944).	38.8	7- 8-09 3-15-11 8- 9-60	465 53.1 303
Babcock Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.37 N., R.12 E., at road crossing 1 mile southwest of Newhalem.	1.78	3-14-11 9-18-43 9-27-43	12.2 0 0

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Thornton Creek	Skagit River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.37 N., R.11 E., at old bridge 300 ft above mouth and 2 $\frac{1}{2}$ miles southwest of Newhalem.	4.57	8-21-43 9- 8-43 9-18-43 9-27-43 10- 7-43 10-20-43 8-11-44 9-21-44 10-24-44 7-13-60 8-13-60	17.5 10.4 7.71 8.89 6.18 14.2 7.91 62.4 18.0 46.3 12.8
Sky Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.36 N., R.11 E., at road crossing at mouth.	1.30	9-18-43 9-27-43 9- 8-44	.31 .50 Trace
Damnation Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.36 N., R.11 E., at road crossing near mouth and 4 $\frac{1}{2}$ miles southwest of Newhalem.	5.08	8-21-43 9- 8-43 9-18-43 9-27-43 10- 7-43 10-20-43 8- 9-60	7.12 3.93 4.32 4.84 4.40 8.27 5.27
Skagit River tributary (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ sec.11, T.36 N., R.11 E., at road crossing 5 miles southwest of Newhalem.	-	9-18-43	.44
Skagit River	Skagit Bay..	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.36 N., R.11 E., at gaging station "above Alma Creek, near Marblemount," (operated Oct. 1950 to 1960).	1,274		
Alma Creek	Skagit River	Center of south line sec.15, T.36 N., R.11 E., at gaging station "near Marblemount," (operated Aug. to Oct. 1943).	8.37	1-12-44 7-11-44 8-11-44 8- 9-60	20.2 37.5 21.8 40.4
Copper Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.36 N., R.11 E., 500 ft above mouth and 1 mile east of Bacon Creek siding.	3.77	9-19-43	0
Bacon Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.36 N., R.11 E., 1.9 miles above gaging station and 1.6 miles northwest of Bacon Creek siding.	48.2	9-28-43 9- 8-44	139 97.3
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.36 N., R.11 E., at gaging station "near Marblemount," (operated July 1943 to Sept. 1950).	b51.1	7- 8-09 3-15-11 10- 5-50 8-15-51 8-19-58 8-10-60	337 159 400 181 151 258
Diobsud Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.36 N., R.11 E., 1 mile above gaging station and 3 $\frac{1}{2}$ miles north of Marblemount.	24.0	9-28-43	45.2
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.36 N., R.11 E., at gaging station "near Marblemount," (operated July to Oct. 1943, July to Nov. 1944).	25.4	3-14-11 7-13-60 8- 9-60	78.8 194 85.6
Olson Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.36 N., R.10 E., at forest service road 1 $\frac{1}{2}$ miles north of Marblemount.	4.30	8-21-43 9- 7-43 9-19-43 9-27-43 10- 7-43 10-19-43 9- 8-44 7-14-60 8-10-60	1.20 .87 .58 .52 .33 .58 Trace 1.20 .56
Skagit River	Skagit Bay	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.35 N., R.11 E., at gaging station "at Marblemount," (operated Sept. 1943 to July 1944, Oct. 1946 to Sept. 1951).	bl,381	10- 3-51	8,490
South Fork Cascade River	Cascade River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.33 N., R.13 E., at gaging station "near Marblemount," (operated July 1957 to 1960. Seasonal only).	2.36		
North Fork Cascade River	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.35 N., R.13 E., just above Hidden Lake Creek and 2 miles above mouth.	16.3	4- 8-09	135

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Sibley Creek	Cascade River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.35 N., R.12 E., 400 ft below road crossing 8 $\frac{1}{2}$ miles east of Marblemount.	4.73	9-19-43 9-28-43 9- 7-44	12.6 9.05 5.08
Marble Creek	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.35 N., R.12 E., at gaging station "near Marblemount," (operated Aug. to Oct. 1943, July to Nov. 1944).	b17.1	8-19-11	80
Cascade River	Skagit River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.35 N., R.12 E., at gaging station "near Marblemount," (operated Mar. 1909 to Apr. 1913).	139		
Irene Creek	Cascade River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.35 N., R.12 E., at mouth 5 miles east of Marblemount.	6.44	9-19-43	6.51
Boulder Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.35 N., R.11 E., at logging bridge crossing $\frac{1}{4}$ mile above mouth and 3 $\frac{1}{2}$ miles southeast of Marblemount.	8.09	8-24-43 9- 8-43 9-19-43 9-28-43 10- 8-43 7-11-44 8-12-44 9-23-44 8- 9-60	22.8 14.5 15.3 13.4 12.4 31.9 14.3 33.4 34.5
Cascade River	Skagit River	West line NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.35 N., R.11 E., at gaging station "at Marblemount," (operated Sept. 1928 to 1960).	168		
North Fork Clark Creek	Clark Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.35 N., R.11 E., 900 ft above confluence and 1 mile southeast of Marblemount.	-	5-30-44 7-12-44 8-13-44 9-25-44 10-25-44 1-30-45 4- 3-45	11.7 7.73 6.94 10.0 8.08 10.0 16.7
South Fork Clark Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.35 N., R.11 E., 1,000 ft above confluence and county bridge, 1 mile southeast of Marblemount.	-	5-30-44	.51
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.35 N., R.11 E., at confluence 100 ft above county bridge.	-	5-30-44	1.55
Clark Creek <sup>ee</sup>	Cascade River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.35 N., R.11 E., at gaging station "at Marblemount," (operated July 1944 to June 1946).	1.42	8-20-43 9- 7-43 9-27-43 10- 8-43 10-19-43 5-24-44 5-30-44 7-12-44 7-12-46 7-14-60 8- 9-60	8.72 8.18 7.67 6.61 8.21 15.6 15.8 10.2 19.2 14.0 10.0
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.35 N., R.11 E., 200 ft above mouth, 300 ft below gaging station and $\frac{1}{2}$ mile southeast of Marblemount.	-	8-20-43 9- 7-43 9-18-43	11.8 9.28 8.07
Jordan Creek	Skagit River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.35 N., R.11 E., at gaging station "at Marblemount," (operated Aug. to Oct. 1943, July 1944 to Nov. 1947).	12.0	7-14-60 8- 9-60	64.4 22.6
Backus Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.35 N., R.10 E., at crossing of Backus ranger station road $\frac{1}{4}$ mile south of Backus ranger station.	4.12	9-19-43 9-27-43 9- 7-44	.30 .19 0
Corkindale Creek	.....do.....	East line SE $\frac{1}{4}$ sec.15, T.35 N., R.10 E., $\frac{1}{2}$ mile north of Corkindale.	4.12	8-20-43 9- 7-43 9-19-43 9-27-43	.89 .34 .09 .15
Rocky Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.35 N., R.10 E., at gaging station "near Marblemount," (operated Aug. to Nov. 1943).	10.0	8-20-43 7-11-44 8-13-44 9-25-44 10-25-44 7-14-60 8-10-60	7.76 8.07 8.10 37.8 25.6 36.1 4.05
O'brian Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.35 N., R.10 E., at crossing of transmission line 3 $\frac{1}{2}$ miles southwest of Rockport.	-	9-18-43	0

b Revised.

ee Formerly tributary to Jordan Creek.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Illabot Creek	Skagit River	SW $\frac{1}{4}$ sec.34, T.35 N., R.10 E., at gaging station "near Rockport," (operated July to Nov. 1944).	41.3		
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.35 N., R.10 E., at gaging station "near Rockport," (operated Aug. to Oct. 1943).	42.4	7-15-60 8- 8-60	313 144
Swift Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.35 N., R.10 E., at highway bridge 300 ft above mouth and 2 miles east of Rockport.	1.39	8-20-43 9- 6-43 9-17-43 9-27-43 10- 7-43 10-18-43 9- 7-44 7-14-60 8-10-60	3.07 2.18 1.52 1.14 .75 4.21 .69 9.22 0
Martin Creek	.....do.....	N $\frac{1}{2}$ sec.6, T.34 N., R.10 E., at road crossing 2 miles southwest of Rockport.	-	9- 7-44	0
North Fork Sauk River	Sauk River	NW $\frac{1}{4}$ sec.13, T.30 N., R.11 E., at gaging station "near Barlow Pass," (operated Oct. 1917 to Dec. 1920).	76.4	9-30-17	150
South Fork Sauk River	.....do.....	NE $\frac{1}{4}$ sec.29, T.30 N., R.11 E., at gaging station "near Barlow Pass," (operated Oct. 1917 to Oct. 1921, Oct. 1928 to Oct. 1931).	b33.1	9-25-17 9- 5-22 11-14-31	88.9 251 532
Sauk River	Skagit River	NW $\frac{1}{4}$ sec.24, T.31 N., R.10 E., at gaging station "above Whitechuck River, near Darrington," (operated Oct. 1917 to Sept. 1922, Aug. 1928 to 1960).	153	5-11-09 8-25-10 9- 3-11	1,400 256 451
Whitechuck River	Sauk River	NW $\frac{1}{4}$ sec.16, T.31 N., R.11 E., at gaging station "near Darrington," (operated July 1920 to Nov. 1921).	b77.9		
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.31 N., R.10 E., near mouth.	86.2	5-11-09 8-29-10	360 219
Sauk River	Skagit River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.32 N., R.10 E., at gaging station "above Clear Creek, near Darrington," (operated S pt. 1910 to Sept. 1911, Jan. to Apr., July to Sept. 1913).	259	12-19-11 10-26-13 5-12-14	983 1,300 2,490
Clear Creek	Sauk River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.32 N., R.10 E., near mouth.	29.0	8-28-10 10- 7-10 10-18-10 11-10-10 12-17-10 1- 4-11 2- 8-11 2-19-11 3- 1-11 4-18-11 5-26-11 6-16-11 8- 3-11 9- 2-11 3-17-13 10-24-13 5-12-14 9-25-19 6- 8-50 7-23-50 8-12-50 9- 1-50 8-16-51	18.4 673 510 4,080 244 167 64.4 74.5 47.9 230 281 364 209 20.0 577 149 265 22.9 394 300 92.6 65.0 19.4
Sauk River	Skagit River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.32 N., R.9 E., at gaging station "at Darrington," (operated June 1914 to Oct. 1926, June 1928 to Sept. 1932).	293	10-26-13 5-12-14	1,420 2,760
Dan Creek	Sauk River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.32 N., R.10 E., 300 ft above county road bridge, 2 $\frac{1}{2}$ miles northeast of Darrington.	a16.4	6- 8-50 7-23-50 8-12-50 8-31-50	87.0 48.3 14.7 11.6
Suiattle River	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.31 N., R.15 E., 200 ft above Small Creek.	28.6	2- 1-56 3-29-56	48.2 39.8
Small Creek	Suiattle River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.31 N., R.15 E., 200 ft above	3.61	2- 1-56 3-11-56 3-29-56 8-23-56 9-13-56	3.46 2.63 2.00 12.4 7.70

a Approximately.  
b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Suiattle River	Sauk River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.31 N., R.15 E., just below Small Creek.	32.3	3-11-56	61.4
Miners Creek	Suiattle River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.31 N., R.15 E., 600 ft above mouth.	11.4	2- 1-56 3-11-56 3-29-56 8-23-56 9-18-56	10.9 4.15 7.83 58.3 23.1
Sulphur Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.32 N., R.12 E., $\frac{1}{4}$ mile above mouth.	33.3	8-22-13	185
Downey Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.32 N., R.12 E., at camp grounds at mouth.	35.2	8-22-13	208
Suiattle River	Sauk River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.32 N., R.12 E., 1 mile below Downey Creek.	186	- -09	1,400
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.32 N., R.12 E., at gaging station "below Lime Creek, near Darrington," (operated Oct. 1920 to Nov. 1921).	213	8-23-13	1,580
Buck Creek	Suiattle River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.32 N., R.12 E., 150 ft below road bridge.	33.2	6-28-09 8-22-13	452 177
Tenas Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.33 N., R.11 E., at road bridge $\frac{1}{4}$ mile above mouth.	10.5	6-27-09 8-31-43 9- 4-43 9-17-43 9-25-43 10- 6-43 10-15-43 7-12-44 8-17-44 10- 3-44 10-23-44 7-15-60 8- 8-60	246 26.4 22.8 18.4 15.3 13.8 19.8 31.5 20.6 49.5 27.6 55.2 29.9
Big Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18 T.33 N., R.11 E., at gaging station "near Mansford," (operated Aug. 1943 to Oct. 1946).	21.0		
Suiattle River	Sauk River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.33 N., R.10 E., at gaging station "near Mansford," (operated July 1938 to Nov. 1949).	335	4-29-56	2,260
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.33 N., R.10 E., 3 miles above mouth.	339	6-27-09	3,000
Sauk River tributary	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.33 N., R.10 E., at Darrington-Concrete Road, (crest-stage gage "Sauk River tributary near Darrington."	1.11	2-10-51 2- 5-52 1-31-53 12-19-53 2- 8-55 11- 3-55 12- 9-56 12-25-57 11-12-58 11-22-59	160 50.6 145 88.0 78.2 87.6 184 55 122 128
Sauk River	Skagit River	Sec.13, T.34 N., R.10 E., at gaging station "at Suiattle crossing, near Sauk," (operated 1910-12, fragmentary).	-	10-16-10 11- 8-10	3,240 11,300
White Creek	Sauk River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.34 N., R.10 E., 200 ft below old road bridge, $\frac{1}{4}$ mile above mouth, and $6\frac{1}{2}$ miles southeast of Rockport.	9.50	8-31-43 9- 4-43 9-17-43 9-25-43 10- 6-43 10-15-43 7- 2-44 8-18-44 10- 3-44 10-23-44 7-15-60 8- 8-60	6.35 7.74 5.38 3.60 3.90 10.6 11.1 5.48 55.6 33.7 18.5 7.41
Sauk River	Skagit River	NW $\frac{1}{4}$ sec.19, T.34 N., R.10 E., at gaging station "near Sauk," (operated July 1928 to 1960).	714	3-16-13 3-18-13	1,940 3,580
Jackman Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.35 N., R.8 E., at gaging station "near Concrete," (operated Aug. 1943 to Sept. 1947).	23.9	4-20-11 9-11-12 8-15-51	84.5 45.0 12.3



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Jackman Creek (Cont.)	Skagit River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.35 N., R.8 E., at gaging station "near Concrete."		8-19-57 8-18-58 7-14-60 8- 2-60	9.06 9.43 76.6 28.2
Sandy Creek	Baker River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.37 N., R.8 E., at gaging station "near Concrete," (operated Mar. 1953 to Oct. 1954).	10.8		
Baker River	Lake Shannon	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.37 N., R.9 E., at gaging station "below Anderson Creek, near Concrete," (operated Sept. 1910 to Oct. 1925, Aug. 1928 to Nov. 1931, Jan. 1955 to Sept. 1959).	211		
Sulphur Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.37 N., R.8 E., at crossing of Mr. Baker Highway at Kulshan guard station.	-	6- 2-59	75.0
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.37 N., R.8 E., at weir $\frac{1}{2}$ mile above mouth and 8 $\frac{1}{2}$ miles northeast of Concrete.	9.85	6- 2-59 7-13-60	103 126
Bear Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.36 N., R.8 E., at gaging station "near Concrete," (operated Mar. 1953 to Oct. 1954).	11.4	9- 3-43 9-17-43 9-25-43 10- 5-43 10-18-43 7-13-44 8-14-44 9-27-44 10-22-44 7-14-60 8-10-60	7.21 5.97 6.92 6.42 29.4 9.25 6.93 30.4 34.7 27.0 7.16
North Fork Bear Creek	Bear Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.36 N., R.8 E., at gaging station "near Concrete," (operated Mar. 1953 to Oct. 1954).	1.21		
Thunder Creek	Lake Shannon	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.36 N., R.9 E., $\frac{1}{2}$ mile above falls at road crossing, 1 mile above mouth and 5 $\frac{1}{2}$ miles northeast of Concrete.	22.4	8-21-43 9- 6-43 9-19-43 9-25-43 10- 5-43 10-18-43 7-12-44 8-14-44 9-27-44 10-22-44 8- 2-60	27.4 21.0 15.8 15.8 17.0 72.9 28.3 22.4 48.8 85.7 30.6
Baker River	Skagit River	West line NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.35 N., R.8 E., at gaging station "at Concrete," (operated Sept. 1910 to Mar. 1915, Sept. 1943 to Sept. 1960).	297	9-11-10 8-19-43	850 2,290
Skagit River	Skagit Bay	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.35 N., R.8 E., at gaging station "near Concrete," (operated Sept. 1924 to 1960).	2,737		
Finney Creek	Skagit River	Center of sec.6, T.35 N., R.9 E., at road crossing 6 miles southeast of Concrete.	32.9	9- 7-43	17.1
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.35 N., R.8 E., 3 miles southeast of Concrete.	39.6	9- 9-44	14.6
Hatchery Creek	Finney Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.35 N., R.8 E., near mouth 2 miles south of Concrete.	1.79	9-15-43	0
Quartz Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21 T.35 N., R.8 E., at crossing of logging bridge 2 miles south of Concrete.	4.02	8-19-43 9- 2-43 9-15-43 9-24-43	3.22 3.26 2.16 2.30
Finney Creek	Skagit River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.35 N., R.8 E., at gaging station "near Concrete," (operated July to Oct. 1943, July 1944 to Oct. 1948).	b51.6	8-16-51	17.2
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.35 N., R.7 E., 400 ft above highway bridge, $\frac{1}{2}$ mile above mouth, and 4 miles southwest of Concrete.	-	8-19-58 7- 7-60 8- 2-60	7.20 109 32.2

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Pressentin Creek	Skagit River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.35 N., R.7 E., within 1,000 ft above mouth 4 miles southwest of Concrete	12.9	8- 3-43 8-19-43 9- 2-43 9-15-43 9-24-43 10- 5-43 10-14-43 7-12-44 8-15-44 9-27-44 10-21-44 7- 7-60 8- 2-60	18.7 9.67 8.38 5.82 5.52 8.79 11.2 8.68 6.39 17.9 14.3 36.3 11.7
Grandy Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.36 N., R.8 E., 100 ft below outlet of Grandy Lake.	4.90	9-17-43 9-25-43 9- 7-44	.21 .22 Trace
Do.....	.....do.....	SW $\frac{1}{4}$ sec.31, T.36 N., R.8 E., 300 ft below Grandy Creek.	9.54	9-17-43 9-25-43 9- 7-44	1.74 2.43 1.90
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.35 N., R.7 E., at gaging station "near Concrete," (operated July to Oct. 1943, July to Nov. 1944).	b17.4	8-16-51 8-10-56 9- 8-56 8-18-58 7-12-60 8- 2-60	6.09 12.0 7.87 3.72 25.7 13.0
Savage Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.35 N., R.7 E., at railroad trestle, 300 ft above mouth and 5 miles east of Hamilton.	1.46	7-30-43 9-14-43 9-28-44	1.71 .82 .79
Mill Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.35 N., R.7 E., at highway bridge near mouth, $\frac{1}{2}$ miles south of Birdsview siding.	4.35	7-30-43 8-19-43 9- 2-43 9-14-43 9-24-43 10- 4-43 10-14-43 7-12-44 8-17-44 9-28-44 10-21-44 7- 7-60 8- 2-60	3.95 2.21 1.61 .81 .72 .92 2.06 1.43 .90 3.30 3.18 7.34 1.17
Boyd Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.35 N., R.7 E., at railroad trestle 500 ft above mouth.	1.39	7-30-43 9-14-43	1.06 0
Skagit River tributary No. 2	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.35 N., R.7 E., at railroad trestle near mouth.	.45	7-30-43 9-14-43	.49 .29
O'Toole Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.35 N., R.7 E., at gaging station "near Hamilton," (operated July to Oct. 1943, July to Nov. 1944).	b5.41	7- 7-60 8- 2-60	15.4 4.87
Alder Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.35 N., R.7 E., at gaging station "near Hamilton," (operated Aug. 1943 to 1960).	10.7	8-13-43	10.5
Cumberland Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.35 N., R.6 E., 600 ft below road crossing and 1 mile south of Hamilton.	6.67	9-14-43 9-23-43 9- 6-44	2.78 2.53 1.44
Careys Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.35 N., R.6 E., 100 ft below Careys Lake and $\frac{1}{4}$ mile northeast of Hamilton.	.96	9- 4-43 9-15-43 9-24-43 10- 4-43 10-13-43 7-13-44 8-15-44 9- 6-44 9-29-44 10-20-44 7-12-60 8- 2-60	4.11 2.50 2.67 2.58 2.44 2.48 2.43 2.55 2.93 2.01 5.09 4.62
Freeman Creek	Careys Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.35 N., R.6 E., at railroad bridge, $\frac{1}{2}$ mile north of Hamilton.	2.84	9- 1-43 9-15-43 9-24-43 9- 6-44	.43 .41 .45 .31

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Muddy Creek	Skagit River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.35 N., R.6 E., at county road crossing 1 $\frac{1}{4}$ miles above mouth and 1 mile northwest of Hamilton.	2.75	8-12-43 9- 1-43 9-15-43 9-24-43 10- 4-43 10-13-43 7-13-44 8-15-44 9- 6-44 9-29-44 10-20-44 7-12-60 8- 2-60	1.54 1.81 1.39 1.43 1.60 1.50 1.35 .52 .18 2.53 .97 2.47 2.03
Loretta Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.35 N., R.6 E., at road crossing 600 ft above mouth and 1 $\frac{1}{4}$ miles southwest of Hamilton.	3.57	9-14-43 9-23-43 9- 6-44	1.87 1.44 .92
Day Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.34 N., R.6 E., $\frac{1}{4}$ mile below Day Lake and 8 $\frac{1}{2}$ miles south of Hamilton.	6.56	9-17-47	21.6
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.35 N., R.6 E., at gaging station "near Lyman," (operated July 1943 to 1960).	34.2	8-31-38 8-29-40 9-29-40 11- 2-40 12- 2-40	9.79 29.7 16.4 302 273
Red Cabin Creek	Etach Creek	SW $\frac{1}{4}$ sec.10 T.35 N., R.6 E., at county road culverts 1 $\frac{1}{4}$ miles northeast of Lyman.	4.85	8-12-43 9- 1-43 9-13-43 9-24-43 10-13-43 9- 6-44 7- 8-60 8- 2-60	.32 .17 0 0 0 0 .68 0
Mannser Creek	Skagit River	SE $\frac{1}{4}$ sec.9, T.35 N., R.6 E., at county road culvert 1 $\frac{1}{2}$ miles northeast of Lyman.	.97	8-12-43 9- 1-43 9-13-43 9-24-43 10- 4-43 10-13-43 7-13-44 8-15-44 9- 6-44 9-29-44 10-20-44 7- 8-60 8- 2-60	1.75 2.06 1.56 1.36 1.20 1.70 2.12 1.22 .51 1.58 1.14 3.97 3.42
Mannser Creek tributary (formerly unnamed creek)	Mannser Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.35 N., R.6 E., at county road bridge, 1 mile northeast of Lyman.	-	9-14-43	.12
Mannser Creek	Skagit River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.35 N., R.6 E., at crossing of State Highway 17A, $\frac{1}{4}$ mile east of Lyman.	1.75	9-14-43 9-24-43	1.69 1.25
Jones Creek	.....do.....	SE $\frac{1}{4}$ sec.5, T.35 N., R.6 E., 100 ft above Lyman water-supply intake, 1 mile above gaging station and 1 $\frac{1}{2}$ miles north of Lyman.	7.29	9- 6-44	1.61
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.35 N., R.6 E., $\frac{1}{4}$ mile below Lyman water-supply intake, 1 mile above gaging station, and 1 mile north of Lyman.	-	8-31-43 9-14-43 9-24-43	1.05 1.74 1.86
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.35 N., R.6 E., at gaging station "near Lyman," (operated July to Oct. 1943, July to Nov. 1944).	68.12	7- 8-60 8- 2-60	5.32 3.31
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.35 N., R.6 E., at crossing of State Highway 17A $\frac{1}{4}$ mile east of Lyman.	8.40	7-24-43	.58
Morgan Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.35 N., R.6 E., at crossing of South Skagit Highway 2 miles south of Lyman.	2.09		
Childs Creek	Minkler Lake	SW $\frac{1}{4}$ sec.7, T.35 N., R.6 E., at road crossing $\frac{1}{2}$ mile above Minkler Lake and 1 mile west of Lyman.	1.80	8- 2-43 8-13-43 9- 1-43 9-13-43 9-24-43 10- 2-43 10-11-43	1.10 .67 .70 .54 .66 .40 1.09

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Childs Creek (Cont.)	Minkler Lake	SW $\frac{1}{4}$ sec.7, T.35 N., R.6 E., at road crossing, $\frac{3}{8}$ mile above Minkler Lake and 1 mile west of Lyman.		7-13-44 8-14-44 9-29-44 10-20-44 8- 2-60	0.69 .63 2.32 .80 .37
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.35 N., R.6 E., at crossing of State Highway 17A 1 mile west of Lyman.	2.38	8- 2-43 9-24-43	.13 0
Parker Creek	Skagit River	SE $\frac{1}{4}$ sec.25, T.35 N., R.5 E., at crossing of South Skagit Highway 3 miles southwest of Lyman, (crest-stage gage "Parker Creek near Lyman," formerly "Skagit River tributary near Lyman").	1.82	9-14-43 2-10-51 6-30-52 1- 2-53 12-19-53 2- 7-55 11- 3-55 12- 9-56 12-25-57 4-29-59 12-14-59	+26 164 158 141 142 132 164 233 160 171 117
Sorenson Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.35 N., R.6 E., at highway crossing 3 miles southwest of Lyman.	1.74	8-31-43 9-11-43 10-12-43 9- 5-44 7- 7-60 8- 2-60	.13 .09 .65 0 .55 .18
Anderson Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.35 N., R.5 E., at road crossing 4 miles southwest of Lyman.	3.29	8-12-43 9-11-43 9-23-43 10- 1-43 10-12-43 7- 7-60 8- 2-60	1.35 .63 .50 .46 1.69 1.85 .81
Gilligan Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11 T.34 N., R.5 E., above Sedro Woolley water-supply intake, 2 $\frac{1}{4}$ miles above gage.	4.19	9-23-43 10- 2-43 10-12-43 7-14-44 8-18-44 10- 2-44 10-19-44	4.00 2.85 10.4 3.89 2.62 10.9 6.55
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.35 N., R.5 E., at gaging station "near Lyman," (operated July to Oct. 1943).	6.76	7- 7-60 8- 2-60	3.29 .25
Gilligan Creek tributary (formerly unnamed creek)	Gilligan Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.35 N., R.5 E., near mouth 100 ft below gaging station on Gilligan Creek.	-	7-24-43	.19
Powell Creek	Skagit River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.35 N., R.5 E., 400 to 800 ft below falls, 500 ft above bridge on State Highway 17A, and 3 $\frac{1}{2}$ miles west of Lyman.	2.11	8- 2-43 8-13-43 9- 1-43 9-13-43 9-24-43 10- 2-43 10-11-43 7-13-44 8-14-44 10- 1-44 10-20-44 7- 8-60 8- 2-60	3.41 2.40 2.32 1.67 2.04 1.45 2.60 1.98 2.47 3.57 2.98 3.45 1.64
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.35 N., R.5 E., at crossing of old State Highway 17A 3 miles west of Lyman.	2.48	8- 2-43 9-24-43 9- 6-44	1.01 .05 0
Cool Creek (formerly Coal Creek)	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.35 N., R.5 E., at gaging station "near Sedro Woolley," (operated Oct. 1947 to June 1950).	1.88	9-19-47 8- 3-50 9-22-50 8-15-51	1.98 1.62 .45 .26
Hansen Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.36 N., R.5 E., at road crossing 2 miles north of Northern State Hospital	2.59	9-19-47	1.42
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.35 N., R.5 E., at road crossing at Northern State Hospital, $\frac{1}{4}$ mile below Hog Creek and 2 miles northeast of Sedro Woolley.	6.60	9-10-43 9-21-43 10- 9-43 9- 4-44	2.58 3.71 2.37 1.54

\* Discharge measurement.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
East Fork Hansen Creek	Hansen Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.35 N., R.5 E., at road crossing 1 mile above mouth.	0.96	9-10-43	0.03
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.35 N., R.5 E., at railroad crossing 1/3 mile above mouth.	-	9-10-43	0
Hansen Creek	Skagit River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.35 N., R.5 E., at gaging station "near Sedro Woolley," (operated July 1943 to Sept. 1945).	69.66	10-26-45 9-19-47 8-18-58 7- 8-58 8- 2-58	287 1.96 .69 4.58 2.28
Skagit River	Skagit Bay	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.35 N., R.4 E., at gaging station "near Sedro Woolley," (operated May 1908 to Dec. 1924).	3,015	1815 1856 11-16-96 11-19-97 11-16-06 1-13-53 11- 1-53 12-10-53 6-12-55 10-26-55 4-30-59 5- 1-59	400,000 300,000 185,000 190,000 180,000 58,400 51,800 43,400 58,800 72,300 113,000 67,000
Nookachamps Creek	Skagit River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.34 N., R.4 E., at gaging station "near Mount Vernon," (operated July to Oct. 1943, July to Sept. 1944).	22.5	10- 1-44 10-19-44 11-17-44 7- 6-60 8- 1-60	5.68 4.82 22.6 7.32 .91
Do.....	.....do.....	Center of SW $\frac{1}{4}$ sec.14, T.34 N., R.4 E., at highway crossing $\frac{1}{4}$ mile above Barney Lake.	27.6	8-30-43 9-11-43 9-21-43 10- 1-43 10- 9-43 7-16-44 8-13-44 10- 2-44 10-20-44	.71 .62 .37 .10 .10 3.35 .52 5.33 5.57
East Fork Nookachamps Creek	Nookachamps Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.34 N., R.5 E., above water-supply intake and 5 miles southeast of town of Clear Lake.	3.56	10- 3-43 7-16-44 8-13-44 10- 2-44 10-19-44	1.13 1.01 3.84 7.12 3.45
Do.....	.....do.....	Center of sec.28, T.34 N., R.5 E., at crossing of logging road 4 $\frac{1}{2}$ miles southeast of Clear Lake.	4.59	9-28-43	2.33
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.34 N., R.5 E., just above Walker Creek 3 $\frac{1}{2}$ miles southeast of town of Clear Lake.	7.62	9-21-43 10- 9-43	3.79 1.12
Walker Creek	East Fork Nookachamps Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.34 N., R.5 E., at mouth.	10.5	9-11-43 9-21-43 10- 9-43 9- 4-44	.63 2.14 .46 .36
Cold Springs Creek	Pigeon Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.34 N., R.5 E., above water-supply system intake.	-	9-29-43 9- 5-44	.45 Trace
Pigeon Springs	East Fork Nookachamps Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.34 N., R.5 E.	-	9- 5-44	Trace
East Fork Nookachamps Creek	Nookachamps Creek	NE $\frac{1}{4}$ sec.19, T.34 N., R.5 E., at gaging station "near Clear Lake," (operated July 1943 to Sept. 1950).	b20.5	8-18-58 7- 6-60 8- 1-60	.68 7.55 1.82
Mundt Creek	East Fork Nookachamps Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.34 N., R.5 E., above water-supply intake and 5 miles southeast of Clear Lake.	1.65	9-29-43 9- 5-44	.81 Trace
Mundt Creek tributary (formerly unnamed creek)	Mundt Creek	SE $\frac{1}{4}$ sec.16, T.34 N., R.5 E., at water-supply intake 3 $\frac{1}{2}$ miles southeast of Clear Lake.	-	9- 5-44	0
Mundt Creek	East Fork	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.34 N., R.5 E., at county road bridge $\frac{1}{4}$ mile above mouth and 2 $\frac{1}{2}$ miles southeast of Clear Lake.	4.17	8-30-43 9-11-43 9-21-43 10- 1-43	.46 .45 .54 .32

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skagit River basin--Continued					
Turner Creek	East Fork Nookachamps Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.34 N., R.5 E., at road crossing 25 ft above water-supply intake, 2 $\frac{1}{2}$ miles east of Clear Lake.	1.19	9- 5-44	0.06
Skagit River	Skagit Bay	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.34 N., R.4 E., at gaging station "near Mount Vernon," (operated Oct. 1940 to 1960).	3,093		
South Fork Skagit River	.....do.....	SW $\frac{1}{4}$ sec.18, T.33 N., R.4 E., at Fir Island Road bridge at Conway.	-	10- 9-08 8-16-44 12- 7-44 5-22-45 5-30-45 5-11-51 10-26-55 10-27-55 9-30-57 10- 1-57	1,780 2,090 11,400 7,120 20,200 57,000 32,300 19,000 750 1,020
Dry Slough (formerly Deer Slough)	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.33 N., R.3 E., at crossing of Fir Island Road 2 miles west of Conway.	-	12- 7-44 5-22-45 5-30-45	803 320 869
North Fork Skagit River	.....do.....	SW $\frac{1}{4}$ sec.36, T.34 N., R.3 E., just below Skagit City.	-	10- 9-08	2,261
Do.....	.....do.....	NW $\frac{1}{4}$ sec.10, T.33 N., R.3 E., at road crossing at Rexville.	-	8-16-44 12- 7-44 5-22-45 5-30-45 10-26-55 10-27-55 9-30-57 10- 1-57	7,350 17,500 13,700 26,100 42,400 26,500 5,970 7,690
Carpenter Creek tributary (formerly unnamed creek)	Carpenter Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.32 N., R.4 E., at U. S. Highway 99 and $\frac{1}{4}$ mile south of Skagit County line, (crest-stage gage, "Skagit River tributary near Mount Vernon").	b2.48	2-22-49 1-22-50 3-13-51 3-28-52 12- 9-53 2- 7-55 12-11-55 12- 9-56 1-16-58 1-23-59 1- -or 2- -60	61.1 62.0 27.0 38.8 30.5 40.0 29.7 42.7 19 52 70
Samish River basin					
Samish River	Samish Bay	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.36 N., R.4 E., at crossing of State Highway 1A at Prairie.	21.7	9- 9-43 9-21-43 9- 4-44	4.33 11.8 2.59
Thunder Creek	Samish River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.36 N., R.4 E., at crossing of State Highway 1A at Prairie.	2.83	9- 9-43 9-21-43 9- 4-44	.64 2.68 .18
Vernon Creek (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ sec.24, T.36 N., R.4 E., at crossing of Warner Road $\frac{1}{4}$ mile southwest of Prairie.	.99	9-21-43 9- 4-44	1.12 Trace
Samish River	Samish Bay	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.36 N., R.4 E., 300 ft above Dry Creek, 5 $\frac{1}{2}$ miles northwest of Sedro Woolley.	32.1	9- 9-43 9-21-43 9-30-43 10-11-43 7-15-44 8-18-44 9-30-44 10-18-44	19.4 32.7 19.9 21.4 19.4 18.3 34.4 24.9
Dry Creek	Samish River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.36 N., R.4 E., at crossing of Warner Road and 5 $\frac{1}{2}$ miles northwest of Sedro Woolley.	3.26	9- 9-43 9-21-43	0 0
Gustafson Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.36 N., R.4 E., at mouth.	2.34	9- 9-43 9-21-43	0 0
Samish River	Samish Bay	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.35 N., R.4 E., 150 ft above crossing of Woodman-Matthew Road, above Swede Creek, 2 miles above gaging station and 4 miles northwest of Sedro Woolley.	40.6	8-30-43	23.9

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Samish River basin--Continued					
Swede Creek	Samish River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.35 N., R.4 E., at crossing of Woodman-Matthews Road, 300 ft above mouth, and 4 miles northwest of Sedro Woolley.	4.42	9- 9-43 9-21-43	0.26 1.20
Lake Creek	Samish Lake	NW $\frac{1}{4}$ sec.23, T.37 N., R.3 E., on U. S. Highway 99, 6.5 miles southeast of Bellingham, (crest-stage gage "Lake Creek near Bellingham").	2.35	2-17-49 12-28-49 2-10-51 1-30-52 1-31-53 12- 9-53 2- 8-55 11- 3-55 12- 9-56 1-24-58 11-12-58 12-15-59	250 214 208 110 82.0 97.0 90.7 124 200 70.6 159 108
Friday Creek	Samish River	South line of SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.37 N., R.3 E., at crossing of Samish Lake Road $\frac{1}{4}$ mile below Samish Lake Outlet.	12.9	9-10-43 9-21-43	Trace Trace
Bear Creek	Friday Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.36 N., R.3 E., at crossing of Samish Lake Road.	3.41	9-10-43 9-21-43 9- 2-44	.70 1.34 .40
Silver Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.36 N., R.4 E., 600 ft below U. S. Highway 99 at Alger.	7.75	9-10-43 9-21-43 9- 2-44	1.50 1.81 .92
Butler Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.36 N., R.4 E., 100 ft below crossing of U. S. Highway 99, $\frac{1}{2}$ miles southeast of Alger.	3.64	9-10-43 9-21-43 9- 1-44	.75 1.03 .50
Friday Creek	Samish River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.36 N., R.4 E., at gaging station "near Burlington," (operated Oct. 1946 to Oct. 1948).	37.1	8-19-58	1.43
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.36 N., R.4 E., at gaging station "near Burlington," (operated Aug. 1943 to Oct. 1946).	38.0		
Samish River	Samish Bay	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.35 N., R.4 E., at gaging station "near Burlington," (operated July 1943 to 1960).	87.8		
Thomas Creek	Samish River	Center of NE $\frac{1}{4}$ sec.18, T.35 N., R.4 E., at crossing of U. S. Highway 99.	9.89	9-10-43 9- 2-44	.24 .14
Oyster Creek	Samish Bay	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.36 N., R.3 E., below crossing of U. S. Highway 99, 8 miles south of Bellingham.	5.27	8-15-49 9-13-54 9-29-54	1.34 1.02 1.19
Minor basins between Samish and Nooksack Rivers					
Chuckanut Creek	Chuckanut Bay	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.1, T.37 N., R.2 E., at crossing of Chuckanut Drive at Chuckanut Village.	6.91	7-13-48 7-23-48 8- 5-48 8-20-48 8-20-48 10- 6-48 8-15-49 6-25-54 6-25-54 7- 9-54 7-23-54 9-11-54 9-29-54 8-23-55 7- 5-59	1.57 .97 .60 .87 .85 7.33 1.09 1.35 1.29 1.90 .74 1.26 .83 .52 1.58
Padden Creek (formerly Lake Padden Outlet)	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.37 N., R.2 E., 50 ft below crossing of Chuckanut Drive at Bellingham.	5.79	8-15-49 9-13-54 9-29-54	.30 .25 .28
Mirror Lake Creek	Lake Watson	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.37 N., R.4 E., at road crossing near mouth.	3.72	9-21-48 9- 8-54 9-28-54	2.08 1.70 1.75
Pir Creek (formerly unnamed creek)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.37 N., R.4 E., at road crossing near mouth.	.86	9- 8-54 9-28-54	.16 .15

## BASINS NORTH OF SKAGIT RIVER

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Samish and Nooksack Rivers--Continued					
Brannian Creek (formerly unnamed creek)	Lake Whatcom	SE $\frac{1}{2}$ NW $\frac{1}{4}$ sec.27, T.37 N., R.4 E., at crossing of Lake Whatcom Boulevard, $\frac{1}{2}$ mile above state trout hatchery and mouth, (1948 and 1949 measurement called at fish hatchery creek).	2.61	9-21-48 8-18-49 9- 8-54 9-28-54	1.03 .28 .84 1.01
Lake Whatcom tributary (formerly unnamed stream)	.....do.....	NW $\frac{1}{2}$ SE $\frac{1}{2}$ sec.21, T.37 N., R.4 E., at crossing of Lake Whatcom Boulevard near mouth.	.31	9-21-48	Trace
Lake Whatcom tributary No. 2	.....do.....	SE $\frac{1}{2}$ SE $\frac{1}{2}$ sec.20, T.37 N., R.4 E., at Lake Whatcom Boulevard, near mouth.	.47	9- 8-54	.09
Austin Creek	.....do.....	SW $\frac{1}{2}$ NW $\frac{1}{4}$ sec.8, T.37 N., R.4 E., at crossing of Lake Whatcom Boulevard at gaging station "near Bellingham," (operated July to Sept. 1948, June to Oct. 1954).	67.73	10- 1-48 11- 3-48 8-18-49 8-15-51 11-15-54 8-22-55 8- 9-56 9- 8-56 7- 5-59 7-23-59 8-10-59	4.04 55.8 1.16 .25 10.5 1.40 .76 .50 2.64 .58 .43
Smith Creek	.....do.....	NE $\frac{1}{2}$ NE $\frac{1}{4}$ sec.5, T.37 N., R.4 E., at North Shore Road at Sunnyside.	5.25	7-13-48 7-22-48 8- 5-48 8-20-48 9- 6-48 6-22-54 7-10-54 7-27-54 9- 7-54 9-28-54 8-22-55 8- 8-56 8-22-58 7- 5-59 7-23-59 8-10-59	1.34 1.76 1.60 1.46 14.6 5.29 4.74 .98 1.87 2.31 1.11 .82 0 1.47 .41 .29
Olsen Creek	.....do.....	NW $\frac{1}{2}$ SW $\frac{1}{4}$ sec.30, T.38 N., R.4 E., at North Shore Road near mouth.	3.78	7-13-48 7-22-48 8- 5-48 8-20-48 10- 6-48 6-22-54 7- 9-54 7-27-54 9-28-54 8-22-55 8- 8-56 7- 5-59 7-20-59 8-10-59	.83 1.42 1.05 1.46 8.54 5.04 3.38 1.14 2.10 1.13 .81 1.49 .64 .56
Carpenter Creek	.....do.....	SW $\frac{1}{2}$ NW $\frac{1}{4}$ sec.30, T.38 N., R.4 E., at North Shore Road near mouth.	1.30	9-21-48 9- 9-54 9-24-54	Trace Trace Trace
Whatcom Creek	Bellingham Bay	NW $\frac{1}{2}$ SE $\frac{1}{4}$ sec.28, T.38 N., R.3 E., at gaging station "near Bellingham," (operated Nov. 1910 to Sept. 1912, July 1939 to Sept. 1946).	55.4	10- 6-13 5-18-14	25.8 83.3
Do.....	.....do.....	Several hundred feet downstream from above site. Gaging station "below hatchery, near Bellingham," (operated Oct. 1945 to Nov. 1951).	56.1	4-18-43 6-16-43 7-21-43 7-27-43 10- 9-43 4-15-44 4-15-44 6- 3-44 7-16-44 8-29-44 10- 5-44 5-19-45 8- 9-45 9-25-45	19.3 30.7 6.13 3.31 5.12 7.87 7.74 7.16 4.80 4.60 5.78 14.5 12.7 5.68
Do.....	.....do.....	SE $\frac{1}{2}$ NW $\frac{1}{4}$ sec.30, T.38 N., R.3 E., on Grand Avenue at city hall in Bellingham.	-	1-15-45	508



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Samish and Nooksack Rivers--Continued					
Squalicum Creek	Bellingham Bay	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.38 N., R.3 E., at Mount Baker Highway 2 $\frac{1}{2}$ miles north of Silver Beach.	2.48	9- 9-54 9-28-54	0.24 .26
Toad Lake outlet	Squalicum Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.38 N., R.3 E., at Mount Baker Highway.	1.23	9- 9-54 9-28-54	.11 .07
Squalicum Creek	Bellingham Bay	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.38 N., R.3 E., at gaging station "at Bellingham," (operated July to Dec. 1948, May to Oct. 1954).	b10.9	12- 1-48 1-13-49 2-26-49 7- 7-49 8-20-49 8-20-49 10-10-49 11-17-54 8-22-55 7- 4-59 7-23-59 8-10-59	76.6 9.21 38.2 .19 .15 .18 .70 15.1 .44 .24 .12 .19
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.38 N., R.3 E., at James Street at Bellingham.	11.6	9-21-48 9- 9-54 9-28-54	0 .29 .28
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.38 N., R.3 E., at Meridian Street at Bellingham.	11.9	9-21-48 9- 9-54 9-29-54	.48 .52 .42
Squalicum Creek tributary (formerly unnamed creek)	Squalicum Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.38 N., R.3 E., at Meridian Street at Bellingham.	.31	9- 9-54 9-29-54	Trace Trace
Squalicum Creek tributary No. 2	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.38 N., R.3 E., at Bakerview Road 1 mile north of Bellingham.	.93	9-21-48 9- 9-54 9-29-54	0 0 0
Squalicum Creek tributary No. 3	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.38 N., R.3 E., at Guide Meridian Road $\frac{1}{2}$ mile north of Bellingham.	4.19	9-21-48 9- 9-54 9-29-54	Trace Trace Trace

## Nooksack River basin

Nooksack River	Bellingham Bay	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.39 N., R.8 E., about 1 mile above Wells Creek and above backwater from diversion dam for Nooksack Falls powerplant. Staff gage maintained by Puget Sound Power and Light Company. 1931 to 1936 records in district office.	68.0	9-13-34	612
Nooksack River tributary	Nooksack River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.40 N., R.8 E., at Mt. Baker Highway 6.5 miles east of Glacier, (crest-stage gage "Nooksack River tributary near Glacier").	1.13	11- 3-55 10-17-56 1-16-58 12- 1-58 11-23-59 6- 1-60	181 121 48 140 71 #15.0
Nooksack River	Bellingham Bay	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.40 N., R.8 E., at gaging station "at Excelsior," (operated Aug. 1920 to Sept. 1921).	95.1	8-26-20 9- 1-20	724 441
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.40 N., R.7 E., at gaging station "below Cascade Creek near Glacier," (Formerly published "above Glacier Creek." Operated Oct. 1937 to 1950).	105	9-22-37	257
Lookout Creek (formerly Deerhorn Creek)	Nooksack River	NE $\frac{1}{4}$ sec.2, T.39 N., R.7 E., at Mt. Baker Highway 4 miles northeast of Glacier.	1.04	9-22-48 9- 8-54 9-29-54	1.17 .85 .52
Nooksack River tributary No. 2	.....do.....	NW $\frac{1}{4}$ sec.2, T.39 N., R.7 E., at Mt. Baker Highway 3 $\frac{1}{2}$ miles northeast of Glacier.	.26	9-22-48 9- 8-54 9-29-54	.22 1.27 .73
Deerhorn Creek (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ sec.34, T.40 N., R.7 E., at Mt. Baker Highway 2 $\frac{1}{2}$ miles northeast of Glacier.	.74	9-22-48 9- 8-54 9-29-54	.96 .34 .47
Coal Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.40 N., R.7 E., at Mt. Baker Highway 2 miles northeast of Glacier.	.79	9-22-48 9- 8-54 9-29-54	.74 .10 .11

‡ Discharge measurement.  
b Revised.

## BASINS NORTH OF SKAGIT RIVER

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nooksack River basin--Continued					
Glacier Creek	Nooksack River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.39 N., R.7 E., at Mt. Baker Highway at Glacier.	31.8	5-18-11 9- 1-20 10-17-20 9- 8-54 9-29-54	173 148 165 178 111
Gallop Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.39 N., R.7 E., at Mt. Baker Highway at Glacier.	2.24	9-22-48 9- 8-54 9-29-54	20.5 6.80 5.26
Cornell Creek (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.39 N., R.6 E., at Mt. Baker Highway, 1 mile west of Glacier.	5.24	9-22-48 9- 8-54 9-29-54	2.67 1.59 1.54
Canyon Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.40 N., R.6 E., 300 ft above mouth, 2 $\frac{1}{2}$ miles northwest of Glacier.	31.1	9-22-48 9- 9-54 9-29-54	139 103 87.9
Nooksack River	Bellingham Bay	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.39 N., R.6 E., at gaging station "near Glacier." Operated Sept. 1910 to Sept. 1911 (fragmentary), Feb. 1934 to Sept. 1938.	193	9- 7-10 11- 2-10 12- 3-10 12-19-10 2-13-11 2-13-11 5-18-11 8-31-20 10-17-20 10- 6-38	609 1,260 1,530 663 315 317 1,560 686 1,260 339
Nooksack River tributary No. 3	Nooksack River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.40 N., R.6 E., at Mt. Baker Highway 3 $\frac{1}{2}$ miles northwest of Warnick.	.72	9-22-48 9- 9-54	.23 .04
Nooksack River tributary No. 4	.....do.....	SW $\frac{1}{4}$ sec.27, T.40 N., R.6 E., at Mt. Baker Highway 4 miles northwest of Warnick.	.28	9-22-48 9- 9-54 9-29-54	1.03 .48 .44
Boulder Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.40 N., R.6 E., at Mt. Baker Highway, 2 miles east of Maple Falls.	7.24	9-22-48 9- 9-54 9-29-54	45.7 15.8 15.9
Maple Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.40 N., R.6 E., at Mt. Baker Highway $\frac{1}{2}$ mile southeast of Maple Falls.	10.2	9-22-48 8-17-49 9- 9-54 9-29-54	7.85 .79 2.12 2.21
Kendall Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.40 N., R.5 E., at gaging station "at Kendall," (operated July 1948 to Oct. 1950).	24.0	8-20-58	0
Kendall Creek tributary (formerly unnamed creek)	Kendall Creek	NW $\frac{1}{4}$ sec.36, T.40 N., R.5 E., at Mt. Baker Highway 1 $\frac{1}{2}$ miles east of Kendall.	1.35	9-22-48	2.86
Kendall Creek	Nooksack River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.39 N., R.5 E., at gaging station "near mouth at Kendall," (operated May to Nov. 1954).	29.2	8-24-55 9-12-55 8-10-56 9- 7-56 8-21-58 7- 4-59 7-22-59 8-11-59	15.5 8.70 15.1 8.82 3.23 40.0 32.0 24.0
Coal Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.39 N., R.5 E., at Mt. Baker Highway 2 miles south of Kendall at gaging station "near Kendall," (operated July to Sept. 1948).	4.57	10- 2-48 11-17-54 8-24-55 9-12-55 8-10-56 8-20-58 7- 4-59 7-22-59 8-11-59	4.37 33.0 1.29 .56 .43 .25 2.19 1.05 .82
Racehorse Creek	.....do.....	NW $\frac{1}{4}$ sec.10, T.39 N., R.5 E., at logging road crossing 2 miles south of Kendall.	10.8		
Nooksack River tributary No. 5	.....do.....	NE $\frac{1}{4}$ sec.9, T.39 N., R.5 E., at Mt. Baker Highway 2 $\frac{1}{2}$ miles south of Kendall.	-	9-22-48	4.82
Nooksack River tributary No. 6	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.39 N., R.5 E., at mouth 1 mile northwest of Kulshan.	3.09	10- 6-54	53.4

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nooksack River basin--Continued					
Bells Creek	Nooksack River	SE $\frac{1}{4}$ sec.21, T.39 N., R.5 E., at Mt. Baker Highway $1\frac{1}{2}$ miles northwest of Kulshan.	4.15	7- 9-48 7-22-48 8- 4-48 8-18-48 10- 7-48 6-22-54 7- 8-54 7-28-54 9-11-54 9-14-54 9-28-54 8-24-55 9-12-55 8-10-56 7- 4-59 7-22-59 8-11-59	2.16 1.28 1.63 .98 22.7 14.8 4.98 .84 3.64 2.36 3.95 .79 .39 .60 1.60 .33 .25
Nooksack River	Bellingham Bay	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.39 N., R.5 E., at crossing of Mosquito Lake Road $\frac{1}{2}$ mile northwest of Kulshan.	293	7-23-48 9-15-54	1,750 1,640
Middle Fork Nooksack River	Nooksack River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.38 N., R.7 E., $1/8$ mile above Deming ranger station.	25.3	10-11-10 10- 6-11	212 121
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.38 N., R.6 E., 100 ft above Clearwater Creek and 6 miles southeast of Kulshan.	47.2	10- 6-54	132
Clearwater Creek	Middle Fork Nooksack River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.38 N., R.6 E., at mouth, 6 miles southeast of Kulshan.	21.1	9-22-54 10- 6-54	90.4 29.8
Falls Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.38 N., R.6 E., at road crossing near mouth, $5\frac{1}{2}$ miles southeast of Kulshan.	.75	10- 6-54	.83
Middle Fork Nooksack River	Nooksack River	SW $\frac{1}{4}$ sec.13, T.38 N., R.5 E., at gaging station "near Deming," (operated Feb. 1934 to Sept. 1935).	b73.3		
Heislars Creek tributary (formerly unnamed creek)	Heislars Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.38 N., R.5 E., at mouth 4 miles southeast of Kulshan.	.45	10- 6-54	.24
Heislars Creek	Middle Fork Nooksack River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.38 N., R.5 E., at mouth 4 miles southeast of Kulshan.	1.93	9-22-54 10- 6-54	2.08 .69
Middle Fork Nooksack River	Nooksack River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.38 N., R.5 E., at gaging station "near Deming." Operated Oct. 1910 to Mar. 1911 (fragmentary gage heights only), Aug. 1920 to Sept. 1921, June to Oct. 1954.	b75.4	10-11-10 11- 4-10 12-23-10 2-15-11 8-29-20 8-31-20 11-18-54 8-25-55 9-12-55 7- 4-59	593 381 1,840 145 1,360 244 2,620 280 217 590
Porter Creek (formerly Potter Creek)	Middle Fork Nooksack River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.38 N., R.5 E., at road crossing 3 miles southeast of Kulshan.	4.23	6-22-54 7- 8-54 7-28-54 9-11-54 9-14-54 9-28-54 10- 6-54 8-25-55 9-12-54 7- 4-59	44.1 22.6 4.49 6.22 2.05 5.01 2.20 3.01 .59 5.39
Middle Fork Nooksack River tributary (formerly unnamed stream)	.....do.....	West line SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.38 N., R.5 E., at Mosquito Lake Road, $1\frac{1}{4}$ miles southeast of Kulshan.	.55	10- 6-54	0
Middle Fork Nooksack River tributary No. 2	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.39 N., R.5 E., at Mosquito Lake Road, $\frac{1}{4}$ mile southeast of Kulshan.	1.21	10- 6-54	2.15

b Revised.

## BASINS NORTH OF SKAGIT RIVER

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nooksack River basin--Continued					
Canyon Creek	Middle Fork Nooksack River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.39 N., R.5 E., at gaging station "at Kulshan," (operated July 1948 to Sept. 1953, May to Nov. 1954).	8.70	10- 1-53 8-25-55 9-12-55 9- 8-56 7-30-58 8-20-58 7- 4-59 7-22-59 8-11-59	260 10.7 5.82 4.82 2.74 1.62 51.9 26.3 9.21
Nooksack River	Bellingham Bay	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.38 N., R.5 E., at railroad trestle just above South Fork, 1 mile south-east of Deming.	401	7-23-48 9-16-54	2,200 2,690
South Fork Nooksack River	Nooksack River	NE $\frac{1}{4}$ sec.21, T.36 N., R.6 E., 1,500 ft above Lyman Timber Company railroad bridge, 5 $\frac{1}{2}$ miles northeast of Lyman.	65.6	9-10-33	135
Cavanaugh Creek	South Fork Nooksack River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.36 N., R.5 E., at logging road crossing at Dyes Ranch.	9.75	9-30-54	12.4
South Fork Nooksack River tributary (formerly unnamed stream)	.....do.....	SW $\frac{1}{4}$ sec.36, T.37 N., R.5 E., at crossing of logging road 4 $\frac{1}{2}$ miles east of Wickersham.	.60	9-30-54	0
South Fork Nooksack River	Nooksack River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.37 N., R.5 E., 1,000 ft above Edfro Creek, 4 miles east of Wickersham.	100	9-13-33	135
Edfro Creek	South Fork Nooksack River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.37 N., R.5 E., at crossing of logging road 4 miles east of Wickersham.	2.14	9-30-54	1.68
South Fork Nooksack River	Nooksack River	In lot 2, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.37 N., R.5 E., at gaging station "near Wickersham," (operated Oct. 1933 to 1960).	103	7- 4-33 9-15-33	185 371
Skookum Creek	South Fork Nooksack River	NE $\frac{1}{4}$ sec.27, T.37 N., R.5 E., at gaging station "near Wickersham," (operated July 1948 to 1960).	23.1	12-21-10 10- 5-11	86.0 44.0
South Fork Nooksack River	Nooksack River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.37 N., R.5 E., at gaging station "at Saxon Bridge." Operated Aug. 1920 to Sept. 1921 (fragmentary), July 1933 to Sept. 1934.	129	8-30-20 8-31-20	432 293
Hutchinson Creek	South Fork Nooksack River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.37 N., R.5 E., at crossing of Mosquito Lake Road 3 miles east of Acme.	11.4	9-21-48 9- 8-54 9-30-54	9.77 7.53 9.22
Jones Creek	.....do.....	Center of north line sec.7, T.37 N., R.5 E., at road crossing at Acme.	2.32	9-21-48 9-10-54 9-30-54	Trace .48 .48
South Fork Nooksack River tributary No. 2	.....do.....	Center of west line sec.5, T.37 N., R.5 E., at State Highway 1A $\frac{1}{2}$ mile north of Acme.	1.17	9-21-48 8-18-49 9-30-54	2.14 2.29 2.88
McCarty Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.37 N., R.5 E., at road crossing, $\frac{1}{2}$ mile northwest of Acme.	1.76	9-21-48 9-10-54 9-30-54	1.12 .73 1.02
Black Slough	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.38 N., R.5 E., at State Highway 1A, $\frac{1}{2}$ mile south of Van Zandt.	7.05	8-20-49 9- 9-54	0 0
Nooksack River	Bellingham Bay	In lot 12, SE $\frac{1}{4}$ sec.6, T.38 N., R.5 E., at gaging station "at Deming," (operated July 1935 to 1960. 1958 to 1960 only discharges of 3,500 cfs or over are published).	584	9- 8-10 10-10-10 11- 3-10 11- 4-10 11- 7-58 12-12-58 1-21-59	1,100 4,680 3,540 3,000 1,150 3,450 3,470
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.39 N., R.4 E., at Nugent's bridge at Cedarville.	596	12-22-10 2-14-11 1-29-35	2,800 1,600 9,630
McCauley Creek	Smith Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.39 N., R.4 E., at State Highway 1, 1 $\frac{1}{4}$ miles east of North Cedarville.	3.60	9-24-54 10- 1-54	3.35 .62

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nooksack River basin--Continued					
Smith Creek	Nooksack River	West line SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.39 N., R.4 E., at Sumas-Lawrence Road $\frac{1}{2}$ mile southeast of Lawrence.	9.94	8-19-48 9-21-48 8-18-49 9- 9-54 10- 1-54	0.37 .78 1.90 2.21 1.04
Anderson Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.38 N., R.4 E., at Mt. Baker Highway, 3 miles south of Goshen.	7.34	7- 7-48 7-22-48 8- 4-48 8-18-48 8-19-48 10- 7-48 6-22-54 7- 8-54 7-27-54 9- 7-54 9-28-54 8-22-55 7- 4-59	1.46 .74 .52 .40 .84 17.2 3.75 2.54 .61 1.47 1.39 .79 .86
Do.....	.....do.....	South line SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.39 N., R.4 E., at gaging station "at Goshen," (operated July to Sept. 1948, May to Oct. 1954).	12.9	10- 2-48 8-18-49 11-17-54 8-24-55 8- 8-56 9- 7-56 8-20-58 7- 3-59 7-22-59 8-10-59	3.64 1.14 46.7 .80 .32 .19 .08 1.42 .33 .19
Nooksack River	Bellingham Bay	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.40 N., R.4 E., at State Highway 1A at Everson.	628		
Kamm Ditch	Nooksack River	NW $\frac{1}{4}$ sec.14, T.40 N., R.3 E., at Blaine-Sumas Highway, 2 $\frac{1}{2}$ miles northeast of Lynden.	.69	9-11-54 10- 1-54	.84 .70
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.40 N., R.3 E., at road crossing 80 ft north of Milwaukee railroad tracks $1\frac{1}{2}$ miles east of Lynden.	2.75	9-14-54 10- 1-54	3.24 2.92
Mormon Ditch	Kamm Ditch	Center of north half sec.22, T.40 N., R.3 E., at culvert crossing at Northwood Road, 2 miles east of Lynden.	2.42	9-14-54	.21
Kamm Ditch (formerly Stickney Slough)	Nooksack River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.40 N., R.3 E., 200 ft east of Hannegan Road and 500 ft above mouth.	8.01	9-14-54	5.81
Nooksack River tributary No. 7	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.40 N., R.3 E., at Hannegan Road $1\frac{1}{2}$ miles south of Lynden.	7.27	9-21-48 8-20-49 9-10-54 10- 1-54	4.18 4.22 3.98 3.41
Nooksack River	Bellingham Bay	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.40 N., R.2 E., at gaging station "near Lynden," (operated Oct. 1944 to 1960).	648		
Nooksack River tributary No. 8	Nooksack River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.40 N., R.2 E., at Meridian Road, 2 miles southwest of Lynden.	.88	9-14-54	.24
Fishtrap Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.40 N., R.3 E., at gaging station "at Lynden," (operated July 1948 to 1960).	22.3		
East Branch Double Ditch	Double Ditch	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.41 N., R.3 E., at international boundary.	-	10-22-41 7- 3-42 8-17-42 10-12-42 7-23-43 9-22-43 7-21-48 8- 3-48 8-17-48 10- 7-48 8-16-49 8-14-51 6-23-54 7- 7-54 7-29-54 9-10-54 10- 1-54 8-23-55	3.50 1.49 1.62 1.42 2.88 2.71 4.18 2.20 4.46 11.9 3.13 3.21 4.07 3.83 3.22 2.82 2.53 4.29

## BASINS NORTH OF SKAGIT RIVER

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nooksack River basin--Continued					
East Branch Double Ditch	Double Ditch	South line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.40 N., R.3 E., at intersection of Blaine-Sumas and Double Ditch roads, 1 mile northwest of Lynden.	-	7- 6-48 9-10-54 10- 1-54	6.79 3.18 2.52
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.40 N., R.3 E., 10 ft above forks, 1/3 mile northwest of Lynden.	-	10-22-41	4.36
West Branch Double Ditch	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.41 N., R.3 E., at international boundary.	-	10-22-41 7- 3-42 8-17-42 10-12-42 7-23-43 9-22-43 7-21-48 8- 3-48 8-17-48 10- 7-48 8-16-49 8-14-51 6-23-54 7- 7-54 7-29-54 9-10-54 10- 1-54 8-23-55	6.90 5.83 5.04 5.11 3.93 3.91 3.74 5.77 3.67 8.76 3.67 4.06 5.95 5.02 4.77 4.45 3.98 3.05
Do.....	.....do.....	South line SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.40 N., R.3 E., at intersection of Blaine-Sumas and Double Ditch roads, 1 mile northwest of Lynden.	-	7- 6-48 9-10-54 10- 1-54	2.80 2.22 2.45
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.40 N., R.3 E., 30 ft above Forks, 1/3 mile northeast of Lynden.	-	10-22-41	4.55
Double Ditch	Fishtrap Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.40 N., R.3 E., just below confluence of branches, 1/3 mile northwest of Lynden.	4.42	7- 3-42 8-17-42 10-12-42 7-23-43 9-22-43	5.21 3.57 3.52 3.81 3.82
Fishtrap Creek	Nooksack River	NE $\frac{1}{4}$ sec.25, T.40 N., R.2 E., at U. S. Highway 99A, $\frac{1}{2}$ mile southwest of Lynden.	34.7	10-22-41 7- 3-42 8-17-42 10-12-42 7-22-43 9-22-43 7-22-48 9-21-48 8-16-49 6-24-54 7- 7-54 7-29-54 9-11-54 10- 1-54 8- 8-56 9- 6-56 8-18-58 7- 2-59 7-20-59 8-11-59	48.2 17.6 9.17 7.67 10.1 11.0 14.1 12.0 10.4 25.9 22.1 16.0 15.6 13.3 10.9 8.38 4.85 25.5 15.4 9.11
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.40 N., R.2 E., at mouth.	36.6	9-11-54	15.1
Bertrand Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.40 N., R.2 E., at Blaine-Sumas Road at Berthusen Memorial Park, 2 $\frac{1}{2}$ miles northwest of Lynden.	26.4	7- 2-48 7-21-48 8- 3-48 8-17-48 10- 7-48 6-24-54 7- 7-54 7-29-54 9-11-54 10- 1-54 8-23-55 8- 8-56 9- 6-56 7- 2-59	8.17 6.10 6.35 5.57 89.2 10.8 8.83 5.79 6.68 5.54 6.33 2.65 2.83 11.7
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.40 N., R.2 E., at Birch Bay-Lynden Road, 3 miles west of Lynden.	34.5	10-22-41 7- 3-42 8-17-42 10-12-42 7-23-43 9-22-43 9-11-54 10- 1-54	66.0 18.1 9.76 8.96 10.1 9.49 11.3 10.3

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nooksack River basin--Continued					
Bertrand Creek	Nooksack River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.40 N., R.2 E., at gaging station "near Lynden," (operated July to Sept. 1948, May to Oct. 1954).	b37.4	10- 1-48 10- 8-48 11- 2-48 8-16-49 8-14-51 8-23-55 8- 8-56 9- 6-56 8-19-58 7- 1-59 7-20-59 8-11-59	15.2 81.2 32.5 11.2 9.04 10.4 8.67 6.79 5.26 17.6 11.8 7.65
Unnamed ditch	Bertrand Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.40 N., R.2 E., at Blaine-Sumas Road $1\frac{1}{2}$ miles northwest of Lynden.	1.07	9-21-48 8-16-49 9-10-54 10- 1-54	1.44 1.32 .17 Trace
Wiser Lake Creek	Nooksack River	West line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.39 N., R.2 E., at Wiser Lake Road, $\frac{1}{2}$ mile above mouth.	6.27	7- 3-42 8-17-42 10-12-42 8-19-49 6-24-54 7- 7-54 7-28-54 9-10-54 10- 1-54 8-23-55 8- 8-56 9- 6-56 8-18-58 7- 2-59 7-21-59 8-10-59	3.50 2.09 2.80 2.56 5.13 4.72 3.04 3.32 3.14 2.37 1.48 1.12 1.04 4.01 1.75 2.30
Tenmile Creek tributary	Tenmile Creek	One tenth mile north from center of sec.27, T.39 N., R.3 E., at Starry Road, 2.7 miles northwest of Noon, and 7 miles northeast of Bellingham, (crest-stage gage "Tenmile tributary near Bellingham").	.74	2-17-49 12-26-49 2-10-51 1-30-52 1-23-53 12-12-53 9-14-54 9-29-54 11-19-54 12-11-55 12- 9-56 2-13-58 11-11-58 1-24-59 12-15-59	52.0 32.0 56.5 10.8 19.3 28.7 *0 *0 49.2 23.6 32.2 12.2 *7.29 34 18
Tenmile Creek tributary No. 2	Tenmile Creek tributary No. 1	Two tenths of a mile north from center of sec. 27, T.39 N., R.3 E., at Starry Road, 2.8 miles north of Noon and 7 miles northeast of Bellingham, (crest-stage gage, "Tenmile Creek tributary No. 2 near Bellingham").	.24	2- 8-55 12-11-55 12- 9-56 2-13-58 1-24-59 12-15-59	33.5 13.0 29.0 10.4 33 20
Tenmile Creek	Barrett Lake	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.39 N., R.3 E., at Chasteen Road, 1 mile west of Tenmile.	10.8	7-22-48 8- 3-48 8-16-48 10- 6-48 8-19-49 6-24-54 7- 7-54 7-28-54 9-10-54 10- 1-54 8-23-55 8- 8-56 8-18-58 7- 3-59 7-21-59 8-10-59	1.76 1.56 1.50 2.84 1.19 2.31 2.52 1.34 1.32 1.21 1.09 1.07 .69 2.43 1.43 .97
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.39 N., R.2 E., at U. S. Highway 99A, $\frac{1}{4}$ mile north of Laurel.	12.8	7- 3-42 8-17-42 10-12-42 7-22-43 9-22-43	3.43 1.36 2.18 1.76 2.23
Fourmile Creek	Tenmile Creek	West line NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.39 N., R.3 E., at Hannegan Road, 1 mile north of Tenmile.	7.63	9-14-54	1.53

\* Discharge measurement or observation.

## BASINS NORTH OF SKAGIT RIVER

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nooksack River basin--Continued					
Fourmile Creek	Tenmile Creek	North line NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.39 N., R.3 E., at Tenmile Road, 1 mile north of Laurel.	9.33	9-21-48 8-19-49 9-10-54 10- 1-54	3.06 2.58 2.81 2.30
Do.....	.....do.....	East line NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.39 N., R.2 E., at U. S. Highway 99A 1 mile north of Laurel.	9.47	7- 3-42 8-17-42 10-12-42	2.54 2.99 2.19
Tenmile Creek	Barrett Lake	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.39 N., R.2 E., at gaging station "near Ferndale," (operated July to Sept. 1948, May to Oct. 1954).	25.8	10- 1-48 11- 2-48 8-19-49 8-14-51 11-17-54 8-23-55 8- 8-56 9- 6-56 7-29-58 8-18-58 7- 2-59 7-21-59 8-10-59	9.03 12.5 5.51 3.93 18.0 6.08 2.39 3.90 1.17 1.64 9.17 5.54 4.98
Larrabee Springs Creek	Deer Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.39 N., R.2 E., just below weir and temporary staff gage 100 ft below spring source and 1 $\frac{1}{2}$ miles southwest of Laurel. Note.--These discharge figures are for total flow from Larrabee Springs.	-	11-26-47 3-12-48 4- 8-48 5-12-48 6-24-48 8- 5-48 9-14-48 10-20-48 12- 1-48 4-25-49 6- 7-49 7- 7-49 8-17-49 10- 5-49 11- 8-49 1- 4-50 2- 1-50 3-20-50 5- 6-50 6-24-54 7-21-59 8-10-59	1.19 2.24 2.29 1.12 1.43 1.35 1.30 1.49 1.93 1.82 1.48 1.23 1.30 1.15 1.07 2.48 2.05 2.91 2.41 1.32 1.28 1.16
Larrabee Springs Creek distributary No. 1 "	.....do.....	North line of NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.39 N., R.2 E., above culvert on Smith Road 1 $\frac{1}{2}$ miles southwest of Laurel.	-	7-22-43 9-22-43 7- 7-54 7-22-54 9-11-54 9-29-54 8-23-55 8- 8-56 9- 7-56 7-21-59 8-10-59	.93 .87 .97 .83 .97 .91 .50 .43 .31 .55 .49
Deer Creek	Barrett Lake	West line NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.39 N., R.2 E., at Wisner Lake Road, 2 $\frac{1}{2}$ miles east of Ferndale.	6.53	7-22-43 9-22-43 7- 2-48 7-20-48 8- 2-48 8-16-48 10- 6-48 8-19-49 6-24-54 7- 7-54 7-22-54 9-10-54 9-29-54 8-23-55 8- 8-56 9- 7-56 8-18-58 7- 2-59 7-21-59 8-10-59	1.14 1.10 1.79 1.19 1.30 1.09 1.40 1.09 2.97 1.90 1.98 1.48 1.48 1.29 1.21 .88 82 1.74 1.17 1.01
Barrett Lake outlet	Nooksack River	East line NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.39 N., R.2 E., at road crossing, $\frac{1}{2}$ mile east of Ferndale.	34.1	9-10-54 9-30-54	9.67 8.36
Nooksack River	Bellingham Bay	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.39 N., R.2 E., at U. S. Highway 99 bridge at Ferndale.	786	10-26-45 3-25-54	41,600 2,040

If Also known as Andreason ditch.



## BASINS NORTH OF SKAGIT RIVER

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Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Nooksack River basin--Continued					
Lummi River	Lummi Bay	Diverts from Nooksack River in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.39 N., R.2 E., 1 mile south of Ferndale.	-	2- 9-55 2- 9-55 2-10-55 2-10-55 5-30-55 5-30-55 5-31-55 5-31-55 5-31-55 6-10-55 6-10-55 6-11-55 6-11-55 6-11-55 6-11-55 6-11-55 6-12-55 6-12-55 6-12-55 6-12-55 6-13-55 6-13-55	139 136 110 88.1 161 161 143 139 194 187 198 198 192 191 192 189 189 188 184 179 179
Larrabee Springs Creek dis-tributary No. 2	Silver Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.39 N., R.2 E., 300 ft south of Smith Road and 1 $\frac{1}{4}$ miles southwest of Laurel.	-	7- 2-59 7-21-59 8-10-59	.87 .72 .67
Silver Creek	Nooksack River	SE $\frac{1}{4}$ sec.34, T.39 N., R.2 E., at Sunset Road, 2 $\frac{1}{4}$ miles southeast of Ferndale.	7.60	7-20-48 8-19-49 9- 9-54 9-29-54	.91 .59 .10 .12
Minor basins north of Nooksack River					
Terrell Creek	Birch Bay	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.39 N., R.1 E., at Brown Road 1/3 mile east of Kickerville.	5.99	7-23-43 9-22-43 9- 9-54 9-30-54	0 .27 6.04 0
Fingalson Creek	Terrell Creek	North line NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.39 N., R.1 E., at Grandview Road, 1 $\frac{1}{2}$ miles northeast of Kickerville.	.83	9-20-48 9- 9-54 9-30-54	0 0 0
Terrell Creek	Birch Bay	East line NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.39 N., R.1 E., at J. J. Bell Road, 1 mile southwest of Pleasant Valley.	9.36	6-23-54 7- 6-54 7-30-54 9- 9-54 9-30-54 8-23-55 8- 7-56 9- 6-56 8-19-58 7- 1-59	1.53 7.50 2.81 5.48 0 5.25 0 0 0 2.45
Do.....	.....do.....	West line NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.39 N., R.1 E., at Jackson Road, 1 $\frac{1}{2}$ miles south of town of Birch Bay.	12.5	9-20-48 9- 9-54	0 5.09
California Creek	Drayton Harbor	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.40 N., R.1 E., at gaging station "near Custer," (operated May to Oct. 1954).	11.0	7- 3-42 7-23-43 9-22-43 11-16-54 8-19-58	1.14 .36 .41 10.4 .33
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.40 N., R.1 E., 200 ft below crossing of Birch Bay-Lynden Road, 2 $\frac{1}{2}$ miles northwest of Custer.	18.2	7- 2-48 7-20-48 8- 2-48 8-16-48 10- 6-48 9- 9-54 9-30-54	2.64 1.83 1.26 1.34 4.64 1.27 1.19
North Fork Dakota Creek	Dakota Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.40 N., R.1 E., at Custer School Road, 2 $\frac{1}{4}$ miles north of Custer.	7.92	7- 2-48 7-20-48 8- 2-48 8-16-48 10- 6-48 8-16-49 6-24-54 7- 6-54 7-30-54 9-10-54 9-30-54 8-23-55 8- 7-56 9- 6-56 8-19-58 7- 1-59	1.42 1.32 1.16 1.16 2.26 1.01 1.34 1.04 .94 .97 .77 1.05 .56 .70 .62 1.58

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins north of Nooksack River--Continued					
South Fork Dakota Creek	Dakota Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.40 N., R.1 E., at Custer School Road, 2 $\frac{1}{2}$ miles north of Custer.	8.25	9-20-48 8-16-49 9-10-54 9-30-54	1.23 .47 .87 .78
Dakota Creek	Drayton Harbor	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.40 N., R.1 E., at gaging station "near Blaine," (operated July 1948 to Sept. 1953, May to Oct. 1954).	618.4	10- 1-53 11-16-54 12- 3-54 8-23-55 8- 7-56 9- 6-56 8-13-58 7- 1-59 7-20-59 8-11-59	3.35 44.3 23.7 1.86 1.90 1.28 2.44 3.01 2.15 1.63
Dakota Creek tributary (formerly unnamed creek)	Dakota Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.40 N., R.1 E., at Haynie Road, 4 miles southeast of Blaine.	1.75	9-20-48 9-10-54 9-30-54	.36 .34 .27
Dakota Creek tributary No. 2	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.40 N., R.1 E., at county road 2 $\frac{1}{2}$ miles southeast of Blaine.	1.66	9-20-48 9-10-54 9-30-54	.47 .38 .39
Dakota Creek tributary No. 3	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.40 N., R.1 E., at Hoier Road 2 miles southeast of Blaine.	1.22	9-20-48 9-10-54 9-30-54	.28 .08 .16
Dakota Creek tributary No. 4	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.40 N., R.1 E., below crossing of Blaine-Lynden Road.	1.63	9-20-48 9-10-54 9-30-54	.05 .04 .05
Sumas River	Vedder River	SE $\frac{1}{4}$ sec.16, T.39 N., R.4 E., at Siper Road $\frac{1}{2}$ mile north of Lawrence.	1.84	9- 4-47 9- 9-54 10- 1-54	0 0 0
Do.....	.....do.....	West line NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.39 N., R.4 E., at State Highway 1 A, 1 $\frac{1}{2}$ miles northwest of Lawrence.	3.83	9-20-48 9- 9-54 10- 1-54	0 0 0
Dale Creek (formerly unnamed creek)	Sumas River	North line NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.39 N., R.4 E., at road crossing 2 $\frac{1}{2}$ miles southeast of Nooksack.	1.45	9- 4-47 9-20-48 6-22-54 7- 8-54 7-22-54 9-11-54 9-14-54 9-28-54 8-24-55 7- 3-59 7-22-59 8-11-59	0 .50 2.09 .99 .30 .99 .56 .62 .35 .44 .28 .21
Goodwin Ditch	.....do.....	West line NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.40 N., R.4 E., at Oat Coles Road, 1 1/3 miles southeast of Nooksack.	3.05	9- 4-47 7-13-48 7-21-48 8- 4-48 8-17-48 8-19-48 10- 7-48 7-22-54 7- 8-54 7-22-54 9-11-54 9-14-54 9-28-54 8-24-55 8- 9-56 9- 7-56 7- 3-59	2.59 3.50 3.50 3.33 3.04 3.19 7.44 6.61 6.51 5.62 5.79 5.74 2.98 4.46 3.86 3.79 6.29
Sumas River	Vedder River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.40 N., R.4 E., at farm bridge just below Goodwin Ditch, 1 mile southeast of Nooksack.	11.8	9- 4-47	9.19
Sumas River tributary (formerly Swift Creek)	Sumas River	NW $\frac{1}{4}$ sec.33, T.40 N., R.4 E., at Oat Coles Road, 1 mile southeast of Nooksack.	3.29	9- 4-47 9-20-48 6-23-54 7- 8-54 7-22-54 9-14-54 9-28-54	.42 .91 4.57 2.32 .55 1.45 1.47

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins north of Nooksack River--Continued					
Sumas River tributary	Sumas River	NW $\frac{1}{4}$ sec.33, T.40 N., R.4 E., at Oat Coles Road, 1 mile southeast of Nooksack.		8-24-55 7- 3-59 7-22-59 8-11-59	0.61 .81 .22 0
Sumas River	Vedder River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.40 N., R.4 E., at road crossing $\frac{1}{2}$ mile southeast of Nooksack.	15.4	7-22-48 8- 4-48 8-17-48 10- 7-48 8-17-49 6-23-54 7- 8-54 7-22-54 9- 9-54 9-28-54 8-24-55 9- 7-56 8-21-58 7- 3-59	12.1 10.9 10.6 21.5 12.7 18.2 16.3 14.4 14.3 12.5 10.6 8.46 6.82 14.3
Breckenridge Creek	Sumas River	East line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.40 N., R.4 E., at Goodwin Road, 1 $\frac{1}{2}$ miles northeast of Nooksack.	5.27	9- 5-47 7-13-48 7-21-48 8- 3-48 8-17-48 8-19-48 10- 7-48 6-23-54 7- 8-54 7-22-54 9-14-54 9-28-54 8-24-55 8- 9-56 9- 7-56 8-21-58 7- 3-59 7-22-59 8-11-59	.53 1.47 1.52 1.30 1.10 1.28 11.0 6.42 3.23 1.64 2.00 2.03 1.55 .95 .42 .27 2.58 1.30 .84
Kinney Creek	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.40 N., R.4 E., at Telegraph Road, 2 $\frac{1}{2}$ miles northeast of Nooksack.	1.91		
Sumas River	Vedder River	NE $\frac{1}{4}$ sec.11, T.40 N., R.4 E., at gaging station "near Sumas," (operated July 1948 to Nov. 1950, May to Oct. 1954).	30.8	8-14-51 11-16-54 8-24-55 8- 9-56 9- 7-56 8-19-58 7- 3-59 7-21-59 8-11-59	11.4 46.1 17.9 17.2 12.9 7.96 27.5 15.6 13.3
Bone Creek	Sumas River	South line SW $\frac{1}{4}$ sec.3, T.40 N., R.4 E., at Clearbrook Road, 1 mile southwest of Sumas.	1.27	9- 5-47 9- 9-54 10- 1-54	0 0 0
Do.....	.....do.....	NW $\frac{1}{4}$ sec.2, T.40 N., R.4 E., at Hovel Road at Sumas.	2.60	9-20-48	.20
Sumas River	Vedder River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.40 N., R.4 E., at road crossing below Bone Creek at Sumas.	34.1	9- 5-47	12.5
Johnson Creek	Sumas River	South line SW $\frac{1}{4}$ sec.8, T.40 N., R.4 E., at Lynden-Sumas Highway 1 mile south of Clearbrook.	5.88	9- 5-47 9-21-48 9-10-54	0 0 0
Squaw Creek (formerly West Branch Johnson Creek)	Johnson Creek	South line SE $\frac{1}{4}$ sec.12, T.40 N., R.3 E., at Lynden-Sumas Highway, 2 miles southwest of Clearbrook.	1.87	9-21-48 9- 9-54 10- 1-54	1.18 .88 .73
Squaw Creek tributary (formerly unnamed creek)	Squaw Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.40 N., R.4 E., at intersection of Lynden-Sumas Road and west Trapline Road 1 $\frac{1}{2}$ miles southwest of Clearbrook.	.41	9-21-48 9-14-54	.48 .31
Squaw Creek	Johnson Creek	South line SW $\frac{1}{4}$ sec.7, T.40 N., R.4 E., at Lynden-Sumas Highway, 1 $\frac{1}{2}$ miles southwest of Clearbrook.	3.53	9-21-48	1.50
Do.....	.....do.....	West line SW $\frac{1}{4}$ sec.8, T.40 N., R.4 E., at Van Buren Road 1 mile southwest of Clearbrook.	3.77	9- 5-47 9- 9-54 10- 1-54	.81 1.10 1.05

## BASINS NORTH OF SKAGIT RIVER

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins north of Nooksack River--Continued					
Pångborn Lake Creek	Squaw Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.5, T.40 N., R.4 E., at road crossing at Clearbrook.	3.03	9- 5-47 7-21-48 9-21-48 6-23-54 7- 8-54 7-22-54 9-14-54 9-28-54 8-24-55 8- 9-56 9- 7-56 8-19-58 7- 3-59 7-21-59 8-11-59	1.53 4.83 4.09 7.64 6.42 4.86 4.68 4.21 3.89 3.03 2.43 2.60 8.89 5.84 4.58
Johnson Creek	Sumas River	South line SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.40 N., R.4 E., at county road at Clearbrook.	13.6	7-21-48	8.31
Do.....	.....do.....	South line SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.41 N., R.4 E., at State Highway 1A at Sumas.	17.3	9- 5-47	10.7
Do.....	.....do.....	SE $\frac{1}{4}$ sec.34, T.41 N., R.4 E., at gaging station "at Sumas," (operated May to Oct. 1954).	25.3	7-12-48 7-21-48 8- 3-48 8-17-48 10- 7-48 8-17-49 11-18-54 8-24-55 8- 9-56 9- 7-56 8-21-58 7- 2-59 7-21-59 8-11-59	20.4 18.8 17.7 18.5 30.4 18.1 78.3 8.22 10.4 11.1 9.32 26.8 18.9 16.4
Saar Creek	.....do.....	Near center sec.12, T.40 N., R.4 E., at mouth of canyon, 1 $\frac{1}{2}$ miles southeast of Sumas.	7.63	9-20-48 8-17-49 9- 9-54 10- 1-54	2.67 1.89 3.04 2.68
Do.....	.....do.....	Center of north line sec.6, T.40 N., R.5 E., at gaging station "near Sumas," (operated May to Oct. 1954).	9.76	11-17-54 8-24-55 8- 9-56 9- 7-56 8-19-58 7- 2-59 7-21-59 8-11-59	27.1 1.39 .59 .08 0 3.61 1.44 .75
Do.....	.....do.....	E $\frac{1}{2}$ sec.31, T.41 N., R.5 E., at gaging station "near Sumas," (operated July to Sept. 1948).	10.3	10- 1-48 10- 8-48 11- 2-48	5.22 14.4 7.80

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Pend Oreille River basin					
Pend Oreille River	Columbia River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.56 N., R.6 W., at gaging station "at Newport," (operated June 1903 to 1960).	<sup>a</sup> 24,200	3-13-15 3-14-15	8,800 8,650
Deer Creek	Davis Lake	SE $\frac{1}{4}$ sec.7, T.31 N., R.44 E., at crest-stage gage "near Dalkena."	4.75	5-10-54 4-22-55 4- 8-56 5-20-57 2-25-58 4- 2-59 3-29-60	25.6 38.4 73.2 21.0 76.1 58 78
Davis Creek	Pend Oreille River	NE $\frac{1}{4}$ sec.31, T.32 N., R.44 E., crest-stage gage "near Dalkena."	16.8	4-18-54 4-22-55 4-22-56 5- 2-57 2-25-58 4- 2-59 3-30-60 11-24-60	72 97.5 140 77.7 164 98 175 96
Callispell Creek	Callispell Lake	SW $\frac{1}{4}$ sec.26, T.32 N., R.43 E., at gaging station "near Dalkena," (operated Aug. 1950 to 1960).	68.3		
Winchester Creek	.....do.....	NW $\frac{1}{4}$ sec.15, T.32 N., R.43 E., at crest-stage gage and staff gage "near Cusick." (Continuous record obtained Apr. to July 1957).	16.8	5-10-54 4-22-55 4-22-56 5-20-57 2-25-58 1-12-59 3-29-60 11-24-60	91.4 75.5 184 72 126 65.9 91 108
Callispell Creek	Pend Oreille River	S $\frac{1}{2}$ sec.1, T.32 N., R.43 E., 500 ft above county bridge, and 2 miles southwest of Usk.	105	5-24-58	136
Smalle Creek	Callispell Creek	SW $\frac{1}{4}$ sec.27, T.33 N., R.43 E., at gaging station "near Cusick," (operated Apr. to July 1957).	26.7		
Trimble Creek	Pend Oreille River	NW $\frac{1}{4}$ sec.14, T.33 N., R.43 E., at gaging station "near Cusick," (operated Apr. to July 1957).	3.47		
Pend Oreille River	Columbia River	SW $\frac{1}{4}$ sec.6, T.37 N., R.43 E., at highway bridge $\frac{1}{2}$ mile southeast of Ione.	<sup>a</sup> 24,900	9- 6-51 2- 1-52 2- 8-52 4-12-52 8-13-52 8-13-52 8-18-52 8-19-52 9- 1-52 9- 2-52 2-27-53 4-11-53	14,000 17,200 19,100 22,300 9,310 9,030 6,240 8,330 4,570 4,430 15,800 16,300
Little Muddy Creek	Big Muddy Creek	SW $\frac{1}{4}$ sec.6, T.37 N., R.43 E., at crest-stage gage "at Ione."	11.3	5-12-54 5-13-55 4-22-56 5-20-57 2-25-58 5- -59 4- 9-60	113 81.3 257 85.5 100 81 115
Jim Creek	Cedar Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.38 N., R.42 E., 3 miles northwest of Ione.	4.25	9- 2-59 9-16-59	1.38 1.01
Cedar Creek	Pend Oreille River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.38 N., R.42 E., 1 mile northwest of Ione.	17.8	9-21-59	12.2
Pend Oreille River	Columbia River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.38 N., R.43 E., at gaging station "below Box Canyon, near Ione," (operated Oct. 1952 to 1960).	<sup>a</sup> 24,900		
Pend Oreille River (formerly Clark Fork)	.....do.....	SE $\frac{1}{4}$ sec.21, T.39 N., R.43 E., at highway bridge at Metaline Falls. Gage heights only Nov. 1908 to Sept. 1910. (Operated May 1912 to Sept. 1928).	<sup>a</sup> 25,000	10-23-08 8-25-58 10-21-58	12,100 7,210 9,480
Sullivan Creek	Pend Oreille River	SE $\frac{1}{4}$ sec.30, T.39 N., R.44 E., at gaging station "above Outlet Creek, near Metaline Falls," (operated Jan. 1959 to 1960).	70.2	2-17-12	22.9

a Approximately.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Pend Oreille River basin--Continued					
Outlet Creek (formerly Sullivan Creek)	Sullivan Creek	NW $\frac{1}{4}$ sec.31, T.39 N., R.44 E., at gaging station "near Metaline Falls," (operated Jan. 1959 to 1960).	51.5	2-17-12	64.7
Sullivan Creek	Pend Oreille River	Near center sec.50, T.39 N., R.44 E., at gaging station "near Metaline Falls," (operated May 1912 to Dec. 1924).	122		
Sullivan Flume	Sullivan Reservoir (diverts from left side)	NE $\frac{1}{4}$ sec.25, T.39 N., R.43 E., at gage just below regulating reservoir on Sullivan Creek. Records Apr. 1912 to 1914 fragmentary, not published, and in district files.	-	5-10-12 12-22-12 8-20-13 1-18-14 6-12-14	60.3 59.3 61.2 64.4 68.1
Sullivan Creek	Pend Oreille River	NE $\frac{1}{4}$ sec.25, T.39 N., R.43 E., 50 ft below highway bridge, below diversion dam for Sullivan Creek Flume.	-	10- 3-22	30.8
North Fork Sullivan Creek	Sullivan Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.39 N., R.43 E., above highway crossing 2 miles east of Metaline Falls.	10.4	9-23-59	7.13
Sullivan Creek	Pend Oreille River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.39 N., R.43 E., at gaging station "at Metaline Falls," (operated Oct. 1953 to 1960).	142	9-14-25 1-30-26 3-28-26 5-15-26 5-26-26 9-16-26 4-10-27 6- 6-27 6-22-27 10- 2-27 4-24-28 11-14-28 4-27-29 5-31-29 7-14-29 8- 7-29 10- 4-29 12- 4-29 1-19-30 4- 7-30 5-21-30 6- 6-30 6-28-30 7-18-30 8-16-30 10- 8-30 2-23-31 5-28-31 8-27-31 5-29-32 6- 9-32 6-25-32 7- 1-32 7- 7-32 8-25-32 10-30-32 6- 8-33 6-13-33 6-16-33 6-23-33 8-19-52	96.2 66.0 35.0 223 744 77.9 86.0 905 729 249 247 81.1 112 333 102 75.4 62.8 82.1 88.9 62.5 246 183 95.7 63.8 48.2 45.4 97.2 224 80.0 753 762 448 363 187 61.4 48.6 900 961 1,500 670 122
Pend Oreille River	Columbia River	SE $\frac{1}{4}$ sec.10, T.40 N., R.43 E., at gaging station "below Z Canyon, near Metaline Falls," (operated Oct. 1928 to 1960).	25,200		
Do.....	.....do.....	At Waneta, B. C.		10-11-12 11-15-12 1-25-13 2- 9-13 3- 3-13 3-24-13 6-11-13 6-25-13 7-15-13 8- 4-13 9- 2-13 11- 6-13	10,200 13,100 8,070 7,000 7,620 8,660 119,000 106,000 59,600 28,800 14,200 8,300

a Approximately.

UPPER COLUMBIA RIVER BASIN

169

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Columbia River basin					
Columbia River	Pacific Ocean	SE $\frac{1}{4}$ sec.4, T.40 N., R.41 E., at gaging station "at international boundary," (operated Oct. 1937 to 1960).	59,700		
Minor basins between Pend Oreille and Kettle Rivers					
Kolle Creek	South Fork Deep Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.37 N., R.40 E., above bridge by sawmill, 4 miles southwest of Aladdin.	1.14	8-14-59	.34
Clinton Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T 37 N., R 40 E., above highway crossing 3 miles southwest of Aladdin.	1.56	8-14-59	.38
Sheep Creek	Columbia River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.40 N., R.39 E., at gaging station "near Velvet," (operated Aug. 1929 to Sept. 1932).	171	11- 3-28	26.5
Little Sheep Creek	Sheep Creek	Sec. 3, T.40 N., R.39 E., near old railroad station at Velvet.	27.2	11- 3-28 8-19-29	2.01 2.15
Sheep Creek	Columbia River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.40 N., R.39 E., at gaging station "near Northport," (operated June 1929 to Sept. 1942).	225	6-18-28 9-11-28 11- 3-28 about 5-29-48	278 47 36.4 †3,070
Kettle River basin					
Kettle River	Franklin D. Roosevelt Lake	In lot 7, center of W $\frac{1}{2}$ sec.10, T.40 N., R.32 E., at gaging station "near Ferry," (operated Aug. 1928 to 1960).	2,220		
Curlew Lake Branch of Sampoil River	Curlew Lake	NE $\frac{1}{4}$ sec.29, T.37 N., R.33 E.	-	4-22-21	.96
Curlew Creek	.....do.....	NW $\frac{1}{4}$ sec.29, T.38 N., R.33 E., at gaging station "near Malo," (operated May 1951 to Oct. 1954).	66.0	4-16-51 9-24-58	169 5.84
Lambert Creek	Curlew Creek	SE $\frac{1}{4}$ sec.21, T.38 N., R.33 E., at mouth at Karamin.	18.8	5- 4-17 6-17-17 7-10-17 7-14-17 7-31-17 4-21-18 5- 9-19 4- 8-20 5-14-20 4-21-21 4-21-21 5-25-21	1.93 8.56 2.47 1.45 .15 3.71 5.19 .66 5.10 4.66 4.21 8.11
Curlew Creek	Kettle River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.38 N., R.33 E., at gaging station "near Curlew," (operated May 1917 to June 1921).	88.7	5 or 6- -1948	†139
Kettle River	Franklin D. Roosevelt Lake	South line SE $\frac{1}{4}$ sec.11, T.39 N., R.33 E., at highway bridge at Curlew.	153	11-11-11 10-10-12	67.2 386
Third Creek	West Deer Creek	NE $\frac{1}{4}$ sec.19, T.39 N., R.35 E., at crest-stage gage "near Curlew."	1.18	5-10-54 7-27-55 4-22-56 5-20-57 2-25-58 5- 1-59 4- 9-60	1.9 12.6 11.6 12.0 11.6 13 16
Deep Creek	Kettle River	NW $\frac{1}{4}$ sec.11, T.40 N., R.36 E., 1,000 ft above mouth, 1 mile southeast of Laurier.	31.3	4-15-30 5-23-31 6- 5-31 4-19-33 3-27-34 6- 9-37 6-30-37 11-17-37 1-22-38 3-24-38 5-17-38 6- 6-38 6-20-38 5- 2-39 8-11-41	4.69 7.02 .93 17.6 17.4 3.79 6.69 1.10 .86 9.80 70.8 20.6 7.53 38.0 2.40

† Peak flow.

a Approximately.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Kettle River basin--Continued					
Kettle River	Franklin D. Roosevelt Lake	NW $\frac{1}{4}$ sec.11, T.40 N., R.36 E., at gaging station "near Laurier," (operated Sept. 1929 to 1960).	a3,800		
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.39 N., R.36 E., at highway bridge at east edge of Orient.	a3,860	10-21-04	674
Do.....	.....do.....	Near center sec.4, T.37 N., R.37 E., 1 mile above Boyds.	a4,070	10- 2-26	345
Deadman Creek (formerly Sherwood Creek)	Kettle River	NW $\frac{1}{4}$ sec.16, T.37 N., R.37 E., at U. S. Highway 395.	61.8	11- 3-13 1-14-14 2- 6-14 8- 6-15	11.2 10.1 6.84 18.1
Minor basins between Kettle and Colville Rivers					
Nancy Creek	F.D. Roosevelt Lake	SE $\frac{1}{4}$ sec.33, T.37 N., R.37 E., at crest-stage gage "near Kettle Falls."	11.9	4-19-52 5-10-54 5-21-55 4-22-56 5-20-57 2-25-58 5- 1-59 3-29-60	160 86.0 87.8 145 66.6 140 45 79
Sherman Creek	F.D. Roosevelt Lake	SE $\frac{1}{4}$ sec.25, T.36 N., R.36 E., 7 $\frac{1}{2}$ miles southwest of Kettle Falls.	90.0	about 5- 6-48	†740
Columbia River basin					
Columbia River	Pacific Ocean	Northwest corner lot 1, sec.14, T.36 N., R.37 E., at gaging station "at Kettle Falls," (operated Apr. 1913 to Sept. 1941).	-		
Colville River basin					
Sheep Creek	Colville River	NW $\frac{1}{4}$ sec.33, T.30 N., R.41 E., 800 ft below Loon Lake and $\frac{1}{4}$ mile west of town of Loon Lake.	35.8	6- 8-49 6- 9-49	5.13 4.10
Do.....	.....do.....	NE $\frac{1}{4}$ sec.32, T.30 N., R.41 E., 150 ft above crossing of U. S. Highway 395 and 1 mile west of town of Loon Lake.	-	6- 6-49 6- 8-49 6- 9-49 9- 9-49	5.24 5.03 4.35 0
Do.....	.....do.....	NE $\frac{1}{4}$ sec.32, T.30 N., R.41 E., at gaging station "at Loon Lake," (operated Apr. to Sept. 1950, Oct. 1951 to Sept. 1959).	37.9	10- 3-50 4- 8-51	0 3.34
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.30 N., R.40 E., at gaging station "at Springdale," (operated Jan. 1953 to 1960).	48.2		
Grouse Creek	Sheep Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.31 N., R.41 E., at road crossing 2 miles east of Jumpoff Joe Lake and 4 miles southeast of Valley.	8.19	8-10-59 10- 5-59 8- 8-60 9-26-60	1.65 1.18 1.59 1.15
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.30 N., R.41 E., at relocated U. S. Highway 395, 5 $\frac{1}{2}$ miles north of town of Loon Lake.	11.5	9-16-58	3.38
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.30 N., R.41 E., at crossing of county road from U. S. Highway 395 to Jump-off Joe Lake, 5 miles northwest of Loon Lake.	-	9-16-58	5.52
Sheep Creek	Colville River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.30 N., R.40 E., at county road bridge 3 $\frac{1}{2}$ miles north of Springdale.	91.8	3-28-60 3-28-60 5- 9-60 8- 8-60 9-26-60	41.1 72.2 22.0 12.9 13.9
Deer Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.30 N., R.40 E., at gaging station "near Valley," (operated July 1959 to 1960).	36.0		
Jumpoff Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.31 N., R.40 E., at highway bridge 2 miles south of Valley.	3.29	8- 8-59 10- 5-59 3-28-60 5- 9-60 8- 8-60 9-26-60	4.99 7.41 13.3 16.6 6.39 7.09
Colville River tributary	.....do.....	SW $\frac{1}{4}$ sec.29, T.31 N., R.41 E., at road crossing 3 miles southeast of Valley.	6.07	10- 5-59	1.70

† Peak flow.  
a Approximately.



UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Colville River basin--Continued					
Colville River	Columbia River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.31 N., R.40 E., at county road crossing at Valley.	161	8-11-59 10- 6-59 3-28-60 3-29-60 5- 9-60 8- 8-60 9-26-60	35.8 45.3 213 304 123 31.8 36.7
Huckleberry Creek	Colville River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.31 N., R.40 E., at farm bridge $3\frac{1}{2}$ miles northwest of Valley.	41.8	8-11-59 10- 6-59 3-29-60 5-10-60 8- 9-60 9-27-60	2.62 3.32 126 60.2 2.73 2.62
Cottonwood Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.32 R.40 E., below county road crossing $3\frac{1}{2}$ miles north of Valley.	-	9-11-58 8-11-59 10- 6-59 3-29-60 5-10-60 8- 9-60 9-27-60	6.63 8.22 9.03 134 38.8 8.09 6.64
Thomson Creek	.....do.....	NW $\frac{1}{4}$ sec.8, T.32 N., R.41 E., at crest-stage gage, "near Chewelah."	4.08	4-17-54 4-22-55 4-22-56 5-20-57 2-25-58 3- 1-59 3-30-60	3.7 5.4 5.8 7.0 8.0 6.9 12.9
Colville River	Columbia River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.32 N., R.40 E., below highway bridge $1\frac{1}{2}$ miles south of Chewelah.	295	8-11-59 10- 6-59 3-29-60 5-10-60 8- 9-60 9-27-60	49.9 64.3 398 289 52.8 58.7
North Fork Chewelah Creek	Chewelah Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.32 N., R.40 E., below county road culvert 1 mile north of Chewelah.	59.6	5-14-57 6-19-57 7-24-57 8-23-57 9-26-57 10-29-57 11-27-57 1- 8-58 6- 5-58 7-10-58 8-21-58 9-22-58 8-11-59 10- 6-59 3-29-60 5-10-60 8- 9-60 9-27-60	56.2 28.3 6.74 2.74 5.55 7.58 7.78 7.55 29.2 18.0 4.04 6.37 5.35 12.8 105 103 7.46 9.07
South Fork Chewelah Creek	.....do.....	NW $\frac{1}{4}$ sec.12, T.32 N., R.40 E., $\frac{1}{2}$ mile above gaging station at Chewelah and 1 mile north of Chewelah.	-	5-14-57 5-24-57 6-19-57 7-24-57 7-30-57 8-23-57 9-26-57 10-29-57 11-27-57 1- 8-58 6- 5-58 7-10-58 9-22-58	17.4 28.4 9.70 1.19 .38 .19 .70 4.47 4.49 3.30 6.49 3.13 1.28
Do.....	.....do.....	NE $\frac{1}{4}$ sec.11, T.32 N., R.40 E., 400 ft above mouth at Chewelah.	33.8	5-18-48	39.8
East Branch South Fork Chewelah Creek	.....do.....	NW $\frac{1}{4}$ sec.12, T.32 N., R.40 E., $\frac{1}{2}$ mile above Chewelah Creek gaging station and 800 ft east of confluence of North and South Forks of Chewelah Creek. (South Fork splits 1.5 miles upstream).	-	9-26-57 10-29-57 11-27-57 1- 8-58 6- 5-58 7-10-58 8-21-58 9-22-58 3-30-60	1.73 .65 .95 1.27 6.43 4.74 .88 1.88 29.8

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Colville River basin--Continued					
Chewelah Creek	Colville River	On line between SE $\frac{1}{4}$ sec.11 and SW $\frac{1}{4}$ sec.12, T. 32 N., R.40 E., at gaging station "at Chewelah," (operated Mar. 1957 to 1960).	94.1	4-17-56	273
Do.....	.....do.....	NW $\frac{1}{4}$ sec.14, T.32 N., R.40 E., at street crossing at Chewelah.	96.4	5-18-48	211
Colville River	Columbia River	NW $\frac{1}{4}$ sec.5, T.32 N., R.40 E., 150 ft above county road bridge 1 $\frac{1}{2}$ miles southeast of Blue Creek.	405	9-13-47	37.0
Do.....	.....do.....	NW $\frac{1}{4}$ sec.31, T.33 N., R.40 E., at gaging station "at Blue Creek," (operated Oct. 1922 to Sept. 1923, Apr. to Sept. 1924, July to Dec. 1960).	428	10- 3-26 9-22-58 8-12-59 10- 6-59 3-29-60 3-30-60 5-11-60	39.6 68.0 59.8 83.9 642 750 447
Mill Creek	Colville River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.33 N., R.39 E., above county road bridge 1 mile southwest of Addy.	53.0	8-12-59 10- 7-59 3-30-60 3-31-60 5-11-60 8-10-60 9-28-60	2.26 5.99 127 88.6 42.2 1.81 2.39
Stranger Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.33 N., R.39 E., above county road culvert 1 $\frac{1}{2}$ miles northwest of Addy.	42.9	8-12-59 10- 7-59 3-30-60 3-31-60 5-11-60 8-10-60 9-28-60	2.17 4.08 58.8 33.5 24.8 1.78 2.00
Do.....	.....do.....	NE $\frac{1}{4}$ sec.11, T.33 N., R.39 E., below bridge 600 ft upstream from mouth and 1 $\frac{1}{4}$ miles north of Addy.	43.3	10-11-58	.63
Colville River	Columbia River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.34 N., R.39 E., above county road bridge 2 $\frac{1}{2}$ miles northwest of Addy.	544	8-10-60 9-28-60	64.9 79.9
Big Horn Creek (formerly Thomas Lake tributary)	Lake Thomas	NW $\frac{1}{4}$ sec.9, T.36 N., R.42 E., at crest-stage gage "near Tiger."	1.65	5-10-54 5-21-55 4-22-56 5-20-57 2-25-58 5- 1-59 4- 6-60	10.4 11 41 13.5 9.8 7.1 13.1
Little Pend Oreille River	Colville River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.35 N., R.41 E., below highway bridge at Park Rapids.	66.0	8-13-59 10- 7-59 3-30- 3-31- 5-11-60 8-10-60 9-28-60	10.6 15.7 250 224 200 16.8 6.53
Do.....	.....do.....	NE $\frac{1}{4}$ sec.10, T 34 N., R.40 E., at gaging station "near Colville," (operated Dec. 1957 to 1960).	132	12-17-57	25.3
Narcisse Creek	Little Pend Oreille River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.35 N., R.40 E., at crest-stage gage "near Colville."	11.1	5-10-54 5-21-55 4-22-56 5-20-57 2-25-58 5-27-59 4- 6-60	25.0 28.0 61.8 60.2 30.0 22 39
Little Pend Oreille River	Colville River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.34 N., R.39 E., above highway bridge at Arden.	171	8-12-59 10- 7-59 3-30-60 3-31-60 5-11-60 8-10-60 9-28-60	14.2 29.4 462 378 292 28.8 20.3
Haller Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.34 N., R 39 E., at gaging station "near Arden," (operated Aug. 1959 to 1960).	37.0		

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Colville River basin--Continued					
Colville River	Columbia River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.35 N., R.39 E., above highway bridge at Orin.	784	8-13-59 10- 7-59 3-30-60 5-12-60 8-11-60 9-29-60	96.8 144 1,570 851 98.3 106
Mill Creek	Colville River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.36 N., R.40 E., $\frac{1}{2}$ mile above North Fork and 8 miles northeast of Colville	42.2	8-14-59 10- 8-59 3-30-60 3-31-60 5-12-60 8-11-60 9-29-60	3.71 5.35 258 204 90.5 3.81 2.88
North Fork Mill Creek	Mill Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.36 N., R.40 E., below highway bridge 8 miles northeast of Colville.	23.5	8-14-59 10- 8-59 3-30-60 3-31-60 5-12-60 8-11-60 8-12-60 9-29-60	7.34 5.56 119 93.4 79.2 7.48 7.19 5.20
Mill Creek	Colville River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.36 N., R.40 E., at gaging station "below Forks, near Colville;" (operated Mar. to Sept. 1959).	67.0	8-26-58 9-23-58 11- 5-58 10- 8-59 3-30-60 3-31-60 5-12-60 8-11-60 8-12-60 9-29-60	3.51 4.23 7.11 10.4 365 310 196 7.49 8.70 5.49
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.36 N., R.39 E., at gaging station "near Colville," (operated Oct. 1939 to 1960).	83.0		
Do.....	.....do.....	NW $\frac{1}{4}$ sec.17, T.36 N., R.39 E., just above Clugston Creek, 5 miles northwest of Colville.	104	9-12-58	12.7
Clugston Creek	Mill Creek	NW $\frac{1}{4}$ sec.17, T.36 N., R.39 E., at mouth 5 miles northwest of Colville.	32.8	9-11-58	0
Mill Creek	Colville River	SW $\frac{1}{4}$ sec.31, T.36 N., R.39 E., at gaging station "at mouth near Colville," (operated July 1959 to 1960).	146	9-12-58	13.2
Colville River	Columbia River	Sec.29, T.36 N., R.38 E., at gaging station "at Kettle Falls," (operated July 1959 to 1960).	1,007	10-17-04	210
Do.....	.....do.....	NW $\frac{1}{4}$ sec.35, T.36 N., R.37 E., at mouth near Kettle Falls.	1,020	7- 6-12 9-26-12 10-11-12	168 94.2 110
Minor basins between Colville and Spokane Rivers					
Barnaby Creek	Columbia River	Sec.23, T.34 N., R.36 E., $\frac{1}{2}$ miles above the mission and 10 miles north of Inchellium.	45.9	2-15-14 4-26-14 2-27-19	8.82 89.1 13.1
Lynx Creek	Hall Creek	Sec.20, T.33 N., R.36 E., 2 miles northwest of sawmill.	34.9	2-26-14	10.9
Hall Creek	Columbia River	N $\frac{1}{2}$ sec.6, T.32 N., R.37 E., at gaging station "at Inchellium," (operated Dec. 1912 to Sept. 1929, fragmentary).	161	12-18-12 10-16-22 3-17-25 3-22-26 3-23-26 10- 3-26 11-16-28	37.9 17.0 62.5 47.8 54.9 13.1 15.8
Stranger Creek	.....do.....	NW $\frac{1}{4}$ sec.21, T.32 N., R.36 E., at gaging station "at Meteor," (operated Sept. 1916 to Sept. 1929, fragmentary).	50.9	4-12-16 8-29-16 10-17-22 10-17-22 3-18-25 3-23-26 3-23-26 10- 3-26 10- 4-27 11-17-28	153 9.99 1.5 1.6 24.6 5.9 5.9 .27 3.63 .42

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Colville and Spokane Rivers					
Cornstalk Creek	Stranger Creek	E $\frac{1}{2}$ sec.15, T.32 N., R.36 E., at mouth $1\frac{1}{2}$ miles northeast of Meteor.	11.2	2-26-13	1.7
Stranger Creek	Columbia River	Sec.5, T.32 N., R.37 E., at gaging station "at Inchelium," (operated Mar. 1914 to June 1917).	92.3	8- 3-13 1-25-14 2-26-14 7- 8-17 9-16-17 5-17-20	16.9 12.5 18.0 23.5 5.70 11.2
South Fork Harvey Creek	Harvey Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.31 N., R.37 E., at crest-stage gage "near Cedonia."	18.1	5-10-54 4-20-55 4-22-56 5-20-57 2-25-58 1- 2-59 3-30-60	26.4 17.3 41.0 26.0 24.6 34 31
North Fork Harvey Creek	.....do.....	SW $\frac{1}{4}$ sec.6, T.31 N., R.38 E., at crest-stage gage "near Cedonia."	6.96	5-10-54 4-22-55 4-22-56 5-20-57 2-25-58 5- 1-59 3-29-60	7.6 6.4 14.9 5.3 8.2 7.0 7.8
Harvey Creek	Columbia River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.31 N., R.37 E., at gaging station "near Cedonia," (operated July to Oct. 1958).	29.9		
Spokane River basin					
Spokane River	Columbia River	N $\frac{1}{2}$ sec.6, T.25 N., R.46 E., at Spokane Bridge near Washington-Idaho line.	a3,870	10- 1-06	803
Do.....	.....do.....	NW $\frac{1}{4}$ sec.11, T.25 N., R.45 E., at gaging station "above Liberty Bridge near Otis," (operated by Washington Water Power Co., Jan. 1929 to 1960).	a3,680		
Do.....	.....do.....	NE $\frac{1}{4}$ sec.9, T 25 N., R 45 E., at Liberty Bridge $1\frac{1}{4}$ miles south of Otis Orchards.	-	8-15-29 5-14-30 1-28-32 9-12-32 12-28-33 12-30-33 6-10-35 6-10-35	934 5,040 1,490 802 42,200 36,600 14,000 13,900
Do.....	.....do.....	East line sec.7, T.25 N., R.45 E., at gaging station "at Greenacres," (operated Mar. 1948 to June 1952).	a4,150	9-16-04 7- 6-11 7-14-11 8-31-11 10-10-11 7-30-52 8-28-52 10- 7-52 11-19-52	727 3,610 1,970 1,560 1,460 280 212 374 1,660
Do.....	.....do.....	West line sec.7, T 25 N., R.44 E., at Flora Road $\frac{1}{2}$ mile northwest of Greenacres.	a4,150	9- 2-49	54.0
Do.....	.....do.....	SE $\frac{1}{4}$ sec.3 T.25 N., R.44 E., at gaging station "at Trent," (operated Oct. 1911 to Feb. 1913).	a4,200	4-23-13 9-15-13 9-29-14	29,000 1,520 1,510
Do.....	.....do.....	NE $\frac{1}{4}$ sec.4, T.25 N., R.44 E., at gaging station "below Trent Bridge near Spokane," (operated Jan. 1948 to 1960).	a4,200		
Do.....	.....do.....	W $\frac{1}{2}$ sec.10, T.25 N., R.43 E., at gaging station "below Green Street at Spokane," (operated Dec. 1948 to Sept. 1952).	a4,220	10- 9-52	2,110
Do.....	.....do.....	SW $\frac{1}{4}$ sec.13, T.25 N., R.42 E., at gaging station "at Spokane," (operated Apr. 1891 to 1960).	a4,290		
Hangman Creek (formerly Latah Creek)	Spokane River	N $\frac{1}{2}$ sec.23, T.20 N., R.45 E., at gaging station "at Tekoa," (operated Apr. 1904 to Sept. 1905).	135	6-18-14 9-15-58 1-24-59	2.40 1.61 †3,900
North Fork Hangman Creek (formerly North Fork Latah Creek)	Hangman Creek	S $\frac{1}{2}$ sec.14, T.20 N., R.45 E., at gaging station "at Tekoa," (operated Apr. 1904 to Sept. 1905).	64.6	9-15-58 1-24-59	.07 †3,750

† Peak flow.

a Approximately.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Spokane River basin--Continued					
Hangman Creek tributary No. 2	Hangman Creek	S $\frac{1}{2}$ sec.19, T.21 N., R.45 E., at State Highway 3H, 600 ft south of Farmington Cemetery and 1 mile north of Latah.	0.57	5-18-57	†197
South Fork Rock Creek tributary	Rock Creek	On north line of sec.1, T.21 N., R.45 E., 6 miles southeast of Fairfield.	1.86	5-18-57	†113
Stevens Creek tributary	Stevens Creek	NE $\frac{1}{4}$ sec.22, T.24 N., R.43 E., at crest-stage gage "near Moran."	2.02	8-20-54 2- 8-55 12-22-55 2-26-57 2-12-58 1-24-59 3-29-60	40.1 11.3 47.4 51.5 5.3 14 27
Hangman Creek (formerly Latah Creek)	Spokane River	NW $\frac{1}{4}$ sec.24, T.25 N., R.42 E., at gaging station "at Spokane," (operated Apr. 1948 to 1960).	689	3-30-04	1,740
Spokane River	Columbia River	SE $\frac{1}{4}$ sec.28, T.26 N., R.42 E., at gaging station "above Seven-Mile Bridge, near Spokane," (operated Nov. 1948 to Sept. 1952).	a5,020	10- 9-52	2,390
Deep Creek	Spokane River	NE $\frac{1}{4}$ sec.7, T.25 N., R.41 E., at gaging station "near Spokane," (operated Mar. to June 1949, Feb. to Mar. 1950).	77.3	7-18-49 4-15-50	0 15.4
Do.....	Spokane River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.26 N., R.42 E., 0.3 mile above Coulee Creek and 1.6 miles south of Nine-Mile Falls.	115	1-24-59	†3,700
Coulee Creek	Deep Creek	NW $\frac{1}{4}$ sec.24, T 26 N., R.41 E., 300 ft above county bridge and 5 miles northwest of Spokane.	48.0	3- 1-49 3-31-49 4-18-49 5- 8-49 6- 3-49 6-10-49 7-18-49 2-23-50 4-15-50 5-20-50 8-26-50 2-17-51 3-22-51 4- 7-51	23.6 2.71 0 0 0 0 3.77 5.97 0 0 0 2.07 16.3 4.04
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.26 N., R.41 E., 1 mile above mouth, 4 miles northwest of Spokane city limits.	-	3- 1-49 1-24-59	64.4 †1,530
Spokane River	Columbia River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.26 N., R.42 E., at gaging station "below Nine-Mile Dam near Spokane," (operated Mar. 1948 to Sept. 1950).	5,205	11-10-50 12-10-50	4,900 6,910
Little Spokane River basin					
Little Spokane River	Spokane River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.30 N., R.45 E., at gaging station "at Scotia," (operated July to Sept. 1948).	74.2	10- 5-48 10-22-48	29.4 27.7
Do.....	.....do.....	SE $\frac{1}{4}$ sec.8, T.29 N., R.44 E., at gaging station "at Elk," (operated July 1948 to Sept. 1960).	115		
Dry Creek	Little Spokane River	NW $\frac{1}{4}$ sec.30, T.29 N., R.44 E., 1,500 ft below road crossing and 2 miles northeast of Milan.	20.8	7-13-48 7-27-48 8-10-48 8-25-48 9- 8-48 9-20-48 10- 4-48 10-22-48	6.44 4.42 3.40 3.10 2.62 2.84 3.19 2.96
Cold Snow Creek	Dry Creek	South line sec.19, T.29 N., R.44 E., 1,000 ft above mouth and 2 miles northeast of Milan.	-	9-20-48 10-22-48	4.54 4.42
Otter Creek	Little Spokane River	NW $\frac{1}{4}$ sec.26, T.30 N., R.43 E., 150 ft below road crossing and 5 miles northwest of Elk.	-	9-23-48	.87
Do.....	.....do.....	NW $\frac{1}{4}$ sec.2, T.29 N., R. 43 E., 2,000 below bridge near farmhouse and 3 $\frac{1}{2}$ miles northwest of Elk.	14.4	9-28-48	4.76

† Peak flow.  
a Approximately.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Little Spokane River basin--Continued					
Otter Creek tributary (formerly unnamed creek)	Otter Creek	SE $\frac{1}{4}$ sec.1, T.29 N., R.43 E., 30 ft above road crossing $1\frac{1}{2}$ miles northwest of Elk.	3.59	9-28-48	.53
Otter Creek tributary No. 2	.....do.....	NW $\frac{1}{4}$ sec.7, T.29 N., R.44 E., 30 ft above road crossing $1\frac{1}{2}$ miles northwest of Elk.	3.55	9-28-48	.28
Otter Creek	Little Spokane	SE $\frac{1}{4}$ sec.13, T.29 N., R.43 E., 150 ft below road crossing and $1\frac{1}{2}$ miles southwest of Elk.	-	9- 1-48 9-10-48 9-22-48 9-28-48 10-21-48	8.77 8.18 8.11 8.58 7.64
Moon Creek	Sacheen Lake	NW $\frac{1}{4}$ sec.17, T.30 N., R.44 E., 50 ft above road crossing and 6 miles north of Elk.	2.43	9- 1-48 9-23-48 10-22-48	.76 .68 .47
West Branch Little Spokane River	Little Spokane River	NE $\frac{1}{4}$ sec.22, T.29 N., R.43 E., 250 ft below road crossing and $3\frac{1}{2}$ miles southwest of Elk.	104	7-10-48 7-28-48 8-10-48 8-25-48 9- 9-48 9-23-48 10- 4-48 10-21-48	117 54.4 38.2 30.2 19.5 21.7 22.0 27.3
Little Spokane River	Spokane River	NE $\frac{1}{4}$ sec.35, T.29 N., R.43 E., at gaging station "at Milan," (operated July to Oct. 1948).	275	10- 1-48 10-26-48	92.4 89.1
Do.....	.....do.....	SE $\frac{1}{4}$ sec.11, T.28 N., R.43 E., 1,000 ft above railroad bridge, $\frac{1}{2}$ mile above Bear Creek and $3\frac{1}{2}$ miles north of Chattaroy.	283	7-29-48 8-27-48 10- 1-48 10-21-48	153 103 99.6 94.0
Bear Creek	Little Spokane River	NW $\frac{1}{4}$ sec.3, T.28 N., R.43 E., 400 ft above crossing of farm road, 5 miles north of Chattaroy.	8.64	7-29-48 8-25-48 9- 1-48 9-22-48 10-21-48	2.73 1.97 1.92 1.99 2.38
Do.....	.....do.....	NW $\frac{1}{4}$ sec.20, T.28 N., R.43 E., at road crossing $\frac{1}{2}$ mile above mouth and 3 miles north of Chattaroy.	-	7-11-48 7-29-48 8-11-48 8-27-48 9- 9-48 9-22-48 10- 4-48 10-21-48	1.90 1.68 1.24 1.13 1.26 1.20 .79 1.17
Little Spokane River	Spokane River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.28 N., R.43 E., at gaging station "at Chattaroy," (operated July to Oct. 1948). (See addendum).	300	9-13-55	63.7
Deer Creek	Little Spokane River	NE $\frac{1}{4}$ sec.20, T.28 N., R.44 E., 150 ft above Little Deer Creek, and $4\frac{1}{2}$ miles northeast of Chattaroy.	14.7	8-31-48 9-20-48 10-19-48	1.52 1.61 1.87
Little Deer Creek	Deer Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.28 N., R.44 E., 10 ft above Cottonwood Creek and $4\frac{1}{2}$ miles northeast of Chattaroy.	4.76	8-31-48 9-20-48 10-19-48	.33 .19 .32
Cottonwood Creek	Little Deer Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.28 N., R.44 E., at mouth and $4\frac{1}{2}$ miles northeast of Chattaroy.	4.10	9- 1-48 9-20-48 10-19-48	Trace Trace Trace
Little Deer Creek	Deer Creek	NE $\frac{1}{4}$ sec.20, T.28 N., R.44 E., 80 ft above mouth and $4\frac{1}{2}$ miles northeast of Chattaroy.	6.94	8-31-48	.42
Deer Creek	Little Spokane River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.28 N., R.43 E., 1,500 ft below road crossing 1 mile east of Chattaroy. (See addendum).	31.9	7-11-48 7-26-48 8- 9-48 8-23-48 9- 7-48 9-20-48 10- 4-48 10-19-48 9-13-55	9.68 3.52 2.72 1.90 1.06 1.17 1.51 1.68 0

UPPER COLUMBIA RIVER BASIN

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Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Little Spokane River basin--Continued					
Dragoon Creek	Little Spokane River	SW $\frac{1}{4}$ sec.9, T.29 N., R.42 E., 200 ft above road crossing and 5 miles northwest of Deer Park.	18.1	7-13-48 7-28-48 8-11-48 8-27-48 8-30-48 9- 9-48 9-21-48 10-20-48	4.17 3.60 1.42 .77 .69 .81 .82 1.12
Dragoon Creek tributary (formerly unnamed creek)	Dragoon Creek	SW $\frac{1}{4}$ sec.9, T.29 N., R.42 E., 500 ft above road crossing and 5 miles northwest of Deer Park.	2.86	9-21-48	.20
Dragoon Creek tributary No. 2	.....do.....	SE $\frac{1}{4}$ sec.17, T.29 N., R.42 E., 4 $\frac{1}{2}$ miles northwest of Deer Park.	1.17	9- 1-48	0
Dragoon Creek tributary No. 3	.....do.....	NE $\frac{1}{4}$ sec.20, T.29 N., R.42 E., about 4 miles northwest of Deer Park.	.67	9- 1-48	Trace
Ecks Creek	.....do.....	NW $\frac{1}{4}$ sec.15, T.29 N., R.42 E., 4 miles north of Deer Park.	6.67	9- 1-48	Trace
Spring Creek (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ sec.34, T.29 N., R.42 E., at road crossing $\frac{1}{2}$ mile northwest of Deer Park.	17.2	8-30-48 9-21-48 10-20-48	2.98 3.17 3.51
Dragoon Creek	Little Spokane River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.28 N., R.42 E., 300 ft above county road bridge and $\frac{1}{2}$ mile west of Deer Park.	58.2	9-12-47	4.64
Beaver Creek	Dragoon Creek	South line SE $\frac{1}{4}$ sec.4, T.28 N., R.42 E., at road crossing 1 mile southwest of Deer Park.	11.2	8-30-48 9-21-48 10-20-48	.85 1.03 1.68
West Branch Dragoon Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.28 N., R.42 E., 200 ft below crossing of Monroe Road and 2 $\frac{1}{2}$ miles south of Deer Park.	-	8-30-48 9-21-48 10-20-48	3.98 4.11 5.52
Mud Creek	.....do.....	South line SE $\frac{1}{4}$ sec.24, T.28 N., R.41 E., at Staley (Duncan) Road, 6.1 miles west of U. S. Highway 395, and 5.3 miles southwest of Deer Park, (crest-stage gage "Mud Creek near Deer Park.")	1.85	5-10-54 4-22-55 4-22-56 2-24-57 2-25-58 1-12-59 2- 7-60	6.1 6.0 19.2 27.4 11.1 22 18.9
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.28 N., R.42 E., at crossing of Monroe Road, 3 $\frac{1}{2}$ miles south of Deer Park.	10.1	8-30-48 9-21-48 10-20-48	.88 1.06 1.43
Wethy Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.27 N., R.42 E., 500 ft below spring and 6 $\frac{1}{2}$ miles south of Deer Park.	4.79	5-20-48 6-24-49 7-22-49	0 .02 0
Do.....	.....do.....	Near center SW $\frac{1}{4}$ sec.4, T.27 N., R.42 E., at broken bridge, 6 $\frac{1}{2}$ miles south of Deer Park.	4.98	5-20-48 6-24-48 7-22-49	.18 .30 .34
Do.....	.....do.....	At intersection of stream and north-south center line of sec.4, T.27 N., R.42 E., 6 miles south of Deer Park.	5.58	5-20-48 6-24-49 7-22-49	.50 .36 .59
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.27 N., R.42 E., at crossing of Grove Road, 6 miles south of Deer Park.	8.38	5-20-48 7-30-48 8-27-48 8-30-48 9-22-48 10-20-48 6-24-49 7-22-49	1.65 1.00 .65 1.00 1.08 1.44 .69 .80
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.28 N., R.42 E., at gaging station "near Deer Park," (operated July to Oct. 1948).	12.0		
Dragoon Creek	Little Spokane River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.29 N., R.42 E., 70 ft below road crossing, 5 miles west of Chattaroy.	136	8-27-48 9- 1-48 9-22-48 10-20-48	13.9 13.1 15.7 18.9

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Little Spokane River basin--Continued					
Huston Creek (formerly unnamed creek)	Dragoon Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.28 N., R.42 E., 100 ft below crossing of Wild Rose Road, 5 miles west of Chattaroy.	3.88	7-12-48 7-30-48 8-12-48 8-27-48 8-30-48 9- 9-48 9-22-48	.70 .57 .35 .32 .32 .40 .41
Dragoon Creek tributary No. 4	.....do.....	SE $\frac{1}{4}$ sec.36, T.28 N., R.42 E., at crossing of Wild Rose Road, 4 miles west of Chattaroy.	2.23	8-27-48 9- 1-48 9-22-48 10-20-48	.28 .28 .33 .32
Dragoon Creek	Little Spokane River	SE $\frac{1}{4}$ sec.33, T.28 N., R.43 E., at road crossing. (See addendum).	177	7-12-48 7-27-48 8- 9-48 8-23-48 9- 7-48 9-21-48 10- 4-48 10-21-48 9-14-48	33.2 16.7 18.5 16.2 15.8 18.3 22.4 21.7 11.4
Little Spokane River	Spokane River	East line NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.27 N., R.43 E., 500 ft below Dragoon Creek and $\frac{1}{4}$ miles south of Chattaroy. (See addendum).	512	9-13-55	81.7
Do.....	.....do.....	NE $\frac{1}{4}$ sec.16, T.27 N., R.43 E., 50 ft above bridge at Buckeye. (See addendum).	518	9-13-55	88.4
Do.....	.....do.....	SE $\frac{1}{4}$ sec.21, T.27 N., R.43 E., 50 ft below bridge, $\frac{1}{2}$ miles south of Buckeye. (See add.)	523	9-14-55	92.7
Do.....	.....do.....	S $\frac{1}{2}$ sec.28, T.27 N., R.43 E., at county road bridge 2.5 miles south of Buckeye. (See add.)	524	9-14-55	89.2
Deadman Creek tributary (formerly unnamed creek)	Deadman Creek	NW $\frac{1}{4}$ sec.26, T.27 N., R.44 E., at road crossing 7 miles northeast of Mead.	1.18	9-20-48	0
Deadman Creek tributary No. 2	.....do.....	SW $\frac{1}{4}$ sec.26, T.27 N., R.44 E., at road crossing, 7 miles northeast of Mead.	7.87	9-20-48	0
Deadman Creek	Little Spokane River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.27 N., R.44 E., 200 ft below crossing of Foothills Road, $\frac{1}{2}$ mile east of Peone.	39.1	7-26-48 8- 9-48 8-23-48 9- 7-48 9-20-48 10- 4-48 10-19-48	10.6 8.13 5.63 3.61 3.68 4.03 3.85
Do.....	.....do.....	NW $\frac{1}{4}$ sec.4, T.26 N., R.44 E., 150 ft above crossing of Foothills Road, $\frac{1}{2}$ miles north-east of Mead.	45.6	7-11-48	22.8
Peone Creek	Deadman Creek	NE $\frac{1}{4}$ sec.8, T.26 N., R.44 E., 50 ft above crossing of Foothills Road and 4 miles east of Mead.	10.9	7-26-48 8- 9-48 8-23-48 8-31-48 9-20-48 10-19-48	.46 .35 .22 .07 .04 .23
Deadman Creek tributary No. 3	.....do.....	SE $\frac{1}{4}$ sec.36, T.27 N., R.43 E., at crossing of Highland Road, $2\frac{1}{2}$ miles northeast of Mead.	4.14	9- 1-48	0
Deadman Creek	Little Spokane River	SE $\frac{1}{4}$ sec.3, T.26 N., R.43 E., at road crossing, $\frac{1}{4}$ mile north of Mead. (See addendum).	80.3	7-11-48 7-26-48 8- 9-48 8-23-48 9- 7-48 9-20-48 10- 4-48 10-19-48 9-15-48	22.9 8.75 7.08 4.52 3.07 2.97 3.41 3.60 2.04
Bigelow Gulch (formerly Bigelow Creek)	Little Spokane River	NW $\frac{1}{4}$ sec.25, T.26 N., R.43 E., 2 miles north-east of Spokane.	1.68	6-11-50	†1,510
Deadman Creek	.....do.....	NW $\frac{1}{4}$ sec.3, T.26 N., R.43 E., 1,000 ft below crossing of U. S. Highway 2 and $\frac{1}{4}$ mile northwest of Mead. (See addendum).	94.7	9-15-55	12.0

† Peak flow.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Little Spokane River basin--Continued					
Deep Creek (formerly South Fork Deep Creek)	Deadman Creek	NW $\frac{1}{4}$ sec.3, T.27 N., R.44 E., 200 ft above crossing of Big Meadows Road, 5 $\frac{1}{2}$ miles south-east of Chattaroy.	6.17	8-31-48 9-20-48 10-19-48	.52 .34 .36
Deep Creek tributary (formerly Middle Fork Deep Creek)	Deep Creek	SW $\frac{1}{4}$ sec.34, T.28 N., R.44 E., 75 ft above road crossing 5 $\frac{1}{2}$ miles east of Chattaroy.	2.20	8-31-48 9-20-48 10-19-48	.10 .11 .23
Deep Creek tributary No. 2 (formerly North Fork Deep Creek)	.....do.....	NE $\frac{1}{4}$ sec.33, T.28 N., R.44 E., 30 ft below road crossing 5 miles east of Chattaroy.	5.41	8-31-48 9-20-48 10-19-48	.32 .28 .37
Deep Creek tributary No. 3	.....do.....	SE $\frac{1}{4}$ sec.8, T.27 N., R.44 E., at old private road crossing, 3 $\frac{1}{2}$ miles northeast of Colbert.	-	8-31-48	Trace
Deep Creek	Deadman Creek	SE $\frac{1}{4}$ sec.22, T.27 N., R.43 E., at gaging station "at Colbert," (operated July to Oct. 1948).	31.8	9-14-55	0
Little Spokane River	Spokane River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.27 N., R.43 E., 800 ft below Deadman Creek and 1 $\frac{1}{2}$ miles northeast of Dartford. (See addendum).	659	9-26-30 9-14-55	81.0 93.5
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.27 N., R.43 E., 200 ft above Wandermere Lake Creek and $\frac{1}{2}$ mile east of Dartford. (See addendum).	660	9-14-55	105
Wandermere Lake Creek	Little Spokane River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.27 N., R.43 E., 50 ft above mouth and $\frac{1}{2}$ mile east of Dartford.	4.32	9-15-55	7.08
Little Spokane River	Spokane River	NE $\frac{1}{4}$ sec.6, T.26 N., R.43 E., at gaging station "at Dartford," (operated Apr. 1929 to Sept. 1932, Dec. 1946 to 1960).	665		
Little Creek (formerly Sheep or Dartford Creek)	Little Spokane River	SW $\frac{1}{4}$ sec.29, T.27 N., R.43 E., 1.6 miles above mouth and 1 $\frac{1}{2}$ miles north of Dartford.	11.1	7-26-48 7-30-48 8-26-48 8-31-48 9-22-48 10-22-48	1.36 1.50 1.13 1.01 1.28 1.32
Do.....	.....do.....	NE $\frac{1}{4}$ sec.6, T.26 N., R.43 E., 100 ft above mouth at Dartford. (See addendum).	11.9	7-30-48 8-26-48 8-30-48 9-22-48 10-22-48	1.34 .80 .60 1.66 1.71
Little Spokane River	Spokane River	West line NW $\frac{1}{4}$ sec.12, T.26 N., R.42 E., at crossing of Rutter Parkway, 2 miles southwest of Dartford. (See addendum).	691	9-15-55	292
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.26 N., R.42 E., at gaging station "near Dartford," (operated Apr. 1948 to Sept. 1951).	698	10- 9-51	401
Do.....	.....do.....	Near center sec.5, T.26 N., R.42 E., at Normans Ranch 1 $\frac{1}{4}$ miles above mouth and 1 mile east of Nine-Mile Falls. (See addendum).	700	8- 4-03 11-16-03 3- 3-04 5-20-04 4-19-04 6- 7-20 8- 2-20 10- 6-20 11-24-20 8-17-23 8-18-24 9-12-24 8-23-26 9-26-30 10- 1-30 10-13-30 1- 6-31 3- 5-31 5- 1-31 7-29-31 8-29-31 10-30-31 1- 6-32	573 455 838 850 2,420 402 379 341 439 376 360 361 369 358 342 353 347 434 396 304 314 325 377

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Little Spokane River basin--Continued					
Little Spokane River	Spokane River	South line sec.32, T.26 N., R.42 E., at gaging station "near Spokane," (operated Apr. to Nov. 1913).	701	10-11-11	357
				3- 7-12	391
				12-27-12	895
				3-27-13	642
				12- 9-46	470
				1-25-47	685
				3-17-47	622
				7-28-47	348
				10-19-47	462
				12- 7-47	462
				2-21-48	739
				8-12-48	452
				8-26-48	425
				9-10-48	412
				9-24-48	421
				10-25-48	426
				1- 9-49	429
				6- 2-49	540
				9- 2-49	405
				10-19-49	389
				11-25-49	454
				1-11-50	473
				4-18-50	1,440
7-17-50	448				
8-21-50	410				
8-24-50	414				
9-29-50	386				
11-11-50	484				
12-11-50	481				
2- 5-51	670				
3-10-51	731				
7-14-51	437				
8-27-51	405				
9-15-55	370				
Spokane River basin below Little Spokane River					
Spokane River	Columbia River	NW $\frac{1}{4}$ sec.24, T.27 N., R.39 E.	-	11-12-06	2,500
Do.....	.....do.....	SW $\frac{1}{4}$ sec.13, T.27 N., R.39 E., at gaging station "at Long Lake," (operated Apr. 1939 to 1960).	a6,080		
Chamokane Creek	Spokane River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.27 N., R.39 E., $\frac{1}{2}$ mile above mouth.	180	9-16-58	31.0
Spokane River	Columbia River	N $\frac{1}{2}$ sec.20, T.27 N., R.39 E., below Little Falls near Long Lake.	a6,280	4-24-42	14,900
Spring Creek tributary	Spring Creek	SW $\frac{1}{4}$ sec.14, T.26 N., R.39 E., at crest-stage gage "near Rearden."	1.14	8-19-54	30
				2- 8-55	37.5
				3- 2-56	67.2
				5-19-57	96.8
				2-25-58	35.8
				1-11-59	102
				2- 7-60	63
Minor basins between Spokane and Sanpoil Rivers					
Hawk Creek	Columbia River	W $\frac{1}{2}$ sec.21, T.25 N., R.37 E., at U. S. Highway 2, at east edge of Davenport.	-	2-26-57	†2,200
				1-24-59	†1,010
Snook Canyon	Hawk Creek	SE $\frac{1}{4}$ sec.2, T.27 N., R.36 E., at State Highway 22, 14 miles north of Davenport.	.45	8-19-54	†519
Snook Canyon tributary (formerly unnamed tributary)	Snook Canyon	SW $\frac{1}{4}$ sec.1, T.27 N., R.36 E., at State Highway 22, 14 miles north of Davenport.	.30	8-19-54	†467
Sanpoil River basin					
Sanpoil River	Franklin D. Roosevelt Lake	NE $\frac{1}{4}$ sec.29, T.37 N., R.33 E., 40 ft below Curlew Lake branch at Torbey.	-	4-22-21	13.4
				5-26-21	22.3
O'Brien Creek	Sanpoil River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.36 N., R.33 E., 200 ft above mouth $\frac{1}{2}$ miles east of Republic.	-	4-23-21	25.3
				5-26-21	62.3

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Sanpoil River basin--Continued					
Granite Creek	Sanpoil River	W $\frac{1}{2}$ sec.31, T.37 N., R.32 E., at crest-stage gage "near Republic."	4.25	5-10-54 5-22-55 4-22-56 5-20-57 4-23-58 5- 2-59 5-20-60	12.4 25.3 36.3 16.3 12.9 11.9 5.2
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.1, T.36 N., R.32 E., 600 ft above mouth of creek draining Mud Lake at Republic.	66.6	4-23-21	71.5
Lost Creek	West Fork Sanpoil River	SW $\frac{1}{4}$ sec.3, T.34 N., R.30 E., at dam site, 1 $\frac{1}{2}$ miles above gaging station.	71.0	10-11-20	2.51
Do.....	.....do.....	W $\frac{1}{2}$ sec.36, T.35 N., R.30 E., at gaging station "near Aeneas," (operated Oct. 1920 to Sept. 1921).	80.2	9- 9-20 10-19-21 10-19-21	1.99 3.92 3.90
West Fork Sanpoil River	Sanpoil River	NE $\frac{1}{4}$ sec.2, T.34 N., R.31 E., 325 ft below north boundary of Colville Indian Reservation, 6 $\frac{1}{2}$ miles southeast of Aeneas.	241	6- 1-48	†748
Do.....	.....do.....	SW $\frac{1}{4}$ sec.11, T.34 N., R.32 E., just upstream from highway bridge at West Fork.	308	6- 1-48	†879
Sanpoil River	Franklin D. Roosevelt Lake	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.30 N., R.33 E., at gaging station "near Keller," (operated Aug. 1952 to Sept. 1955, crest-stage gage 1956 to 1959).	880	10-31-55 4-23-56 5-21-57 - -58 - -59	*65.3 3,920 1,420 1,350 1,080
Do.....	.....do.....	NE $\frac{1}{4}$ sec.29, T.30 N., R.33 E., at old abandoned wooden bridge at Keller.	901	6- 1-48	†3,290
Do.....	.....do.....	SW $\frac{1}{4}$ sec.4, T.29 N., R.33 E., at gaging station "at Keller," (operated May 1911 to Oct. 1917).	928	4-20-11	442
Columbia River basin					
Columbia River	Pacific Ocean	Opposite lot 4, sec.36, T.29 N., R.30 E., at gaging station "at Grand Coulee Dam," (operated Apr. 1913 to 1960).	274,700		
Nespelem River basin					
Nespelem Canal	Diverts from Nespelem River	NE $\frac{1}{4}$ sec.24, T.31 N., R.30 E., at gaging station "at Nespelem," (operated Apr. 1921 to Sept. 1929).	-		
Nespelem River	Columbia River	SE $\frac{1}{4}$ sec.13, T.31 N., R.30 E., at dam site.	-	9-29-20 9-30-20	5.27 5.86
Do.....	.....do.....	NE $\frac{1}{4}$ sec.24, T.31 N., R.30 E., at gaging station "at Nespelem," (operated May 1911 to Sept. 1929).	122		
Little Nespelem River	Nespelem River	NE $\frac{1}{4}$ sec.3, T.31 N., R.31 E., at Owl Lake outlet.	13.2	2-19-14 4-17-14 8-30-14 4- 9-15	1.04 31.4 0 15.2
Do.....	.....do.....	Sec.32, T.31 N., R.31 E.	65.4	5- 1-11	2.61
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.30 N., R.30 E., at State Highway 10A, $\frac{1}{4}$ mile south of Colville Indian Agency.	90.4	7-28-13 2-20-14 2-21-14 2-22-14 4-18-14 4-20-14 8-30-14 3-22-15 4- 9-15 6-26-15	.33 3.63 86.1 61.2 59.9 43.5 .05 17.1 20.6 8.26
Nespelem River	Columbia River	W $\frac{1}{2}$ sec.3, T.30 N., R.30 E., $\frac{1}{2}$ mile above mouth.	224	7-29-13 3-10-55	15.4 37.3

\* Discharge measurement.

† Peak flow.

a Approximately.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Foster Creek Basin					
East Fork Foster Creek	Foster Creek	On State Highway 10 at Leahy, 0.2 mile south of junction of State Highway 10 and 10B, 16 miles southeast of Bridgeport.	35.4	1-12-59	+355
Do.....	.....do.....	SE $\frac{1}{4}$ sec.1, T.28 N., R.25 E., 2.5 miles above mouth and 3.5 miles southeast of Bridgeport.	158	2-26-57	+3,600
East Fork Foster Creek tributary	East Fork Foster Creek	SE $\frac{1}{4}$ sec.1, T.28 N., R.25 E., at crest-stage gage "near Bridgeport."	4.75	5 or 6- -57 1956 1-12-59 3-21-60	982 42 144 22
West Fork Foster Creek	Foster Creek	NW $\frac{1}{4}$ sec.32, T.28 N., R.25 E., at Dyer Hill Road, 8 miles southeast of Bridgeport.	28.0	2-26-57	+756
Columbia River basin					
Columbia River	Pacific Ocean	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.29 N., R.25 E., at gaging station "at Bridgeport."	a75,700	2-26-48 2-27-48 2-28-48 4-29-48 4-30-48 5- 4-48 5- 6-48 5-25-48 5-26-48 5-27-48 6-29-48 6-30-48 7- 7-48 7- 7-48 7- 8-48 7- 8-48	38,810 42,700 40,100 130,000 153,000 145,000 165,500 362,200 407,000 446,000 372,300 402,100 282,700 291,000 283,700 287,000
Okanogan River basin					
Dry Creek tributary	Dry Creek	NE $\frac{1}{4}$ sec.6, T.39 N., R.28 E., crest-stage gage "near Molson."	1.66	1958 4- 1-59 3-21-60	29 26 43
Tonasket Creek	Okanogan River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.40 N., R.27 E., 1 $\frac{1}{2}$ miles above mouth, 1 mile northeast of Oroville.	60.0	4-12-50	+484
Do.....	.....do.....	NW $\frac{1}{4}$ sec.27, T.40 N., R.27 E., 200 ft above mouth at Oroville.	60.2	5-21-46	2.25
Okanogan River	Columbia River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.40 N., R.27 E., at gaging station "at Oroville," (operated Oct. 1942 to 1960).	a3,210	9-10-14 5-25-15 6- 1-15 8- 7-15 10-24-15 6- 1-16 6-11-16 8- 5-16 10-24-16 2- 7-17 3- 6-17 5-13-19 9- 4-20 10- 5-20 9-30-26 4-27-39	550 1,470 1,490 872 508 1,120 1,250 1,110 411 242 248 630 307 219 43.6 627
Sinlahekin Creek	Palmer Lake	NE $\frac{1}{4}$ sec.20, T.37 N., R.25 E., at gaging station "above Blue Lake near Loomis," (operated Apr. 1924 to Sept. 1930, fragmentary).	41.7	11- 3-30	1.35
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.37 N., R.25 E., at gaging station "at Blue Lake near Loomis," (operated June to Oct. 1920).	42.9	6- 4-20 5-19-29	3.61 9.89
Do.....	.....do.....	NE $\frac{1}{4}$ sec.21, T.37 N., R.25 E., 1,000 ft above flowage line of Blue Lake Reservoir.	-	6- 8-28	14.0
Barnes and Wilder ditches	Sinlahekin Creek	Sec.22, T.37 N., R.25 E., at head at Blue Lake near Loomis.	-	6- 4-20 6- 8-20 6- 9-20	3.95 3.55 3.56
Sinlahekin Creek	Palmer Lake	NE $\frac{1}{4}$ sec.3, T.37 N., R.25 E., at gaging station "at Twin Bridges near Loomis," (operated 1921 to 1923, record fragmentary).	75.5	6- 4-20 6- 8-20 6- 9-20 10- 6-20 10-12-22 10-12-22	3.76 6.71 6.05 2.13 6.2 5.8

†Peak flow.  
a Approximately.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Okanogan River basin--Continued					
Sinlahekin Creek	Palmer Lake	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.38 N., R.25 E., at gaging station "near Loomis," (operated June 1903 to Mar. 1905).	86.6	5-26-58 7- 5-58 7-27-58 8-27-58 9-27-58 10-23-58	173 34.4 22.4 15.8 15.2 15.9
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.38 N., R.25 E., 2 miles south of Loomis.	88.3	2-24-58 3-30-58 5- 3-58	13.2 14.5 56.8
Do.....	.....do.....	SW $\frac{1}{4}$ sec.12, T.38 N., R.25 E., 1.6 miles south of Loomis.	112	5-28-48	2,020
Do.....	.....do.....	SW $\frac{1}{4}$ sec.1, T.38 N., R.25 E., at syphon crossing near Loomis.	115	5-17-21	349
Middle Fork Toats Coulee Creek	South Fork Toats Coulee Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.39, T.23 E., at Middle Fork bridge 12 $\frac{1}{2}$ -miles northwest of Loomis.	17.1	5-25-58 7- 5-58 7-27-58 8-26-58 9-26-58 10-22-58 5-11-59 6-18-59	138 15.6 5.20 1.15 1.72 3.81 41.2 103
North Fork Toats Coulee Creek	Toats Coulee Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.39 N., R.24 E., at North Fork bridge, 6 $\frac{1}{2}$ miles northwest of Loomis.	48.6	3-28-58 5- 2-58 5-25-58 7- 5-58 7-27-58 8-26-58 9-26-58 10-22-58 5-11-59 6-18-59	5.79 30.6 201 22.3 6.97 4.34 5.14 3.81 41.2 103
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.39 N., R.25 E., 300 ft above confluence with South Fork and 5 miles northwest of Loomis.	52.3	3-28-58	4.63
Toats Coulee Creek	Sinlahekin Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.39 N., R.25 E., just above Deer Creek at gaging station "near Loomis," (operated Apr. 1957 to 1960).	130	4-22-57	17.5
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.39 N., R.25 E., 20 ft below concrete bridge and just below Deer Creek.	132	9-14-51	20.7
Do.....	.....do.....	SW $\frac{1}{4}$ sec.34, T.39 N., R.25 E., just below Deer Creek at gaging station "near Loomis," (operated May 1920 to Sept. 1926, records fragmentary).	134	10- 1-26 10- 3-47	6.37 7.70
Do.....	.....do.....	SW $\frac{1}{4}$ sec.34, T.39 N., R.25 E., 50 ft above Whitestone Irrigation District Diversion dam 2 $\frac{1}{2}$ miles northwest of Loomis.	-	9-14-51	22.0
Do.....	.....do.....	SE $\frac{1}{4}$ sec.34, T.39 N., R.25 E., 5,000 ft below gaging station and 1 $\frac{1}{2}$ miles northwest of Loomis.	134	5- -48	6,010
Whitestone Irrigation District diversion	Diverts from Toats Coulee Creek (right side)	SW $\frac{1}{4}$ sec.34, T.39 N., R.25 E., 100 ft below inlet.	-	7-31-20 5- 6-25 5- 8-25 5-23-25 7- 8-25 10- 3-47 9-14-51	3.45 55.4 42.8 22.8 5.35 5.53 18.1
Whitestone irrigation ditch	Diverts from Spectacle Lake	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.38 N., R.26 E., 100 ft below tunnel at Enterprise.	-	10- 3-47	12.9
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.38 N., R.26 E., 500 ft below tunnel at Enterprise.	-	10- 3-47	13.6
Whitestone Irrigation District diversion	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.28 N., R.26 E., 50 ft above road crossing and 5 miles east of Loomis.	-	10- 3-47	13.5
Do.....	.....do.....	SW $\frac{1}{4}$ sec.1, T.38 N., R.26 E., at middle of big loop, 5 $\frac{1}{4}$ miles east of Loomis.	-	10- 3-47	13.0

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Okanogan River basin--Continued					
Whitestone Irrigation District diversion	Diverts from Spectacle Lake	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.38 N., R.26 E., 50 ft below road crossing and 5 $\frac{1}{2}$ miles east of Loomis.	-	10- 3-47	13.9
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.38 N., R.26 E., at end of concrete lining, 5 $\frac{1}{2}$ miles east of Loomis.	-	10- 3-47	12.8
Sinlahekin Creek	Palmer Lake	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.39 N., R.25 E., at gaging station "above Chopaka Creek near Loomis," (operated Apr. 1957 to 1960).	256	6-29-29 4-25-30	5.42 8.10
Chopaka Creek	Sinlahekin Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.39 N., R.25 E., $\frac{1}{4}$ mile below outlet of Chopaka Lake 6 miles northwest of Loomis.	2.13	5- 6-21	1.47
Sinlahekin Creek	Palmer Lake	NE $\frac{1}{4}$ sec.24, T.39 N., R.25 E., about 1 mile above Palmer Lake.	276	8-11-31	.81
Do.....	.....do.....	SW $\frac{1}{4}$ sec.13, T.39 N., R.25 E., 1,000 ft above Palmer Lake.	-	9-19-32	1.97
Palmer Creek	Similkameen River	NE $\frac{1}{4}$ sec.35, T.40 N., R.25 E., at bridge $\frac{1}{2}$ miles above mouth near Nighthawk. Note: Flow on days indicated by asterisk (*) was from Similkameen River to Palmer Lake; on days not so indicated the flow was from Palmer Lake to Similkameen River.	296	8-24-29 4-24-30 6- 9-31 7-16-31 8-11-31 6-14-32 6-24-32 9-19-32 6- 5-33 3-22-34 5-11-34 5-24-34 10- 8-34 2- 2-35 3-14-35 6- 1-35 6-19-35 10-18-35 6-11-36 2-16-37 5-31-37 6- 2-37 7- 3-37 11-23-37 1-19-38 2- 8-38 5-14-38 6-23-38 1-13-39 4-24-39 5-23-39 7- 8-39 8-16-39 12- 5-39 4-29-40 5-16-40 6- 6-40 8- 1-40 8-30-40 9-26-40 10-21-40 1-13-41 3-15-41 5- 6-41 5-22-41 8-13-41 9-22-41 12- 2-41 3-19-42 5- 1-42 7-20-42 9-22-42 12-11-42 4-12-43 6- 5-43 7-12-43 10- 1-43	13.7 *652 109 65.4 16.2 *588 347 5.05 *536 *176 242 0 Trace 352 52.9 86.3 558 13.3 509 18.5 216 *815 561 52.2 35.9 59.0 *219 141 41.6 *369 428 217 31.7 *61.3 *101 0 385 19.1 6.17 3.70 *22.8 30.6 28.3 520 352 60.2 67.9 76.5 57.0 311 228 32.8 44.0 *32.8 433 291 26.8
Similkameen River	Okanogan River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.40 N., R.26 E., at gaging station "near Nighthawk," (operated Sept. 1928 to 1960).	a3,550	10-25-15 1-27-16 5-30-16 6-10-16 8- 4-16	664 395 9,960 12,700 2,610

a Approximately.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Okanogan River basin--Continued					
Oroville-Tonasket Irrigation District canal	Diverts from Similkameen River (left side)	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.26 N., R.40 N., 400 ft below intake 2 miles northeast of Nighthawk.	-	5-30-16 6-10-16 6- 4-16 7-13-17 5-12-19	93.6 96.3 61.1 109 106
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.26 N., R.40 N., $\frac{1}{2}$ mile below intake, 1 $\frac{1}{2}$ miles northeast of Nighthawk.	-	8-31-25	154
Do.....	.....do.....	NE $\frac{1}{4}$ sec.13, T.40 N., R.26 E., opposite gage on Similkameen River near Oroville.	-	8-19-19 9- 5-20 4- 4-27	114 116 22.9
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.40 N., R.27 E., at gage "near Oroville," (operated irrigation seasons 1922 to 1929).	-	6-24-18 4-25-21 4-28-30 6-10-30 8- 2-35 9-27-35 10- 4-39 10- 1-40 5-12-41 7- 7-41 8-25-41 7-30-43 8- 5-44	111 42.5 131 139 158 154 161 147 147 177 183 190 179
Similkameen River	Okanogan River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.40 N., R.27 E., at county bridge at Oroville. (Measuring point for gage "near Oroville" that operated from May 1911 to Sept. 1929).	3,590	12-26-29 4-28-30 5- 2-30 6-10-30 8- 2-35 9-27-35 8-12-37 10- 4-39 10- 1-40 7-30-43 8- 5-44	311 6,090 5,000 6,970 1,800 381 682 120 121 1,980 660
Whitestone Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.38 N., R.27 E., 600 ft below Whitestone Lake and 3 miles east of Ellisforde.	-	8-11-59	3.97
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.38 N., R.27 E., at gaging station "near Tonasket," (operated Oct. 1958 to 1960).	52.3		
Havillah Creek	Antoine Creek	SE $\frac{1}{4}$ sec.29, T.39 N., R.29 E., 0.2 mile east of county road and 1 $\frac{1}{2}$ miles above Havillah.	1.33	7-18-59	†1,080
Siwash Creek tributary	Siwash Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.37 N., R.27 E., (crest-stage gage "near Tonasket.")	.66	2-27-57 1- 9-59 1960	29 52.0 9.0
Siwash Creek	Okanogan River	NE $\frac{1}{4}$ sec.16, T.37 N., R.27 E., at Tonasket.	48.1	11-13-11	0
Bonaparte Creek	.....do.....	SE $\frac{1}{4}$ sec.35, T.37 N., R.28 E., at gage "near Anglin," (operated Oct. 1920 to Apr. 1921).	110	9- 9-20 5-25-21 9-22-58	.12 22.4 11.4
Do.....	.....do.....	SW $\frac{1}{4}$ sec.16, T.37 N., R.27 E., at mouth at Tonasket.	148	5-27-12	.78
Aeneas Creek	.....do.....	NE $\frac{1}{4}$ sec.36, T.37 N., R.26 E., at road crossing 4 miles southwest of Tonasket.	14.2	11-15-54 10-26-55	3.3 26.9
Okanogan River	Columbia River	In lot 3, sec.8, T.36 N., R.27 E., at gaging station "near Tonasket," (operated Apr. 1929 to 1960).	a7,280		
Tunk Creek	Okanogan River	SE $\frac{1}{4}$ sec.3, T.35 N., R.27 E., 5 miles north-east of Riverside.	68.0	5-11-11	12.5
Johnson Creek	.....do.....	SE $\frac{1}{4}$ sec.26, T.35 N., R.26 E., at gaging station "near Riverside," (operated May 1903 to Dec. 1907, fragmentary).	73.3		
Omak Creek tributary	Omak Creek	NE $\frac{1}{4}$ sec.28, T.33 N., R.29 E., at crest-stage "near Disautel."	4.12	4-22-56 5-20-57 5-20-58 5-15-59	6.0 9.0 4.7 6.2
Okanogan River	Columbia River	NW $\frac{1}{4}$ sec.16, T.33 N., R.26 E., at gaging station "at Okanogan," (operated May 1911 to Sept. 1925).	a7,880	9-30-26	355

a Approximately.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Okanogan River basin--Continued					
Salmon Creek	Okanogan River	SE $\frac{1}{4}$ sec.25, T.36 N., R.24 E., at old ford 1.8 miles north of Conconully.	-	5-28-48	†3,020
Do.....	.....do.....	Near center sec.18, T.35 N., R.25 E., at gaging station "near Conconully," (operated July 1910 to Sept. 1922).	121	10- 2-23 10- 2-23 5-28-48	5.2 5.1 †782
Do.....	.....do.....	SE $\frac{1}{4}$ sec.31, T.34 N., R.26 E., at gaging station "near Okanogan" (formerly "near Malott"). Operated Apr. 1903 to Sept. 1912.	150		
Do.....	.....do.....	SW $\frac{1}{4}$ sec.5, T.33 N., R.26 E., at county bridge 2 $\frac{1}{2}$ miles above mouth, 1 $\frac{1}{2}$ miles northwest of Okanogan.	151	6- 2-48	478
Do.....	.....do.....	NE $\frac{1}{4}$ sec.17, T.33 N., R.26 E., at Okanogan.	153	5-30-48	†735
Okanogan River tributary	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.32 N., R.25 E., (crest-stage gage "at Malott").	2.66	1- 9-59 3- -60	50 13
Loup Loup Flume	Diverts from Loup Loup Creek (left side)	NW $\frac{1}{4}$ sec.12, T.33 N., R.24 E., 10 miles from Malott.	-	5- 7-11	11.4
Loup Loup Creek	Okanogan River	Sec.32, T.33 N., R.25 E., at weir 3 miles above mouth near Malott.	60.6	5- 7-11	3.41
Okanogan River	Columbia River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.32 N., R.25 E., at gaging station "near Malott," (operated Apr. 1958 to 1960).	a8,220		
Do.....	.....do.....	SE $\frac{1}{4}$ sec.34, T.31 N., R.25 E., at bridge at Monse.	a8,320	9-24-57 11-14-57 12-13-57 1-24-58	996 1,210 1,360 1,360
Do.....	.....do.....	NW $\frac{1}{4}$ sec.16, T.30 N., R.25 E., at crossing of State Highway 10, 1 mile above mouth.	a8,340	3-11-55 11- 4-55 3-16-56 4-25-56 5-23-56 7-24-56 8- 6-56 9-13-56 10-17-56 4-23-56 6-23-56 7-20-56 8-23-56	1,800 2,290 1,800 9,300 27,400 4,010 2,330 1,140 1,480 2,250 4,940 2,540 1,130
Methow River basin					
Methow River	Columbia River	NE $\frac{1}{4}$ sec.1, T.36 N., R.18 E., $\frac{1}{4}$ mile above Robinson Creek at Ballard forest camp.	-	5-28-48	†4,130
Lost River	Methow River	NW $\frac{1}{4}$ sec.5, T.36 N., R.19 E., at mouth, 8 miles above Mazama.	146	9-29-26	28.7
Kagle ditch	.....do.....	Sec.25, T.36 N., R.19 E., 50 ft below intake and $\frac{1}{2}$ mile northwest of Mazama.	-	8-29-42 7-13-44	2.37 5.96
Early Winters ditch	Diverts from Early Winters Creek	Sec.26, T.36 N., R.19 E., at head 2 miles west of Mazama.	-	8-29-42	22.9
Methow River	Columbia River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.36 N., R.19 E., below Early Winters Creek, 1 mile northwest of Mazama.	335	1- 8-44	7.43
Do.....	.....do.....	SE $\frac{1}{4}$ sec.25, T.36 N., R.19 E., 300 ft below highway bridge and $\frac{1}{4}$ mile south of Mazama.	342	8-21-42 9-25-42	76.8 15.4
Do.....	.....do.....	SE $\frac{1}{4}$ sec.31, T.36 N., R.20 E., 1 $\frac{1}{2}$ miles south-east of Mazama.	-	9-25-42	0
Do.....	.....do.....	S $\frac{1}{2}$ SE $\frac{1}{4}$ sec.32, T.36 N., R.20 E., 750 ft above diversion dam for Dixon-Pitt ditch, 3 miles above Fenders Mill bridge, 2 miles southeast of Mazama.	346	1- 9-44	11.1
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.35 N., R.20 E., 850 ft above Fenders Mill bridge, 5 miles southwest of Mazama.	403	1- 8-44	23.6
Do.....	.....do.....	SW $\frac{1}{4}$ sec.29, T.35 N., R.21 E., 3 $\frac{1}{2}$ miles above Winthrop.	-	9-30-26	112

† Peak flow.

a Approximately.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Methow River basin--Continued					
Wolf Creek	Methow Creek	Sec.6, T.34 N., R.21 E., 1½ miles above mouth	36.4	9-13-12	11.9
Methow River	Columbia River	E½ sec.2, T.35 N., R.21 E., just above Chewack River.	480	10- 2-13 8-13-15 8-13-19 10- 2-19	152 279 403 169
Doe Creek	Chewack River	NE¼ sec.30, T.37 N., R.22 E., (crest-stage gage "near Winthrop").	3.80	12-10-56 5-26-58 5-28-58 5- -59 12-15-59	60.8 22.9 +9.46 18 44
Falls Creek	.....do.....	SW¼ sec.12, T.36 N., R.21 E., 400 ft above mouth.	27.1	9-22-20 10-15-20	7.49 16.8
Eightmile ditch	Diverts from Eightmile Creek	SE¼ sec.23, T.36 N., R.21 E., at fish screen 7½ miles north of Winthrop.	-	8-20-42	5.91
Eightmile Creek	Chewack River	SE¼ sec.23, T.36 N., R.21 E., 300 ft above mouth 7½ miles north of Winthrop.	42.2	9-22-20 10-15-20	13.8 23.4
Chewack River (formerly Chewack Creek)	Methow River	SW¼ sec.24, T.36 N., R.21 E., just downstream from Eightmile Creek.	381	5-29-48	+19,100
Do.....	.....do.....	N½ sec.35, T.35 N., R.21 E., 800 ft above Boulder Creek.	384	9-29-26	45.4
Boulder Creek	Chewack River	NE¼ sec.35, T.36 N., R.21 E., near mouth.	81.0	6-17-20 6-30-20 9-24-20 10-15-20 7-23-21 9-29-26	35.3 26.2 6.7 6.57 11.8 7.18
Chewack River	Methow River	SE¼ sec.35, T.36 N., R.21 E., at gaging station "Chewack Creek below Boulder Creek near Winthrop," (operated Apr. 1920 to Sept. 1921).	465	10-13-21	72.5
Chewack Canal	Diverts from Chewack River	Sec.2, T.35 N., R.21 E., at fish screen, 6 miles north of Winthrop.	-	9-11-12 10- 2-13 8-12-15 8-13-19 8-20-42 9-25-42	5.23 10.7 11.5 43.0 57.1 24.2
Chewack River	Methow River	NW¼ sec.2, T.35 N., R.21 E., 300 ft above highway bridge, 4½ miles north of Winthrop.	466	8-20-42 9-25-42	58.9 22.6
Pearrygin Lake Outlet Creek	Chewack River	NW¼ sec.36, T.35 N., R.21 E., 40 ft below control gates at lake outlet.	11.2	8- 4-44	8.57
Fulton ditch	Diverts from Chewack River (right bank)	Sec.2, T.34 N., R.21 E., at fish screen ¼ mile northwest of Winthrop above spillway.	-	9-11-12 10- 2-13 8-13-15 8-20-42 9-26-42	16.7 14.9 15.8 19.3 23.6
Do. ....	.....do.....	Sec.2, T.34 N., R.21 E., at fish screen ¼ mile northwest of Winthrop below spillway.	-	9-11-12 10-12-13	3.01 5.53
Chewack River	Methow River	SW¼NW¼ sec.2, T.34 N., R.21 E., at gaging station "Chewack Creek at Winthrop," (operated May to Oct. 1912, Apr. to Sept. 1913).	525	11-20-11 9-11-12 10- 2-13 8-13-15 8-13-19 10- 2-19 5-29-48	99.0 170 76.5 165 127 72.5 +18,100
Methow River	Columbia River	Sec.11, T.34 N., R.21 E., at gaging station "near Winthrop," (operated Jan. to Oct. 1912).	1,007	11-20-11 5-31-12 9-10-12 5-20-48	276 2,840 388 +35,000
Bear Creek	Methow River	NE¼ sec.13, T.34 N., R.21 E., at former crest-stage gage "near Winthrop".	18.4	5-13-54 6-12-55 5-21-56	6 16.0 21.8
Methow Valley Irrigation District canal	Diverts from Methow River (left side)	Sec.30, T.34 N., R.22 E., at fish screen 3½ miles northwest of Twisp.	-	8-21-42 9-28-42 8- 4-44	83.0 73.9 110

† Peak flow.

\* Discharge measurement.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Methow River basin--Continued					
Methow Valley Irrigation District canal	Diverts from Methow River (left side)	Sec.31, T.34 N., R.22 E., 2.8 miles above Twisp.	-	5-29-37 7- 7-37	49.1 42.4
Do.....	.....do.....	NW $\frac{1}{4}$ sec.8, T.33 N., R.22 E., 1 mile above Methow River at Twisp gage.	-	5-28-37	69.2
Do.....	.....do.....	SW $\frac{1}{4}$ sec.8, T.33 N., R.22 E., $\frac{1}{2}$ mile above gage on Methow River at Twisp.	-	6-14-22 9-28-22 9-28-22 9-28-22 9-28-22 6-26-23 6-27-23 9-26-23 6- 4-24 8-28-24 9-26-24 7- 3-25 8-26-25 5- 6-26 6-25-26 9-28-26 5-31-27 9-28-27 5- 3-28 6- 6-28 11-21-28 7- 1-29 9- 3-29 10-27-37 5-13-38 6- 9-38	8.8 12 7.0 2.5 22 21 34.5 39.1 42.7 51.9 51.7 50.2 61.3 57.4 56.4 66.2 24.8 53.4 33.7 33.8 75.0 15.7 60.8 69.0 32.8 71.4 76.9
Do.....	.....do.....	NW $\frac{1}{4}$ sec.17, T.33 N., R.22 E., just above point opposite gage on Methow River at Twisp.	-	10-10-34 10-16-35 6-14-36 10-27-36 6- 9-38 8-15-39 5- 1-40 6- 8-40 6-24-40 8- 2-40 9- 3-40 9-24-40 10-17-40 4- 7-41 5- 3-41 5-20-41 6- 4-41 8-15-41 9-24-41 10-21-41 5- 6-42 6- 8-42 7-25-42 9-28-42 9-28-42 5-21-43 7-15-43	44.1 25.4 55.3 49.0 76.9 77.1 23.1 71.8 75.4 67.8 70.1 52.9 21.6 0 54.2 58.8 64.4 72.9 36.1 5.93 18.2 58.2 78.9 66.8 73.9 23.6 60.1
Do.....	.....do.....	Sec.17, T.33 N., R.22 E., $\frac{1}{2}$ mile below gaging station on Methow River.	-	7- 7-37	65.9
Do.....	.....do.....	Sec.17, T.33 N., R.22 E., $\frac{1}{2}$ mile below gaging station on Methow River.	-	6-15-35 6-14-36 10-27-36	69.9 55.3 49.0
Do.....	Diverts from Twisp River (right side)	SE $\frac{1}{4}$ sec.11, T.33 N., R.21 E., at headgate 3 miles west of Twisp.	-	9-10-36 10-27-37 8-26-42	29.1 12.9 36.8
Do.....	.....do.....	SE $\frac{1}{4}$ sec.11, T.33 N., R.21 E., below sluiceway at headworks.	-	5-13-38	13.6
Do.....	.....do.....	SE $\frac{1}{4}$ sec.11, T.33 N., R.21 E., above waterworks near Twisp.	-	6- 9-38	49.6
Do.....	.....do.....	S $\frac{1}{2}$ sec.12, T.33 N., R.21 E., at road crossing 2 miles above Twisp.	-	6-15-35 6-14-36 8-15-39	47.8 39.5 37.6

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Methow River basin--Continued					
Methow Valley Irrigation District canal	Diverts from Twisp River (right side)	SE $\frac{1}{4}$ sec.12, T.33 N., R.21 E., 1 mile west of Twisp and above all diversions.	-	8-14-15 7-24-21 10-14-21 6-15-22 6-26-23 9-25-23 6- 4-24 8-29-24 9-26-24 7- 3-25 8-26-25 5- 6-26 6-25-26 9-29-26 10-16-35	42.2 53.3 18.9 50 37.3 18.0 33.9 27.7 22.1 37.2 36.7 40.3 39.1 11.8 22.9
Do.....	.....do.....	Sec.18, T.33 N., R.22 E., at head of wooden flume $\frac{1}{2}$ mile west of Twisp.	-	6-13-20 6-15-20 6-29-20 8-24-20 8-28-20 8-28-20 9-21-20 9-24-20 7-24-21 10-14-21 6-15-22 9-28-22 6-26-23 9-25-23	46.4 48.3 50.0 41.2 31.5 13.5 33.2 34.1 53.3 18.9 50.0 29.0 37.3 18.0
Do.....	.....do.....	Sec.18, T.33 N., R.22 E., at road crossing about $\frac{1}{4}$ mile west of Twisp.	-	5-31-27 9-28-27 5- 3-28 6- 6-28 7- 2-29 9- 3-29 5- 1-40 6- 7-40 6-24-40 8- 3-40 9- 3-40 9-24-40 10-16-40 4- 7-41 5- 3-41 5-30-41 8-15-41 9-24-41 10-21-41 5- 6-42 6-8-42 7-25-42 9-28-42 5-21-43 7-15-43	32.4 11.7 22.2 41.1 42.8 12.9 0 53.8 56.8 50.2 15.9 13.4 17.6 0 46.4 46.8 35.2 8.00 11.4 0 35.5 47.6 17.4 41.0 22.7
Risley Ditch	Diverts from Twisp River (right side $\frac{1}{2}$ mile above mouth)	Sec.18, T.33 N., R.22 E., just below intake.	-	8-14-15 5-29-37 8-15-39	8.95 10.9 14.6
Do.....	.....do.....	NE $\frac{1}{4}$ sec.18, T.33 N., R.22 E., above all diversions at bridge on State Highway 18, at Twisp.	-	6-15-20 6-18-20 6-29-20 8-24-20 8-29-20 9-21-20 9-25-20 10-14-21 6-14-22 9-22-22 6-26-23 9-26-23 6- 4-24 8-29-24 9-26-24 7- 3-25 8-26-25 5- 6-26 6-25-26 9-29-26 5-31-27 5- 3-28 6- 6-28	6.24 5.05 6.35 8.17 9.70 12.0 9.22 2.0 11.1 9.7 2.62 3.98 9.19 7.19 2.88 16.3 10.1 9.59 11.9 2.48 6.62 7.18 11.1

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Methow River basin--Continued					
Risley Ditch (cont.)	Diverts from Twisp River	NE $\frac{1}{4}$ sec.18, T.33 N., R.22 E., above all diversions at bridge on State Highway 18, at Twisp.		7- 1-29 9- 3-29 10-16-35 7- 7-37 10-27-37 6- 9-38 11-20-38 4-30-40 6- 7-40 6-24-40 8- 3-40 9- 3-40 9-24-40 10-16-40 4- 7-41 5- 4-41 5-20-41 6- 4-41 8-15-41 9-24-41 10-21-41 5- 6-42 6- 8-42 7-25-42 8-25-42 9-28-42 5-21-43 7-15-43	7.58 7.34 2.85 8.44 2.36 11.5 2.08 7.55 21.2 18.9 16.5 10.0 11.1 27.0 5.18 11.8 7.45 11.5 14.6 31.4 8.86 0 0 13.7 13.5 7.37 11.9 11.9
Twisp River	Methow River	SW $\frac{1}{4}$ sec.11, T.34 N., R.18 E., $\frac{1}{2}$ mile above North Creek, 22 miles northwest of Twisp.	-	10- 2-18	5.6
Do.....	.....do.....	Sec.8, T.33 N., R.21 E., above all diversions, 6 miles above mouth.	-	8-11-19	187
Do.....	.....do.....	SW $\frac{1}{4}$ sec.7, T.33 N., R.22 E., 1 mile above mouth and below all diversions.	-	8-15-15	11.5
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.33 N., R.22 E., at county bridge at Twisp, about $\frac{1}{4}$ mile above mouth.	-	11-21-11 6- 1-12 9-13-12 10- 3-13 8-11-19 5-29-48	75.6 76.2 50.0 50.1 113 †9,440
Methow River	Columbia River	NW $\frac{1}{4}$ sec.17, T.33 N., R.22 E., at gaging station, "at Twisp," (operated June 1919 to 1960).	1,301	10- 1-18	249
Volstead Creek	Beaver Creek	SE $\frac{1}{4}$ sec.13, T.34 N., R.22 E., 300 ft above mouth.	4.91	5-19-56	19.4
South Fork Beaver Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.34 N., R.22 E., 1,000 ft above mouth and 7 miles northeast of Twisp.	2.95	5-19-56 8- 4-56 9-12-56 11-27-56 4-24-57 5-16-57 6-21-57 7-22-57 8-22-57 9-30-57 11-13-57 5-28-58 6-26-58 7-29-58 8-23-58 9-28-58 10-24-58 9-29-59	109 8.73 5.56 5.61 9.74 55.2 25.5 9.56 6.59 4.40 5.19 60.9 15.8 8.28 4.12 3.90 3.45 5.90
Beaver Creek	Methow River	NE $\frac{1}{4}$ sec.24, T.34 N., R.22 E., at gaging station, "below South Fork, near Twisp," (operated April to Dec. 1960).	62.0	4-24-57 5-16-57 6-21-57 7-22-57 8-22-57 9-30-57 11-13-57 12-14-57 5-28-58 6-26-58 7-29-58 8-23-58 9-28-58 10-24-58 9-29-59	17.4 186 50.0 22.9 13.1 8.99 10.0 10.3 207 44.5 21.2 9.93 8.81 9.32 11.6

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Methow River basin--Continued					
Beaver Creek	Methow River	NE $\frac{1}{4}$ sec.26, T.34 N., R.22 E., at private bridge $5\frac{1}{2}$ miles northeast of Twisp.	64.1	8-16-15 5- 4-41 5-21-41 6- 5-41 8-15-41 9-24-41 10-20-41	6.18 124 55.5 48.2 14.8 13.4 12.9
Do.....	.....do.....	SE $\frac{1}{4}$ sec.35, T.34 N., R.22 E., at gaging station, "near Twisp," (operated May 1956 to 1960).	68.1		
Frazer Creek	Beaver Creek	NW $\frac{1}{4}$ sec.13, T.33 N., R.22 E., at road bridge $\frac{1}{4}$ mile above mouth.	21.1	5-14-56 7-17-56 8- 4-56 9-12-56 4-24-57 5-16-57 6-21-57 7-22-57 8-22-57 9-30-57 11-13-57 5-28-58 6-26-58 7-30-58 8-25-58 9-28-58	7.04 3.32 5.22 2.28 5.04 9.54 5.01 4.25 1.74 3.81 3.23 9.30 4.16 5.48 1.76 3.52
Beaver Creek	Methow River	SE $\frac{1}{4}$ sec.14, T.33 N., R.22 E., at private farm bridge below Frazer Creek.	106	7-17-56 9-12-56 4-24-57 5-16-57 7-22-57 9-30-57 11-13-57 5-27-58 6-27-58 7-30-58 8-25-58 9-28-58	13.9 11.0 27.6 181 13.6 4.91 16.7 159 41.0 13.5 2.55 13.9
Do.....	.....do.....	NE $\frac{1}{4}$ sec.23, T.33 N., R.22 E., at Loup Loup Road, $3\frac{1}{2}$ miles east of Twisp.	108	8- 4-56	1.31
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.33 N., R.22 E., near mouth at State Highway 16, 4 miles southeast of Twisp.	11.1	2-15-56 3-15-56 4-26-56 5-19-56 7-17-56 8- 4-56 9-12-56 4-25-57 5-16-57 6-21-57 6-27-58 9-28-58	15.5 11.2 102 320 4.86 .38 7.03 21.8 180 42.5 30.7 14.7
Rainy Creek	South Fork Gold Creek	Center sec.35, T.31 N., R.21 E., $\frac{1}{2}$ mile above mouth and 8 miles west of Methow.	7.87	5-29-48	†20,000
Methow River tributary	Methow River	NW $\frac{1}{4}$ sec.30, T.30 N., R.23 E., at crest-stage gage, "near Methow."	.77	10-26-55 3-18-57	†18.5 †15.9
Methow River	Columbia River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.30 N., R.23 E., at gaging station "near Pateros," (operated Apr. 1959 to 1960).	1,772		
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.30 N., R.23 E., at State Highway 16, 3 miles northwest of Pateros.	1,777	5-29-48 3-16-56 4-26-56 5-23-56 7-24-56 8- 5-56 9-13-56 10-17-56 4-23-57 6-22-57 7-20-57 8-23-57 9-24-57 11-12-57 2-25-58 5- 4-58 6-25-58	†46,700 400 7,090 15,700 2,200 1,100 634 675 1,790 2,450 949 513 401 431 720 3,170 2,790

† Peak flow.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Methow River basin--Continued					
Methow River (Cont.)	Columbia River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.30 N., R.23 E., at State Highway 16, 3 miles northwest of Pateros.		7-30-58 9-29-58 10-26-58	844 425 531
Do.....	.....do.....	NE $\frac{1}{4}$ sec.2, T.29 N., R.23 E., at gaging station "at Pateros," (operated June 1903 to Sept. 1920).	1,792	10-17-20	1,030
Do.....	.....do.....	SW $\frac{1}{4}$ sec.36, T.30 N., R.23 E., 500 ft below bridge on U. S. Highway 97 at Pateros.	1,794	3-11-55 2-14-56 12-13-57 1-24-58 8-22-58	377 370 410 379 362
Chelan River basin					
Park Creek	Stehekin River	SE $\frac{1}{4}$ sec.7, T.34 N., R.16 E., 2 miles above mouth.	8.33	7-27-09	62
Stehekin River	Lake Chelan	SW $\frac{1}{4}$ sec.21, T.34 N., R.16 E., just above Bridge Creek.	60.1	9-20-12 10-11-15	170 93
Bridge Creek	Stehekin River	N $\frac{1}{2}$ sec.21, T.34 N., R.16 E., $\frac{1}{4}$ mile above mouth.	91.2	7-27-09 9-20-12 10-11-15	430 92.4 40.6
Agnes Creek	.....do.....	NW $\frac{1}{4}$ sec.11, T.33 N., R.16 E., at trail bridge, $\frac{1}{4}$ mile above mouth.	82.3	9-21-12 10-13-15	138 98.2
Rainbow Creek	.....do.....	S $\frac{1}{2}$ sec.23, T.33 N., R.17 E., $\frac{1}{4}$ mile below Rainbow Falls.	15.0	9-22-12	6.49
Stehekin River	Lake Chelan	SE $\frac{1}{4}$ sec.26, T.33 N., R.17 E., at gaging station "at Stehekin," (operated Oct. 1910 to Oct. 1915, Oct. 1926 to 1960).	344		
Railroad Creek	.....do.....	SW $\frac{1}{4}$ sec.2, T.31 N., R.16 E., below Holden Creek and about $1\frac{1}{2}$ miles above Holden.	19.8	9-12-30	29.8
Do.....	.....do.....	Sec.9, T.31 N., R.18 E., at gaging station "at Lucerne," (operated Oct. 1910 to Sept. 1913, Oct. 1926 to Sept. 1956).	64.8	7-29-09	750
Domke Creek	.....do.....	SW $\frac{1}{4}$ sec.23, T.31 N., R.18 E., $\frac{1}{4}$ mile below Domke Lake near Lucerne.	8.86	9-18-12 8-4-19 8-8-30 9-13-30	3.53 22.2 5.49 2.81
Twentyfive Mile Creek	.....do.....	NW $\frac{1}{4}$ sec.30, T.29 N., R.21 E., $\frac{1}{4}$ mile above mouth and 14 miles northeast of Chelan.	41.2	about 5-29-48	†1,180
Prince Creek	.....do.....	Sec.28, T.31 N., R.19 E., about 1 mile above mouth and 6 miles southeast of Lucerne.	35.9	about 5-29-48	†24,700
Safety Harbor Creek	.....do.....	N $\frac{1}{2}$ sec.17, T.30 N., R.20 E., 60 ft above diversion dam, 17 $\frac{1}{2}$ miles northwest of Manson.	7.85		
Falls Creek	.....do.....	SW $\frac{1}{4}$ sec.22, T.30 N., R.20 E., 150 ft above diversion dam and 15 miles northwest of Manson.	4.77	11-9-60	.94
Little Grade Creek	Grade Creek	Near SE $\frac{1}{4}$ corner sec.31, T.30 N., R.21 E., 20 ft above diversion intake and 12 miles northwest of Manson.	2.40	11-4-60	.31
Grade Creek	Lake Chelan	NW $\frac{1}{4}$ sec.31, T.30 N., R.21 E., at gaging station "near Manson," (operated Oct. to Dec. 1960).	8.45		
Poison Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.29 N., R.21 E., 40 ft above diversion intake and 11 miles northwest of Manson.	5.14	11-4-60	.81
Gold Creek	.....do.....	Center sec.10, T.29 N., R.21 E., at gaging station "near Manson," (operated Oct. to Dec. 1960).	6.30		
Mitchell Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.29 N., R.21 E., 10 ft above diversion intake and 7 $\frac{1}{2}$ miles north of Manson.	9.55	11-5-60	.53
Antilon Lake Feeder System	.....do.....	SE $\frac{1}{4}$ sec.26, T.29 N., R.21 E., at gaging station "near Manson," (operated Mar. 1958 to 1960, seasonal records only).	-		

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chelan River basin--Continued					
Chelan River	Columbia River	SE $\frac{1}{4}$ sec.13, T.27 N., R.22 E., at gaging station "at Chelan," (operated Nov. 1903 to 1960).	924		
Entiat River basin					
Fox Creek	Entiat River	SW $\frac{1}{4}$ sec.19, T.28 N., R.19 E., at gaging station "near Ardenvoir," (operated Oct. to Dec. 1960).	1.74		
Entiat River	Columbia River	NW $\frac{1}{4}$ sec.29, T.28 N., R.19 E., at old camp at Burns Creek, 2 miles northwest of Burns.	157	5-29-48	†7,260
Burns Creek	Entiat River	S $\frac{1}{2}$ SE $\frac{1}{4}$ sec.20, T.28 N., R.19 E., at gaging station "near Ardenvoir," (operated Oct. 1959 to 1960).	2.07		
McCree Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.28 N., R.19 E., at gaging station "near Ardenvoir," (operated Oct. 31 to Dec. 1960).	2.11		
Entiat River	Columbia River	Sec.14, T.27 N., R.19 E., 3 miles above Stormy Creek.	187	9-26-12	86.5
Do.....	.....do.....	NE $\frac{1}{4}$ sec.26, T.27 N., R.19 E., at gaging station "near Ardenvoir," (operated Sept. 1957 to 1960).	203	8-25-57	130
Mad River	Entiat River	SE $\frac{1}{4}$ sec.19, T.26 N., R.20 E., about 1 mile above mouth and west of Ardenvoir.	-	5 or 6-48	†1,550
Do.....	.....do.....	SE $\frac{1}{4}$ sec.19, T.26 N., R.20 E., at mouth at Ardenvoir.	92.4	9-26-12	21.0
Entiat River	Columbia River	SW $\frac{1}{4}$ sec.28, T.26 N., R.20 N., at private bridge $1\frac{1}{2}$ miles below Ardenvoir.	351	6-15-50 6-28-50 6-29-50	4,310 2,450 2,820
Do.....	.....do.....	Center sec.3, T.25 N., R.20 E., $\frac{1}{2}$ mile above Roaring Creek and 3 miles southeast of Ardenvoir.	365	5-23-49	2,180
Do.....	.....do.....	Sec.18, T.25 N., R.21 E., 300 ft below old powerhouse and 1 mile west of Entiat.	-	9-24-12 9- 9-26 9-23-26 8-19-42 9-30-42 5-29-48 5-31-48	123 87.2 92.0 82.3 50.1 †10,800 4,620
Do.....	.....do.....	SE $\frac{1}{4}$ sec.18, T.25 N., R.21 E., at gaging station "at Entiat," (operated Oct. 1910 to Sept. 1925, June 1951 to Sept. 1958).	419	10-17-58	174
Pine Canyon Creek basin					
Pine Canyon Creek	Columbia River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.25 N., R.22 E., at gaging station "near Waterville," (operated May 1945 to Oct. 1947).	11.1	12- 4-47 3-30-48 3-30-48 3-30-48 6-10-48 9-16-58	.12 12.4 23.8 54.5 †5,350 .08
Do.....	.....do.....	Near center sec.24, T.25 N., R.21 E., at U. S. Highway 2, 5 miles above mouth and 3 miles west of Waterville.	16.8	5- 5-57	†2,980
South Fork Pine Canyon Creek	Pine Canyon Creek	NW $\frac{1}{4}$ sec.25, T.25 N., R.21 E., $\frac{1}{2}$ mile above mouth and 4 miles southwest of Waterville.	5.95	6-10-48	†25,000
Columbia River basin					
Columbia River tributary	Columbia River	SW $\frac{1}{4}$ sec.24, T.24 N., R.20 E., at crest-gage, "near Entiat."	.77		
Columbia River	Pacific Ocean	SW $\frac{1}{4}$ sec.35, T.24 N., R.20 E., at gaging station "at Rocky Reach Dam," (operated Oct. to Dec. 1960).	87,800		
Wenatchee River basin					
White River	Wenatchee Lake	SE $\frac{1}{4}$ sec.22, T.29 N., R.15 E., above Indian Creek.	41.4	9-13-11	132

† Peak flow.  
a Approximately.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Wenatchee River basin--Continued					
Panther Creek (formerly Cougar Creek)	White River	E $\frac{1}{2}$ sec.11, T.28 N., R.15 E., above mouth.	19.1	9-13-11	37.8
Twin Lakes Outlet Creek	Napeequa River (formerly North Fork White River)	NE $\frac{1}{4}$ sec.17, T.28 N., R.16 E., above mouth.	5.81	9-14-11	2.33
Napeequa River	White River	SE $\frac{1}{4}$ sec.18, T.28 N., R.16 E., just above mouth.	40.0	9-12-11 9-14-11	125 200
White River	Wenatchee Lake	NE $\frac{1}{4}$ sec.5, T.27 N., R.16 E., at gaging station "near Plain," (operated May 1911 to Apr. 1912, May to Sept. 1912, July to Aug. 1913, Oct. 1913 to Mar. 1914, Apr. to Sept. 1914, Aug. 1954 to 1960).	150	10- 2-12 9-11-13	150 391
Little Wenatchee River	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.28 N., R.15 E., above Lake Creek.	33.9	10- 3-11	34.1
Lake Creek	Little Wenatchee River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.28 N., R.15 E., at mouth.	16.5	10- 3-11	12.4
Little Wenatchee River	Wenatchee Lake	NW $\frac{1}{4}$ sec.5, T.27 N., R.15 E., at Lake Creek forest camp about 11 miles above mouth and northwest of Telma.	55.0	5-28-48	†5,270
Do.....	.....do.....	NW $\frac{1}{4}$ sec.10, T.27 N., R.15 E., above Rainy Creek.	-	10- 4-11	54.3
Rainy Creek	Little Wenatchee River	SE $\frac{1}{4}$ sec.10, T.27 N., R.15 E., near mouth.	64.1	10- 4-11	16.2
Little Wenatchee River	Wenatchee Lake	Sec.15, T.27 N., R.16 E., about $\frac{1}{2}$ mile above Wenatchee Lake.	100	8- 2-11 9-16-11 10- 3-11 10- 2-12 9-11-13	130 275 87.8 95.2 226
Wenatchee River	Columbia River	SE $\frac{1}{4}$ sec.28, T.27 N., R.17 E., at gaging station cable "below Wenatchee Lake," (operated Jan. 1932 to Sept. 1958).	273	5-17-32 5-30-32 6-13-32 10-16-58	3,390 2,400 5,450 1,060
Nason Creek	Wenatchee River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.26 N., R.15 E., above White Pine Creek.	34.8	9-11-11	18.2
White Pine Creek (formerly Wild Horse Creek)	Nason Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.26 N., R.15 E., at mouth.	24.5	9-11-11	22.2
Nason Creek	Wenatchee River	NW $\frac{1}{4}$ sec.11, T.26 N., R.16 E., at gaging station "near Nason," (operated June to Sept. 1911).	84.8	2-19-12 6-11-12 9-13-13 9-14-58	164 1,080 98 40.0
Do.....	.....do.....	Center sec.9, T.26 N., R.17 E., 3 miles west of Plain.	104	5-28-48 11-22-59	†5,200 †6,850
Do.....	.....do.....	NE $\frac{1}{4}$ sec.33, T.27 N., R.17 E., at Mason Creek forest camp $3\frac{1}{2}$ miles northwest of Plain.	108	5-18-32 5-30-32 6-26-32	1,090 835 1,290
Wenatchee River	Columbia River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.27 N., R.17 E., at crossing of State Highway 15C and below Nason Creek.	382	1-19-47	488
Phelps Creek	Chiwawa River	SE $\frac{1}{4}$ sec.15, T.30 N., R.16 E., 100 ft below Box Creek.	13.9	11- 5-26	13
Do.....	.....do.....	NW $\frac{1}{4}$ sec.28, T.30 N., R.16 E., at gaging station "near Plain," (operated Nov. 1927 to Mar. 1931).	16.4	11- 5-26 5-29-48	20 1,330
Tailrace Royal Development Co's power-plant	Phelps Creek (diverts from right side)	NE $\frac{1}{4}$ sec.28, T.30 N., R.16 E., 200 ft below mill at plant.	-	11- 5-26 11-16-26 6-17-27 10- 8-27 11-25-27 12-29-27 1-30-28 2-14-28	2.36 1.91 1.78 5.06 4.75 5.31 4.00 3.79

† Peak flow.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Wenatchee River basin--Continued					
Tailrace Royal Development Co's power-plant (cont.)	Phelps Creek	NE $\frac{1}{4}$ sec.28, T.30 N., R.16 E., 200 ft below mill at plant.	-	3-27-28 4-17-28 5-15-28 6-16-28 7-20-28 8-22-28 10-14-28 2-21-29 9- 6-29 9- 7-29 10-22-29 11-21-29 12-19-29 1-20-30 1-25-30 2-25-30 3-18-30 4-11-30 5-27-30 6-24-30 7-16-30 8- 1-30 8-28-30 9-25-30 10-25-30 11-11-30 2-12-31 3-31-31	3.25 3.49 3.05 3.78 6.06 7.59 5.13 7.00 9.91 10.2 7.70 6.57 3.78 3.44 8.80 7.04 7.00 8.29 7.58 10.8 11.7 12.0 13.8 9.76 8.8 8.29 4.70 5.10
Big Meadow Creek	Chiwawa River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.27 N., R.17 E., 600 ft above mouth 7 miles northwest of Plain.	16.5	9- 3-54	7.42
Chiwawa River	Wenatchee River	SE $\frac{1}{4}$ sec.13, T.27 N., R.17 E., at gaging station "near Plain," (operated May 1911 to Oct. 1914, Aug. 1936 to Nov. 1949, Aug. 1954 to Sept. 1957).	172	10-17-57 9-11-58	90.6 122
Alder Creek	Chiwawa River	SE $\frac{1}{4}$ sec.12, T.27 N., R.17 E., at road crossing 6 mi north of Plain.	16.5	9- 2-54	3.50
Chiwawa ditch	Chiwawa River (diverts from left side)	NW $\frac{1}{4}$ sec.30, T.27 N., R.18 E., at fish screen, 4 miles north of Plain.	-	8-18-42 10- 1-42 7-22-57	28.5 0 17.3
Chiwawa River	Wenatchee River	NE $\frac{1}{4}$ sec.31, T.27 N., R.18 E., at highway crossing 2 $\frac{1}{2}$ miles northeast of Plain.	182	5-18-32 5-28-32 6-28-33	1,870 1,130 2,140
Beaver Creek	.....do.....	Sec.12, T.26 N., R.17 E., at Plain.	10.0	11-28-09 3-11-11	3.63 3.59
Wenatchee River	Columbia River	Lot '8, sec.12, T.26 N., R.17 E., at gaging station "at Plain," (operated Oct. 1910 to 1960).	591		
Skinney Creek	Chiwaukum Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.26 N., R.17 E., at crest-stage gage, "at Winton."	2.55	4-18-54 4- 8-55 4-22-56 4-14-57 2-25-58 4- 1-59 - -60	36.6 23.8 75 24.5 21.3 43 51
Chiwaukum Creek	Wenatchee River	NW $\frac{1}{4}$ sec.9, T.25 N., R.17 E., at gaging station "near Chiwaukum," (operated June to Oct. 1911).	47.8	2-18-12 10- 3-12 9-12-13 9- 8-26 9-24-26 9-14-58	29.2 25.7 45.5 13.9 18.8 17.7
Wenatchee River	Columbia River	NE $\frac{1}{4}$ sec.28, T.25 N., R.17 E., $\frac{1}{2}$ mile upstream from Fall Creek.	672	12- 4-57 2-26-58 5-12-58 5-21-58 5-21-58 5-22-58 5-24-58 6- 5-58 6-24-58	613 2,180 3,580 11,600 11,400 12,500 14,400 11,100 5,060
Do.....	.....do.....	NE $\frac{1}{4}$ sec.9, T.24 N., R.17 E., 1.6 miles below Tumwater powerplant diversion dam, 2 $\frac{1}{2}$ miles west of Leavenworth.	690	8-24-42 9-26-42	221 117

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Wenatchee River basin--Continued					
Icicle Creek	Wenatchee River	NW $\frac{1}{4}$ sec.6, T.24 N., R.16 E., above Jack Creek.	83.6	9-24-11	103
Jack Creek	Icicle Creek	NW $\frac{1}{4}$ sec.6, T.24 N., R.16 E., above mouth.	29.1	9-24-11	25.6
Trout Creek	.....do.....	N $\frac{1}{2}$ sec.6, T.24 N., R.16 E., near mouth.	8.43	9-24-11	7.87
Icicle Creek	Wenatchee River	NE $\frac{1}{4}$ sec.24, T.24 N., R.16 E., just above Bridge Creek and 1 $\frac{1}{2}$ miles above Eightmile Creek.	149	9-24-11	148
Eightmile Creek	Icicle Creek	SE $\frac{1}{4}$ sec.24, T.24 N., R.16 E., near mouth.	31.1	9-24-11	27.7
Icicle Creek	Wenatchee River	SE $\frac{1}{4}$ sec.28, T.24 N., R.17 E., at gaging station "above Snow Creek near Leavenworth," (operated Sept. 1936 to 1960).	193	9- 8-26 9-25-26	104 109
Leavenworth water-supply intake	Icicle Creek	SE $\frac{1}{4}$ sec.28, T.24 N., R.17 E., at point of diversion.	-	9-10-44	4.31
Icicle irrigation ditch	Icicle Creek (diverts from right side)	SW $\frac{1}{4}$ sec.27, T.24 N., R.17 E., at crossing over Snow Creek, 4 miles southwest of Leavenworth.	-	8-18-42 10- 1-42 5-16-51	92.7 75.9 34.9
Snow Creek	Icicle Creek	SW $\frac{1}{4}$ sec.27, T.24 N., R.17 E., at Icicle irrigation ditch crossing, 4 miles southwest of Leavenworth.	11.4	6- 9-11 7-29-11 9-23-11 9-14-45 9-14-45 9-14-45 9-15-45 8- 8-46 8-25-46 7-23-47 9- 4-47 10-28-47 8- 6-48 9- 3-48 10-13-48 7-13-49 8-29-49 10- 4-49 7-22-50 8-16-50 8- 6-51 8-18-51 9-19-51 10-31-51 4- 2-53 8-24-57	57.9 30.2 20.9 29.2 49.7 42.0 61.9 17.6 16.8 24.7 64.0 15.1 15.2 3.09 3.82 51.8 10.8 66.6 41.1 52.8 33.4 20.4 7.36 16.2 6.84 10.0
Snow Creek diversion	Snow Creek	SW $\frac{1}{4}$ sec.27, T.24 N., R.17 E., 4 miles southwest of Leavenworth.	-	8-14-45 9-28-45 9-28-45 9-28-45 8- 6-48	10.2 12.8 10.2 5.86 23.1
Icicle Creek	Wenatchee River	SE $\frac{1}{4}$ sec.23, T.24 N., R.17 E., at U. S. Salmon Hatchery 2 miles south of Leavenworth.	211	5-28-48 5-14-49 5-11-51 5-15-51 6-13-53 6-11-55 6-12-55	†10,700 4,700 6,360 1,720 2,900 4,970 5,520
Do.....	.....do.....	Sec.24, T.24 N., R.17 E., at gaging station "near Leavenworth," (operated June 1911 to Oct. 1914).	211		
Chumstick Creek	Wenatchee River	NE $\frac{1}{4}$ sec.31, T.26 N., R.18 E., below Little Chumstick Creek.	24.9	9- 9-26	0
Do.....	.....do.....	Sec.6, T.25 N., R.18 E., at Chumstick School.	27.7	9- 9-26	.08
Do.....	.....do.....	NW $\frac{1}{4}$ sec.19, T.25 N., R.18 E., 1 mile above Sprongberg Canyon.	37.8	9- 9-26 9-27-26	.61 .67
Do.....	.....do.....	Sec.31, T.25 N., R.18 E., below Eagle Creek.	76.0	9- 9-26	0

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Wenatchee River basin--Continued					
Posey Canyon (formerly Wenatchee River tributary)	Wenatchee River	SW $\frac{1}{4}$ sec.5, T.24 N., R.18 E., at crest-stage gage, "near Leavenworth."	1.36	2-24-54 10-29-55 8- 3-57 2-25-58 4- 1-59	5.3 5.6 5.5 7.5 4
Wenatchee River	Columbia River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.24 N., R.18 E., at gaging station "at Peshastin," (operated Oct. 1928 to 1960).	1,000	6-14-04	10,800
Tronsen Creek	Peshastin Creek	SW $\frac{1}{4}$ sec.3, T.21 N., R.18 E., at crest-stage, "near Peshastin."	3.96	11-22-59	†107
Do.....	.....do.....	SE $\frac{1}{4}$ sec.13, T.22 N., R.17 E., at side road off U. S. Highway 97, 12 miles south of Peshastin.	15.8	11-22-59	†220
Peshastin Creek	Wenatchee River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.22 N., R.17 E., at gaging station "at Blewett," (operated Aug. to Dec. 1911, May to July 1912).	38.3	6-13-11 2-12-12 5-28-48 9-15-58 11-22-59	26.9 22.2 †713 2.25 †1,030
Nigger Creek	Peshastin Creek	SW $\frac{1}{4}$ sec.36, T.23 N., R.17 E., at mouth.	12.2	9-21-11	4.07
Ingalls Creek	.....do.....	N $\frac{1}{2}$ sec.35, T.23 N., R.16 E., below Cascade Creek.	21.6	9-22-11	21.1
Do.....	.....do.....	NW $\frac{1}{4}$ sec.25, T.23 N., R.17 E., just above mouth.	36.8	7-31-11 9-22-11	42.9 30.9
Peshastin Creek	Wenatchee River	NE $\frac{1}{4}$ sec.25, T.23 N., R.17 E., at gaging station "below Ingalls Creek, near Leavenworth," (operated Aug. 1911 to Sept. 1912).	97.2	7-31-11 6- 9-12 10- 1-12	59.0 460 25.6
Do.....	.....do.....	SE $\frac{1}{4}$ sec.24, T.23 N., R.17 E., $\frac{1}{2}$ mile below Ingalls Creek.	97.2	9- 7-26 9-24-26 9-18-58	23.0 24.3 27.4
Hansel Creek	Peshastin Creek	SE $\frac{1}{4}$ sec.24, T.23 N., R.17 E., at mouth.	3.76	9-21-27	1.38
Peshastin Creek	Wenatchee River	NE $\frac{1}{4}$ sec.29, T.24 N., R.18 E., at county road bridge about 1 $\frac{1}{2}$ miles above mouth.	-	6-14-04 9-25-14 5-31-48	521 16.9 †1,190
Puget Sound Power & Light Co. Highland canal (Dryden ditth)	.....do.....	Sec.27, T.24 N., R.18 E., at highway bridge 900 ft above powerplant at Dryden.	-	9- 8-25 8-18-42 10- 2-42 8-22-45	612 644 374 542
Wenatchee Valley canal (Dryden ditch)	.....do.....	Sec.26, T.24 N., R.18 E., at gaging station "at Dryden," (operated June 1911 to Sept. 1917).	-	9- 8-25 8-22-45	166 201
Wenatchee River	Columbia River	SW $\frac{1}{4}$ sec.26, T.24 N., R.18 E., at gaging station "at Dryden," (operated Oct. 1911 to Sept. 1917).	1,155	8-18-42 9-27-42 8- 2-44 8-10-44 8-11-44	40.4 17.4 53.8 38.2 110
Do.....	.....do.....	SW $\frac{1}{4}$ sec.32, T.24 N., R.19 E., at gaging station "above Mission Creek at Cashmere," (operated July 1904 to Aug. 1908, June 1909 to Sept. 1911).	1,188	2-10-12 6-29-12 5-28-48	1,040 12,400 †34,600
East Branch Mission Creek	Mission Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.22 N., R.19 E., at crest-stage gage, "near Cashmere."	15.4	2- 8-55 4-22-56 4-14-57 2-25-58 4- 1-59 5-12-60	10.9 49.7 44 22 29 28
Mission Creek East Branch tributary	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.22 N., R.19 E., at crest-stage, "near Cashmere."	2.49	2- 8-55 4-22-56 4-14-57 2-25-58 4- 1-59 5- 7-60	3.6 21.0 5.0 5.7 12 8.3

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Wenatchee River basin--Continued					
Mission Creek	Wenatchee River	Sec. 7, T. 22 N., R. 19 E., 1½ miles above Bear Gulch.	39.2	9- 9-26 9-23-26	0.78 1.76
Do.....	.....do.....	SW¼NE¼ sec. 6, T. 22 N., R. 19 E., at gaging station "above Sand Creek near Cashmere," (operated Dec. 1958 to 1960).	39.8		
Sand Creek	Mission Creek	NW¼ sec. 6, T. 22 N., R. 19 E., at crest-stage gage "near Cashmere," (operated May 1954 to Sept. 1956).	18.6	4-18-54 2- 7-55 8-15-56 10- 2-56 10-10-56 10-23-56 11-29-56 4-12-57 4-20-58 9-12-58 1- -59 11-22-59	†67.4 †71 †325 1.31 1.21 .85 1.30 †112 †68.5 .46 †115 †120
Mission Creek	Wenatchee River	SE¼ sec. 31, T. 23 N., R. 19 E., just below Bear Gulch.	62.7	9- 9-26	0
Do.....	.....do.....	SE¼NE¼ sec. 8, T. 23 N., R. 19 E., at gaging station "near Cashmere," (operated May 1954 to Dec. 1958).	7.13	5-28-48	†408
Do.....	.....do.....	NW¼NW¼ sec. 9, T. 23 N., R. 19 E., at crest-stage gage "at Cashmere".	81.2	4-18-54 2- 8-55 4-22-56 5- 1-57 2-25-58 4- 1-59 11-22-59	168 215 463 192 151 141 235
Do.....	.....do.....	NW¼ sec. 4, T. 23 N., R. 19 E., at railroad bridge near mouth at Cashmere.	81.8	4-13-07 4-16-10	194 113
Wenatchee River	Columbia River	Center of E½ sec. 14, T. 23 N., R. 19 E., at gaging station "near Wenatchee," (operated Aug. to Nov. 1897)..	1,304	6-14-04 6-16-04 7-26-04 12- 6-54 2-18-55 3-17-55 6- 1-55 8-26-55 9-28-55 9-24-59	10,800 13,200 3,650 2,510 1,150 946 7,620 1,390 567 1,730
Wenatchee River tributary	Wenatchee River	NW¼ sec. 24, T. 23 N., R. 19 E., ¼ mile upstream from county road and 0.7 mile southeast of Monitor.	.15	8-25-56	903
Wenatchee River tributary No. 2	.....do.....	SE¼ sec. 29, T. 23 N., R. 20 E., ½ mile upstream from county road, 2 miles northwest of Wenatchee city limits.	1.32	8-25-56	1,950
Minor basins between Wenatchee River and Douglas Creek					
Blocker Canyon Creek	Columbia River	On line between secs. 1 & 2, T. 22 N., R. 20 E., at Eastmont Ave., and 19th Street Northeast, at northeast edge of East Wenatchee.	4.10	5- 5-57	430
Canyon Number Two	.....do.....	SW¼ sec. 8, T. 22 N., R. 20 E., at mouth of canyon, 0.8 mile west of Western Avenue, and 0.3 mile upstream from Wenatchee business district.	8.68	5- 5-57	1,470
Squillchuck Creek	.....do.....	SW¼ sec. 4, T. 21 N., R. 20 E., ½ mile below Halverson Road, 1 mile above School No. 14, and 2½ miles northeast of Squillchuck State Park.	12.4	9- 9-26 9-23-26	1.73 1.80
Do.....	.....do.....	SW¼ sec. 14, T. 22 N., R. 20 E., at mouth.	27.8	9- 9-26	0
Douglas Creek basin					
Douglas Creek	Columbia River	NW¼ sec. 31, T. 25 N., R. 23 E., just below railroad depot and ¼ mile above crossing of U. S. Highway 2 at Douglas.	69.6	3-18-57	1,840
Moses Creek	Douglas Creek	Near center of E½ sec. 22, T. 25 N., R. 22 E., at crest-stage gage "at Waterville."	3.48	2-25-54 3-29-55 3-18-57	80 62.0 115

† Peak flow.

Stream	Tributary	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Douglas Creek basin--Continued					
Moses Creek (cont.)	Douglas Creek	Near center of E $\frac{1}{2}$ sec.22, T.25 N., R.22 E., at crest-stage gage "at Waterville."		6- 7-58 3-26-59 3-20-60	51.0 37 117
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.25 N., R.22 E., at crest-stage gage "at Douglas."	15.4	3-29-55 3-18-57 6- 7-58 3-26-59 3-20-60	158 257 137 41 193
Douglas Creek	Columbia River	S $\frac{1}{2}$ sec.12, T.24 N., R.22 E., at gaging station "near Alston."	99.9	6-10-48 10- 3-55 8-25-56 3-18-57 6- 7-58 9-16-58 3-26-59 3- -60	†6,420 .44 †400 †3,360 †1,790 .43 †1,850 †710
Do.....	.....do.....	NW $\frac{1}{4}$ sec.30, T.23 N., R.24 E., at gaging station "near Palisades," (operated Nov. 1949 to Sept. 1952).	197	10-20-52	8.18
Rattlesnake Creek tributary	Rattlesnake Creek	SW $\frac{1}{4}$ sec.32, T.23 N., R.26 E., at crest-stage gage, "near Soap Lake."	2.22	1- -59	105
McCartney Creek tributary	McCartney Creek	SW $\frac{1}{4}$ sec.30, T.25 N., R.25 E., at crest-stage gage, "near Farmer."	a4	3- -60	41
Pine Canyon tributary	Pine Canyon	On line between sec.21 and 22, T.25 N., R.24 E., at crest-stage gage, "near Farmer."	1.10	3- -60	26.1
Pine Canyon tributary No. 2	.....do.....	On west line sec.34, T.25 N., R.24 E., at State Highway 10B, $\frac{1}{4}$ mile north of Farmer.	.17	7-29-58	†36.6
Pine Canyon tributary No. 3	.....do.....	At south line sec.35, T.25 N., R.24 E., on U. S. Highway 2, 1.9 miles east of Farmer.	.66	7-29-58	†102
Douglas Creek	Columbia River	NW $\frac{1}{4}$ sec.11, T.22 N., R.23 E., at Palisades at highway bridge.	-	6-10-48	†3,680
Do.....	.....do.....	SE $\frac{1}{4}$ sec.10, T.22 N., R.23 E., at gaging station "at Palisades," (operated Jan. 1951 to Sept. 1955).	844	3-26-51 3-25-52 1-24-59	†1,990 †442 †3,500
Do.....	.....do.....	SW $\frac{1}{4}$ sec.27, T.21 N., R.22 E., at old State Highway 10, 4 $\frac{1}{2}$ miles northwest of Trinidad.	924	2-26-57 1-24-59	†3,620 †4,800
Columbia River basin					
Columbia River	Pacific Ocean	SE $\frac{1}{4}$ sec.13, T.20 N., R.22 E., at gaging station "at Trinidad". (Publ'd as "at Weratchee" 1910, 1913-16, "at Vernita" 1917-30).	90,500		
Minor basins between Douglas and Crab Creeks					
Willow Springs Creek	Columbia River	NE $\frac{1}{4}$ sec.7, T.20 N., R.23 E., at State Highway 10, 1 $\frac{1}{2}$ miles northeast of Trinidad.	65.7	2-27-57 1-24-59	†3,900 †2,180
Rocky Coulee	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.17 N., R.23 E., at road to Ginkgo State Park Museum, 200 ft south of U. S. Highway 10, 0.4 mile southwest of Vantage.	15.6	3-23-56	80.4
Schnebly Coulee tributary	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.17 N., R.21 E., at crest-stage gage, "near Vantage."	.82	2- 8-55 3-23-56 3-18-57 1-11-59	2.3 41.5 42 27
Crab Creek basin					
South Fork Crab Creek tributary	South Fork Crab Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.24 N., R.39 E., at crest-stage gage, "at Waukon."	.68	2-23-54 2- 8-55 3- 2-56 2-26-57 2-26-58 1-24-59 5-21-50	4.8 29.3 23.6 111 11.3 45 20
South Fork Crab Creek tributary No. 2	.....do.....	0.1 mile south of center of sec.32, T.24 N., R.39 E., 2.2 miles northeast of Edwall.	4.23	2-26-57 1-24-59	†446 †425

† Peak flow.  
a Approximately.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Crab Creek basin--Continued					
South Fork Crab Creek	Crab Creek	On line between secs.9 and 10, T.23 N., R.38 E., 0.1 mile north of south section corner, 3.1 miles southwest of Edwall.	22.2	2-26-57 1-24-59	†580 †1,520
Crab Creek	Moses Lake	Sec.8, T.21 N., R.33 E., at Odessa.	699	3-21-04	403
Tule Lake Outlet Creek	Crab Creek	SE $\frac{1}{4}$ sec.34, T.22 N., R.32 E., at Tule Lake, 3 $\frac{1}{2}$ miles northwest of Odessa.	162	3-19-04	46.7
Crab Creek	Moses Lake	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.21 N., R.32 E., at Great Northern Railroad bridge 3 $\frac{1}{2}$ miles northwest of Odessa.	1,004	3-21-04	410
Do.....	.....do.....	NW $\frac{1}{4}$ sec.31, T.22 N., R.32 E., at gaging station "at Irby," (operated Sept. 1942 to 1960).	1,042		
Do.....	.....do.....	Sec.12, T.22 N., R.30 E., at Krupp (Marlin).	-	8-16-04	8.4
Canniwal Creek tributary	Canniwal Creek	SW $\frac{1}{4}$ sec.34, T.25 N., R.32 E., at crest-stage gage "near Govan."	.25	8-25-58 1-24-59 1960	165 29.9 2.9
Goose Creek	Wilson Creek	SW $\frac{1}{4}$ sec.9, T.26 N., R.33 E., 1 $\frac{1}{2}$ miles east of Wilbur.	43.0	2-26-57 1-11-59	†3,040 †2,220
Wilson Creek	Crab Creek	NW $\frac{1}{4}$ sec.29, T.26 N., R.32 E., at county road bridge 1.2 miles south of Govan.	170	9- 9-58	.95
Broadax Draw tributary	Broadax Draw	NW $\frac{1}{4}$ sec.16, T.27 N., R.32 E., at crest-stage gage, "near Wilbur."	1.12	7-26-55 3-23-56 2-26-57 1958 1-11-59 2- -60	205 58.5 76.7 36.6 88 31
Corbett Draw tributary	Corbett Draw	NE $\frac{1}{4}$ sec.33, T.26 N., R.30 E., at U. S. Highway 2 at east city limits of Almira.	85.6	1-11-59	†1,000
Wilson Creek	Crab Creek	Near line between secs.10 and 15, T.23 N., R.30 E., 6 $\frac{1}{2}$ miles northeast of town of Wilson Creek.	409	2-26-57	†7,760
Do.....	.....do.....	SW $\frac{1}{4}$ sec.6, T.22 N., R.30 E., at gaging station "at Wilson Creek," (operated Feb. 1951 to Mar. 1957, Oct. 1958 to Sept. 1960).	427	3-31-50 1-22-58	52.3 29.3
Crab Creek	Moses Lake	NW $\frac{1}{4}$ sec.12, T.22 N., R.29 E., $\frac{1}{4}$ mile west of Great Northern Railroad depot at town of Wilson Creek and 300 ft south of tracks.	1,765	3-18-04 4-29-04 8-16-04 3-31-50	785 223 34.5 510
Do.....	.....do.....	SW $\frac{1}{4}$ sec.3, T.22 N., R.30 E., at Great Northern Railway bridge, 2 miles west of town of Wilson Creek.	1,770	2-27-57	†12,500
Do.....	.....do.....	NE $\frac{1}{4}$ sec.6, T.22 N., R.29 E., at Great Northern Railway bridge 2 $\frac{1}{2}$ miles east of Strafford.	1,778	3-21-04	661
Main Canal tributary	Main Canal	SW $\frac{1}{4}$ sec.2, T.25 N., R.30 E., at U. S. Highway 2, 4 miles southwest of Almira.	a1.1	1-11-59	†82.2
Main Canal tributary No. 2	Main Canal tributary No. 1	SE $\frac{1}{4}$ sec.3, T.25 N., R.30 E., at U. S. Highway 2, 4 $\frac{1}{2}$ miles southwest of Almira.	a3.3	1-11-59	†257
Crab Creek	Moses Lake	Sec.24, T.22 N., R.27 E., at gaging station "at Adrian," (operated Dec. 1909 to Sept. 1912).	2,058	9-10-58	0
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.20 N., R.28 E., at gaging station "near Moses Lake," (operated Oct. 1942 to 1960).	2,228		
Do.....	.....do.....	NE $\frac{1}{4}$ sec.11, T.19 N., R.28 E., about 1 mile above head of Parker Horn of Moses Lake.	2,525	3-11-13 3-17-13 4- 1-13 4-24-13	1,830 720 154 16
Grand Coulee tributary	Grand Coulee	SW $\frac{1}{4}$ sec.19, T.25 N., R.28 E., at crest-stage gage, "near Coulee City."	a2.7	1-12-59 2or3-60	154 10
Grand Coulee tributary No. 2	.....do.....	NW $\frac{1}{4}$ sec.31, T.25 N., R.28 E., at U. S. Highway 2, 2 miles west of Coulee City.	a.5	1-11-59	34.2

† Peak flow.

a Approximately.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Crab Creek basin--Continued					
Park Creek	Park Lake	SE $\frac{1}{4}$ sec.11, T.24 N., R.27 E., at gaging station "near Coulee City," (operated Aug. 1942 to July 1945).	26.4	10-18-45 12-12-45 3-20-46 5- 6-46 7- 7-46 8-23-46 12- 6-46 3- 4-47 7-22-48 9- 9-58	2.62 3.91 4.15 3.83 2.89 2.18 5.43 5.66 5.64 6.75
Do.....	.....do.....	SE $\frac{1}{4}$ sec.11, T.24 N., R.27 E., just above crossing of State Highway 7, $\frac{1}{2}$ miles southwest of Coulee City and about $\frac{1}{2}$ mile below gaging station.	26.4	6-24-43	2.00
Do.....	Blue Lake	SW $\frac{1}{4}$ sec.15, T.24 N., R.27 E., at gaging station "below Park Lake near Coulee City," (operated July 1945 to 1960).	35.8	4-18-45 6- 1-45 7- 2-45 7- 7-45	5.96 4.08 1.37 1.16
Blue Lake Outlet	Alkali Lake	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.24 N., R.27 E., at outlet of Blue Lake, about 5 miles southwest of Coulee City.	52.8	9- 9-58	1.12
Iron Springs Creek	Ground water	On east line sec.8, T.21 N., R.25 E., at crest-stage gage, "near Winchester."	1.57	1-24-59 3-18-60	127 18
Do.....	.....do.....	S $\frac{1}{2}$ sec.8, T.21 N., R.26 E., 300 ft above county road and $1\frac{1}{2}$ miles west of Ephrata.	22.7	6-10-48	†3,060
Do.....	.....do.....	NE $\frac{1}{4}$ sec.16, T.21 N., R.26 E., 600 ft above main canal at Ephrata.	26.0	6-18-50	†690
Rocky Ford Creek	Crab Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.21 N., R.27 E., at gaging station "near Ephrata," (operated May 1945 to 1960).	12.3		
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.21 N., R.27 E., at gaging station "near Ephrata," (operated Aug. 1942 to May 1945).	-	3-11-46 3-19-46 3-21-46 4-10-46 5- 7-46 6-20-46 8-22-46 10-14-46 12- 5-46 1-22-47 3- 4-47	32.8 44.2 45.6 54.8 61.6 72.4 76.0 69.9 58.7 50.8 44.9
Do.....	.....do.....	SW $\frac{1}{4}$ sec.5, T.20 N., R.27 E., at gaging station "near Ephrata," (Operated June 1909 to Dec. 1911; fragmentary record).	-	6-21-01 4- 4-10 12-13-10 3-19-11 3-19-11 3-14-12 3-14-12 6-15-12 2-18-14	89.1 79 57 37.5 38.0 53.6 53.9 64.8 61.4
Quincy Lateral tributary	Quincy Lateral	SW $\frac{1}{4}$ sec.29, T.21 N., R.24 E., 3 miles north of Quincy.	-	7- 2-58	†344
Quincy Lateral tributary No. 2	.....do.....	NW $\frac{1}{4}$ sec.29, T.21 N., R.24 E., 3 miles north of Quincy.	-	7- 2-58	†22
Crab Creek	Columbia River	NW $\frac{1}{4}$ sec.20, T.18 N., R.28 E.	-	3-31-11	5
Do.....	.....do.....	Center sec.20, T.18 N., R.28 E.	-	3-31-11	0
Do.....	.....do.....	NW $\frac{1}{4}$ sec.34, T.18 N., R.28 W.	-	4- 3-11	12
Do.....	.....do.....	NE $\frac{1}{4}$ sec.3, T.17 N., R.28 E., 200 ft above road bridge and 9 miles south of town of Moses Lake.	-	9- 5-44 7- 7-46	2.70 .41
Do.....	.....do.....	SW $\frac{1}{4}$ sec.2, T.17 N., R.28 E., 500 ft above Spring Creek and 9 miles south of town of Moses Lake.	-	6-21-46	1.49
Drumheller Springs	Crab Creek	Near Drumheller ranch house at county road.	-	3-31-11 1-18-12 3-16-12	20 20.6 17.8

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Crab Creek basin--Continued					
Spring Creek	Crab Creek	SE $\frac{1}{4}$ sec.3, T.17 N., R.28 E., $\frac{1}{2}$ mile above mouth, near Warden.	-	2-14-14 9- 5-44 7- 7-46 8-21-46 12- 5-46 4-28-47 9-11-47 11- 3-47 6-10-48	24.8 11.6 11.2 8.71 20.2 20.6 11.7 16.7 12.0
Paha Coulee tributary	Paha Coulee	SE $\frac{1}{4}$ sec.12, T.19 N., R.35 E., 1 $\frac{1}{2}$ miles north-east of Ritzville.	-	2-16-49	† b273
Paha Coulee	Lind Coulee	N $\frac{1}{2}$ sec.34, T.18 N., R.34 E., at railroad crossing, 0.5 mile north of U. S. Highway 395 and 5 miles northeast of Lind.	-	5- 8-56	†826
Lind Coulee tributary	.....do.....	NE $\frac{1}{4}$ sec.24, T.17 N., R.33 E., at crest-stage gage, "near Lind."	.21	2-21-56	60.3
Lind Coulee	Crab Creek	NW $\frac{1}{4}$ sec.13, T.17 N., R.33 E., at county road crossing at Lind.	193	2-21-56	†5,150
Do.....	.....do.....	On line between secs.27 and 28, T.18 N., R.30 E., at county road crossing 3 miles above Weber Coulee and 3.3 miles north of Warden.	354	2-21-56	†7,160
Bowers Coulee	Weber Coulee	SE $\frac{1}{4}$ sec.4, T.18 N., R.32 E., 0.2 mile south of U. S. Highway 10 and 3 miles east of Schrag.	127	2-16-49 2-21-56	† b2,740 †5,000
Weber Coulee tributary	.....do.....	NW $\frac{1}{4}$ sec.13, T.19 N., R.31 E., at crest-stage gage, "near Ruff."	.95	1959 1960	< 1 0
Weber Coulee	Lind Coulee	On line between secs.9 and 10, T.18 N., R.30 E., at county road bridge 3 miles above mouth and 7 miles north of Warden.	276	2-21-56	†9,400
Lind Coulee	Crab Creek	SE $\frac{1}{4}$ sec.2, T.17 N., R.28 E., $\frac{1}{2}$ mile above mouth, near Warden.	765	3-31-11 1-19-12 2-14-14 2- 7-43 9- 5-44	1.2 8.8 2.0  .85
Do.....	.....do.....	NE $\frac{1}{4}$ sec.11, T.17 N., R.28 E., 100 ft above mouth, near Warden.	-	1-28-47 3- 5-47	1.16 1.24
Warden Coulee Wasteway	Potholes East Low Canal	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.17 N., R.30 E., 600 ft below Northern Pacific Railroad bridge, 1,400 ft above East Low Canal siphon, and 2 $\frac{1}{2}$ miles southwest of Warden.	31.5	2-21-56	†1,120
Crab Creek	Columbia River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.17 N., R.28 E., at gaging station "near Warden," (operated June to Dec. 1909, Mar. to Dec. 1910, Feb. to Dec. 1911, Feb. to June 1912, Oct. 1942 to Sept. 1952).	-	1-18-12 3-16-12 4-19-49	55.6 24.0 75.9
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.17 N., R.28 E., at gaging station "near Warden," (operated Oct. 1955 to 1960).	4,470	8- 7-53 9-16-53	28.2 27.6
Do.....	.....do.....	SE $\frac{1}{4}$ sec.30, T.16 N., R.26 E., at gaging station "near Smyrna," (operated Aug. 1942 to Nov. 1959).	4,781		
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.16 N., R.24 E., at gaging station "near Beverly," (operated Feb. 1959 to 1960).	4,842		
Scooteney Lake basin					
Kansas No. 1	Scooteney Reservoir	On line between secs.35 and 36, T.16 N., R.30 E., at county road crossing about 2 miles southeast of Bruce.	26.2	2-21-56	†1,360
Scooteney Reservoir tributary	.....do.....	On north line of sec.4, T.15 N., R.31 E., at crest-stage gage, "near Cunningham."	6.06	2-21-56	175
Kansas No. 2 tributary (formerly unnamed tributary)	Kansas No. 2	On north line of sec.32, T.15 N., R.31 E., at county road 6 $\frac{1}{2}$ miles west of Cunningham.	-	2-21-56	†49.4

† Peak flow.  
b Revised.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Scootenev Lake basin--Continued					
Scootenev Reservoir tributary No. 2 (formerly unnamed tributary)	Scootenev Reservoir	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.14 N., R.30 E., about 0.3 mile above mouth, 4 miles below confluence of Kansas No. 1 and Kansas No. 2, 8 $\frac{1}{2}$ miles southeast of Othello, 10 miles northwest of Connell, and 10 $\frac{1}{2}$ miles north of Mesa.	120	2-21-56	†2,110
Yakima River basin					
Gold Creek	Keechelus Lake	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.22 N., R.11 E., at highway crossing $\frac{1}{2}$ mile east of Hyak.	14.0	8-21-06 9- 8-10 11-23-59	25.0 11.4 †5,000
Do.....	.....do.....	NE $\frac{1}{4}$ sec.22, T.22 N., R.11 E., below Coal Creek $\frac{1}{2}$ mile southeast of Hyak.	19.9	9- 8-10	.62
Rocky Run (formerly Boulder Creek)	.....do.....	SW $\frac{1}{4}$ sec.23, T.22 N., R.11 E., at road crossing just above mouth.	2.17	8-21-06 9- 8-10	2.5 1.90
Mill Creek (formerly Coal Creek)	.....do.....	NW $\frac{1}{4}$ sec.27, T.22 N., R.11 E., at crossing of Milwaukee Railroad tracks.	1.76	9- 8-10	.62
Wolfe Creek	.....do.....	NW $\frac{1}{4}$ sec.26, T.22 N., R.11 E., at road crossing $\frac{1}{2}$ mile south of Rocky Run.	.82	8-21-06 9- 8-10	6.0 .35
Cold Creek (formerly unnamed tributary)	.....do.....	NW $\frac{1}{4}$ sec.27, T.22 N., R.11 E., at crossing of Milwaukee Railroad.	4.02	9- 8-10	1.56
Keechelus Lake tributary	.....do.....	SE $\frac{1}{4}$ sec.35, T.22 N., R.11 E.	-	8-21-06 9- 8-10	.5 .2
Keechelus Lake tributary No. 2	.....do.....	SE $\frac{1}{4}$ sec.35, T.22 N., R.11 E.	-	8-21-06 9- 8-10	1.8 .6
Resort Creek (formerly Trout Creek)	.....do.....	NE $\frac{1}{4}$ sec.1, T.21 N., R.11 E.	2.57	8-21-06 9- 8-10	1.8 .55
Roaring Creek	.....do.....	NW $\frac{1}{4}$ sec.11, T.12 N., R.11 E., above mining company's dam.	5.32	8-21-06 9- 8-10	36 26.4
Keechelus Lake tributary No. 3	.....do.....	NE $\frac{1}{4}$ sec.12, T.21 N., R.21 N., near mouth.	-	9- 8-10	.20
Price Creek (formerly unnamed tributary)	.....do.....	SW $\frac{1}{4}$ sec.10, T.21 N., R.12 E., near mouth.	-	8-21-06 9- 8-10	.8 .2
Meadow Creek	.....do.....	NW $\frac{1}{4}$ sec.13, T.21 N., R.11 E., near mouth.	7.88	8-21-06 9- 8-10	3.6 3.18
Keechelus Lake Spillage	Yakima River	SE $\frac{1}{4}$ sec.10, T.21 N., R.12 E., at bridge just below spillway.	-	6- 4-48	674
Yakima River	Columbia River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.21 N., R.12 E., at gaging station "near Martin," (operated Oct. 1903 to 1960).	54.7		
Cabin Creek	Yakima River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.20 N., R.13 E., at gaging station "near Easton," (operated June 1909 to Sept. 1911).	29.3	9-21-04 5-29-07 8- 8-07 10-29-07 5-12-09 10- 3-11 12- 6-11 5-25-12 7-16-12 11-12-12 1-23-13 4-11-13 5-21-13 7-23-13 8- 6-13 9- 3-13 9-30-13 1-14-14 4-14-14	6.9 404 12 2.5 196 15.8 93.7 277 28.0 44.2 32.0 92.6 268 49.3 29.8 15.5 8.73 83.2 274

† Peak flow.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Cabin Creek (cont.)	Yakima River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.20 N., R.13 E., at gaging station, "near Easton."		5-19-14 6-16-14 7-28-14 8-18-14 10- 1-14 9-15-58	236 125 13.2 6.80 9.89 15.9
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.20 N., R.13 E., at mouth.	31.9	7-25-10	16.8
Yakima River	Columbia River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.20 N., R.13 E., 75 ft below Cabin Creek.	114	8-18-10	43.8
Box Canyon Creek	Little Kachess Lake	NE $\frac{1}{4}$ sec.30, T.22 N., R.13 E., at trail crossing about 1 mile above mouth.	12.3	8-23-06 9- 9-10	14.0 5.4
Gale Creek	Kachess Lake	W $\frac{1}{2}$ sec.32, T.22 N., R.13 E., at road crossing near mouth.	5.89	8-23-06 9- 8-10	.8 1.3
Kachess River	Easton Reservoir	NE $\frac{1}{4}$ sec.3, T.20 N., R.13 E., at gaging station "near Easton," (operated Oct. 1903 to 1960).	63.6	8-16-93	211
Do.....	Yakima River	NW $\frac{1}{4}$ sec.11, T.20 N., R.13 E., 100 ft above mouth.	-	9-15-10	2.08
Silver Creek	.....do.....	SE $\frac{1}{4}$ sec.35, T.21 N., R.13 E., at mouth of canyon.	5.14	4-23-06	3.4
Kittitas Canal	Yakima River (diverts from right bank)	SE $\frac{1}{4}$ sec.11, T.20 N., R.13 E., at gaging station "at Easton," (operated 1930 to 1960).	-		
Yakima River	Columbia River	SE $\frac{1}{4}$ sec.11, T.20 N., R.13 E., at gaging station "at Easton," (operated June to Oct. 1904, Mar. 1910 to Sept. 1915, Jan. 1941 to Dec. 1954).	188	5-12-04 3-16-06 5-28-07 10- 7-15 12-12-40 1-11-55	1,420 585 2,760 151 217 116
Tucker Creek	Yakima River	NW $\frac{1}{4}$ sec.24, T.20 N., R.13 E., at entrance to canyon near mouth, 1 $\frac{1}{4}$ miles southeast of Easton.	2.82	9-15-10	.4
Big Creek	.....do.....	NE $\frac{1}{4}$ sec.29, T.20 N., R.14 E., 50 ft above main canal and about 1 mile above highway crossing.	27.4	5- 2-09 6- 4-09 7-23-09 10- 4-09 11-18-09 7-26-10 8-30-10 9-15-10 10- 3-11	127 246 18.3 12.5 61.7 19.1 11.0 9.5 12.7
Little Creek	.....do.....	N $\frac{1}{2}$ sec.27, T.20 N., R.14 E., below diversions.	11.9	7-26-10	0
Yakima River	Columbia River	NW $\frac{1}{4}$ sec.36, T.20 N., R.14 E., at ford below Nelson.	248	8-19-10 8-19-10 8-31-10 9-16-10	335 328 514 297
Fortune Creek	Cle Elum River	SE $\frac{1}{4}$ sec.14, T.23 N., R.14 E., at road crossing near mouth.	10.1	6-16-07	65
Cle Elum River (formerly North Fork Cle Elum River)	Cle Elum Lake	SE $\frac{1}{4}$ sec.23, T.23 N., R.14 E., 4 $\frac{1}{2}$ miles north-east of Salmon LaSac guard station.	38.1	6-16-07 10-13-11	250 30.6
Camp Creek	Cle Elum River	SE $\frac{1}{4}$ sec.26, T.23 N., R.14 E., at road crossing near mouth.	1.61	6-16-07	15
Waptus River (formerly Middle Fork Cle Elum River)	.....do.....	SE $\frac{1}{4}$ sec.4, T.22 N., R.14 E., above Big Salmon LaSac.	53.8	9-10-10	50.5
Cle Elum River	Cle Elum Lake	SW $\frac{1}{4}$ sec.9, T.22 N., R.14 E., at Big Salmon LaSac.	110	9-10-10	95.6

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Cooper River (formerly West Fork Cle Elum River)	Cle Elum River	SW $\frac{1}{4}$ sec.9, T.22 N., R.14 E., about 1 mile above mouth near Salmon LaSac.	34.9	9-10-10 7- 8-11 10-13-11	40 227 36.5
Cle Elum River	Yakima River	NW $\frac{1}{4}$ sec.28, T.22 N., R.14 E., 2 miles above Cle Elum Lake.	156	9-22-04 8-24-06 9-10-10	206 189 136
Do.....	.....do.....	NW $\frac{1}{4}$ sec.11, T.20 N., R.14 E., at gaging station "near Roslyn," (operated 1903 to 1960).	203		
Yakima River	Columbia River	Sec.27, T.20 N., R.15 E., at gaging station "at Cle Elum," (operated Aug. 1906 to 1960).	495	9-21-04	442
Crystal Creek (formerly Roslyn Creek)	Yakima River	Sec.27, T.20 N., R.15 E., at mouth at Cle Elum.	7.71	3-27-07 5- 1-07 5-30-07	10 9.1 2
North Fork Teanaway River	Teanaway River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.21 N., R.16 E., at county road bridge $\frac{1}{2}$ mile below Middle Creek and 7 miles northeast of Cle Elum.	82.4	11-23-59	†3,180
Teanaway River	Yakima River	NW $\frac{1}{4}$ sec.9, T.20 N., R.16 E., at gaging station "below Forks near Cle Elum," (operated June 1911 to June 1912).	172	9-15-58	20.7
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.20 N., R.17 E., at gaging station "near Cle Elum," (operated Oct. 1946 to Sept. 1952).	200	10-23-52 9-15-58	2.63 8.25
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.19 N., R.16 E., at gaging station "near Cle Elum," (operated Apr. 1909 to Sept. 1914).	206	11-17-14	159
Hovey Creek	Swauk Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.21 N., R.17 E., at crest-stage gage, "near Cle Elum."	2.65	5-20-55 5-20-56 5- 1-57 2-25-58 4- 1-59 11-22-59	30 67.9 32.2 27.0 25.6 33
Swauk Creek	Yakima River	SE $\frac{1}{4}$ sec.5, T.19 N., R.17 E., at gaging station "near Cle Elum," (operated Apr. 1909 to Sept. 1914).	90.7		
Taneum Creek	.....do.....	Sec.1, T.18 N., R.16 E., at gaging station "near Thorp," (operated Apr. 1909 to Oct. 1910).	74.3	11-16-10 4- 3-11 4-26-11 6- 2-11 8- 4-11 11-17-11 7-18-12 11-15-12 1-15-13 3-14-13 5-23-13 6-17-13 8- 8-13 9-10-13 9-25-13 1-12-14 4-17-14 5-22-14 6- 9-14 8-11-14 8-24-14 10-13-14 9-12-58	18.5 80.9 155 235 9.14 14.6 20.1 13.0 13.3 40.5 388 145 31.6 29.3 28.4 32.3 203 172 71.4 8.56 5.43 12.7 6.52
Do.....	.....do.....	NW $\frac{1}{4}$ sec.5, T.18 N., R.17 E., at road bridge 3 miles northwest of Thorp.	75.3	3- -06	22
Yakima River	Columbia River	NW $\frac{1}{4}$ sec.34, T.19 N., R.17 E., 1,000 ft below Northern Pacific Railroad bridge at Dudley and 2 $\frac{1}{2}$ miles northwest of Thorp.	948	9-23-04 8-20-10 9- 1-10 9-17-10	515 1,080 716 396
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.18 N., R.18 E., at road bridge 2 miles west of Ellensburg.	1,037	8-20-10 9-10-10 9-17-10	893 567 309
South Fork Manastash Creek	Manastash Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.17 N., R.16 E., at road crossing.	40.9	9- 3-57	9.87

† Peak flow.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
South Fork Manastash Creek tributary	South Fork Manastash Creek	Near center sec.18, T.17 N., R.17 E., at crest-stage gage "near Ellensburg."	2.12	5-19-55	26.6
				4-11-56	34.7
				5-10-57	100
				4-20-58	27.5
				1959	14
				3-26-60	32
North Fork Manastash Creek	Manastash Creek	NE $\frac{1}{4}$ sec.17, T.17 N., R.17 E., 300 ft above mouth.	-	10-17-11	.68
Manastash Creek	Yakima River	NW $\frac{1}{4}$ sec.15, T.17 N., R.17 E., at gaging station "near Ellensburg," (operated Apr. 1909 to Sept. 1914).	74.5	10-13-14 9-12-58	13.8 9.64
Yakima River	Columbia River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.17 N., R.18 E., at bridge 1 mile southwest of Ellensburg.	1,177	5-31-45	6,200
Wilson Creek	Yakima River	NW $\frac{1}{4}$ sec.20, T.19 N., R.19 E., at gaging station "near Ellensburg." (Operated Mar. 1957 to 1960. Operated by USBR June to Oct. 1924).	15.3	10-18-11	1.5
				7- 2-24	3.86
				7-29-24	1.63
				8-22-24	1.24
				9-10-24	.96
				9-27-24	1.38
Naneum Creek	Wilson Creek	Above city intake.	-	10-18-11	25
				7-19-12	40
				9- 2-12	28.3
Do.....	Wilson Creek (formerly tributary to Yakima River)	NE $\frac{1}{4}$ sec.20, T.19 N., R.19 E., at gaging station "near Ellensburg." (Operated Mar. 1957 to 1960. Operated by USBR June to Oct. 1924).	69.5	10-18-11 7-19-12 9- 2-12 7- 2-24 7-29-24 8-22-24 9-11-24 9-27-24	19.7 34.4 22.9 28.2 14.9 10.1 7.50 7.60
Wilson Creek	Yakima River	SE $\frac{1}{4}$ sec.30, T.17 N., R.19 E., just above Cherry Creek near Thrall.	169	9- 2-10 9-18-10 8-26-11 9-12-11 10-16-11	131 94 109 165 137
Caribou Creek	Cherry Creek	Sec.17, T.18 N., R.20 E., at mouth of canyon 4 miles northeast of Kittitas.	15.7	10-16-11	.23
Cooke Creek	Caribou Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.19 N., R.20 E., at gaging station "near Ellensburg," (operated Nov. 1957 to 1960).	18.6		
Caribou Creek	Cherry Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.17 N., R.20 E., 1 $\frac{1}{4}$ miles northeast of Kittitas.	-	10-16-11 9-12-57	.23 13.2
Warm Springs Creek	Caribou Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.17 N., R.20 E., 150 ft below source, 1 $\frac{1}{4}$ miles northeast of Kittitas.	-	9- 3-57 9-12-57	4.53 5.53
Warm Springs Creek and two branches of Parke Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.17 N., R.20 E., 1 $\frac{1}{4}$ miles northeast of Kittitas.	-	9- 3-57 9-12-57	11.5 14.6
Warm Springs Creek wasteway	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.17 N., R.20 E., 200 ft below mouth of Parke Creek, 1 $\frac{1}{4}$ miles northeast of Kittitas.	-	9- 3-57 9-12-57	7.89 12.3
Parke Creek	Cherry Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.18 N., R.20 E., at Highline Canal 0.1 mile east of Parke Creek road, $\frac{1}{2}$ mile north of U. S. Highway 10, and 5 miles northeast of Kittitas.	-	3-23-56	†186
Johnson Creek tributary	Johnson Canyon	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.17 N., R.21 E., at crest-gage, "near Kittitas."	-	3-23-56 3-18-57	42.8 42.3
Johnson Creek tributary No. 2	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.17 N., R.20 E., at Highline Canal, 0.6 mile upstream from mouth of Johnson Canyon Road and 5 miles southeast of Kittitas.	-	3-23-56	†17.4
Badger Creek tributary	Badger Creek	NE $\frac{1}{4}$ sec.24, T.16 N., R.20 E., $\frac{1}{2}$ mile upstream from mouth and 11 miles southwest of Kittitas.	-	3-23-56	†98.1

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Badger Creek tributary No. 2	Badger Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.16 N., R.20 E., at Pump ditch 9 miles southwest of Kittitas.	1.46	3-23-56	+34.5
Cherry Creek (also called Sow Creek)	Wilson Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.17 N., R.19 E., just above mouth.	213	10-16-11	7.54
Wilson Creek	Yakima River	SW $\frac{1}{4}$ sec.31, T.17 N., R.19 E., at mouth near Thrall.	382	8- 8-14 8-28-14 10-15-14 2-12-15 3- 5-15 3-16-15	121 144 215 155 397 288
Yakima River	Columbia River	SW $\frac{1}{4}$ sec.31, T.17 N., R.19 E., $\frac{1}{2}$ mile below Thrall.	1,586	8-21-10 9- 2-10 9-18-10	918 582 354
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.16 N., R.19 E., at gaging station "at Umtanum," (operated Aug. 1906 to 1960).	1,594		
Mpherson Canyon Creek	Yakima River	Near center of sec.33, T.16 N., R.19 E., at crest-stage gage, "at Wymer."	5.50	8-10-52 3-23-56 3-18-57 4-20-58 1959	304 88.0 70.4 52.7 53
Roza Creek	.....do.....	SW $\frac{1}{4}$ sec.7, T.15 N., R.19 E., 2 $\frac{1}{2}$ miles northwest of Roza and 10 miles north of Selah.	6.89	8-10-52	+23,600
Do.....	.....do.....	SE $\frac{1}{4}$ sec.17, T.15 N., R.19 E., about 1 mile above mouth, $\frac{1}{2}$ mile west of Roza and 9 miles north of Selah.	13.6	8-10-52	+25,200
Roza Canal	.....do.....	SE $\frac{1}{4}$ sec.29, T.12 N., R.20 E., at gaging station, "near Moxee City."	-		
Selah-Moxee Canal	.....do.....	SE $\frac{1}{4}$ sec.8, T.14 N., R.19 E., at gaging station "near Selah," (operated Oct. 1903 to Oct. 1904, July 1909 to Oct. 1911).	-	7- 5-05 8-11-05 9- 9-05 9-30-05 10-12-05	54.0 58.0 50.7 51.8 20.0
Selah Creek tributary	Selah Creek	In NE $\frac{1}{4}$ sec.25, T.14 N., R.19 E., at crest-stage gage, "near Yakima."	.68	3-23-56 3-18-57	1.8 2.4
Yakima River	Columbia River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.14 N., R.19 E., at Cascade Lumber Company bridge at dam at Pomona and $\frac{1}{2}$ mile above Wenas Creek.	1,903	8-22-10 9- 3-10 9-19-10	882 661 440
Wenas Creek	Yakima River	Sec.24, T.16 N., R.16 E., at Wenas.		5- 5-10	48.5
Do.....	.....do.....	E $\frac{1}{2}$ sec.3, T.15 N., R.17 E., $\frac{1}{2}$ mile above reservoir.	106	1-21-42 4- 6-42 5-11-42 6-28-42	6.49 171 26.4 9.34
Do.....	.....do.....	SW $\frac{1}{4}$ sec.2, T.15 N., R.17 E., below reservoir 6 miles southeast of Wenas.	114	1-21-42 4- 6-42 5-11-42 6-28-42	5.65 177 26.9 11.2
Cottonwood Creek	Wenas Creek	N $\frac{1}{2}$ sec.35, T.15 N., R.18 E., 6 miles north of Selah.	11.1	8-10-52	+12,800
Wenas Creek	Yakima River	NW $\frac{1}{4}$ sec.18, T.14 N., R.19 E., at gaging station, "near Selah," (operated Apr. to Dec. 1909).  (For other measurements in Wenas Creek see addendum).	192	3-30-09 4- 9-10 5- 5-09 9-13-10 10-18-10 11-15-10 5-27-11 8- 9-10 1-21-42 4- 6-42 5-11-42 6-28-42 8-10-52 9-12-58	74 38.9 6.6 2.4 4.5 6.2 8.0 2.5 11.3 111 3.57 3.47 +8,510 2.46
Taylor Canal	Yakima River (diverts from left bank)	NE $\frac{1}{4}$ sec.19, T.14 N., R.19 E., at intake at Pomona.		4- 6-10 4-30-10 5-25-10 6-21-10	10.4 14.3 27.9 13.5

† Peak flow.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Taylor Canal (cont.)	Yakima River	NE $\frac{1}{4}$ sec.19, T.14 N., R.19 E., at intake at Pomona.	-	7-19-10 8-22-10 9- 3-10 9-13-10 9-19-10 5- 2-11 5-27-11 7-18-11 8-24-11 9-18-11 10- 7-11	13.3 25.5 16.0 10.4 1.5 28.9 20.5 28.1 19.7 9.71 6.77
Do.....	.....do.....	SE $\frac{1}{4}$ sec.19, T.14 N., R.19 E., at gaging station "near Selah," (operated July 1909 to Oct. 1911).	-	8- 9-04 9-19-04 7- 5-05 8-18-05 9- 9-05 10-12-05 6-16-09	9.2 12.9 15.0 14.6 18.7 1.8 22.9
Yakima River	Columbia River	NW $\frac{1}{4}$ sec.12, T.13 N., R.18 E., at old abandoned bridge at gaging station "at Selah Gap near Yakima," (operated 1897 to 1912, fragmentary)	2,135	5-19-97 5-26-97 6-10-97 6-18-97 7- 3-97 7-10-97 7-17-97 7-29-97 8-13-97 7-21-03 9-16-03 5- 5-04 7-13-04 7-25-04 7-30-04 8-17-04 9- 1-04 8-22-10 9- 3-10 9-19-10 6-21-11 7-14-11 8-24-11 8-30-11 9-19-11 9-26-11 10-10-11 10-20-11 11- 2-11 7- 1-12 8- 5-12 8-14-12 9-12-12 10- 1-12	13,900 7,420 4,860 3,180 3,640 2,300 1,750 1,020 810 5,050 1,660 6,740 2,610 1,360 1,120 556 444 945 599 430 2,740 1,280 698 678 934 781 750 595 395 2,920 1,470 977 876 460
Little Naches River (formerly Naches River)	Yakima River	SE $\frac{1}{4}$ sec.30, T.18 N., R.14 E., 250 ft above Crow Creek, at Crow Creek guard station.	102	10-22-11	25
Crow Creek	Naches River	SE $\frac{1}{4}$ sec.30, T.18 N., R.14 E., 400 ft above mouth at Crow Creek guard station.	-	10-22-11	17.0
Little Naches River (formerly Naches River),	Yakima River	Sec.4, T.17 N., R.14 E., above Bumping River.	148	8-19-12	52.3
Bumping River	Naches River	NE $\frac{1}{4}$ sec.36, T.16 N., R.11 E., just above mouth at Bumping Lake.	26.6	9-16-11	1.94
Do.....	.....do.....	NE $\frac{1}{4}$ sec.23, T.16 N., R.12 E., at gaging station "near Nile," (operated July 1906, Apr. 1909 to 1960).	70.7	8-26-97 8-26-04 6-13-06 11- 4-06 12- 7-06	83 116 352 6,000 407
Do.....	.....do.....	SW $\frac{1}{4}$ sec.5, T.16 N., R.13 E., 3 miles below Bumping Lake near Nile.	88.1	6-21-07 8-29-07	840 73
American River	Bumping River	Sec.22, T.17 N., R.12 E., at Pleasant Valley.	63.0	8-19-12	75.5

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
American River tributary	American River	NW $\frac{1}{4}$ sec.17, T.17 N., R.13 E., at crest-stage gage, "near Nile."	1.10	6-12-55 5-31-56 5-18-57 5-23-58 6- 5-59 6- 9-59 4- 8-60	16.0 36.3 22.0 22.2 12 #7.55 11
American River	Bumping River	NW $\frac{1}{4}$ sec.12, T.17 N., R.13 E., at gaging station "near Nile," (operated Apr. 1909 to Mar. 1912, July to Sept. 1914, June to Sept. 1915, Oct. 1939 to 1960).	79.1	8-27-04 8-30-07 8-18-12 7- 1-13 7-25-13 6-26-14 10-13-14 4-22-15 5-14-15	109 62 83.1 764 441 367 109 476 338
Gold Creek	Naches River	NW $\frac{1}{4}$ sec.36, T.17 N., R.14 E., at mouth, $\frac{1}{2}$ mile south of Edgar Rock.	7.18	9-30-10	.74
Naches River	Yakima River	SE $\frac{1}{4}$ sec.35, T.17 N., R.14 E., at gaging station "at Anderson Ranch near Nile," (operated May 1909 to Sept. 1914).	394	4-24-09 10-13-14	1,130 338
Rock Creek	Naches River	NE $\frac{1}{4}$ sec.17, T.16 N., R.15 E., at mouth.	17.5	9-30-10 8-29-11	1.40 2.02
Nile Springs	.....do.....	SW $\frac{1}{4}$ sec.34, T.16 N., R.15 E., 100 ft above mouth and 1 mile northwest of Nile post office.	-	9-11-57 8-13-58	3.74 2.26
Rattlesnake Creek	.....do.....	NE $\frac{1}{4}$ sec.10, T.15 N., R.14 E., $6\frac{1}{2}$ miles southwest of Nile post office.	91.2	5-27-48	#1,810
Little Rattlesnake Creek	.....do.....	SW $\frac{1}{4}$ sec.3, T.15 N., R.15 E., at mouth 1 mile southwest of Nile post office.	25.6	8-29-11	7.16
Rattlesnake Creek	.....do.....	SE $\frac{1}{4}$ sec.3, T.15 N., R.15 E., at highway bridge near mouth. (Operated by USBR May to Oct. 1922, Jan. to Aug. 1923).	134	8-29-04 6-16-10 9-30-10 10-21-11 5-24-22 6-13-22 6-29-22 8- 3-22 8-28-22 9-28-22 1-23-23 2-27-23 5-29-23 8- 1-23 9- 5-23	55 482 26.8 33.5 480 545 277 42.3 22.4 18.9 138 80.2 459 77.8 24.5
Naches River	Yakima River	NW $\frac{1}{4}$ sec.34, T.15 N., R.16 E., at gaging station "at Oak Flat near Nile," (operated July 1904 to Oct. 1917).	641	6-25-04 11- 3-17	2,150 182
City of Yakima Oak Flat diversion	Naches River (diverts from left bank)	NW $\frac{1}{4}$ sec.34, T.15 N., R.16 E., at gaging station, "near Naches." (Records available in files of USBR, Yakima, Washington).	-		
Selah Valley canal	.....do.....	NW $\frac{1}{4}$ sec.35, T.15 N., R.16 E., at gaging station "near Naches," (operated 1904, 1909 to 1915, 1920 to 1960).	-	6-21-05 7-18-05 8- 3-05 9- 5-05 10-10-05	66.5 84.1 83.0 21.0 25.6
North Fork Tieton River	Tieton River	Sec.12, T.13 N., R.12 E., at gaging station "below Clear Creek near Naches," (operated May to Sept. 1914, July to Aug. 1915).	61.4	9-10-15 8-13-18 9- 8-13 8-14-19 9- 3-19 9-27-19 7-27-20 9-24-20 9-11-58	168 154 220 182 233 205 218 219 165
Tieton River	Naches River	NE $\frac{1}{4}$ sec.31, T.14 N., R.14 E., at gaging station "at Tieton Dam near Naches," (operated Aug. 1908 to Dec. 1912, June to Sept. 1914, June 1918 to Mar. 1921, Apr. 1925 to 1960).	189		

\* Discharge measurement.

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Wildcat Creek	Tieton River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.14 N., R.14 E., at road crossing at Rimrock.	17.2	7- 9-19	8.62
Hause Creek	.....do.....	NE $\frac{1}{4}$ sec.28, T.14 N., R.14 E., at crest-stage gage, "near Rimrock."	3.91	2- 8-55 5-20-56 10-10-56 4-20-58 1959 12-15-59	17.3 45.5 20.8 17.0 23 16.5
Pine Creek	.....do.....	NE $\frac{1}{4}$ sec.28, T.14 N., R.14 E., at crossing of State Highway 5 at Tieton ranger station.	1.68	8-13-58	.80
Tieton Canal	Tieton River (diverts from right bank)	SW $\frac{1}{4}$ sec.30, T.14 N., R.15 E., at gaging station "near Naches," (operated 1910 to 1960).			
Tieton River	Naches River	SW $\frac{1}{4}$ sec.30, T.14 N., R.15 E., at gaging station, "at headworks of Tieton Canal near Naches," (operated Apr. 1906 to 1960).	239		
Do.....	.....do.....	NE $\frac{1}{4}$ sec.10, T.14 N., R.16 E., at gaging station, "above and below Oak Creek near Naches" (operated Apr. 1902 to Sept. 1913).	264	10- 7-13 12- 2-13 12-11-13 5-28-14 6- 2-14 6-18-14 7-18-14 8-29-14 11-20-14 12- 1-14	190 257 240 786 1,530 1,050 328 123 348 322
Oak Creek	Tieton River	NE $\frac{1}{4}$ sec.10, T.14 N., R.16 E., at mouth.	30.6	3- 8-06 3-23-07 5- 6-07 8-21-07	13 28 136 1.5
Naches River	Yakima River	NW $\frac{1}{4}$ sec.9, T.13 N., R.18 E., at Nelson's bridge $4\frac{1}{2}$ miles above mouth.	976	11-21-94	1,200
Tetherow Gulch	North Fork Cowiche Creek	Sec.19, T.14 N., R.17 E., at road crossing.	-	2-23-07	10
Schuler Gulch	.....do.....	Sec.19, T.14 N., R.17 E., at road crossing.	-	2-23-07	7.3
Road Gulch	.....do.....	At Blair's homestead.	-	2-23-07 2-24-07	7.2 30
North Fork Cowiche Creek	Cowiche Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.14 N., R.17 E., near Cowiche.	11.8	4-18-06 2-24-07 11-11-07	2.7 83 .9
South Fork Cowiche Creek	.....do.....	Just above head of Cowiche canal.	-	4-18-06 9- 1-06 2-24-07 11-11-07	64 .71 288 2.6
Cowiche Creek	Naches River	Just below the head of Cowiche canal.	-	6- 3-06	37
Naches River	Yakima River	Near center sec.12, T.13 N., R.18 E., at gaging station "near Yakima," (operated Aug. to Dec. 1896, Jan. 1898 to Mar. 1915).	1,106	8-14-93 8-16-95 12- 2-95 2-13-96 7-25-96 8-24-96 10-21-96 6-10-97 6-18-97 7-29-97 9-22-97 11-15-97 2-17-98 3- 4-98 5- 2-98 6- 3-98 7- 6-98 7-25-98 8-15-98 8-23-98 9- 7-98 5- 4-99 5-12-99 5-26-99	1,190 466 349 664 2,050 504 335 3,180 1,990 781 385 1,500 6,430 2,390 5,060 3,020 2,520 1,100 501 505 386 1,850 5,430 6,750



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Naches River (cont.)	Yakima River	Near center sec.12, T.13 N., R.18 E., at gaging station, "near Yakima."		7-27-99 8-16-99 9-20-99	2,860 1,360 588
Wide Hollow Creek	.....do.....	NW $\frac{1}{4}$ sec.8, T.12 N., R.19 E., at U. S. Highway 97 at Union Gap. (Operated by USBR Apr. 1911 to Mar. 1915, Apr. 1922 to Dec. 1927).	64.8	7- 2-04 8- 1-04 6- 3-07 7- 8-10 8-24-10 9- 6-10 9-20-10 4- 7-11 5-19-11 5-29-11 7-25-11 9-25-11 4-15-12 5- 9-12 5-20-12 6- 3-12 6-17-12 7-31-12 8- 3-12 8- 8-12 8-22-12 10-18-12 1-10-13 3-21-13 7- 8-13 7-18-13 8- 7-13 8-12-13 8-25-13 10-26-13 4-22-14 5-26-14 6-20-14 9-15-14 3-22-15 4-26-22 5-12-22 5-24-22 6-15-22 6-29-22 7-15-22 7-31-22 8-11-22 9- 6-22 12-23-22 2- 5-23 5-18-23 7- 3-23 8-15-23 3- 4-24 4-17-24 5-21-24 7-18-24 8-20-24 9-18-24 10-11-24 12-11-24 5-24-25 6-12-25 7-13-25 8-10-25 8-31-25 10- 1-25 11- 9-25 1- 5-26 2- 3-26 4-10-26 5-10-26 6- 3-26 7- 8-26 7-14-26 7-25-26 8-26-26 2-26-27 4- 6-27 5- 2-27 5-11-27 6- 6-27 6-16-27 7-12-27 8-10-27	44 28 71 32.3 27.5 31.3 32.4 8.36 15.8 28.2 16.3 27.1 12.4 24.4 47.3 45.3 48.0 35.5 42.7 28.5 41.2 30.3 17.0 12.5 23.7 29.4 20.9 18.3 27.9 46.7 24.7 48.6 26.7 53.5 15.3 19.5 19.1 34.0 38.6 27.2 19.9 34.8 36.4 49.8 16.7 14.0 44.3 26.6 40.1 13.2 21.5 24.9 30.1 41.8 35.7 29.7 17.6 27.4 35.5 20.1 22.1 24.9 41.3 23.3 15.4 14.3 17.4 26.6 38.7 20.6 11.7 20.6 19.7 64.5 26.9 28.4 35.5 41.3 38.5 26.2 19.4

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq. mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Wide Hollow Creek (cont.)	Yakima River	NW $\frac{1}{4}$ sec. 8, T.12 N., R.19 E., at U. S. Highway 97 at Union Gap.		8-29-27	36.4
				9-13-27	46.8
				10- 6-27	41.6
				10-29-27	22.0
				12-19-27	21.8
				2- 6-28	21.8
				3- 8-28	15.1
				4- 5-28	19.7
				5- 3-28	29.4
				5-21-28	25.0
				6-15-28	36.8
				7-27-28	18.9
				8-29-28	35.8
				10- 5-28	39.8
				10- 6-28	40.8
				10-17-28	28.8
				3-14-29	21.6
				4-12-29	22.2
				5-10-29	36.5
				5-31-29	43.5
				7-16-29	19.5
				8-15-29	26.3
				9-17-29	35.3
				10- 9-29	39.2
				10-23-29	32.5
				3-26-30	13.4
				5-15-30	34.8
				6- 5-30	52.9
				7- 2-30	45.1
				7-29-30	27.6
				8-27-30	33.6
				9-15-30	44.8
				10- 2-30	43.7
10-23-30	34.4				
12-10-30	18.9				
3-18-31	16.8				
5- 1-31	16.7				
6- 2-31	22.0				
6-17-31	43.8				
7- 8-31	39.1				
7-30-31	24.9				
8-13-31	27.9				
8-31-31	30.4				
9-23-31	47.8				
10-16-31	26.1				
1- 6-32	18.8				
3- 4-32	36.8				
3-30-32	29.3				
4-12-32	24.4				
5-10-32	34.9				
5-31-32	50.8				
6-24-32	37.7				
7-11-32	33.4				
8- 2-32	25.7				
8-24-32	43.3				
9- 9-32	43.6				
9-29-32	49.3				
10-24-32	36.6				
12- 7-32	18.8				
1-11-33	18.6				
3-13-33	13.1				
North Fork Ahtanum Creek	Ahtanum Creek	NW $\frac{1}{4}$ sec. 2, T.12 N., R.15 E., at gaging station "near Tampico," (operated Aug. 1907 to 1960). No winter records 1908 to 1909, 1916 to 1930.	68.9	11- 2-08	26
				3- 5-17	20.6
				12-16-17	56.5
				4-14-18	101
				4- 6-19	126
				3-28-20	29.4
				3-29-20	28.3
				4-17-22	45
				6-29-23	124
				10-17-23	32.5
				10-17-23	30.6
				4-21-24	76.6
				4-24-24	81.5
10-23-24	12.4				
Do.....	.....do.....	Sec.12, T.12 N., R.15 E., near Tampico.	72.2	8-24-00	24
Do.....	.....do.....	NE $\frac{1}{4}$ sec.18, T.12 N., R.16 E., at Tampico.	75.4	8-15-00	17
				4-19-06	190
				8-28-06	20
				8-29-06	17

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
South Fork Ahtanum Creek	Ahtanum Creek	Sec.32, T.12 N., R.15 E., near Tampico	16.5	8-24-00	9
Do.....	.....do.....	SW $\frac{1}{4}$ sec.23, T.12 N., R.15 E., at gaging station "at Conrad Ranch, near Tampico," (operated Mar. 1915 to 1960). No winter records prior to 1931 water year.	24.8	8-15-07 3-16-15 11-13-15 5- 8-16 3- 5-17 12-16-17 4-15-18 3-28-20 3-28-20 10-18-23 4-21-24 4-24-24	16 33.1 5.08 84.7 6.85 11.4 27.1 10.7 10.4 8.88 18.0 21.4
Do.....	.....do.....	NE $\frac{1}{4}$ sec.24, T.12 N., R.15 E., at gaging station "near Tampico," (operated May 1908 to Oct. 1914).	28.5	8-27-07	10
Do.....	.....do.....	SW $\frac{1}{4}$ sec.18, T.12 N., R.16 E., one mile above Tampico.	30.5	4-20-06 8-29-06	54 8.6
Ahtanum Creek	Yakima River	SE $\frac{1}{4}$ sec.16, T.12 N., R.16 E., 2 $\frac{1}{2}$ miles below Tampico.	115	4-20-06 8-28-06	207 7.6
Do.....	.....do.....	NE $\frac{1}{4}$ sec.15, T.12 N., R.16 E., at gaging station "at The Narrows, near Tampico," (operated July 1908 to Sept. 1913, Aug. to Dec. 1960).	119	8-29-06 6- 1-08 11-20-57 6-12-59	20 192 21.5 179
Main Ahtanum canal	Ahtanum Creek (diverts from right bank)	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.12 N., R.16 E., at headworks, 7 miles west of Wiley City.	-	6-15-57 6-15-57 10-13-57 6-13-58 7- 2-58 5-19-59 6- 9-60 7-11-60 8- 3-60	78.5 30.3 9.9 80.1 34.5 74.0 71.2 27.5 14.2
Ahtanum Creek	Yakima River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.12 N., R.16 E., below main canal 7 miles west of Wiley City.	122	11-20-57	13.0
Hatton Creek	Ahtanum Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.12 N., R.17 E., below head-works 5 miles west of Wiley City.	-	4-15-57 4-16-57 4-16-57 4-16-57 4-16-57 4-16-57 6-15-57 6-18-57 7- 2-57 8-16-57 9-18-57 10-13-57 10-21-57 11-20-57 4-18-58 6-12-58 9-23-59 6- 9-60 6- 9-60 7-11-60 8- 3-60	48.4 40.5 27.9 23.5 19.5 15.6 6.59 15.1 19.1 22.8 11.8 7.65 6.66 3.98 7.66 45.8 38.0 10.9 21.6 29.0 19.0 15.9
Ahtanum Creek	Yakima River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.12 N., R.17 E., 200 ft below Hatton Creek and 5 miles west of Wiley City.	-	10-21-57 11-20-57	3.22 4.85
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.12 N., R.17 E., 100 ft below Lynch Road crossing above Batchelor Creek and 4 $\frac{1}{2}$ miles west of Wiley City.	-	10-21-57	7.28
Batchelor Creek	Diverts from Ahtanum Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.12 N., R.17 E., below head-works 4 $\frac{1}{2}$ miles west of Wiley City.	-	4-16-57 4-16-57 4-16-57 4-16-57 6-18-57 6-18-57 8-16-57 8-16-57 9-18-57 10-13-57 11-20-57	79.8 66.4 44.2 33.3 37.0 24.1 40.6 3.76 5.10 3.98 1.57

## UPPER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Batchelor Creek (cont.)	Ahtanum Creek (diverts from)	SE $\frac{1}{4}$ NE $\frac{1}{2}$ sec.16, T.12 N., R.17 E., below headworks 4 $\frac{1}{2}$ miles west of Wiley City.	-	4-18-58	28.0
			-	6-12-58	46.6
			-	7- 2-58	13.1
			-	5-18-59	23.4
			-	5-18-59	50.1
			-	5-18-59	56.3
			-	5-19-59	44.2
			-	5-19-59	10.5
			-	5-19-59	4.88
			-	6- 8-60	17.3
			-	6- 8-60	11.3
			-	6- 8-60	8.68
			-	6- 8-60	5.65
			-	6- 8-60	8.24
			-	6- 8-60	12.7
			-	6- 8-60	18.9
-	6- 8-60	10.5			
-	7-11-60	5.63			
-	8- 3-60	6.25			
Batchelor Creek (formerly Spring Creek)	Ahtanum Creek	SE $\frac{1}{4}$ NW $\frac{1}{2}$ sec.1, T.12 N., R.18 E., at Lower Ahtanum Road bridge, 2 miles south of Yakima.	-	6-13-58	47.8
			-	8-11-58	3.45
Ahtanum Creek	Yakima River	SE $\frac{1}{4}$ NE $\frac{1}{2}$ sec.13, T.12 N., R.16 E., 150 ft below Batchelor Creek diversion and 4 $\frac{1}{2}$ miles west of Wiley City.	-	11-20-57	11.9
Do.....	.....do.....	Center sec.17, T.12 N., R.17 E., 200 ft below Carson Road crossing and 3 $\frac{1}{2}$ miles west of Wiley City.	-	10-21-57	6.10
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{2}$ sec.16, T.12 N., R.17 E., $\frac{1}{2}$ mile east of Carson Road and 3 miles southwest of Wiley City.	-	10-21-57	6.59
Do.....	.....do.....	500 ft north of E $\frac{1}{4}$ corner sec.16, T.12 N., R.17 E., and 2 $\frac{1}{2}$ miles southwest of Wiley City.	-	10-21-57	5.41
Do.....	.....do.....	1,000 ft north of center sec.15, T.12 N., R.17 E., 50 ft above county road bridge and 2 miles southwest of Wiley City.	-	10-22-57	4.00
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{2}$ sec.14, T.12 N., R.17 E., 1 $\frac{1}{2}$ miles southwest of Wiley City.	-	10-22-57	2.29
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{2}$ sec.13, T.12 N., R.17 E., 100 ft below county road bridge and 1 mile south of Wiley City.	-	10-22-57	2.56
Lower Ahtanum canal	Ahtanum Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.12 N., R.17 E., 100 ft below headworks and 1 $\frac{1}{2}$ miles southeast of Wiley City.	-	9-18-58	1.6
Ahtanum Creek	Yakima River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.12 N., R.18 E., at south 16th Avenue bridge 2 $\frac{1}{2}$ miles south of Yakima.	-	6-18-57	20.3
			-	6-13-58	90.2
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{2}$ sec.8, T.12 N., R.19 E., at gaging station "at Union Gap," (operated May to Nov. 1904, Sept. 1907 to July 1908, Mar. to Oct. 1910, Apr. 1911 to Sept. 1914, May 1951 to Apr. 1953, Aug. to Dec. 1960).	173	6- 3-07	424
				8- 6-07	14
				8-24-07	14
				9-16-08	10.4
				1-25-09	48
				3-13-09	101
				5- 5-09	82
				6-14-09	20.5
				9-24-09	10.8
				6- 3-44	28.1
Yakima River	Columbia River	NW $\frac{1}{4}$ sec.17, T.12 N., R.19 E., at gaging station "at Union Gap," (operated Aug. 1896 to Sept. 1919).	3,652	8-14-93	2,960
				9-26-93	1,190
				11-25-94	5,030
				8-19-95	1,070
				11-18-95	1,890
				1- 8-96	3,890
				7-28-96	3,020
				9-29-98	1,730
				9-10-10	792
Union Gap canal	Yakima River (diverts from left side)	NW $\frac{1}{4}$ sec.17, T.13 N., R.19 E., at intake $\frac{1}{2}$ mile northeast of Yakima.	-	8- 1-49	67.7

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Union Gap canal	Yakima River (diverts from left side)	NE $\frac{1}{4}$ sec.17, T.12 N., R.19 E., at entrance to Union Gap, 1 mile southeast of town of Union Gap.		4-21-32	32.8
				6-21-32	42.8
				10-10-32	21.3
				4-27-33	39.2
				5-13-33	41.6
				6- 3-33	38.9
				9-30-33	24.1
				3-17-34	16.2
				5- 3-34	41.0
				6-25-34	40.3
				9-17-34	10.3
				4-22-35	38.9
				6-11-35	44.5
				10-10-35	18.5
				4-14-36	29.6
				5- 5-36	40.8
				6-12-36	42.9
				7-31-36	42.3
				5-14-37	42.5
				7-30-37	33.6
				9-18-37	25.9
				5-20-38	41.3
				10-25-38	5.40
				5- 3-39	41.0
				6- 5-39	43.0
				8-26-39	39.6
				4-22-40	41.8
				5-31-40	33.7
				8-10-40	39.6
				10-26-40	0
				4- 2-41	24.5
				5-19-41	44.6
				7-12-41	40.2
				9-20-41	26.2
				6-24-42	35.7
				4-30-43	26.7
				6-26-43	41.5
				8-12-43	35.9
				11-27-43	0
				4-12-44	24.4
				5-12-44	38.5
				6- 2-44	37.5
				6-16-44	37.4
				8-13-44	37.0
				10- 5-44	12.8
				11-23-44	0
				1-16-45	0
4-20-45	26.1				
5- 6-45	40.1				
8-20-45	33.7				
10- 2-45	21.0				
11-29-45	0				
4-12-46	20.2				
6- 5-46	39.6				
8- 5-46	41.8				
9-26-46	17.3				
4-19-47	23.5				
6- 4-47	35.9				
9- 3-47	33.7				
4-19-48	26.6				
6- 6-48	30.0				
7-31-48	42.3				
9- 7-48	30.3				
10-12-48	14.1				
5- 2-49	30.5				
6-13-49	35.8				
8- 1-49	41.8				
10-14-49	1.09				
4-11-50	21.8				
5-22-50	38.0				
8-17-50	42.9				
4-12-50	29.2				
8-16-51	36.2				
6-16-55	38.6				
New Reservation canal	.....do.....	NW $\frac{1}{4}$ sec.20, T.12 N., R.19 E., at gaging station "near Parker," (operated 1904 to 1960).	-		
Old Reservation canal	.....do.....	SW $\frac{1}{4}$ sec.28, T.12 N., R.19 E., at gaging station "near Parker," (operated 1904 to 1960).	-		

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Wanity Slough (formerly Juanita Slough)	Yakima River	SW $\frac{1}{4}$ sec.28, T.12 N., R.19 E., below intake.	-	4-18-17	111
				4-22-17	121
				4-28-17	205
				5- 9-17	238
				5-17-17	195
				6- 1-17	281
				6-18-17	295
				7-11-17	184
				7-25-17	31.4
				7-26-17	60.1
				7-31-17	91.7
				8- 9-17	158
				8-13-17	167
				8-21-17	135
				8-27-17	163
				8-27-17	138
				9- 4-17	132
				9-12-17	120
				9-25-17	49.4
				10- 4-17	28.5
				10- 6-17	18.7
				10-11-17	0
				4- 9-18	44.5
				5-13-18	114
				6- 8-18	256
				6-14-18	259
				6-28-18	97.5
				7-10-18	135
				7-25-18	5.69
				5- 2-19	210
				5-25-19	236
				5-28-19	262
				6- 3-19	218
				6- 4-19	176
				6-14-19	63.0
				7-23-19	8.58
8-13-19	69.9				
8-18-19	38.4				
9- 2-19	59.4				
9- 5-19	15.9				
9-12-19	62.7				
10-18-19	78.7				
4- 2-20	11.8				
4-10-20	5.43				
4-23-20	38.6				
5-12-20	192				
6- 3-20	69.2				
6-18-20	173				
7- 7-20	0				
7-23-20	33.6				
9-17-20	27.7				
10-30-20	23.2				
4-12-21	104				
5- 3-21	107				
5-13-21	170				
5-28-21	244				
7- 5-21	19.8				
7-19-21	0				
Sunnyside canal	Yakima River (diverts from right bank)	SW $\frac{1}{4}$ sec.27, T.12 N., R.19 E., at gaging station "near Parker," (operated May 1908 to 1960).	-		
Yakima River	Columbia River	SE $\frac{1}{4}$ sec.28, T.12 N., R.19 E., at gaging station "near Parker," (operated May 1908 to 1960).	3,660	8- 3-06	45
Reservation drain (also called Main drain)	Yakima River	Sec.29, T.10 N., R.21 E., at gaging station "at Alfalfa," (operated Dec. 1912 to Sept. 1923). Operated by Bureau of Indian Affairs 1923 to 1960.	-	5-16-11	32.0
				8-23-11	24.9
				9-26-11	30.8
				10-12-11	27.2
				3-21-12	177
				3-27-12	64.5
				5-26-12	32.7
				2-15-49	194
				6-20-50	966
				12-24-55	†1,020
5-28-56	†1,170				
Toppenish Creek	Yakima River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.10 N., R.16 E., at gaging station "near Fort Simcoe," (operated Mar. 1909 to Sept. 1924). Station operated by Bureau of Indian Affairs, 1924 to 1960.	122	2-27-09	112
				2-27-09	115

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Spring Creek	Simcoe Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.11 N., R.16 E., at mouth near Simcoe Creek gage.	1.37	5- 4-15 8-19-15 11-21-15 8-14-20	1.49 .68 .55 .15
Simcoe Creek	Toppenish Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.11 N., R.16 E., at gaging station "below Spring Creek, near Fort Simcoe," (operated Mar. 1909 to Sept. 1923). Prior to Nov. 1915 gage located just above Spring Creek.	81.5	2-28-09 5-25-32 3-14-40 3-25-40	55 11.9 47.8 83.9
Toppenish Creek	Yakima River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.10 N., R.18 E., at gaging station "near White Swan," (operated Apr. 1909 to Sept. 1911).	370	3-10-09 10- 7-11 3-25-12 5-31-12 8-27-12	146 14.6 96.4 89.6 10.9
Do.....	.....do.....	NE $\frac{1}{4}$ sec.36, T.10 N., R.19 E., at crossing of old Goldendale Road 5 miles southwest of Toppenish.	557	10-31-08 11-19-08 3- 4-09	65 69 210
Toppenish Creek tributary	Toppenish Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.9 N., R.20 E., (crest-stage gage "near Toppenish").	1.24	12-21-55	32.6
Toppenish Creek	Yakima River	NE $\frac{1}{4}$ sec.32, T.10 N., R.21 E., at gaging station "at Alfalfa," (operated Mar. 1909 to Sept. 1912). Operated May 1932 to Dec. 1960 by Bureau of Indian Affairs.	625	12- 5-12	54.6
Shenando Creek tributary	Shenando Creek	SE $\frac{1}{4}$ Sec.14, T.6 N., R.17 E., (crest-stage gage "near Goldendale").	.32	12-21-55 3-15-57 2-15-58	11.0 4.6 4.6
Shenando Creek	Satus Creek	Center of W $\frac{1}{2}$ sec.12, T.6 N., R.17 E., (crest-stage gage "near Goldendale").	7.94	1- 9-53 4-13-55 12-21-55 3-15-57 2-15-58 1- 2-59	287 35.3 281 148 71.7 109
Satus Creek tributary	.....do.....	SW $\frac{1}{4}$ sec.15, T.7 N., R.18 E., at U. S. Highway 97, 23 miles southwest of Toppenish.	8.54	1- 9-53 12-21-55	†756 †955
Satus Creek	Yakima River	NW $\frac{1}{4}$ sec.15, T.7 N., R.18 E., 200 ft below crossing of U.S. Highway 97, 4 miles below Bull Creek, 23 miles southwest of Toppenish.	97.9	12-21-55	†6,020
Dry Creek	Satus Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.9 N., R.19 E., at U.S. Highway 97. (Twelve discharge measurements made by Bureau of Indian Affairs 1943 to 1955).	-	5-25-12	7.0
Do.....	Yakima River	NW $\frac{1}{4}$ sec.26, T.9 N., R.19 E., at gaging station "near Toppenish," (operated Dec. 1908 to June 1913). Operated by Bureau of Indian Affairs May 1931 to Dec. 1960.	-	11- 8-08 11-19-08 1- 9-53	30 34 †9,950
Satus Creek	.....do.....	Sec.24, T.9 N., R.19 E., at gaging station "below Dry Creek, near Toppenish," (operated July 1913 to Sept. 1924). Operated by Bureau of Indian Affairs Oct. 1924 to Dec. 1960.	435	6-22-13 10-11-24 12-10-24	96.8 9.61 51.2
Yakima River tributary	.....do.....	SE $\frac{1}{4}$ sec.21, T.11 N., R.23 E., (crest-stage gage "near Sunnyside").	1.86	8-20-54 2-23-56 - -57	264 65.4 10
Yakima River	Columbia River	SE $\frac{1}{4}$ sec.34, T.9 N., R.23 E., at gaging station "near Mabton," (operated 1911 to 1914, fragmentary).	5,400	8-10-10 6-26-11 10- 3-11 7-27-12 10-23-12 4- 5-13 12- 6-13	323 3,540 861 663 1,130 3,740 3,030
Do.....	.....do.....	SE $\frac{1}{4}$ sec.36, T.9 N., R.24 E., at gaging station "near Prosser," (operated Apr. to Sept. 1904, June 1905 to Sept. 1906, Sept. 1913 to Jan. 1933).	5,453	11-17-06 8- 8-13 8-26-13	2,800 776 486
Do.....	.....do.....	NW $\frac{1}{4}$ sec.33, T.9 N., R.25 E., 3 $\frac{1}{2}$ miles below Prosser.	5,467	9-11-08	741
Do.....	.....do.....	Sec.26, T.9 N., R.25 E., at Gibbon.	-	9-11-08	683
Do.....	.....do.....	Sec.17, T.9 N., R.26 E., at Chandler.	-	9-10-08	656

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Yakima River basin--Continued					
Yakima River	Columbia River	Sec.11, T.9 N., R.26 E., opposite end of Lower Kiona flume 3 miles above Kiona.	5,609	9-10-08	608
Do.....	.....do.....	Sec.19, T.9 N., R.27 E., at gaging station "at Kiona," (operated Aug. 1896 to 1960).	5,612	8-20-95 7-30-96	954 3,630
Webber Canyon	Yakima River	NE $\frac{1}{4}$ sec.17, T.8 N., R.27 E., (crest-stage gage "near Kiona").	2.88	2-21-56 2-26-57	154 18.3
Yakima River tributary	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.9 N., R.27 E., (crest-stage gage "near Kiona").	3.35	1955 to 1960	< 2
Yakima River	Columbia River	Sec.24, T.9 N., R.28 E., at gaging station "near Richland," (operated 1906, 1909 to 1911, fragmentary).	6,155	7-28-06 8-17-06 10-13-06 8-13-07 7-31-11	175 29 195 199 221
Esquatzel Coulee basin					
Providence Coulee tributary	Providence Coulee	On line between sec.33 and 34, T.17 N., R.33 E., at county road crossing 4.3 miles southwest of Lind.	.15	5- 8-56	†24.0
Providence Coulee	Esquatzel Coulee	SE $\frac{1}{4}$ sec.1, T.16 N., R.32 E., at county road crossing, 6 $\frac{1}{2}$ miles northeast of Cunningham, and 7.2 miles southwest of Lind.	6.91	2-21-56	†2,800
Providence Coulee tributary No. 2	Providence Coulee	S $\frac{1}{2}$ sec.12, T.16 N., R.32 E., at county road crossing, 1.4 miles northeast of Beatrice, and 5 $\frac{1}{2}$ miles northeast of Cunningham.	.58	2-21-56	†88.6
Providence Coulee tributary No. 3	.....do.....	NE $\frac{1}{4}$ sec.22, T.16 N., R.32 E., at county road crossing, 1 $\frac{1}{2}$ miles south of Beatrice, and about 3 miles northeast of Cunningham.	3.79	2-21-56	†667
Providence Coulee	Esquatzel Coulee	NW $\frac{1}{4}$ sec.4, T.15 N., R.32 E., at gaging station "at Cunningham," (operated Jan. 1953 to 1960).	27.2		
Providence Coulee tributary No. 4	Providence Coulee	Near center of sec.10, T.16 N., R.33 E., 6 miles southwest of Lind.	3.24	5- 8-56	†4,860
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.15 N., R.32 E., about $\frac{1}{2}$ mile southeast of Cunningham, 0.8 mile upstream from mouth.	21.7	5- 8-56	†2,730
Do.....	.....do.....	E $\frac{1}{2}$ sec.4, T.15 N., R.32 E., at old rock pit, 0.5 mile upstream from mouth, and 0.5 mile southeast of Cunningham.	21.9	2-21-56	†1,770
Providence Coulee tributary No. 5	.....do.....	NW $\frac{1}{4}$ sec.9, T.15 N., R.32 E., just upstream from mouth and 1.3 miles south of Cunningham.	.90	2-21-56	†169
Providence Coulee tributary No. 6	.....do.....	SW $\frac{1}{4}$ sec.17, T.15 N., R.32 E., 0.2 mile upstream from mouth and at north edge of Hatton.	3.02	2- 7-55 2-21-56	†8.5 †76.2
Hatton Coulee tributary No. 3	Hatton Coulee	NE $\frac{1}{4}$ sec.13, T.16 N., R.33 E., 0.8 mile upstream from mouth, 6 $\frac{1}{2}$ miles south of Lind, and 10 miles northeast of Cunningham.	-	2-21-56	†117
Hatton Coulee tributary No. 4	Hatton Coulee tributary No. 2	On line between sec.31, T.16 N., R.33 E., and sec.6, T.15 N., R.33 E., 0.2 mile upstream from mouth, 0.8 mile upstream from Hatton Coulee.	-	2-21-56	†112
Hatton Coulee tributary	Hatton Coulee	NE $\frac{1}{4}$ sec.28, T.15 N., R.32 E., (crest-stage gage "near Hatton").	3.71	2-21-56 2-24-57	186 17
Hatton Coulee	Providence Coulee	E $\frac{1}{2}$ sec.29, T.15 N., R.32 E., 0.5 mile upstream from mouth and 1.4 miles south of Hatton.	49.5	2-21-56	†1,120
Kansas No. 3	.....do.....	On line between secs.10 and 11, T.15 N., R.31 E., at county road 3 $\frac{1}{2}$ miles northwest of Hatton.	13.5	2-21-56	†877
Do.....	.....do.....	On line between secs.5 and 8, T.14 N., R.31 E., at county road, 6 miles northwest of Connell.	34.4	2-21-56	†1,180
Providence Coulee tributary No. 7	.....do.....	On corner of sec.7, 8, 17, and 18, T.14 N., R.31 E., at county road 2 miles above mouth and 3 $\frac{1}{2}$ miles northeast of Connell.	52.5	2-21-56 5- 8-56	†929 †830

† Peak flow.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Esquatzel Coulee basin--Continued					
Providence Coulee	Esquatzel Coulee	NE $\frac{1}{4}$ sec.25, T.14 N., R.31 E., 1.2 miles upstream from USGS gage in Connell.	227	2-21-56	+5,570
Providence Coulee tributary No. 8	Providence Coulee	NW $\frac{1}{4}$ sec.28, T.14 N., R.32 E., 2 $\frac{1}{2}$ miles east of Connell.	2.93	5- 8-56	+3,720
Do.....	.....do.....	SW $\frac{1}{4}$ sec.30, T.14 N., R.32 E., 0.4 mile east of U.S. Highway 395 at Connell, and about 0.4 mile below an earth-fill dam.	5.45	2-21-56 5- 8-56	+30 +260
Esquatzel Coulee	Pasco Sump	NE $\frac{1}{4}$ sec.36, T.14 N., R.31 E., at gaging station "at Connell," (operated Jan. 1953 to Aug. 1959).	234		
Do.....	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.14 N., R.31 E., at gaging station "at Connell," (operated Aug. 1959 to 1960).	-	2-16-49	+1,760
Hardesty Coulee	Sulphur Lake	Near center sec.32, T.14 N., R.33 E., 1.3 miles north of Sulphur Lake and 7 $\frac{1}{2}$ miles east of Connell.	9.79	2-21-56	+105
Rattlesnake Canyon	Washtuena Coulee	On line between secs.23 and 26, T.16 N., R.34 E., at county road, 9 $\frac{1}{2}$ miles southeast of Lind.	14.3	2-21-56	+1,380
Do.....	.....do.....	SE $\frac{1}{4}$ sec.33, T.14 N., R.32 E., 2.7 miles east of Connell.	117	2-21-56	+1,350
Esquatzel Coulee	Pasco Sump	NE $\frac{1}{4}$ sec.35, T.13 N., R.30 E., 0.2 mile downstream from road crossing at south edge of Mesa.	457	2-22-56	+4,080
Old Maid Coulee	Esquatzel Coulee	On line between sec.19, T.13 N., R.32 E., and sec.24, T.13 N., R.31 E., at U.S. Highway 395, 4.2 miles south of Connell.	18.1	2-21-56 5- 8-56	+171 +121
Dunnigan Coulee	Old Maid Coulee	On east line sec.25, T.13 N., R.31 E., at U.S. Highway 395, 6 miles south of Connell.	27.1	2-21-56	+465
Old Maid Coulee	Esquatzel Coulee	NW $\frac{1}{4}$ sec.12, T.12 N., R.30 E., 0.5 mile upstream from mouth and 2 $\frac{1}{2}$ miles south of Mesa.	66.2	2-21-56	+456
Esquatzel Coulee	Pasco Sump	SE $\frac{1}{4}$ sec.2, T.11 N., R.30 E., at gaging station "at Eltopia," (operated Jan. 1953 to 1960).	551		
Do.....	.....do.....	SW $\frac{1}{4}$ sec.25, T.10 N., R.29 E., 0.5 mile downstream from county road to Richland Ferry, and 6 $\frac{1}{2}$ miles north of Pasco.	651	2-22-56	+2,740
Columbia River basin					
Columbia River	Pacific Ocean	Sec.31, T.9 N., R.30 E., at Northern Pacific Railway bridge near Pasco, 4 miles above mouth of Snake River.	103,800	10- 8-97 10- 8-04 2-25-12 2-27- 6-15-13 7-16-13 7-17- 11-19-13 11-21-13	69,100 64,000 79,900 537,000 303,000 61,200

† Peak flow.

## SNAKE RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Grande Ronde River basin					
Grande Ronde River	Snake River	SE $\frac{1}{4}$ sec.23, T.7 N., R.46 E., at gaging station "at Zindel," (operated July 1904 to Dec. 1912).	3,950	6-29-04	3,762
Asotin Creek basin					
Asotin Creek	Snake River	SE $\frac{1}{4}$ sec.20, T.10 N., R.45 E., at gaging station "near Asotin," (operated Mar. to Nov. 1904, Apr. 1905 to Feb. 1906, May to Nov. 1906, Aug. to Sept. 1910, July to Oct. 1911, Aug. 1928 to Nov. 1959).	156	12-24-08 9- 1-08 12- 2-59	215 38.1 57.4
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.10 N., R.45 E., at gaging station "below Kearney Gulch, near Asotin," (operated Oct. 1959 to 1960).	170	9-20-59	20.2
Do.....	.....do.....	NW $\frac{1}{4}$ sec.20, T.10 N., R.46 E., at road bridge $\frac{1}{2}$ miles above Asotin.		3-19-04 4-22-04 7- 1-04 8-12-04	189 685 42 5
Minor basins between Asotin Creek and Tucannon River					
Critchfield Draw	Snake River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.10 N., R.46 E., (crest-stage gage "near Clarkston").	1.80	1960	0.7
Dry Creek	.....do.....	SW $\frac{1}{4}$ sec.35, T.11 N., R.45 E., (crest-stage gage "near Clarkston").	2.34	2-21-56 2-24-57	123 104
Snake River basin					
Snake River	Columbia River	Lot 1, sec.16, T.11 N., R.45 E., at gaging station "near Clarkston," (operated Oct. 1915 to 1960).	103,000		
Minor basins between Asotin Creek and Tucannon River					
Clayton Gulch	Alpowa Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.11 N., R.44 E., (crest-stage gage "near Alpowa").	5.60		
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.11 N., R.44 E., 1 mile east of Alpowa School and 12 miles west of Clarkston.	6.94	8-24-54	†1,600
Smith Gulch tributary	Smith Gulch	SE $\frac{1}{4}$ sec.29, T.12 N., R.43 E., (crest-stage gage "near Pataha").	1.80	2- 8-55 12-22-55 5- 6-57 2- -58 1959 3- 7-60	85.3 92.8 112 24.6 10 30
Snake River basin					
Snake River	Columbia River	NE $\frac{1}{4}$ sec.31, T.13 N., R.38 W., at gaging station "at Riparia," (operated Oct. 1915 to Sept. 1935).	104,100		
Tucannon River basin					
Tucannon River	Snake River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.10 N., R.41 E., 10 miles southwest of Pomeroy.	121	8-19-58	63.6
Russell Springs	Tucannon River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.10 N., R.41 E., 10 miles southwest of Pomeroy.	-	8-19-58	0.64
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.10 N., R.41 E., 10 miles southwest of Pomeroy.	-	8-19-58	2.97
Tucannon River	Snake River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.11 N., R.40 E., at gaging station "near Pomeroy," (operated Aug. 1913 to June 1915, Mar. 1924 to Sept. 1930).	160	9-29-15 10-24-23 9-18-58	54.2 78.6 61.2
Pataha Creek	Tucannon River	SE $\frac{1}{4}$ sec.33, T.12 N., R.42 E., 300 ft above Hutchens Gulch at Pataha.	57.9	9-28-55 9-18-58	4.30 3.98
Do.....	.....do.....	Sec.31, T.12 N., R.42 E., at Pomeroy.	79.7	5-21-15	18.5
Do.....	.....do.....	NE $\frac{1}{4}$ sec.4, T.11 N., R.41 E., 0.6 mile above Zumwalt siding, 4 miles west of Pomeroy.	92.2	2-22-49	†1,620
Linville Creek	Pataha Creek	SW $\frac{1}{4}$ sec.9, T.11 N., R.41 E., $\frac{1}{2}$ mile above Tatman Gulch and 5 miles southwest of Pomeroy.	5.71	6-17-50	†9,750

† Peak flow.

a Approximately.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Tucannon River basin--Continued					
Skyhawk Gulch	Tatman Gulch	NW $\frac{1}{4}$ sec.26, T.11 N., R.41 E., 0.9 mile upstream from mouth and 5 miles south of Pomeroy.	7.15	6-17-50	+5,200
Tucannon River	Snake River	Sec.23, T.12 N., R.38 E., at gaging station "near Starbuck," (operated Nov. 1914 to Sept. 1917, Aug. 1928 to Sept. 1931).	432		
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.12 N., R.38 E., at gaging station "near Starbuck," (operated Oct. 1958 to 1960).	-	2-27-57 3-17-57 4-26-57 5-23-57 6-27-57 7-24-57 8-28-57 9-26-57 9-27-57 11-14-57 12-18-57 1-26-58 3-26-58 3-26-58 3-26-58 4-25-58 5-23-58 7-10-58 8- 9-58 9-18-58	639 257 217 343 92.8 63.8 60.4 57.8 60.6 98.3 111 135 159 162 527 592 83.8 62.2 61.7
Palouse River basin					
Palouse River	Snake River	SE $\frac{1}{4}$ sec.11, T.17 N., R.44 E., at gaging station "at Elberton," (operated May to Dec. 1904).	406		
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.17 N., R.44 E., at gaging station "near Colfax," (operated Sept. 1955 to 1960).	491		
Do.....	.....do.....	SW $\frac{1}{4}$ sec.11, T.16 N., R.43 E., above South Fork at highway bridge at north end of Colfax.	497	2-27-48	+6,930
South Fork Palouse River	Palouse River	SW $\frac{1}{4}$ sec.16, T.14 N., R.45 E., 2 $\frac{1}{2}$ miles south of Pullman.	82.6	3-16-54	14.6
Do.....	.....do.....	SE $\frac{1}{4}$ sec.8, T.14 N., R.45 E., at gaging station "above Paradise Creek, near Pullman," (operated May 1934 to Sept. 1940).	84.4	9-16-58	.46
Paradise Creek	South Fork Palouse River	SE $\frac{1}{4}$ sec.3, T.14 N., R.45 E., 2.4 miles above mouth.	28.4	2-26-48 2-28-48 3-16-54	+1,200 90.4 7.20
Do.....	.....do.....	SW $\frac{1}{4}$ sec.4, T.14 N., R.45 E., at gaging station "near Pullman," (operated Apr. 1934 to Sept. 1938).	34.5	5- 4-58 3-17-54 9-16-58	3.86 6.68 1.78
Dry Fork of South Fork Palouse River	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.14 N., R.45 E., at gaging station "at Pullman," (operated Dec. 1934 to Sept. 1938).	7.21	9-16-58	0
South Fork Palouse River	Palouse River	NE $\frac{1}{4}$ sec.6, T.14 N., R.45 E., at gaging station "at Pullman," (operated Feb. 1934 to Sept. 1942, Dec. 1959 to 1960).	132	2-26-48 3-17-54 9-16-58 1-24-59	+5,000 28.4 1.80 +1,860
Missouri Flat Creek	South Fork Palouse River	NE $\frac{1}{4}$ sec.29, T.15 N., R.45 E., above small tributary at Kitsmiller.	22.8	3-16-54	3.34
Missouri Flat Creek tributary	Missouri Flat Creek	NE $\frac{1}{4}$ sec.29, T.15 N., R.45 E., (crest-stage gage "near Pullman").	1.14	2- 8-55 5- 8-56 2-25-57 4-20-58 1-27-59 2- 7-60	23.1 140 33.4 24.8 23 19
Missouri Flat Creek	South Fork Palouse River	NW $\frac{1}{4}$ sec.5, T.14 N., R.45 E., $\frac{1}{2}$ mile above former gaging station at Pullman.	-	2-26-48 1-24-59	+1,500 +870
Do.....	.....do.....	NE $\frac{1}{4}$ sec.6, T.14 N., R.45 E., at gaging station "at Pullman," (operated Jan. 1934 to Sept. 1940, Jan. to Dec. 1960).	27.1	3-17-54 9-16-58 12-23-59	4.0 .74 .88

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Palouse River basin--Continued					
Fourmile Creek	South Fork Palouse River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.16 N., R.45 E., about 500 ft below county bridge, 4 $\frac{1}{2}$ miles northeast of Albion.	52.8	3-16-54	10.5
Rose Creek	Fourmile Creek	SE $\frac{1}{4}$ sec.9, T.15 N., R.45 E., at State Highway 3, 5 miles northeast of Pullman.	1.91	5- 8-56	†1,130
Fourmile Creek	South Fork Palouse River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.16 N., R.44 E., at gaging station "at Shawnee," (operated Mar. 1934 to Sept. 1940).	71.6	3-17-54 9-16-58 1-25-59	17.0 .13 †1,990
South Fork Palouse River	Palouse River	Sec.13, T.16 N., R.43 E., 0.6 mile below railroad crossing and 1.7 miles above Colfax.	277	2-26-48	†8,800
Do.....	.....do.....	Sec.11, T.16 N., R.43 E., at Colfax.	-	6-20-14	2.72
Palouse River	Snake River	Sec.11, T.16 N., R.43 E., below South Fork at Colfax.	797	6-20-14	37.0
Palouse River tributary	Palouse River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.16 N., R.43 E., (crest-stage gage "at Colfax").	2.10	2- 9-55 12-22-55 5-20-57 2-24-58 1-24-59 2- 7-60	17.9 70.5 60.5 46.4 52 15.5
Palouse River	Snake River	NW $\frac{1}{4}$ sec.4, T.16 N., R.39 E., above Rock Creek, 6 miles southwest of Winona.	1,100	6-17-14 12-16-14 2- 4-15 2- 4-15 2- 5-15 2- 5-15 9-18-15 2-24-16 2-21-17 2-22-17 2-22-17	74.8 14.5 1,110 964 548 477 4.31 1,110 535 484 464
Pine Creek	Rock Creek	Sec. 34, T.21 N., R.43 E., $\frac{1}{4}$ mile above North Pine Creek, and 2.7 miles below Rosalia.	193	2-26-48	†5,600
Hardman Draw tributary	Hardman Draw	SW $\frac{1}{4}$ sec.16, T.21 N., R.43 E., (crest-stage gage "at Plaza").	1.64	2- 9-55 12-22-55 5-14-57 1-17-58 1-24-59 2- 7-60	67.0 80.9 1,780 21.4 43 16
Squaw Creek	Pine Creek	NE $\frac{1}{4}$ sec.24, T.21 N., R.42 E., 5 miles above mouth and 3 miles southwest of Plaza.	3.81	5-14-57	†5,310
Rock Creek	Palouse River	Sec. 13, T.19 N., R.40 E., at gaging station "near Ewan," (operated Oct. 1903 to Sept. 1905, Mar. 1914 to Sept. 1917).	523	12- 4-03 9-15-58 6-24-59 6-27-59	10 0 †1,870 1,510
Cottonwood Creek	Rock Creek	In about sec.26, T.19 N., R.40 E., at Ewan.	all8	4-16-04 5- 7-04 6-24-04	32 41 .6
Mud Lake tributary	Mud Lake	NW $\frac{1}{4}$ sec.24, T.20 N., R.39 E., 3 miles northeast of Lamont.		8-19-54	†1,140
Rock Creek	Palouse River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.16 N., R.39 E., at mouth, 6 miles southwest of Winona.	954	6-17-14 12-16-14 3- 3-15 7-16-15 9-18-15 11-12-15 5-24-16 6-27-17	27.0 4.7 195 33.1 8.30 6.70 128 49.5
Palouse River	Snake River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.16 N., R.39 E., at gaging station "near Winona," (operated Dec. 1914 to Sept. 1917).	2,056	6-17-14 12-16-14 10- 8-17	102 19.2 21.1
Union Flat Creek	Palouse River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.13 N., R.45 E., 250 ft below railroad bridge, 1 mile southeast of Colton.	106	10- 7-58	1.0
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.5, T.15 N., R.43 E., at gaging station "near Colfax," (operated Aug. 1958 to 1960).	189		

† Peak flow.  
a Approximately.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Palouse River basin--Continued					
Washington Development Company canal	Palouse River	Sec.25, T.15 N., R.37 E., about 1 mile east of Hooper and above all diversions.	-	8-25-13 5-29-14 9- 5-14 4-17-15 10-11-15 10-12-15 10-12-15 10-12-15	8.07 9.7 5.14 12.0 9.3 3.9 2.9 .85
Palouse River	Snake River	SE $\frac{1}{4}$ sec.27, T.15 N., R.37 E., at gaging station "at Hooper," (operated Sept. 1897 to Dec. 1899, Apr. 1900 to Apr. 1907, June 1908 to July 1912, Mar. 1913 to Mar. 1916, Feb. 1951 to 1950).	2,500	9- 9-97 10-30-17 12-21-27 2-28-48 12- 7-50 12-18-50 1- 4-51 1-22-51	73 48.5 463 †24,700 378 679 1,690 1,000
Negro Creek	Sprague Lake	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.21 N., R.39 E., at county bridge 2 miles southeast of Sprague.	194	3- 9-56	†239
Negro Creek tributary	Negro Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.21 N., R.38 E., 100 ft above U. S. Highway 10 at east edge of Sprague.	45.1	3- 9-56	†23.1
Negro Creek	Cow Creek	NE $\frac{1}{4}$ sec.23, T.21 N., R.38 E., 200 ft below railroad bridge at north edge of Sprague.	267	3- 9-56	†175
Cow Creek	Palouse River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.20 N., R.37 E., at highway bridge $\frac{1}{2}$ mile below Colville (Sprague) Lake, and 2 $\frac{1}{2}$ miles east of Keystone.	292	11- 8-04 11- 8-04 5-15-05 12-20-05 5- 4-13 5-17-13 9- 8-13 10-22-58	3 2.6 13 4.78 103 56.6 2.51 .28
Cow Creek tributary	Cow Creek	SE $\frac{1}{4}$ sec.32, T.20 N., R.37 E., (crest-stage gage "near Ritzville").	1.51	3-18-51 2- 8-55 2-21-56 2-25-57 2-23-58 1-24-59 2- 7-60	200 82.5 105 43.3 34.0 98 13
Cow Creek	Palouse River	NW $\frac{1}{4}$ sec.26, T.15 N., R.37 E., at gaging station "at Hooper," (operated Feb. 1951 to Nov. 1953).	679	2-26-04 3- 7-04 8- 5-04 8-31-04 4-25-07 12-18-50 1-22-51 12- 7-53	32 40 1 4 117 12.3 23.2 13.5
Stewart Canyon tributary	Stewart Canyon	SE $\frac{1}{4}$ sec.2, T.13 N., R.37 E., (crest-stage gage "near Riparia").	1.27	12-14-58 1960	17.8 10
Snake River basin					
Snake River	Columbia River	Sec.28, T.9 N., R.31 E., at gaging station "near Burbank," (operated Aug. 1909 to Mar. 1917).	108,500	10-14-17	14,300
Smith Canyon basin					
Smith Canyon tributary	Smith Canyon	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.12 N., R.32 E., (crest-stage gage "near Connell").	1.71	2-21-56 2-24-57	45.8 10.5
Smith Canyon	Snake River	NE $\frac{1}{4}$ sec.1, T.11 N., R.30 E., 1 $\frac{1}{2}$ miles northeast of Eltopia.	44.6	2-21-56	†462
Rye Grass Coulee	Smith Canyon	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.12 N., R.32 E., at county road crossing, 10 $\frac{1}{2}$ miles southeast of Connell.	7.71	8- 3-60	†310
Do.....	.....do.....	NW $\frac{1}{4}$ sec.12, T.11 N., R.31 E., just upstream from unnamed tributary, 6 miles east of Eltopia, and 14 $\frac{1}{2}$ miles south of Connell.	17.3	2-21-56	†126
Snake River basin					
Snake River	Columbia River	SR $\frac{1}{4}$ sec.35, T.9 N., R.30 E., at crossing of U. S. Highways 395 and 410, 2 $\frac{1}{2}$ miles east of Pasco.	108,800	12- 1-44 1-23-45 3-12-45 10- 8-45 2- 6-46 8-20-46 7-19-47	20,100 28,200 25,700 19,700 32,000 17,300 30,200

† Peak flow.  
a Approximately.

## SNAKE RIVER AND LOWER COLUMBIA RIVER BASINS

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Snake River basin--Continued					
Snake River (cont.)	Columbia River	SE $\frac{1}{4}$ sec.35, T.9 N., R.30 E., at crossing of U. S. Highways 395 and 410, 2 $\frac{1}{2}$ miles east of Pasco.		9- 5-47 10- 7-47 7-29-48 9-10-48 10-15-48 11-19-48 7-25-49 9- 1-49 11- 4-49	18,600 24,400 28,800 19,400 22,800 24,400 22,800 16,900 23,300

## LOWER COLUMBIA RIVER BASIN

Walla Walla River basin					
Mill Creek	Walla Walla River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.6 N., R.37 E., above old diversion dam of city of Walla Walla municipal supply, 11 $\frac{1}{2}$ miles southeast of Walla Walla.	-	5-13-16 8-17-16 11- 2-16 3- 9-17 4-10-17 6-30-17 9-15-17	140 55.2 49.9 83.5 398 134 57.6
Walla Walla water-supply conduit	Diverts from Mill Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.6 N., R.37 E., at intake.	-	2-11-15 3-18-16	21.6 21.4
Mill Creek	Walla Walla River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.6 N., R.37 E., at gaging station "near Walla Walla," (operated Aug. 1913 to Sept. 1917, Apr. to Sept. 1938, Oct. 1939 to 1960).	59.6	7-17-24 7-24-24 9- 5-24 4-18-31 10-18-38	29.6 29.3 28.2 148 27.4
Do.....	.....do.....	SW $\frac{1}{4}$ sec.26, T.7 N., R.37 E., at Farren's Grove, $\frac{1}{4}$ mile above Blue Creek.	66.3	5-26-24 5-26-24 7-17-24 7-24-24 9- 5-24	58.0 68.2 28.5 27.8 26.2
Blue Creek	Mill Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.7 N., R.37 E., at gaging station "near Walla Walla," (operated Oct. 1939 to 1960).	17.0		
Blue Creek tributary (formerly tributary of Blue Creek from left)	Blue Creek	E $\frac{1}{2}$ sec.26, T.7 N., R.37 E., 200 ft above mouth.	2.09	2- 5-40 2-24-40 2-27-40 2-29-40 3-15-40 4- 8-40 4-24-40	.70 2.71 10.6 8.72 1.18 3.44 1.64
Blue Creek	Mill Creek	NW $\frac{1}{4}$ sec.26, T.7 N., R.37 E., at highway bridge near mouth.	19.8	5-26-24 4-18-31	.97 25.8
Mill Creek	Walla Walla River	Near center sec.17, T.7 N., R.37 E., above first large diversion at Kibler station.	91.7	5-26-24 7-17-24 7-24-24 9- 5-24 12-17-27	61.1 24.4 24.9 26.0 95.8
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.7 N., R.36 E., immediately above Yellowhawk Creek diversion.	95.3	7-17-24 7-24-24 9- 5-24 1-31-40	14.8 15.4 16.0 82.3
Yellowhawk Creek	Diverts from Mill Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.7 N., R.36 E., at gaging station "at Walla Walla," (operated Apr. 1941 to Sept. 1952).	-	10-16-52	26.6
Garrison Creek	Diverts from Yellowhawk Creek	NE $\frac{1}{4}$ sec.22, T.7 N., R.35 E., at gaging station "at Walla Walla," (operated Apr. 1941 to Sept. 1952).	-	10-16-52 11-21-52	8.84 10.9
Veterans Hospital ditch	Garrison Creek (diverts from right side)	NE $\frac{1}{4}$ sec.31, T.7 N., R.36 E., 300 ft below headgate and 200 ft above boundary fence at Veterans Hospital at Walla Walla.	-	8-15-51	1.20

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Walla Walla River basin--Continued					
Garrison Creek	Diverts from Yellowhawk Creek	NE $\frac{1}{4}$ sec.31, T.7 N., R.36 E., 300 ft above Veterans Hospital boundary fence at Walla Walla.	-	8-15-51	.74
South Spring Creek	Ground water	SE $\frac{1}{4}$ sec.30, T.7 N., R.36 E., 400 ft below source, at Veterans Hospital at Walla Walla.	-	8-15-51	.32
Do.....	.....do.....	SE $\frac{1}{4}$ sec.30, T.7 N., R.36 E., 1,000 ft below source, at Veterans Hospital at Walla Walla.	-	8-15-51	.42
Do.....	.....do.....	SE $\frac{1}{4}$ sec.30, T.7 N., R.36 E., 100 ft above Veterans Hospital boundary fence, at Walla Walla.	-	8-15-51	.54
North Spring	.....do.....	NE $\frac{1}{4}$ sec.30, T.7 N., R.36 E., 15 ft below old dam and 100 ft below source at Veterans Hospital at Walla Walla.	-	8-15-51	.62
Do.....	.....do.....	NE $\frac{1}{4}$ sec.30, T.7 N., R.36 E., 200 ft below source at Veterans Hospital at Walla Walla.	-	8-15-51	.20
Do.....	Ground water	NE $\frac{1}{4}$ sec.30, T.7 N., R.36 E., 20 ft above Veterans Hospital boundary fence at Walla Walla.	-	8-15-51	0.59
Mill Creek	Walla Walla River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.7 N., R.36 E., immediately below Yellowhawk Creek diversion.	-	7-17-24	4.87
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.7 N., R.36 E., at gaging station "at Walla Walla," (operated Apr. 1941 to 1960).	95.7		
Walla Walla River	Columbia River	W $\frac{1}{2}$ sec.31, T.7 N., R.35 E., at Whitman. (Gage heights only 1897 to 1899).	420	8-26-97 7- 5-03	78 116
Spring Creek tributary	Spring Creek	N $\frac{1}{2}$ sec.9, T.7 N., R.37 E., (crest-stage gage "near Walla Walla").	1.94	3-23-56 5-17-57 2-12-58 1-24-59 10-30-59	7.6 80.9 45.4 70 #.43
Dry Creek	Walla Walla River	South line SW $\frac{1}{4}$ sec.31, T.8 N., R.37 E., at gaging station "near Walla Walla," (operated Jan. 1949 to 1960).	48.4		
Wolf Creek	East Fork Touchet River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.9 N., R.39 E., 500 ft below Robinson Creek 6 miles southeast of Dayton.	22.1	4-19-41 7-10-41 9-16-41 11-18-41 3-31-42 5-16-42 7- 2-42 9- 7-42 12-28-42 2-27-43 4- 8-43 5- 6-43 8-19-43 12- 3-43 2-29-44 4-16-44 5-19-44 6-24-44 8-17-44 10-11-44 12- 6-44 1-24-45 4-30-45 7- 6-45 8-30-45 10-15-45 12- 5-45 2- 5-46 4- 4-46 5-14-46 6-19-46 8-15-46 10- 8-46 12- 1-46 1-17-47 2-27-47 4-22-47 6- 9-47 7-21-47	35.3 37.0 20.2 70.2 56.3 78.9 56.5 18.5 117 80.6 167 96.1 21.5 53.3 33.0 67.8 42.4 26.1 18.0 19.0 25.4 30.7 119 28.6 18.6 20.6 43.2 57.2 88.2 86.9 42.9 22.1 22.8 81.5 42.8 64.3 101 39.7 21.2

\* Discharge measurement.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Walla Walla River basin--Continued					
Wolf Creek (cont.)	East Fork Touchet River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.9 N., R.39 E., 500 ft below Robinson Creek 6 miles southeast of Dayton.		9- 9-47 10-13-47 11-24-47 1-20-48 3- 2-48 4-23-48 5-12-48 6-16-48 7-25-48 9-15-48	25.6 25.9 62.1 45.0 131 177 201 75.0 29.3 23.9
East Fork Touchet River	Touchet River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.9 N., R.39 E., at gaging station "near Dayton," (operated Apr. 1941 to Sept. 1951, Sept. 1956 to 1960).	102	10- 3-51	103
Hatley Creek	East Fork Touchet River	On south line sec.2, T.9 N., R.39 E., (crest-stage gage "near Dayton").	4.12	2- 9-55 12-22-55 2-24-57 4-17-58 1-24-59 2- 8-60	21.3 88.5 50.8 86.1 103 60
Davis Hollow	Touchet River	SE $\frac{1}{4}$ sec.32, T.10 N., R.39 E., (crest-stage gage "near Dayton").	3.01	5- 9-56 12-10-56 4-17-58 1- -59 2- 8-60	305 6 215 7.8 3.9
South Fork Touchet River	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.10 N., R.39 E., just above mouth, at Dayton.	43.8	4- 1-41 7-10-41 9-17-41 11-19-41 4- 1-42 5-16-42 7- 2-42 9- 6-42 12-29-42 2-26-43 4- 8-43 5- 6-43 8-19-43 12- 3-43 2-29-44 4-15-44 5-19-44 6-24-44 8-17-44 10-11-44 12- 6-44 1-24-45 5- 1-45 7- 6-45 8-31-45 10-15-45 12- 5-45 2- 5-46 4- 4-46 5-14-46 6-19-46 8-16-46 10- 7-46 12- 1-46 1-16-47 2-28-47 4-21-47 6-10-47 7-21-47 9- 9-47 10-13-47 11-24-47 1-20-48 3- 2-48 4-24-48 5-14-48 6-16-48 7-25-48 9-15-48	16.7 19.7 5.53 75.3 85.2 66.9 45.9 .57 142 68.1 151 73.8 1.97 42.9 21.1 74.7 26.8 8.26 .45 2.07 9.72 25.1 131 7.43 .78 2.35 35.9 47.1 68.3 52.6 20.6 1.90 4.48 80.2 36.1 33.1 86.8 21.8 1.94 5.21 7.96 40.9 35.7 116 152 268 31.3 6.29 2.81
Mustard Hollow	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.10 N., R.39 E., at Dayton.	-	5- 9-56	†875
Patit Creek	.....do.....	NW $\frac{1}{4}$ sec.30, T.10 N., R.39 E., just above mouth at Dayton.	65.4	4-19-41 7-10-41 9-16-41 11-18-41 4- 1-42	6.82 6.24 .76 18.7 29.1

† Peak flow.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Walla Walla River basin--Continued					
Patit Creek (cont.)	Touchet River	NW 1/4 sec. 30, T.10 N., R.39 E., just above mouth at Dayton.		5-16-42 7- 1-42 9- 6-42 12-28-42 2-26-43 4- 8-43 5- 6-43 6-16-43 12- 3-43 2-29-44 4-15-44 5-19-44 6-24-44 12- 6-44 1-25-45 5- 1-45 7- 5-45 8-30-45 10-12-45 12- 5-45 2- 5-46 4- 3-46 5- 9-46 6-19-46 8-15-46 10- 7-46 11-30-46 1-16-47 2-27-47 4-21-47 6- 9-47 7-21-47 9- 8-47 10-13-47 11-24-47 1-19-48 3- 2-48 4-24-48 5-15-48 6-16-48 7-25-48	33.2 9.82 0 106 45 178 32.8 5.28 2.96 7.10 24.9 3.25 .51 0 2.19 19.8 .21 Trace Trace 3.59 25.6 42.8 21.6 1.97 .10 Trace 16.3 8.58 11.6 40.1 5.48 Trace .07 Trace 13.7 30.0 102 63.6 178 15.9 1.25
Touchet River	Walla Walla River	Sec. 3, T.9 N., R.38 E., at county road bridge 3 miles below Dayton.	247	8-29-13	33.0
Do.....	.....do.....	On line between sec. 7 and 8, T.9 N., R.37 E., at gaging station "at Bolles," (operated Feb. 1924 to Oct. 1929, Apr. 1951 to 1960).	361	8-11-20 9- 7-20 10-23-23 4-19-41 7-10-41 9-17-41 11-18-41 4- 1-42 5-15-42 7- 1-42 9- 6-42 12-29-42 2-26-43 4- 8-43 5- 5-43 6-16-43 8-19-43 12- 3-43 2-28-44 3-18-44 4-15-44 6-24-44 8-17-44 10-10-44 12- 6-44 1-24-45 4-30-45 7- 5-45 8-30-45 12-12-45 12- 4-45 1-30-46 4- 3-46 5- 9-46 6-20-46 8-16-46 10- 7-46 11-30-46 1-16-47 2-27-47	29.5 41.7 89.1 107 101 47.6 321 325 373 108 25.8 627 390 872 413 163 29.9 145 127 124 313 54.3 20.5 40.3 60.8 113 360 38.5 24.2 39.2 167 366 381 370 99.8 26.1 50.8 345 194 175

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Walla Walla River basin--Continued					
Touchet River (cont.)	Walla Walla River	On line between secs. 7 and 8, T. 9 N., R. 37 E., at gaging station "at Bolles."		4-21-47 6- 9-47 7-22-47 9- 8-47 10-13-47 11-23-47 1-19-48 3- 2-48 4-23-48 5-14-48 6-18-48 7-26-48 9-15-48	438 155 28.9 40.0 55.7 243 246 682 713 1,300 206 59.5 39.0
Whetstone Hollow	Touchet River	N $\frac{1}{2}$ sec. 4, T. 10 N., R. 39 E., at crossing of U. S. Highway 410, 4 miles northeast of Dayton.	14.9	2- -49	1790
Badger Hollow	Dry Hollow	SE $\frac{1}{4}$ sec. 20, T. 11 N., R. 36 E., (crest-stage gage "near Clyde").	4.16	2- 8-55 2-22-56 2-25-57 6-26-58 1-24-59 2- 8-60	75.3 327 61.4 17.9 15 23
Touchet River	Walla Walla River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T. 8 N., R. 33 E., at gaging station "near Touchet," (operated Apr. 1941 to Sept. 1955).	721	1-29-55 4-14-55 5-27-55 7- 7-55 8-25-55 9-30-55 12-22-55 2-26-57 4-20-58 1-27-59	149 622 280 70.3 21.6 45.9 †7,230 †2,770 †2,550 †6,130
Walla Walla River	Columbia River	On west line sec. 23, T. 7 N., R. 32 E., at U. S. Highway 410 bridge, at Reese, 6 miles west of Touchet.	1,695	2- -49	†23,800
Attalia Irrigation District canal	Diverts from Walla Walla River	NE $\frac{1}{4}$ sec. 30, T. 7 N., R. 32 E., at gaging station "near Wallula," (operated May to Oct. 1924, Mar. to Sept. 1925).	-		
Walla Walla River	Columbia River	NW $\frac{1}{4}$ sec. 30, T. 7 N., R. 32 E., at gaging station "near Wallula," (operated May 1924 to Sept. 1925).	1,750		
Walla Walla River tributary	Walla Walla River	SW $\frac{1}{4}$ sec. 25, T. 7 N., R. 31 E., (crest-stage gage "near Wallula").	.80	2-21-56 6-26-58	3.6 5.7

† Peak flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Rock Creek basin					
Rock Creek	Columbia River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11 T.4 N., R.10 E., at Goldendale-Bickleton Road.	65.3	1- 9-53 12- 2-55	†2,580 †2,870
Luna Gulch tributary	Luna Gulch	At center of south line of sec.36, T.4 N., R.17 E., at State Highway 8.	.46	1- 9-53	†123
Rock Creek	Columbia River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.4 N., R.18 E., at gaging station "near Goldendale," (operated 1912-13).	al20		
Squaw Creek	Rock Creek	SW $\frac{1}{4}$ sec.29, T.4 N., R.19 E., above mouth.	-	12-28-11 2-19-12 4- 1-12	1.11 49.3 8.64
Rock Creek	Columbia River	NW $\frac{1}{4}$ sec.14, T.3 N., R.19 E., 200 ft above railroad bridge.	-	8- 1-52	.14

Klickitat River basin					
Klickitat River	Columbia River	Sec.29, T.11 N., R.13 E., at Caldwell Meadows	38.3	10-24-16	37.5
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.10 N., R.13 E., above Diamond Fork.	44.1	8-18-00	b114
Diamond Fork	Klickitat River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.10 N., R.13 E., 500 ft above mouth.	41.9	8-18-00 8-25-09 10-25-16	b48 29 24.1
Klickitat River	Columbia River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.10 N., R.13 E., below Diamond Fork.	86.0	8-25-09	90
Piscoe Creek	Klickitat River	SE $\frac{1}{4}$ sec.16, T.10 N., R.13 E., at mouth.	10.9		
McCreedy Creek	.....do.....	SE $\frac{1}{4}$ sec.25, T.10 N., R.13 E., at mouth.	18.0		
Klickitat River	Columbia River	SE $\frac{1}{4}$ sec.25, T.10 N., R.12 E., at gaging station "above Pearl Creek, near Glenwood," (operated May to Aug. 1910, Aug. to Nov. 1916).	131	8-20-09	117
Pearl Creek	Klickitat River	NW $\frac{1}{4}$ sec.36, T.10 N., R.12 E., at gaging station "near Glenwood," (operated Aug. to Nov. 1916).	b4.31		
Chaparral Creek	.....do.....	W $\frac{1}{2}$ sec.1, T.9 N., R.12 E., at mouth.	3.88		
Corral Creek	.....do.....	SW $\frac{1}{4}$ sec.1, T.9 N., R.12 E., at mouth.	1.23		
Klickitat River	Columbia River	S $\frac{1}{2}$ sec.18, T.9 N., R.13 E., at gaging station "above West Fork near Glenwood," (operated 1944-60).	151		
Swamp Creek	Klickitat River	NE $\frac{1}{4}$ sec.19, T.9 N., R.13 E., at gaging station "near Glenwood," (operated Aug. to Nov. 1916).	b10.4		
Klickitat River	Columbia River	NW $\frac{1}{4}$ sec.30, T.9 N., R.13 E., 600 ft above West Fork.	163	8-18-09 8-31-09	154 143
Fish Lake Stream	West Fork Klickitat River	NE $\frac{1}{4}$ sec.18, T.10 N., R.12 E., $\frac{1}{4}$ mile below Fish Lake.	6.61	8-21-16 8-22-16 9- 5-16	8.0 8.2 7.2
Two Lakes Stream	Fish Lake Stream	NW $\frac{1}{4}$ sec.15, T.10 N., R.11 E., 1,000 ft below lower lake.	11.4	9-26-16	11.0
Fish Lake Stream	West Fork Klickitat River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.9 N., R.12 E., 600 ft above confluence.	47.8	8-28-09	106
Little Muddy Creek	.....do.....	Sec.13, T.9 N., R.11 E., at elevation 4,650 ft, 1 mile above Crawford Creek.	3.92	4- 5-17	2.6
Crawford Creek	Little Muddy Creek	SW $\frac{1}{4}$ sec.19, T.9 N., R.12 E., at elevation 4,200 ft.	2.53	4- 5-17	.23
Trapper Creek	.....do.....	S $\frac{1}{2}$ sec.11, T.9 N., R.11 E., at elevation 4,700 ft.	4.50	4- 6-17	.81

† Peak flow.  
a Approximately  
b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Klickitat River basin--Continued					
Trapper Creek tributary (formerly unnamed creek north of Little Muddy Creek)	Trapper Creek	NW $\frac{1}{4}$ sec.13, T.9 N., R.11 E., at elevation 4,650 ft.	0.79	4- 6-17	0.23
Clearwater Creek	Little Muddy Creek	SW $\frac{1}{4}$ sec.9, T.9 N., R.12 E., at mouth.	15.0	8-28-09	47
Little Muddy Creek	West Fork Klickitat River	S $\frac{1}{2}$ sec.9, T.9 N., R.12 E., $\frac{1}{2}$ mile above confluence.	34.9	8-28-09	117
West Fork Klickitat River	Klickitat River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.9 N., R.12 E., at gaging station "near Glenwood," (operated 1910, 1916, 1944-48, 1953-54).	b102	8-18-09 8-31-09	306 264
Soda Springs Creek	....do.....	At Soda Springs.	5.70		
Klickitat River	Columbia River	SW $\frac{1}{2}$ sec.2, T.8 N., R.12 E., 1 mile below Soda Ford.	262	8-21-09	331
Surveyors Creek	Klickitat River	SW $\frac{1}{4}$ sec.12, T.8 N., R.12 E.	23.1	9- 1-16 9- 4-16 9-22-16 10-20-16 10-26-16 11- 5-16	6.5 10.0 6.7 7.50 6.52 7.70
Do.....	....do.....	Sec.14, T.8 N., R.12 E., at mouth.	23.8	8-16-09	8.4
Cunningham Creek	....do.....	SW $\frac{1}{4}$ sec.6, T.8 N., R.12 E., at elevation 4,650 ft.	1.51	4- 4-17	0
Do.....	....do.....	SW $\frac{1}{4}$ sec.15, T.8 N., R.12 E., at gaging station "near Glenwood," (operated Aug. to Nov. 1916).	b15.4		
Do.....	....do.....	W $\frac{1}{2}$ sec.14, T.8 N., R.12 E., at mouth.	16.6		
Klickitat River	Columbia River	NE $\frac{1}{4}$ sec.3, T.7 N., R.12 E., 1,000 ft above Big Muddy Creek.	314	6-19-05 6-29-05 7- 8-05 7-15-05 7-22-05 8-11-05 8-18-05 9- 2-05 9-15-05 9- 3-09	717 655 574 465 426 377 360 312 342 397
Big Muddy Creek	Klickitat River	SE $\frac{1}{4}$ sec.20, T.8 N., R.12 E., 1,000 ft above Hell Roaring Creek.	14.2	4- 7-17	35.1
Hell Roaring Creek	Big Muddy River	SE $\frac{1}{4}$ sec.19, T.8 N., R.12 E., 2 miles above mouth.	7.41	9- 4-09	92
Do.....	....do.....	NW $\frac{1}{4}$ sec.20, T.8 N., R.12 E., 400 ft above mouth.	8.32	4- 7-17	8.8
Hell Roaring Irrigation Co. Canal	Diverts from Hell Roaring Creek	NW $\frac{1}{4}$ sec.33, T.8 N., R.12 E.	-	6-15-48 7-20-48 8-25-48 10- 7-48	1.06 22.4 73.2 22.0
Big Muddy Creek	Klickitat River	SW $\frac{1}{4}$ sec.27, T.8 N., R.12 E., at gaging station "near Glenwood," (operated 1916-18, 1944-49).	23.5	1-23-46 3- 5-46 4-24-46 5-21-46 6-14-46 8- 9-46 10-25-49 11-30-49 2-15-50 4- 3-50 5-19-50 7- 7-50	32.9 47.2 165 263 266 142 39.5 144 70.4 76.5 178 290

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Klickitat River basin--Continued					
Cougar Creek	Big Muddy Creek	NE $\frac{1}{4}$ sec.33, T.18 N., R.12 E., at gaging station "near Glenwood," (operated Aug. to Nov. 1916).	3.34		
Do.....	.....do.....	N $\frac{1}{2}$ sec.3, T.7 N., R.12 E., at mouth.	6.34		
Klickitat River	Columbia River	NE $\frac{1}{4}$ sec.10, T.7 N., R.12 E., at Camp Klickitat.	347	7- 9-07 7-16-07 7-22-07 7-29-07 8- 5-07 8-12-07 8-19-07 3-24-08 3-27-08 3-30-08 4- 3-08 4- 7-08 4-10-08 4-14-08 4-18-08 4-21-08 4-24-08 4-28-08 5- 1-08 5- 5-08 5- 8-08 5-12-08 5-16-08 5-19-08 5-23-08 5-26-08 5-29-08 6- 2-08 6- 5-08 6- 9-08 6-12-08 6-16-08 6-19-08 6-23-08 6-26-08 9-13-08 10-23-08 8- 9-09 9- 3-09	1,190 1,080 950 884 824 695 753 1,250 1,150 1,060 1,000 912 1,180 1,770 3,050 3,270 2,700 1,940 2,270 2,190 2,510 1,880 1,850 1,830 1,960 2,070 2,200 1,940 1,950 2,850 3,010 2,570 2,050 1,600 1,950 780 619 732 738
Klickitat River	Columbia River	SW $\frac{1}{4}$ sec.11, T.7 N., R.12 E., at Robertson's Ranch.	350	6-28-05 7- 8-05 7-15-05 7-22-05 8-12-05 8-19-05 9- 1-05 9-15-05 10-29-09 11- 1-09	989 879 764 955 668 662 538 545 421 436
Dairy Creek	Klickitat River	Sec.10, T.7 N., R.12 E., at road crossing.	4.88		
Do.....	.....do.....	Sec.14, T.7 N., R.12 E., at mouth.	5.64		
Klickitat River	Columbia River	SE $\frac{1}{4}$ sec.14, T.7 N., R.12 E., at gaging station "near Glenwood," (operated 1909-60).	360		
Do.....	.....do.....	SE $\frac{1}{4}$ sec.23, T.7 N., R.12 E., at Parrots Bridge.	-	6- 5-05 6-12-05 6-19-05	1,490 1,590 1,210
Bacon Creek	Klickitat River	E $\frac{1}{2}$ sec.26, T.7 N., R.12 E., at mouth.	8.92		
Indian Ford Spring	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.6 N., R.13 E., 1,000 ft above gaging station "near Glenwood".	-	12- 1-48 1-11-49 1-12-49 1-12-49	10.9 15.9 17.0 17.7
Indian Ford Spring No. 2	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.6 N., R.13 E., at gaging station "near Glenwood," (operated 1946-48).	-	10- 8-45 1-20-46 3- 7-46 3-30-46 5-23-46 6-21-46 8-11-46 9-24-46 1-11-49 1-11-49	13.7 15.7 19.1 20.9 15.8 21.6 22.0 16.5 14.6 14.4

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Klickitat River basin--Continued					
Indian Ford Spring No. 3	Klickitat River	N $\frac{1}{2}$ NE $\frac{1}{4}$ sec.4, T.6 N., R.13 E., 400 ft above mouth.	-	10- 8-45 1-20-46 3- 7-46 3-30-46 5-23-46 6-21-46 8-11-46 10- 3-46 11-11-46 2-16-47 3-26-47 4- 4-47 5- 3-47 6-22-47 8-20-47 9- 2-47	1.11 2.26 3.35 3.70 4.22 3.28 2.80 2.41 2.92 3.45 4.02 3.52 2.96 3.36 2.52 2.85
Klickitat River tributary (formerly unnamed spring)	Klickitat River	NE $\frac{1}{4}$ sec.4, T.6 N., R.13 E., at mouth on bench across Klickitat River from fish hatchery.	-	7-14-52 8- 2-52 6-17-53 7-13-53 7-27-53 8-19-53	16.9 15.7 13.9 13.8 14.2 16.2
Wonder Springs	....do.....	NE $\frac{1}{4}$ sec.4, T.6 N., R.13 E., 1,000 ft above mouth, across Klickitat River and $\frac{1}{4}$ mile below fish hatchery.	-	6-19-52 7-14-52 8- 2-52 8-20-52 9-23-52 6-17-53 7-13-53 7-27-53 8-19-53	14.2 15.0 12.8 12.7 13.1 15.7 18.2 18.9 18.2
Wonder Springs No. 2	....do.....	N $\frac{1}{2}$ NE $\frac{1}{4}$ sec.4, T.6 N., R.13 E., 5 $\frac{1}{2}$ miles northeast of Glenwood.	-	10- 8-45	3.67
Wonder Springs No. 3	....do.....	N $\frac{1}{2}$ NE $\frac{1}{4}$ sec.4, T.6 N., R.13 E., 5 $\frac{1}{2}$ miles northeast of Glenwood.	-	10- 8-45	2.63
Wonder Springs No. 4	....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.6 N., R.13 E., 5 $\frac{1}{2}$ miles northeast of Glenwood.	-	10- 8-45	.18
Wonder Springs No. 5	....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.6 N., R.13 E., 5 $\frac{1}{2}$ miles northeast of Glenwood.	-	10- 8-45	4.97
Outlet Creek	....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.6 N., R.13 E., 4 miles east of Glenwood.	124		
Do.....	....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.6 N., R.13 E., at mouth.	130	7-31-09 10- 7-45	5.7 63.4
Klickitat River	Columbia River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.6 N., R.13 E., at Hansons cable below Outlet Creek.	701	10-24-08 10-30-08	808 1,050
Do.....	....do.....	NE $\frac{1}{4}$ sec.12, T.5 N., R.13 E., at gaging station "below Glenwood," (operated July to October 1914).	b758	5-26-15 6-20-15 7- 1-16	1,320 947 1,240
Little Klickitat River	Klickitat River	NE $\frac{1}{4}$ sec.1, T.4 N., R.16 E., above Dry Creek, (operated as recording gage, July 1958 to October 1959, stage only).	54.9	8-11-58 9-28-58 11-17-58 1- 5-59 2-13-59 3-16-59 4-14-59 5-17-59 6-23-59 7-31-59 9- 1-59 10- 6-59	1.93 1.68 10.0 52.9 49.2 45.8 71.5 35.3 11.3 1.38 1.28 2.80
Do.....	....do.....	SW $\frac{1}{4}$ sec.10, T.4 N., R.16 E., at gaging station "near Goldendale," (operated 1910-12, 1946-51, 1957-60).	b83.5		
Little Klickitat River tributary	Little Klickitat River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.4 N., R.16 E., at crest-stage gage at county road, "near Goldendale".	.71	2- 7-60	c5.7

b Revised.

c Peak discharge computed through 4' pipe culvert.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Klickitat River basin--Continued					
Little Klickitat River	Klickitat River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.4 N., R.16 E., at Goldendale	107	9- 5-07	15
Bloodgood Creek	Little Klickitat River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.4 N., R.16 E., at mouth.	6.49	2-19-11	7.2
Spring Creek	....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.4 N., R.15 E.	4.47		
Little Klickitat River	Klickitat River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.4 N., R.15 E., 75 ft above Blockhouse Creek.	152	9- 5-07	29
Do.....	....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.4 N., R.14 E., at gaging station "near Wahkiakus," (operated 1945-60).	282		
Klickitat River	Columbia River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.4 N., R.14 E., at Twin Bridges.	1,097	12- 3-52 12-30-52 1-15-53	814 866 3,060
Swale Canyon Creek	Klickitat River	SE $\frac{1}{4}$ sec.18, T.4 N., R.14 E., at mouth.	126	9- 5-07	0
Klickitat River	Columbia River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.13 N., R.13 E., at gaging station "near Pitt"e, (operated 1909-12, 1928-60).	bl,297	9- 6-07	d959
Do.....	....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.3 N., R.13 E., "at Wols Ferry," (operated 1907-09).	1,312	5-27-07 8-25-07 10-14-07 10-25-10	3,170 1,240 915 1,020
Do.....	....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.3 N., R.12 E., "near Lyle," (operated 1912).	bl,342	10- 9-11 7-14-12 10-16-12	741 1,030 760

White Salmon River basin

White Salmon River	Columbia River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.7 N., R.10 E., at gaging station "below Cascade Creek, near Trout Lake," (operated 1957-60).	32.4		
Do.....	....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.6 N., R.10 E., at gaging station "above Trout Lake Creek, near Trout Lake," (operated 1959-60).	64.9		
Wicky Creek	White Salmon River	SW $\frac{1}{4}$ sec.27, T.7 N., R.10 E., 100 ft below foot bridge on trail.	11.6		
White Salmon River	Columbia River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.7 N., R.10 E., at sheep bridge just below Green Canyon.	a63	9-13-09	206
Do.....	....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.16 N., R.10 E., at gaging station "above Trout Lake Creek," (operated June 1959 to 1960).	65.0		
White Salmon River	....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.6 N., R.10 E., above Trout Lake Power and Irrigation Co.'s intake.	65.7	10- 1-12 1-22-13	162 139
Duncan Canal	Diverts from White Salmon River (left bank)	NW $\frac{1}{4}$ sec.14, T.6 N., R.10 E., near Trout Lake.	-	6-30-13	12.3
Dutch Canal	....do.....	SE $\frac{1}{4}$ sec.14, T.6 N., R.10 E., near Trout Lake.	-	6-30-13	32.1
Trout Lake Power & Irrigation Co.'s Canal	Diverts from White Salmon River	SW $\frac{1}{4}$ sec.11, T.6 N., R.10 E.	-	10- 1-12 6-30-13 6-30-13 6-30-13	21.0 37.8 27.3 9.53
Trout Lake Creek (formerly Trout Creek)	White Salmon River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.6 N., R.10 E., at gaging station "near Trout Lake," (formerly "at Guler"). Operated 1909-1912, June 1959 to 1960.	69.3	1- 3-12 10- 1-12 10- 9-12 1-21-13	121 42.9 49.5 144

a Approximately.

b Revised.

d Measured "at Klickitat".

e Published as "at Klickitat," 1909-12 and as "near Pitt," 1928-35.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
White Salmon River basin--Continued					
Pearson and Olsen Ditch	Diverts from White Salmon River (left bank)	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.6 N., R.10 E.	-	6-30-13 9- 9-18 10-15-28 1-18-29 8- 8-29 12- 4-29 3-11-30 5-28-30 7-24-30 7-31-31	24.3 19.9 3.4 0 4.8 2.0 .7 7.6 6.6 2.0
Pearson and Olsen Ditch lateral	Diverts from Pearson and Olsen Ditch	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.6 N., R.10 E., crosses river to right side.	-	9-11-18 5-24-29 8- 8-29 12- 4-29 3-11-30 5-28-30 7-24-30 9-24-30 5- 5-31 7-31-31	31.2 16.7 10.4 1.2 .4 10.7 11.2 11.2 0 9.8
Coats Brothers Ditch	Diverts from White Salmon River (left bank)	SW $\frac{1}{4}$ sec.19, T.6 N., R.11 E., below wasteway on left side of river.	-	9-11-18 10-15-28 8- 8-29 12- 4-29 5-28-30 7-24-30 9-24-30 5- 5-31 7-31-31 10- 7-31	30.6 8.1 10.8 1.9 10.9 11.1 15.0 20.5 11.4 8.8
Trout Lake Water Co.'s ditch	Diverts from Trout Lake Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.6 N., R.10 E., at Trout Lake.	-	6-30-13 9-11-18 10-15-28 5-24-29 8- 8-29 12- 4-29 3-11-30 5-28-30 7-24-30 9-24-30 5- 5-31 7-31-31 10- 7-31	29.4 20.1 14.5 43.6 24.9 6.7 4.9 27.9 18.1 15.0 17.1 13.8 4.1
Pearson and Peterson Ditch	....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.6 N., R.10 E., above lateral at Trout Lake.	-	9-12-18 10-15-28 1-18-29 5-24-29 8- 8-29 12- 4-29 3-11-30 5-28-30 7-24-30 9-24-30 5- 5-31 7-31-31	7.8 6.9 0 18.4 20.5 4.4 6.8 17.7 18.6 5.6 5.8 7.1
White Salmon River	Columbia River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.6 N., R.10 E., at gaging station "near Trout Lake". Operated 1918 (as "near Guler"), 1928-31, 1957-60.	185	9-16-19 10-30-19	152 135
Coats Brothers Ditch wasteway	Diverts from Coats Brothers Ditch	SW $\frac{1}{4}$ sec.19, T.6 N., R.11 E., below wasteway on left side of river.	-	9-11-18 10-15-28 1-18-29 5-24-29 8- 8-29 3-11-30 5-28-30 7-24-30 9-24-30 5- 5-31	15.5 11.7 0 24.5 7.2 0 8.7 1.8 0 0
J. C. Hoak Ditch	White Salmon River	.....do.....	-	9-11-18 10-15-28 1-18-29 5-24-29 8- 8-29 12- 4-29 5-28-30 7-24-30 9-24-30 5- 5-31 7-31-31	15.5 11.7 0 22.9 27.2 1.5 20.5 17.3 11.5 36.6 12.6



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
White Salmon River basin--Continued					
Trout Lake Canal	Diverts from White Salmon River (left bank)	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.6 N., R.11 E., near Trout Lake.	-	6-30-13	29.4
Little Mountain Ditch	....do.....	.....do.....	-	7- 1-13	45.3
White Salmon River	Columbia River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.5 N., R.11 E., at gaging station "at Splash Dam, near Trout Lake," (operated 1912-17).	241		
Intermittent Springs <sup>f</sup>	White Salmon River	SW $\frac{1}{4}$ sec.13, T.5 N., R.10 E.	-	7- 1-13 7- 3-14 9-16-14	49.7 32.6 0
White Salmon River	Columbia River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.5 N., R.10 E., near Weingartner's bridge.	257	10- 7-12 1-23-13 6-29-13	176 418 696
Do.....	....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.5 N., R.10 E., below Big Springs.	259	10- 6-12 1-23-13 7- 1-13 10- 1-15 10-19-15 7-17-18 9-19-19 10-30-19	272 418 1,030 209 188 484 354 262
Do.....	....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.4 N., R.10 E., at gaging station "at B-2 Corner," (operated 1958-60).	269	10- 7-12 1-24-13 7- 1-13	306 507 1,100
Gilmer Creek	White Salmon River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.4 N., R.10 E., at mouth.	11.6	9-23-09	0
White Salmon River	Columbia River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.4 N., R.11 E., at gaging station "at Husum," (operated 1909-19, 1929-41, 1957-60).	295		
Rattlesnake Creek	White Salmon River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.4 N., R.11 E., at mouth.	55.7	5- 3-11 5-16-11 10-13-12	24.2 15.2 2.0
Spring Creek	....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.4 N., R.10 E., below powerhouse.	1.73	10-13-12	9.7
Do.....	....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.4 N., R.10 E., at mouth.	2.30	9-24-09	10
Buck Creek	....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.3 N., R.10 E., 100 ft above mouth.	13.9	10-15-12	8.3
Mill Creek	....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.3 N., R.10 E., at mouth.	4.44	10-15-12	3.3
Little Buck Creek	....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.3 N., R.10 E., below forks.	2.35	10- 7-41	.17
Do.....	....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.3 N., R.10 E., at mouth.	4.77	9-25-09 10-14-12	4 4.6
White Salmon River	Columbia River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.3 N., R.10 E., at gaging station "near Underwood," (operated Oct. 1912 to Feb. 1913, 1915-30, 1935-60).	386	9- 7-07	909

Little White Salmon River basin

Cabbage Creek	Little White Salmon River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.4 N., R.9 E., at mouth.	3.82	5-24-46	11.4
Little White Salmon River	Columbia River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.4 N., R.9 E., at gaging station "near Willard," (operated 1944-49).	b39.2	10- 3-09 9- 5-41 9-20-41 10- 7-41 4-12-42 6- 6-42	13 18.8 21.6 15.2 111 52.0
White Salmon River tributary	White Salmon River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.3 N., R.10 E., at mouth	-	9-25-09	1
Moss Creek	Little White Salmon River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.4 N., R.9 E., at mouth	1.05	9- 4-41	19.5

b Revised.

f Known locally as Mysterious Spring Creek.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Little White Salmon River basin--Continued					
Little White Salmon River	Columbia River	SE $\frac{1}{4}$ sec.26, T.4 N., R.9 E., below Moss Creek.	40.2	10- 3-09 8-31-28 5-29-29 8- 7-29 10-12-29 3- 9-30 7-23-30 9-28-30 3-26-31 8- 7-31 9- 4-41 9- 5-41 9-20-41 10- 7-41 4-12-42 6- 6-42 5- 1-47	44.3 62.8 218 131 26.8 302 78.0 21.6 355 75.9 36.8 36.9 40.0 39.2 208 163 196
Broughton Lumber Co. Diversion	Diverts from Little White Salmon River	SW $\frac{1}{4}$ sec.36, T.4 N., R.9 E., at dam above Lava Creek.	-	8-31-28 5-29-29 8- 7-29 10-12-29 3- 9-30 7-23-30 9-28-30 3-26-31 8- 7-31 1-30-45 5- 9-45 6-25-45 8- 2-45 9-29-45 12-30-45 1-11-46 2-11-46 4- 1-46 5-17-46 6-19-46 8-13-46 9-25-46 11-12-46 12-16-46 2- 1-47 3-20-47 4- 7-47 5- 1-47 6-18-47 8-18-47 9-23-47 11- 2-47 12-14-47 1-21-48 2-19-48 4- 6-48 5-17-48 6-19-48 7-26-48 8-28-48 10- 9-48 2-28-49 4-19-49 5-17-49 6-25-49 7-27-49 9- 6-49 10-28-49 3-10-50 4- 6-50 7-12-50 9-27-50 12-10-50 3-23-51 6- 4-51 8-30-51 11-24-51 2- 2-52 4-30-52 7-18-52	27.2 27.4 30.4 18.4 19.9 25.5 16.1 18.7 27.4 21.7 21.5 12.2 21.3 23.4 9.23 8.71 0 4.96 23.2 17.7 17.8 23.7 21.4 28.4 10.2 20.0 22.7 22.6 20.6 20.9 22.8 19.4 20.9 21.8 25.0 21.2 20.7 21.4 21.0 21.1 21.6 12.6 22.1 17.2 18.7 20.8 20.1 20.1 19.1 18.1 21.9 18.3 20.5 24.0 23.2 20.7 24.7 3.89 21.0 24.3

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Little White Salmon River basin--Continued					
Lava Creek	Little White Salmon River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.3 N., R.9 E., at mouth.	72.5	10- 3-09 8-31-28 5-29-29 8- 7-29 10-12-29 3- 9-30 7-23-30 3-26-31 5-24-46	3.6 8.8 120 54.8 1.3 144 10.6 135 200
Little White Salmon River	Columbia River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.3 N., R.9 E., at gaging station "at Willard". Operated 1903-06 (fragmentary), 1945-60.	114	10- 3-09	45.5
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.3 N., R.9 E., at gaging station "above Lapham Creek, near Willard," (operated 1949-60).	116	10- 9-48 10-11-48 7-28-49	149 123 442
Rock Creek	Little White Salmon River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.3 N., R.9 E., at county road (crest-stage gage, "near Willard").	64.10	2-17-49 2-24-50 2- 9-51 2- 4-52 1- 9-53 12- 9-53 2- 8-55 11-26-55 3- 7-57 12-25-57 11-18-58 2- 7-60 11-24-60	428 323 175 237 256 182 151 257 107 155 116 140 283
Little White Salmon River	Columbia River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.3 N., R.9 E., at gaging station "near Cook," (operated 1956-60).	134	10- 4-09	170
Columbia River tributary	.....do.....	SE $\frac{1}{4}$ sec.27, T.3 N., R.8 E., at U. S. Highway 830, (crest-stage gage "at Home Valley").	.54	2-24-50 2-11-51 2- 4-52 1- 9-53 12- 9-53 2- 8-55 12-21-55 2- 7-57 12-25-57 11-12-58 2- 7-60 11-24-60	74.0 32.3 39.3 58.2 40.0 <19 75.4 45.1 31.5 32 33 69
Wind River basin					
Falls Creek	Wind River	NW $\frac{1}{4}$ sec.21, T.5 N., R.7 E., at gaging station "near Carson," (operated 1944-48).	b22.2	5-28-29 8- 6-29	133 23.2
Wind River	Columbia River	NW $\frac{1}{4}$ sec.29, T.5 N., R.7 E., below Falls Creek.	56.7	5-28-29 8- 6-29	258 33.2
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.4 N., R.7 E., at gaging station "above Trout Creek, near Carson," (operated 1944-60).	108		
Trout Creek	Wind River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.4 N., R.7 E., at gaging station "near Carson," (operated 1944-48).	30.3		
Panther Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.4 N., R.7 E., at gaging station "near Carson," (operated 1944-54).	30.1		
Wind River	Columbia River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.3 N., R.8 E., below Bear Creek.	210	8-24-27 8-31-28 5-28-29 8- 6-29 10-12-29 3- 9-30 7-23-30 9-29-30 3-26-31 8- 7-31	210 174 984 239 144 818 197 149 1,570 159

b Revised.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Wind River basin--Continued					
Little Wind River	Wind River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.3 N., R.8 E., at mouth.	9.30	3- 9-30 12-31-34 6- 6-35 4-29-37 12- 4-37 9-28-38 11-18-38 12-10-39 5-18-40 7-24-40 12- 4-40 1- 8-41 2-22-41 3-19-41 4-16-41 5-20-41 6-23-41 8-19-41 9-23-41 10-13-41 11-20-41 1- 6-42 2-18-42 4-10-42 6- 4-42 7-12-42 8-29-42 10-15-42 12-16-42 3-22-43 10-15-43 6-23-45	20.3 72.2 4.0 33.0 28.3 4.04 18.2 14.7 15.5 3.3 20.4 18.7 22.0 15.0 14.4 35.7 5.8 2.9 4.5 14.5 21.8 20.6 31.8 16.1 10.4 5.7 3.4 2.35 76.5 32.7 2.98 7.51
Wind River	Columbia River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.3 N., R.8 E., (measured at SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.3 N., R.8 E.) at gaging station "near Carson," (operated 1934-60).	g225	9- 8-07	190
Minor basins between Wind and Washougal Rivers					
Carson Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.3 N., R.8 E., at State Highway 8C.	1.49	6-19-52 7-15-52 9-23-52	.50 .08 0
Hamilton Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.2 N., R.7 E., 100 ft below logging bridge.	11.8	6-22-52 7-13-52 8- 4-52 8-21-52 9-23-52	23.0 12.1 5.74 5.57 2.54
Greenleaf Creek	Hamilton Creek	N $\frac{1}{2}$ sec.39, T.2 N., R.7 E., at road crossing.	5.87	6-19-52 7-15-52 8- 4-52 8-20-52 9-23-52 6-18-53 7-16-53 7-28-53 9- 9-53	6.71 4.44 2.73 2.18 1.54 14.9 6.09 4.63 2.67
Hardy Creek	Columbia River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25 (lot 37), T.2 N., R.6 E., at U. S. Highway 830.	2.96	9-25-52	.40
Woodward Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.2 N., R.6 E., 75 ft above railroad, near mouth.	8.08	6-22-52 7-15-52 8- 4-52 8-21-52 9-25-52 6-18-53 7-16-53 7-28-53 9- 9-53	13.6 8.47 4.86 2.98 1.99 23.8 9.32 7.35 3.95
Columbia River tributary (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.2 N., R.6 E., at U. S. Highway 830.	-	9-25-52	.47
Duncan Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.2 N., R.6 E., at U. S. Highway 830.	4.28	6-22-52 7-15-52 8- 4-52 8-21-52 9-25-52	5.33 2.06 .69 .06 0

g Includes drainage area of Little Wind River.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Minor basins between Wind and Washougal Rivers--Continued					
Columbia River tributary (formerly unnamed stream)	Columbia River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.1 N., R.6 E., at U. S. Highway 830.	1.16	9-25-52	.63
Lawton Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.1 N., R.4 E., at U. S. Highway 830.	4.89	6-23-52 7-15-52 8- 4-52 8-21-52 9-25-52 6-16-53 7-14-53 7-28-53 8-20-53	3.31 1.81 1.04 1.27 1.27 6.02 2.90 2.21 1.66
Gibbons Creek tributary (formerly unnamed tributary)	Gibbons Creek	NW $\frac{1}{4}$ sec.2, T.1 N., R.4 E., at Norway Road.	.41	5- 7-56	†82.1
Gibbons Creek	Steigerwald Lake	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16 (lot 49), T.1 N., R.4 E., 500 ft above U. S. Highway 830.	5.20	8- 2-51 9- 7-51	2.04 2.91
Campen Creek	Gibbons Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16 (lot 49), T.1 N., R.4 E., at mouth.	2.00	8- 2-51 9- 7-51	.20 .76
Washougal River basin					
Dougan Creek	Washougal River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.2 N., R.5 E., $\frac{1}{4}$ mile above mouth.	-	7- 3-53 9- 4-54 9-22-54	7.65 3.66 10.2
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.2 N., R.5 E., 10 ft above mouth.	5.54	7- 3-53 7-20-53 8- 3-53 9- 9-53	9.04 4.16 3.13 4.48
Washougal River tributary (formerly Bobs Creek)	Washougal River (right bank)	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.2 N., R.5 E., 50 ft above mouth and 1 mile upstream from Chinchilla Ranch.	.25	6-20-52 7-16-52 8- 5-52 8-22-52 9-24-52 6- 2-53 6- 9-53 6-18-53 7-17-53 7-29-53 9-10-53 9- 4-54 9-22-54	3.04 2.95 2.97 2.97 2.49 3.33 3.32 2.88 2.99 2.91 2.92 3.19 2.82
Unnamed Lake Outlet (formerly Boyles Lake Outlet)	Washougal River (left bank)	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.2 N., R.5 E., above mouth and about $\frac{1}{4}$ mile above Chinchilla Ranch.	-	6-25-52 7-16-52 8- 5-52 8-22-52 9-24-52 6-18-53 7-17-53 7-29-53 9-10-53 9- 4-54 9-22-54	2.86 2.55 1.72 1.50 .90 5.74 3.00 2.78 1.42 2.02 1.87
Washougal River tributary No. 2 (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.2 N., R.5 E., 100 ft above mouth, $\frac{1}{4}$ miles north of Prindle, just downstream from Boyles Lake Outlet.	-	6-25-52 7-16-52 8- 5-52 8-22-52 9-24-52 6-18-53 7-17-53 7-29-53 9-10-53 9- 4-54 9-22-54	.86 .54 .33 .36 .21 1.96 1.10 .62 .34 .80 .79
Washougal River tributary No. 3 (formerly Bobs Creek)	Washougal River (right bank)	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.2 N., R.5 E., 100 ft above mouth at road crossing.	.30	6-25-52 7-16-52 8- 5-52 8-22-52 9-24-52	.31 .21 .18 .14 .16

† Peak flow.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Washougal River basin--Continued					
Washougal River	Columbia River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.2 N., R.5 E., 500 ft below ranchhouse.	56.2	6-15-51 7- 3-51 7-23-51 8- 3-51 8-15-51 9- 7-51 7-17-52 8- 5-52 8-22-52 9-24-52 7-17-53 7-29-53	94.7 54.5 33.4 32.9 28.9 29.9 57.1 33.2 28.9 27.1 60.7 51.3
Wildboy Creek (formerly Texas Creek)	West Fork Washougal River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.2 N., R.5 E., 200 ft above mouth.	7.80	7- 6-53 7-20-53 9-10-53	11.7 8.76 4.43
Vogel Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.2 N., R.5 E., above mouth.	1.42	6- 2-53 6- 9-53 7-17-53	5.58 4.45 1.47
West Fork Washougal River	Washougal River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.2 N., R.5 E., at gaging station "near Washougal," (operated June to Sept. 1951).	b29.4	6- 8-51 10- 5-51 6-23-52 7-17-52 8- 6-52 9-25-52 7-20-53 8- 3-53 9- 4-54 9-22-54	68.1 230 50.9 38.4 24.8 14.4 43.3 37.1 29.5 39.5
Canyon Creek	Washougal River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.1 N., R.5 E., at bridge.	1.82	9- 7-51	.79
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.1 N., R.5 E., at State Highway 8B, (crest-stage gage "near Washougal").	2.74	2-17-49 2-24-50 12-23-50 2- 4-52 1-18-53 12- 9-53 12-31-54 11-26-55 3- 7-57 12- 6-57 12-11-58 2- 6-60 11-24-60	281 210 90.6 134 188 100 99 153 233 106 84 78 215
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.1 N., R.5 E., at State Highway 8B.	4.83	8- 2-51	2.63
Washougal River tributary No. 4 (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.2 N., R.4 E., at State Highway 8B.	.86	8- 2-51 9- 7-51	.72 .11
Washougal River tributary No. 5 (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.2 N., R.4 E., at State Highway 8B.	1.59	8- 2-51 9- 7-51 6- 2-53 6- 9-53	1.08 1.18 6.12 5.53
Washougal River	Columbia River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.2 N., R.4 E., at gaging station "near Washougal," (operated 1945-60).	108		
Cougar Creek	Washougal River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.2 N., R.4 E., at State Highway 8B.	5.16	8- 2-51 9- 7-51	2.86 2.37
Washougal River tributary No. 6 (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.2 N., R.4 E., at road crossing.	.35		
Washougal River	Columbia River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.2 N., R.4 E., 3 $\frac{1}{2}$ miles northeast of Washougal.	113	8-30-28 5-27-29 8- 5-29 10-11-29 3- 8-30 7-23-30 9-29-30 3-26-31 8- 7-31	65.2 356 89.6 66.9 493 96.6 75.4 860 86.6

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Washougal River basin--Continued					
Washougal River (Cont.)	Columbia River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.2 N., R.4 E., 3 $\frac{1}{2}$ miles northeast of Washougal.		8-19-41 9- 6-41 9-20-41 10- 8-41 4- 9-42 6- 8-42 8-28-42	65.6 941 694 1,480 404 358 93.8
Do.....	.....do.....	S $\frac{1}{2}$ sec.32, T.2 N., R.4 E., 1,500 ft below dam.	117	8-15-44 8-16-44 8-16-44 8-16-44	142 21.9 64.1 89.3
Little Washougal River tributary (formerly unnamed creek)	Little Washougal River	SW $\frac{1}{4}$ sec.17, T.2 N., R.4 E., at road crossing 100 ft above mouth.	-	9- 7-51	.08
Little Washougal River	Washougal River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.2 N., R.4 E., below farm road.	15.8	8- 2-51 9- 7-51	6.22 5.49
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.2 N., R.4 E., at gaging station "near Washougal," (operated 1951-55); crest-stage gage thereafter.	b23.3	6- 8-51 11-26-55 3- 7-57 4-20-58 - -59 10-22-59 11-24-60	25.2 1,280 b1,020 b720 b840 626 1,960
Do.....	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.2 N., R.4 E., 300 ft above mouth.	24.3	6- 8-42 8-28-42 10-14-42	53.1 13.2 10.4
Matney Creek	Lacamas Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.2 N., R.3 E., at road crossing.	6.23	9- 6-51	.07
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.2 N., R.3 E., at road crossing, near mouth.	6.44	8- 2-51	.37
Lacamas Creek	Washougal River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.2 N., R.3 E., at gaging station "at Proebstel," (operated June to September 1951).	22.1	6- 8-42 8-28-42 10-14-42 6- 7-51	34.4 6.02 3.83 15.4
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.2 N., R.3 E., at county bridge above Lacamas.	51.4	9- 4-41 9-19-41 10- 8-41 4- 9-42 6- 8-42 8-28-42 10-14-42 8- 2-51 9- 6-51	27.1 26.4 28.6 43.6 54.0 10.0 10.4 9.99 7.48
Fifth Plain Creek	Lacamas Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.3 N., R.3 E., at road crossing.	2.27	8- 1-51 9- 6-51	.10 .06
Shanghai Creek	Fifth Plain Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.3 N., R.3 E., at county road, (crest-stage gage "near Hockinson").	2.14	1- 6-50 12-23-50 10-23-51 1-18-53 1-22-54 2- 7-55 1- 5-56 2-26-57 12-25-57 2-24-59 11-22-59 11-24-60	50.5 64.2 99.0 112 99.0 64.2 124 50.5 39.0 53 43 126
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.2 N., R.3 E., at road crossing.	3.35	8- 2-51	.37
China Ditch	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.3 N., R.3 E., below tributaries at road intersection.	6.52		

b Revised.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Washougal River basin--Continued					
Fifth Plain Creek	Lacamas Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.2 N., R.3 E., above State Highway 8A.	18.9	6- 8-42 8-28-42 10-14-42 6-15-51 7- 2-51 7-23-51 8- 1-51 8-14-51 9- 6-51	15.0 3.50 2.78 5.28 4.03 3.20 3.54 2.99 2.74
Lacamas Creek	Washougal River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.2 N., R.3 E., at road crossing in Lechtenberg Park, 4 miles northeast of Camas.	51.4	9- 4-41 9-19-41 10- 8-41 4- 9-42 6- 8-42 8-28-42 10-14-42 8- 2-51 9- 6-51	27.1 26.4 28.6 43.6 54.0 10.0 10.4 9.99 7.48
Grass Valley Creek (formerly unnamed creek)	Lacamas Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.2 N., R.3 E., at Southeast First Street.	3.12		
Minor basins between Washougal and Lake Rivers					
Groeneveld Creek	Columbia River	NE $\frac{1}{4}$ sec.8, T.1 N., R.3 E., at private road, (crest-stage gage "near Camas").	.51	4-20-58 1-27-59 2- 6-60 4-19-60 11-24-60	46 24 25 1.16 47
Columbia River tributary (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.1 N., R.3 E., at U. S. Highway 830.	2.41	4-11-49 8- 2-51 9- 7-51	1.22 .36 .31
Columbia River Spring (formerly unnamed spring)	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.1 N., R.2 E., $\frac{1}{2}$ mile west of county road intersection.	-	4-11-49	.62
Columbia River Spring No. 2 (formerly unnamed spring)	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.1 N., R.2 E., 1.4 miles east of Ellsworth.	-	4-11-49	3.92
Columbia River Spring No. 3 (formerly unnamed spring)	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.1 N., R.2 E., $1\frac{1}{2}$ miles east of Ellsworth-Mill Plain Road intersection.	-	4-11-49	1.48
Unnamed Pond tributary (formerly unnamed spring)	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.1 N., R.2 E., $\frac{1}{2}$ mile east of State trout hatchery.	-	4-11-49	3.69
Columbia River Spring No. 4 (formerly unnamed spring)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.1 N., R.2 E., at U. S. Highway 830.	-	4-11-49 4-18-49 9- 7-51	10.7 13.5 11.4
Columbia River Spring No. 5 (formerly unnamed spring)	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.1 N., R.2 E., at U. S. Highway 830.	-	4-11-49	1.36
Columbia River Spring No. 6 (formerly unnamed spring)	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.1 N., R.2 E., at north side of U. S. Highway 830.	-	4-11-49 9- 7-51	2.96 1.03
Lake River basin					
Burntbridge Creek	Vancouver Lake	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.2 N., R.2 E., at road crossing.	7.91	8- 1-51 9- 6-51	1.90 1.72



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake River basin--Continued					
Burntbridge Creek	Vancouver Lake	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.2 N., R.1 E., at P Street, (crest-stage gage, "at Vancouver").	b21.6	2-10-49 2-24-50 12-23-50 2- 4-52 1-18-53 1-22-54 12-30-54 12-11-55 2-27-57 12- 6-57 1-24-59 2-15-60	99 77 83 56 78 88 16.7 176 55 46 57 50
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.2 N., R.1 E., at U. S. Highway 99.	22.1	8-19-41 6-15-51 7- 2-51 7-23-51 8- 1-51 8-14-51 9- 7-51	.12 7.81 4.66 3.02 2.37 2.62 3.50
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.2 N., R.1 E., at Hazel Dell Avenue.	25.5	4-12-49	10.0
Do.....	.....do.....	On west line NE $\frac{1}{4}$ sec.15, T.2 N., R.1 E., $\frac{1}{2}$ mile north of Vancouver.	25.8	8- 6-41 9- 4-41	.57 .40
Salmon Creek	Lake Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.3 N., R.3 E., at gaging station "near Battleground," (operated 1943-60).	18.3		
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.3 N., R.3 E., at road crossing.	22.0	4-12-49	27.9
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.3 N., R.2 E., at county road.	22.6	8- 6-41 8-18-41 9- 3-41 9-19-41 10- 9-41 4- 8-42 6- 2-42 8-27-42 10-13-42 9-17-47	3.36 2.58 10.1 16.7 55.8 25.5 66.1 5.80 4.07 4.24
Salmon Creek tributary (formerly unnamed creek)	Salmon Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.3 N., R.2 E., at road crossing.	.38		
Morgan Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.3 N., R.3 E., at road crossing, 0.6 mile north of Hockinson.	4.22	8- 1-51 9- 6-51	.72 .70
Mud Creek (formerly unnamed stream)	Morgan Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.3 N., R.3 E., at road crossing, 0.2 mile south of Hockinson.	1.32		
Morgan Creek (formerly Muddy Creek)	Salmon Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.3 N., R.2 E., $\frac{1}{2}$ mile above mouth.	7.38	8- 6-41 8-18-41 9- 3-41 9-19-41 10- 9-41 4- 8-42 6- 2-42 8-27-42 10-13-42 9-17-47	.70 .60 2.06 2.37 3.96 4.68 10.0 1.21 1.06 1.15
Salmon Creek	Lake River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.3 N., R.2 E., 300 ft below road crossing.	34.2	9- 6-51	1.28
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.3 N., R.2 E., 100 ft above Weaver Creek.	35.7	8- 6-41 8-18-41 9- 3-41 9-19-41 10- 9-41 4- 9-42 6- 2-42 8-27-42 10-18-42 9-17-47	4.51 3.55 11.5 20.2 62.4 33.2 79.9 7.08 5.82 5.95

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake River basin--Continued					
Weaver Creek	Salmon Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.4 N., R.2 E., at State Highway 1S.	3.87	7-31-51 9- 6-51	1.22 .95
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.3 N., R.2 E., 100 ft below State Highway 1U.	6.47	8- 6-41 8-18-41 9- 3-41 9-19-41 10- 9-41 4- 8-42 6- 2-42 8-27-42 10-13-42 9-17-47 8- 1-51 9- 6-51	.56 .42 1.39 1.00 3.03 3.78 11.3 1.22 .97 1.00 .34 .35
Salmon Creek	Lake River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.3 N., R.2 E., 500 ft above tributary.	46.6	6-15-51 9- 5-51	17.3 6.38
Salmon Creek tributary No. 2 (formerly unnamed creek)	Salmon Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.3 N., R.2 E., 150 ft above road crossing.	12.9	8- 5-41 8-18-41 9- 3-41 9-18-41 10- 9-41 4- 8-42 6- 1-42 8-27-42 10-13-42 9-17-47 8- 1-51	2.24 2.21 2.58 2.21 2.34 4.88 4.63 2.63 2.14 3.15 4.05
Salmon Creek tributary No. 3 (formerly unnamed creek)	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.3 N., R.2 E., 500 ft above mouth.	13.4	9- 5-51	4.86
Salmon Creek	Lake River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.3 N., R.2 E., at gaging station "near Brush Prairie," (operated Aug. to Nov. 1941).	b61.1	11-25-41 4- 8-42 6- 1-42 8-27-42 10-13-42 3-20-43 6-29-51 7-20-51 8- 1-51 8-14-51	74.4 49.8 112 13.9 12.7 71.2 11.4 9.08 11.9 7.79
Mill Creek	Salmon Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.3 N., R.1 E., at road crossing above mouth.	14.0	8- 5-41 8-18-41 9- 3-41 9-18-41 10- 9-41 4- 8-42 5- 1-42 8-27-42 10-13-42 9-17-47 7-31-51 9- 5-51	.64 .42 1.08 .67 .98 2.97 4.94 .46 .60 .67 .59 .39
Salmon Creek	Lake River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.3 N., R.1 E., at road crossing.	77.5	4-12-49	46.6
Salmon Creek tributary No. 4 (formerly unnamed creek)	Salmon Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.3 N., R.1 E., at road crossing.	-	7-31-51	.70
Salmon Creek tributary No. 5 (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.3 N., R.1 E., at road crossing 0.1 mile above mouth.	1.16	8- 1-51 9- 5-51	1.53 1.10
Salmon Creek	Lake River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.3 N., R.1 E., at gaging station "near Vancouver," (operated June to Sept. 1951).	b80.7	10- 4-51	66.7

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lake River Basin--Continued					
Salmon Creek	Lake River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.3 N., R.1 E., at U. S. Highway 99.	80.9	8-30-28 5-27-29 8- 5-29 8- 5-41 8-18-41 9- 2-41 9-18-41 10- 9-41 4- 8-42 6- 1-42 8-27-42 10-13-42 4- 4-50 4-10-50 5-15-50 5-24-50 7- 5-50 7-17-50 8- 7-50 8-18-50	14.6 38.7 15.4 16.2 12.5 36.6 28.3 85.0 56.6 131 18.5 17.4 216 271 68.6 46.5 24.7 22.5 18.6 16.2
Salmon Creek tributary No. 6 (formerly unnamed creek)	Salmon Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.3 N., R.1 E., at Hazel Dell Avenue.	1.39	8- 3-51 9- 5-51	1.74 1.84
Salmon Creek tributary No. 7 (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.3 N., R.1 E., at Hazel Dell Avenue.	.81		
Salmon Creek	Lake River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.3 N., R.1 E., above Cougar Canyon.	85.2	8- 5-41 8-18-41 9- 2-41 9-18-41 10- 8-41 4- 8-42 4-27-42 10-13-42 9-17-47	20.6 15.7 53.5 35.3 105 61.4 21.5 19.2 22.4
Cougar Canyon Creek	Salmon Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.3 N., R.1 E., at road crossing.	-	7-31-51 9- 6-51	1.53 1.63
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.3 N., R.1 E., 400 ft above mouth.	2.52	8- 5-41 8-18-41 9- 2-41 9-18-41 10- 8-41 4- 8-42 9-17-47	.59 .49 .64 .72 .32 .84 1.00
Whipple Creek	Lake River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.3 N., R.1 E., at U. S. Highway 99.	1.79	9-19-47	.01
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.3 N., R.1 E., at State Highway 1T.	8.85	9-19-47 7-31-51 9- 6-51	1.63 2.80 2.34
Flume Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.3 N., R.1 E., at State Highway 1T.	.24		
Gee Creek	Columbia River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.4 N., R.1 E., at U. S. Highway 99.	4.92		
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.4 N., R.1 E., at road crossing.	5.29	9-18-47	.07
Gee Creek tributary	Gee Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.4 N., R.1 E., at new U. S. Highway 99.	1.70		
Gee Creek	Columbia River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.4 N., R.1 E., at State Highway 1T.	11.6	9-18-47 7- 3-51 7-19-51 7-31-51 8-14-51 9- 6-51	.59 .93 .48 .23 .43 .25

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lewis River basin					
No Name Creek	Lewis River	W $\frac{1}{2}$ sec.36, T.9 N., R.9 E., at 3,500 ft contour.	-	6-13-20	13.1
Allen Creek	.....do.....	E $\frac{1}{2}$ sec.2, T.9 N., R.8 E., at 3,500 ft contour.	-	6-13-20	7.9
Swampy Creek	.....do.....	N $\frac{1}{2}$ sec.15, T.9 N., R.8 E., at 3,500 ft contour on McClellan Trail.	-	6-11-20	9.0
Lewis River	Columbia River	NE $\frac{1}{4}$ sec.12, T.8 N., R.8 E., 1 mile above Steamboat Creek.	64.9	9- 1-29	116
Do.....	.....do.....	SW $\frac{1}{4}$ sec.18, T.8 N., R.8 E., below upper falls.	-	8-12-09	243
Do.....	.....do.....	SW $\frac{1}{4}$ sec.24, T.8 N., R.7 E., at gaging station "near Trout Lake," (operated 1959-60).	127		
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.8 N., R.7 E., one mile below Sheep Bridge.	-	9- 2-29	134
Big Creek	Lewis River	SE $\frac{1}{4}$ sec.17, T.7 N., R.8 E., at Skookum Meadow-Hungry Peak trail crossing.	-	9- 9-59	7.02
Big Creek tributary (formerly unnamed stream)	Big Creek	SE $\frac{1}{4}$ sec.17, T.7 N., R.8 E., at mouth, 1,000 ft below Skookum Meadow-Hungry Peak trail.	-	9- 9-59	.29
Big Creek	Lewis River	NE $\frac{1}{4}$ sec.13, T.7 N., R.7 E., at gaging station "below Skookum Meadow, near Trout Lake," (operated 1928-31, 1956-60).	13.2		
Rush Creek	.....do.....	NW $\frac{1}{4}$ sec.6, T.6 N., R.8 E., at gaging station "above Meadow Creek, near Trout Lake," (operated 1956-60).	b5.87		
Rush Creek tributary (formerly unnamed tributary)	Rush Creek (right bank)	NW $\frac{1}{4}$ sec.6, T.6 N., R.8 E., about 100 ft below "Rush Creek above Meadow Creek" and near mouth.	-	4- 8-56 4-26-56 7-11-56 8-22-56 9-25-56	1.72 3.57 16.3 .86 .57
Rush Creek	Lewis River	NW $\frac{1}{4}$ sec.1, T.6 N., R.8 E., at gaging station "above Meadow Creek near Guler," (operated July 1929 to Sept. 1930).	10.1	5-24-29	117
Meadow Creek	Rush Creek	NW $\frac{1}{4}$ sec.20, T.7 N., R.8 E., at north end of Lone Butte Meadows..	b.72	3- 4-57 3-26-57 6- 6-57 7-17-57	1.12 .67 .85 .21
Do.....	.....do.....	N $\frac{1}{2}$ sec.30, T.7 N., R.8 E., above Lone Butte Fork.	3.41		
Lone Butte Fork	Meadow Creek	NE $\frac{1}{4}$ sec.30, T.7 N., R.8 E., 16 miles northwest of town of Trout Lake.		7-17-57	11.9
Do.....	.....do.....	500 ft above mouth and 700 ft below above site.	b5.35	3- 4-57 3-26-57 5- 1-57 6- 5-57 7-17-57	13.1 11.5 72.3 29.7 12.2
Meadow Creek	Rush Creek	NW $\frac{1}{4}$ sec.30, T.7 N., R.8 E., below Lone Butte Fork.	8.76	7-17-57	23.5
Meadow Creek tributary (formerly unnamed tributary)	Meadow Creek (left bank)	SW $\frac{1}{4}$ sec.30, T.7 N., R.8 E.	-	6- 5-57	4.59
Meadow Creek tributary No. 2 (formerly unnamed tributary)	Meadow Creek (right bank)	SE $\frac{1}{4}$ sec.25, T.7 N., R.7 E., $\frac{1}{4}$ mile' above mouth.	b.87	6- 5-57	4.88
Meadow Creek	Rush Creek	NW $\frac{1}{4}$ sec.31, T.7 N., R.8 E., below meadow.	11.4	7-17-57	44.3

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lewis River basin--Continued					
Meadow Creek	Rush Creek	SE $\frac{1}{4}$ sec.25, T.7 N., R.8 E., 1,270 ft above gaging station.	-	7-31-57	37.1
Do.....	.....do.....	NW $\frac{1}{4}$ sec.31, T.7 N., R.8 E., 940 ft above gaging station.	-	7-31-57	40.8
Do.....	.....do.....	NW $\frac{1}{4}$ sec.31, T.7 N., R.8 E., 610 ft above gaging station.	-	7-31-57	52.3
Do.....	.....do.....	SW $\frac{1}{4}$ sec.31, T.7 N., R.7 E., at gaging station "below Lone Butte Meadow, near Trout Lake," (operated 1928-31, 1955-60).	11.7		
Rush Creek	Lewis River	NE $\frac{1}{4}$ sec.34, T.7 N., R.7 E., 3/8 mile above gaging station "above falls".	25.5	9-12-57	126
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.7 N., R.7 E., at gaging station "above falls, near Cougar," (operated 1928-31, 1955-60).	26.0		
Curly Creek	Lewis River	NW $\frac{1}{4}$ sec.3, T.6 N., R.7 E., at gaging station "near Cougar," (operated 1956-60).	611.6		
Lewis River	Columbia River	SE $\frac{1}{4}$ sec.30, T.7 N., R.7 E., at gaging station "above Muddy River, near Cougar," (operated 1927-34, 1955-60).	227	8-13-09	430
Do.....	.....do.....	SE $\frac{1}{4}$ sec.24, T.7 N., R.6 E., 1/2 mile above Muddy River.	-	8- 8-09	427
Do.....	.....do.....	SE $\frac{1}{4}$ sec.24, T.7 N., R.6 E., 400 ft above Muddy River.	230	8-13-07 8-11-24	404 290
Clearwater Creek	Muddy River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.9 N., R.6 E., 1/2 mile above Paradise Falls.	21.5	8-29-29	16.3
Muddy River	Lewis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.8 N., R.6 E., 2,000 ft below Clearwater Creek.	70.8	8-30-29	111
Clear Creek	Muddy River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.7 N., R.6 E., at mouth.	49.1	8-30-29	19.3
Muddy River	Lewis River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.7 N., R.6 E., at gaging station "below Clear Creek, near Cougar," (operated 1955-60).	131		
Do.....	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.7 N., R.6 E., at gaging station "near Cougar," (operated 1928-34, record equivalent to above site).	135	8-13-07 8- 6-09 8-11-24	220 317 117
Pine Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.7 N., R.6 E., at gaging station "near Cougar," (operated 1958-60).	b22.4		
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.14, T.7 N., R.6 E., 1 mile above mouth.	25.1	6- 8-28 7- 8-28 7-26-28 8-27-28 8-31-28 9-13-28 10- 1-28 10- 8-28 10-18-28 10-24-28 11- 9-28 11-26-28 12- 7-28 12-17-28 12-29-28 1- 6-29 1-17-29 1-25-29 2- 9-29 2-22-29 3- 8-29 3-18-29 3-24-29 3-28-29 4- 3-29 4-18-29 4-25-29 5- 7-29 5-16-29	214 198 208 162 158 127 143 217 180 150 248 156 127 162 197 175 121 106 92 108 122 170 179 435 176 191 221 191 246

b Revised.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lewis River basin--Continued					
Pine Creek (Cont.)	Lewis River			6- 1-29 6-10-29 6-12-29 7- 8-29 7-25-29 8-15-29 8-25-29 8-30-29 9-20-29 10- 2-29 10-17-29 10-23-29 11- 1-29 11- 7-29 11-16-29 11-24-29 12- 6-29 12-17-29 12-26-29 1- 9-30 1-20-30 1-27-30 2- 9-30 2-18-30 2-20-30 3- 3-30 3-11-30 3-22-30 3-30-30 4- 9-30 4-18-30 4-28-30 5- 5-30 5-14-30 5-22-30 5-29-30 6- 6-30 6-22-30 8- 9-30 9- 8-30 10-14-30	145 177 160 153 142 122 115 132 121 107 126 116 116 112 112 107 100 204 263 170 147 126 349 311 488 165 141 369 227 193 170 166 167 132 199 158 136 104 100 92 91
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.7 N., R.6 E., at trail crossing $\frac{1}{2}$ mile above mouth.	25.7	2-27-28 4-14-28 4-26-28 5-13-28 5-21-28 5-27-28	194 359 299 290 266 238
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.7 N., R.6 E., $\frac{1}{4}$ mile above mouth.	26.0	8- 4-09	142
Lewis River	Columbia River	SE $\frac{1}{4}$ sec.28, T.7 N., R.5 E., at gaging station "above Swift Creek, near Cougar," (operated July to Oct. 1909).	454	11- 8-11	2,360
Swift Creek	Lewis River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.7 N., R.5 E., below West Fork.	16.3	2- 1-20 4- 8-26 5-28-29 6- 5-29 6- 7-29 6-16-29 8-16-29	277 135 175 166 161 211 111
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.7 N., R.5 E., at gaging station "near Cougar," (operated 1924-34, Aug. 1954 to July 1956).	b21.2	7-27-09 1-20-20 1-23-20 1-28-20	179 227 193 360
Lewis River	Columbia River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.7 N., R.5 E., at gaging station "near Cougar," (operated June 1910 to Mar. 1912, gage-heights only; 1924-58).	481	6-22-10	2,020
Siouxon Creek	Lewis River	NW $\frac{1}{4}$ sec.27, T.6 N., R.4 E., at Yale.	66.3	7-21-09	46
Cougar Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.7 N., R.4 E., at highway bridge at Cougar.	4.00	7-21-09 9- 9-24 10-18-24	105 38 88.6

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lewis River basin--Continued					
Dog Creek	Lewis River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.5 N., R.4 E., at Cougar, (crest-stage gage, "near Cougar").	2.31	12-11-55 12-26-57 11-12-59 1-28-60 11-24-60	420 240 279 203 307
Canyon Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.5 N., R.4 E., at gaging station "near Amboy," (operated 1922-34).	664.9		
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.6 N., R.4 E., at mouth.	66.9	7-10-07	71
Lewis River	Columbia River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.6 N., R.3 E., at gaging station "near Amboy," (operated 1910-30).	665	7- 7-07 9-21-07 9-26-10 5- 5-30 5-20-30	1,510 1,350 1,140 4,770 2,810
Speelya1 Creek	Lewis River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.6 N., R.4 E., 20 ft below first tributary from right.	12.1	9-11-45	15.3
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.6 N., R.4 E., at gaging station "near Cougar," (operated 1959-60).	12.6	9-11-45	15.5
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.6 N., R.3 E., 100 ft above former mouth. (Stream was diverted into Yale Reservoir Mar. 30, 1959).	17.4	6-26-52 7-21-52 8- 7-52 9- 5-52 9-24-52 7- 7-53 7-21-53 8-11-53 9-22-53 9- 2-54 9-21-54	38.9 24.6 19.5 12.5 11.2 46.6 30.9 22.6 23.7 26.4 28.9
Lewis River	Columbia River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.5 N., R.2 E., at gaging station "at Ariel". Operated July to Oct. 1909 (gage heights only), July to Oct.1922, July 1923 to Sept. 1960.	731		
Cedar Creek	Lewis River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.5 N., R.3 E., at State Highway 1S at Yacolt.	9.69	9-18-47 6-16-51 6-28-51 7-20-51 8- 2-51 8-13-51 9- 6-51	3.91 8.97 6.40 3.65 2.82 2.74 1.75
Cedar Creek tributary (formerly unnamed creek)	Cedar Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.5 N., R.3 E., at State Highway 1S.	.64		
Cedar Creek tributary No. 2 (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.5 N., R.3 E., at road crossing.	.46		
Cedar Creek tributary No. 3 (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.5 N., R.3 E., at road crossing.	.10		
Cedar Creek	Lewis River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.5 N., R.3 E., 100 ft above Chelatchie Creek at Amboy.	14.0	9-18-47 6-14-51 6-29-51 7-20-51 8- 2-51 8-14-51 9- 5-51	2.33 15.0 8.80 5.39 4.37 3.77 2.55
Chelatchie Creek	Cedar Creek	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.5 N., R.3 E., at State Highway 1S.	1.10	8- 1-51 9- 5-51	.29 0
Chelatchie Creek tributary (formerly unnamed creek)	Chelatchie Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.5 N., R.3 E., at State Highway 1S.	5.58	8- 1-51 9- 5-51	2.10 1.52

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lewis River basin--Continued					
Chelatchie Creek	Cedar Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.16, T.5 N., R.3 E., at gaging station "at Amboy," (operated June to Sept. 1951).	b12.8	10- 3-51 6-26-52 7-21-52 8- 6-52 9- 4-52 9-24-52	23.1 9.66 6.63 5.14 5.69 4.17
Cedar Creek tributary No. 4 (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.5 N., R.3 E., at road crossing.	1.47	8- 2-51 9- 5-51	0 0
Brush Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.5 N., R.3 E., 150 ft below road crossing.	1.95	8- 1-51 9- 5-51	.31 .20
John Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.5 N., R.2 E., at road crossing.	1.74	8- 1-51 9- 5-51	.31 .13
Cedar Creek tributary No. 5 (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.5 N., R.2 E., near mouth.	.58		
Cedar Creek	Lewis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.5 N., R.2 E., at gaging station "near Ariel," (operated June 1951 to Sept. 1955).	b40.8	6- 9-42 8-26-42 10-12-42	152 17.3 10.5
Cedar Creek tributary No. 6 (formerly unnamed creek)	Cedar Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.5 N., R.2 E., at road crossing.	1.80	8- 2-51	.14
Cedar Creek tributary No. 7 (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.5 N., R.2 E., at road crossing.	2.05	8- 2-51 9- 5-51	.24 .16
Pup Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.5 N., R.2 E., at road crossing.	3.78	9-18-47 8- 1-51 9- 5-51	1.39 .82 .55
Cedar Creek	Lewis River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.5 N., R.2 E., 500 ft below old Grist Mill.	52.6	8-26-42 10-12-42 9-18-47	20.6 12.3 12.9
Cedar Creek tributary, east branch (formerly unnamed creek)	Cedar Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.5 N., R.2 E., at road crossing.	.59	9- 5-51	0
Cedar Creek tributary, west branch (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.5 N., R.2 E., at road crossing.	.33	9- 5-51	.05
Cedar Creek	Lewis River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.5 N., R.2 E., 1/3 mile south of Etna.	54.7	6- 9-42	187
Lewis River tributary (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.5 N., R.1 E., at road crossing $\frac{1}{2}$ mile above mouth.	.71	9- 5-51	0
Lewis River tributary No. 2 (formerly unnamed creek)	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.5 N., R.1 E., at road crossing.	3.81		
Lewis River tributary No. 3 (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.5 N., R.1 E., at road crossing, 0.4 mile above mouth.	1.40		

b Revised.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lewis River basin--Continued					
Lewis River tributary No. 4 (formerly unnamed creek)	Lewis River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.5 N., R.1 E., at road crossing near mouth.	.27	9- 5-51	0.15
Lewis River tributary No. 5 (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19 (lot 43), T.5 N., R.1 E., at road crossing $\frac{1}{2}$ mile southeast of Woodland.	.83	9- 5-51	0
Lewis River tributary No. 6 (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.5 N., R.1 E., at road crossing $1\frac{1}{2}$ miles southeast of Woodland.	.82		
East Fork Lewis River	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.4 N., R.4 E., at gaging station "near Yacolt," (operated June to Sept. 1951).	630.2	10- 3-51	828
Jack Mountain Creek	East Fork Lewis River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.4 N., R.4 E., at road crossing above mouth.	.48		
Copper Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.4 N., R.5 E., 60 ft below Forest Service road.	11.5	6-28-51 7-20-51 8- 3-51 8-13-51 9-13-51 6-24-52 7-18-52 8- 6-52 9- 4-52 9-24-52 7- 6-53 7-21-53 8-11-53	12.2 9.93 7.71 7.84 4.75 27.2 16.7 7.53 4.76 5.94 20.6 15.6 9.62
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.4 N., R.4 E., at mouth.	15.0	8- 3-51 9-13-51	11.4 7.13
Anaconda Creek	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.4 N., R.4 E., at mouth	1.44	8- 3-51 9-13-51	.51 .23
Nichols Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.4 N., R.4 E., at mouth.	1.49	8- 2-51 9-13-51	1.16 .22
King Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.4 N., R.4 E., at mouth.	7.16	8- 3-51 9-13-51	3.13 1.80
East Fork Lewis River tributary (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.4 N., R.4 E., at road crossing near mouth.	1.22	8- 2-51 9-13-51	.45 .16
Mrs. O Creek	.....do.....	SW $\frac{1}{4}$ sec.21, T.4 N., R.4 E., at road crossing, 3.5 miles west of Sunset guard station.	-	8- 2-51	0
Roger Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.4 N., R.4 E., at road crossing near mouth.	2.03	8- 2-51 9- 6-51	.72 .39
Cedar Creek	Rock Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.4 N., R.4 E., above mouth.	11.3	6-26-52 7-18-52 8- 6-52 9- 4-52 9-24-52	11.2 7.76 5.28 3.52 3.01
Rock Creek	East Fork Lewis River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.4 N., R.4 E., 100 ft above footbridge.	27.5	6-16-51 6-29-51 7-20-51 8- 3-51 8-13-51 9- 6-51 6-26-52 9- 4-52 9-24-52 7- 6-53 7-21-53 8-11-53	36.6 21.3 17.3 14.2 12.9 9.74 31.6 9.39 8.83 33.7 27.7 19.5

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lewis River basin--Continued					
Rock Creek	East Fork Lewis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.4 N., R.4 E., at mouth.	33.3	8- 3-51 9- 6-51	16.1 11.2
Yacolt Creek	Big Tree Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.4 N., R.3 E., at State Highway 1S.	5.71	8- 2-51 9- 6-51	2.10 1.67
Big Tree Creek	East Fork Lewis River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.4 N., R.3 E., at State Highway 1S.	16.1	8- 2-51 9- 6-51	4.28 2.85
Big Tree Creek tributary (formerly unnamed creek)	Big Tree Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.4 N., R.3 E., at State Highway 1S.	2.37	8- 2-51 9- 6-51	.21 .11
East Fork Lewis River tributary No. 2 (formerly unnamed creek)	East Fork Lewis River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.4 N., R.3 E., at State Highway 1S.	.35		
East Fork Lewis River tributary No. 3 (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.4 N., R.3 E., at State Highway 1S.	1.13	9- 6-51	0
Basket Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.4 N., R.3 E., at mouth.	1.23	11- 5-47 3-10-54	3.49 13.0
East Fork Lewis River	Lewis River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.4 N., R.3 E., at gaging station "near Heisson," (operated 1930-60).	125	9-10-29	44.4
East Fork Lewis River tributary No. 4 (formerly unnamed creek)	East Fork Lewis River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.4 N., R.3 E., at State Highway 1S.	.25	8- 3-51 9- 6-51	0 0
East Fork Lewis River	Lewis River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.4 N., R.3 E., $\frac{1}{2}$ mile above Heisson bridge.	127	7-25-14	101
East Fork Lewis River tributary No. 5 (formerly unnamed creek)	East Fork Lewis River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.4 N., R.3 E., at State Highway 1S.	1.31		
East Fork Lewis River	Lewis River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.4 N., R.3 E., at Heisson bridge.	128	9-24-19 9-10-28 6-17-29	111 50.4 709
Rock Creek	East Fork Lewis River (right bank)	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.4 N., R.2 E., at State Highway 1S.	9.94	7-31-51	0
East Fork Lewis River	Lewis River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.4 N., R.2 E., 200 ft above road crossing.	154	8-17-53	68.9
East Fork Lewis River tributary No. 6 (formerly unnamed creek)	East Fork Lewis River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.4 N., R.2 E., at road crossing.	2.42	8- 1-51 9- 5-51	.65 .46
Mason Creek (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.4 N., R.1 E., at road crossing.	10.4	8- 1-51 9- 5-51	.30 .31
East Fork Lewis River tributary No. 7 (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.4 N., R.1 E., at road crossing.	.82		

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Lewis River basin--Continued					
Lockwood Creek	East Fork Lewis River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.4 N., R.1 E., at road crossing.	9.88	7-31-51 9- 5-51	.81 .56
Breeze Creek (formerly Varzee Creek)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.4 N., R.1 E., 300 ft above road bridge.	3.10	7-31-51 9- 5-51	.49 .42
East Fork Lewis River	Lewis River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.4 N., R.1 E., 800 ft below bridge at La Center.	199	9- 2-54 9-21-54	123 148
East Fork Lewis River tributary No. 8 (formerly unnamed creek)	East Fork Lewis River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.4 N., R.1 E., at U. S. Highway 99, (crest-stage "near Woodland").	.53	12-28-49 12-23-50 1-22-53 1-22-54 12-30-54 12-11-55 2-26-57 12-19-57 1- 9-59 3-29-60 11-24-60	50.6 36.2 14.1 44.8 55.8 192 31.5 20.9 26 44 96
Jenny Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.5 N., R.1 E., at road crossing.	3.89	7-31-51 9-15-51	.13 .17
Flaeger Creek	Jenny Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.5 N., R.1 E., at road crossing near mouth.	.42		
East Fork Lewis River tributary No. 9 (formerly unnamed creek)	East Fork Lewis River	NE $\frac{1}{4}$ sec.32, T.5 N., R.1 E., at road crossing.	.18	9- 5-51	0
Schoolhouse Creek basin					
Schoolhouse Creek (formerly Third Creek)	Columbia River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29 (lot 37), T.6 N., R.1 W., below forks.	3.82	8- 1-51 9- 4-51	.35 .20
Kalama River basin					
Kalama River	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.7 N., R.4 E., $\frac{1}{2}$ miles above Fossil Creek.	11.8	4- 7-26 6-30-26 7- 3-26	41.1 28.0 26.7
Cold Springs	Kalama River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.7 N., R.4 E., near mouth.	-	7- 3-26	19.6
Spring Outlet of Merrill Lake	.....do.....	Sec.7, T.7 N., R.4 E., 5 miles northwest of Cougar.	-	7-24-26	28.1
Kalama River	Columbia River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.7 N., R.4 E., below Cold Springs.	38.2	7- 1-26 7- 3-26	166 167
Do.....	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.7 N., R.3 E.	65.1	8- 6-26	149
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.7 N., R.2 E., 100 ft above Elk Creek.	78.0	7-31-51	213
Elk Creek	Kalama River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.7 N., R.2 E., near mouth.	11.3	8- 6-26 7-31-51	9.92 7.75
Kalama River	Columbia River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.7 N., R.2 E., 1,200 ft below Elk Creek.	89.3	8-11-26	150
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.7 N., R.2 E., about 1 mile above Pigeon Springs.	-	5-22-26 8-14-26	606 169
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.7 N., R.2 E., $\frac{1}{2}$ mile above Gobar Creek, and $\frac{1}{2}$ mile east of Pigeon Springs.	112	11-10-23 7-10-24	176 182
Gobar Creek (formerly Rock Creek)	Kalama River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.7 N., R.1 E., 100 ft below road crossing.	21.2	6-13-51 6-27-51 7-12-51 7-31-51 8-13-51 8-27-51 6-27-52 7-23-52 8- 7-52 9-23-52	26 21 16.8 14.7 13.6 11.2 20.4 17.8 14.6 9.66

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Kalama River basin--Continued					
Wild Horse Creek	Kalama River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.7 N., R.1 E., at road crossing.	8.23	7-31-51 8-27-51	3.90 3.39
Little Kalama River	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.22, T.6 N., R.1 E., at Little Kalama River Road.	3.31	7- 7-53 7-21-53 8-11-53 9-23-53 9- 2-54 9-22-54	2.88 1.97 1.88 1.65 2.28 2.40
Do.....	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.6 N., R.1 E., at mouth.	11.5	7-31-51 8-27-51	4.66 3.96
Kalama River	Columbia River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.6 N., R.1 E., at gaging station "near Kalama," (operated 1911-13, 1916-32).	178	12-22-33 12- 7-53	†42,000 3,770
Italian Creek	Kalama River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.6 N., R.1 E., at road crossing near mouth.	3.30	7-31-51 8-27-51	1.01 .86
Woolford Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.6 N., R.1 W., at road crossing.	1.42	7-31-51 8-27-51	.21 .16
Indian Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.6 N., R.1 W., at road crossing near mouth.	2.20	7-30-51 8-27-51	.30 .30
Kalama River tributary (formerly unnamed creek)	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.7 N., R.1 W., at Kalama River Road.	.61	8-27-51	.07
Kalama River tributary No. 2 (formerly unnamed creek)	.....do.....	W $\frac{1}{2}$ sec.35, T.7 N., R.1 W., at Kalama River Road.	-	8-27-51	0
Kalama River tributary No. 3 (formerly unnamed creek)	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.7 N., R.8 W., at Kalama River Road.	.22	8-27-51	.07
Kalama River	Columbia River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.7 N., R.1 W., above hatchery intake.	192	8-20-45 9-12-45	230 271
Hatchery Creek (formerly Fallert Creek)	Kalama River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.7 N., R.1 W., at bridge near salmon hatchery.	5.96	7-30-51 8-27-51	1.08 .70
Kalama River	Columbia River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.7 N., R.1 W., at gaging station "below Italian Creek, near Kalama," (operated 1947-60).	b198	8-21-46	350
Kalama River tributary No. 4 (formerly unnamed creek)	Kalama River	E $\frac{1}{2}$ sec.32, T.7 N., R.1 W., at Kalama River Road.	-	8-27-51	0
Streams between Kalama River and Cowlitz River basins					
Columbia River tributary	Columbia River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.7 N., R.1 W., at old U. S. Highway 99 at Carrols, (crest-stage gage "at Carrols").	1.06	12-28-49 12-23-50 2- 3-52 1-18-53 12- 9-53 1- 4-54 2- 8-55 12-11-55 12- 9-56 12-19-57 1-24-59 11-21-59 11-20-60	55.0 58.5 54.8 34.0 80.4 †57.5 50.1 112 29 53 38 44 50

† Peak flow

‡ Discharge measurement.

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Streams between Kalama River and Cowlitz River basins--Continued					
Columbia River tributary (formerly unnamed creek)	Columbia River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.7 N., R.1 W., at old U. S. Highway 99.		9- 4-51	.11
Owl Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.7 N., R.1 W., at Rose Valley Road.	7.60	7-30-51 8-27-51	.15 .15
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.7 N., R.2 W., below old U. S. Highway 99.	7.81	8- 1-51 9- 4-51	.24 .17
Cowlitz River basin					
Ohanapcosh River	Cowlitz River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.15 N., R.10 E., 2 miles above park boundary.	61.6	10-11-11	82.6
Summit Creek	Ohanapcosh River	NE $\frac{1}{4}$ sec.16, T.14 N., R.10 E., at Hot Springs Trail crossing.	32.9	10-11-11	21.6
Ohanapcosh River	Cowlitz River	NW $\frac{1}{4}$ sec.29, T.14 N., R.10 E., at gaging station "near Lewis," (now Packwood). Operated 1907-13.	b101	9-15-28 8-14-30	110 113
Clear Fork Cowlitz River	.....do.....	SE $\frac{1}{4}$ sec.8, T.13 N., R.11 E., at ford on White Pass Trail, 1,000 ft below Milridge Creek.	26.5	8-13-30	36.9
Lava Creek	Clear Fork Cowlitz River	SE $\frac{1}{4}$ sec.35, T.14 N., R.10 E., at White Pass Trail crossing.	3.82	8-13-30	11.3
Cortright Creek	.....do.....	SW $\frac{1}{4}$ sec.24, T.14 N., R.10 E., 3 miles above mouth.	8.66	8-14-30	12.4
Clear Fork Cowlitz River	Cowlitz River	NE $\frac{1}{4}$ sec.29, T.14 N., R.10 E., at gaging station "near Packwood." Operated 1907-17 (fragmentary), 1930-43, 1950.	b56.5	9-15-28	69.8
Purcell Creek	.....do.....	SW $\frac{1}{4}$ sec.29, T.14 N., R.10 E., at State Highway 5.	2.66		
Coal Creek	.....do.....	SW $\frac{1}{4}$ sec.6, T.13 N., R.10 E., at gaging station "at mouth, near Lewis." Operated 1910-14, 1914-15 (fragmentary).	10.7		
Do.....	.....do.....	NW $\frac{1}{4}$ sec.6, T.13 N., R.10 E., at State Highway 5.	10.8	8-30-50 9-22-50	14.2 7.06
Muddy Fork Cowlitz River	.....do.....	NE $\frac{1}{4}$ sec.36, T.14 N., R.9 E., $\frac{1}{2}$ mile above mouth.	52.5	9-15-28	310
Do.....	.....do.....	SE $\frac{1}{4}$ sec.36, T.14 N., R.9 E., at mouth.	-	8-27-10 10- 6-11	293 91.1
Lake Creek	.....do.....	SW $\frac{1}{4}$ sec.21, T.13 N., R.10 E., at gaging station "near Packwood," (operated Sept. 1911 to Sept. 1924, Sept. 1930 to Oct. 1942, Oct. 1949 to May 1954, Aug. 1959 to 1960).	b19.2	6-19-09 10- 4-24 8-12-30	140 75.7 66.2
Do.....	.....do.....	NE $\frac{1}{4}$ sec.20, T.13 N., R.10 E., 2,000 ft below outlet of Packwood Lake.	-	9-10-50	49.0
Do.....	.....do.....	NE $\frac{1}{4}$ sec.11, T.13 N., R.9 E., at gaging station "at mouth, near Lewis," (operated Sept. 1907 to 1915).	b26.5	8-16-07 9-16-28 8- 7-50 9- 6-50	89 50.3 127 80.9
Butter Creek	.....do.....	NW $\frac{1}{4}$ sec.10, T.13 N., R.9 E., at road crossing $\frac{1}{2}$ mile above mouth.	19.1	9-16-28	14.1
Cowlitz River	Columbia River	SE $\frac{1}{4}$ sec.16, T.13 N., R.9 E., at gaging station "at Packwood," (operated July 1911 to Dec. 1919, Sept. 1929 to Sept. 1960).	287	8-15-07 8-17-07 11-25-07 10-17-10 11-18-10 9-30-29	695 816 1,910 2,500 1,140 254
Skate Creek tributary	Skate Creek	NW $\frac{1}{4}$ sec.16, T.14 N., R.8 E., at Skate Creek Road (crest-stage gage "near Packwood").	1.32	1-24-59 11-22-59	43 150

b Revised.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Skate Creek tributary No. 2	.....do.....	NE $\frac{1}{4}$ sec.26, T.14 N., R.8 E., at Skate Creek Road, (crest-stage gage, "near Packwood").	2.03	1-24-59 11-22-59 11- -60	115 158 74
Skate Creek	Cowlitz River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.13 N., R.9 E., $\frac{1}{2}$ miles above mouth.	-	9-16-28	18.4
Do.....	.....do.....	NW $\frac{1}{4}$ sec.16, T.13 N., R.9 E., at gaging station "near Packwood," (operated July to Oct. 1950).	33.7	8-17-51 7- 8-52 7-28-52 8-15-52 9-23-52 8-16-54 9-24-54	18.4 88.6 29.8 22.3 14.3 45.6 33.6
Snyder Creek	Hall Creek	NW $\frac{1}{4}$ sec.26, T.13 N., R.9 E., below Snyder Lake.	.61	8-23-52 9-11-52 10- 3-52 8-17-54	.82 .61 .45 1.76
Hagar Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.13 N., R.9 E., 500 ft below Hagar Lake and at trail crossing.	3.36	8-23-52 9-11-52 10- 3-52	7.41 5.38 5.04
Do.....	.....do.....	SW $\frac{1}{4}$ sec.26, T.13 N., R.9 E., at gaging station "near Lewis," (operated Oct. 1911 to Sept. 1914).	63.74	9-11-13 9-11-52 10- 3-52 8-17-54	7.9 6.29 5.90 10.5
North Fork Hagar Creek	Hagar Creek	NW $\frac{1}{4}$ sec.26, T.13 N., R.9 E., at gaging station "near Lewis," (operated Oct. 1911 to Sept. 1914).	1.44	8-23-52 9-11-52 10- 3-52 8-17-54	3.39 2.64 2.91 4.47
Hall Creek	Cowlitz River	NW $\frac{1}{4}$ sec.33, T.13 N., R.9 E., at gaging station "near Packwood," (operated Oct. 1946 to Nov. 1948, June to Oct. 1950).	10.9	9-13-45 9- 6-46	9.71 14.2
Johnson Creek	.....do.....	SE $\frac{1}{4}$ sec.13, T.12 N., R.9 E., at gaging station "below West Fork (Deception Creek), near Lewis," (operated Oct. 1911 to Dec. 1912).	33.3	6-22-12 9- 8-13	233 41.6
Glacier Creek	Johnson Creek	SW $\frac{1}{4}$ sec.7, T.12 N., R.10 E., $\frac{1}{2}$ mile above mouth.	-	6-22-12 9- 8-13	74.3 19.2
Do.....	.....do.....	SE $\frac{1}{4}$ sec.12, T.12 N., R.9 E., 400 ft above mouth.	8.89	8-14-51 9-28-51 10-23-51 10-24-51 5- 7-52 6-20-52 8-24-52 9-12-52 10- 4-52 1-21-53 5-12-53 6-16-53 8-18-54	15.6 10.4 33.1 25.7 50.4 51.8 17.0 13.1 8.00 74.7 60.2 67.2 36.3
Johnson Creek	Cowlitz River	SE $\frac{1}{4}$ sec.12, T.12 N., R.9 E., at gaging station "below Glacier Creek, near Packwood," (operated July 1951 to May 1954).	42.8	8-18-54	108
Johnson Creek	Cowlitz River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.33, T.13 N., R.9 E., at former gaging station "near Packwood," (operated Sept. 1907 to Mar. 1914, Oct. 1918 to Sept. 1924, July to Oct. 1951).	46.6	8-14-07 6-15-14 6-18-14 10- 2-24 10- 4-24 9-17-28 8-15-30 8-24-52 9-12-52 10- 4-52	68 278 252 51.0 42.0 39.2 42.7 47.3 35.6 26.6

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Johnson Creek	Cowlitz River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.13 N., R.9 E., at former gaging station "near Packwood," (operated Oct. 1946 to Nov. 1948, July to Oct. 1950).	-	9-13-45 9- 6-46 6-29-50 8-31-51 9-13-51 9-28-51	30.3 50.3 712 43.6 34.9 39.2
Cowlitz River tributary (formerly unnamed creek)	.....do.....	SW $\frac{1}{4}$ sec.32, T.13 N., R.3 E., at State Highway 5.	-	8-29-50	0
Smith Creek	.....do.....	SW $\frac{1}{4}$ sec.32, T.13 N., R.9 E., at State Highway 5.	16.2	7-18-50 8- 8-50 9- 7-50	77.4 22.3 10.2
Dry Creek	.....do.....	NW $\frac{1}{4}$ sec.5, T.12 N., R.9 E., at State Highway 5.	4.22	8-29-50	0
Willame Creek	.....do.....	SE $\frac{1}{4}$ sec.31, T.13 N., R.9 E., 500 ft above mouth.	21.7	8-30-50 9-22-50	12.6 8.33
Cowlitz River tributary No. 2 (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ sec.12, T.12 N., R.8 E., at county road.	-	8-29-50	0
Burton Creek	.....do.....	SW $\frac{1}{4}$ sec.12, T.12 N., R.8 E., at State Highway 5.	2.07	8-29-50 9-21-50	1.45 .71
Garret Creek	.....do.....	SW $\frac{1}{4}$ sec.14, T.12 N., R.8 E., at State Highway 5.	1.81		
Cowlitz River tributary No. 3 (formerly unnamed creek)	.....do.....	NW $\frac{1}{4}$ sec.15, T.12 N., R.8 E., at State Highway 5.	-	8-29-50	0
Cowlitz River tributary No. 4 (formerly unnamed creek)	.....do.....	NW $\frac{1}{4}$ sec.22, T.12 N., R.8 E., at road crossing.	-	8-30-50	0
Kilborn Creek	.....do.....	NE $\frac{1}{4}$ sec.21, T.12 N., R.8 E., at road crossing.	5.09	8-30-50 7- 8-52 7-26-52 8-14-52 9-22-52	1.90 12.0 3.58 1.18 .14
Cougar Creek	.....do.....	NE $\frac{1}{4}$ sec.21, T.12 N., R.8 E., at road crossing.	.81	8-30-50	0
Owens Creek	.....do.....	SW $\frac{1}{4}$ sec.20, T.12 N., R.8 E., at road crossing.	1.45	7- 8-52 7-26-52 8-14-52 9-22-52	1.00 .41 .23 0
Cunningham Creek	.....do.....	SE $\frac{1}{4}$ sec.19, T.12 N., R.8 E., at road crossing.	1.27	7- 8-52 7-26-52 8-14-52 9-22-52	.95 .44 .21 .02
Davis Creek	Purcell Slough	NW $\frac{1}{4}$ sec.16, T.12 N., R.8 E., at former State Highway 5.	7.50	7-18-50 8- 8-50 9- 7-50	34.0 10.3 4.90
Hopkins Creek	.....do.....	SW $\frac{1}{4}$ sec.17, T.12 N., R.8 E., at former State Highway 5.	1.25	8-29-50	0
Sethe Creek	Cowlitz River	SW $\frac{1}{4}$ sec.7, T.12 N., R.8 E., at former State Highway 5.	.51	8-29-50	0
Surrey Creek	.....do.....	SE $\frac{1}{4}$ sec.11, T.12 N., R.7 E., at former State Highway 5.	2.44	8-29-50	0
Cowlitz River tributary No. 5 (formerly unnamed creek)	.....do.....	NE $\frac{1}{4}$ sec.22, T.12 N., R.7 E., at road crossing.	-	8-30-50	0

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Silver Creek	Cowlitz River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.12 N., R.7 E., at gaging station "near Randle," (operated July to Oct. 1950).	b51.8	9-18-28 10- 6-50	27.7 129
Mill Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.12 N., R.7 E., below Main Street in Randle, (crest-stage gage "at Randle").	b3.06	2-24-50 8-29-50 9-21-50 2-10-51 3-25-52 1-23-53 12- 9-53 1- 6-54 2- 8-55 12-11-55 12- 9-56 2-24-58 11-12-58 11-20-59	89.4 +.49 +.32 82.7 79.2 82.7 <105 +36.6 69.0 105 69.9 81.0 113 133
Cowlitz River	Columbia River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.12 N., R.7 E., at gaging station "at Randle," (operated Oct. 1910 to Dec. 1912).	541	6-10-12	5,800
Kiona Creek	Cowlitz River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.12 N., R.6 E., at state Highway 5.	9.21	10- 6-49	15.4
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.12 N., R.6 E., at county road.	11.6	6-29-50 7-20-50 8- 8-50 9- 9-50 8-16-51 7- 8-52 7-26-52 8-15-52 9-23-52 8-18-54	55.1 11.0 5.16 1.57 .21 6.91 3.53 .89 0 3.77
Squaw Creek	Kiona Creek	N $\frac{1}{2}$ sec.14, T.12 N., R.6 E., at county road.	-	6-29-50 9- 9-50	3.33 1.12
Blind Creek	Squaw Creek	NE $\frac{1}{4}$ sec.14, T.12 N., R.6 E., at road crossing.	-	8-28-50	0
Big Springs	Kiona Creek	NW $\frac{1}{4}$ sec.13, T.12 N., R.6 E., at old road crossing, 0.4 mile south of State Highway 5.	-	7-20-50 8- 8-50 9- 9-50	.91 .88 .53
Oliver Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.12 N., R.6 E., at State Highway 5.	2.55	8-28-50 9-20-50	1.23 .59
Peters Creek	.....do.....	SW $\frac{1}{4}$ sec.7, T.12 N., R.7 E., at State Highway 5.	1.52		
Kiona Creek	Cowlitz River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.12 N., R.7 E., at county road.	19.2	10-26-49 6-15-50	13.8 114
Siler Creek (formerly Silver Creek)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.12 N., R.7 E., at gaging station "near Randle," (operated June to Oct. 1950).	10.0		
Siler Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.12 N., R.7 E., at road crossing $\frac{1}{2}$ mile above mouth.	13.0	10- 6-49	10.6
Cispus River	.....do.....	NW $\frac{1}{4}$ sec.9, T.10 N., R.10 E., above Muddy Fork.	62.9	8-28-11	69.4
Muddy Fork Cispus River	Cispus River	NE $\frac{1}{4}$ sec.9, T.10 N., R.10 E., at mouth.	25.8	8-28-11	126
Cispus River	Cowlitz River	NW $\frac{1}{4}$ sec.23, T.10 N., R.9 E., 800 ft above road crossing.	108	8-31-50	302
Adams Creek	Cispus River	SW $\frac{1}{4}$ sec.22, T.10 N., R.9 E., at mouth.	24.4	8-20-11	65.7
Buck Creek	.....do.....	NE $\frac{1}{4}$ sec.17, T.10 N., R.9 E., at road crossing.	-	8-31-50	0

\* Discharge measurement.  
b Revised.



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Blue Lake Creek	Cispus River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.11 N., R.9 E., at road crossing.	4.25	8-31-50	7.96
North Fork Cispus River	.....do.....	SE $\frac{1}{4}$ sec.10, T.11 N., R.8 E., 200 ft below road crossing.	44.1	10- 6-49 7-19-50 8- 9-50 9- 8-50	61.3 133 63.4 41.4
Cispus River tributary (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ sec.16, T.11 N., R.8 E., at road crossing.	-	8-31-50	0
Camp Creek	.....do.....	NE $\frac{1}{4}$ sec.17, T.11 N., R.8 E., at road crossing.	3.13	8-31-50	.63
Dry Creek	.....do.....	NW $\frac{1}{4}$ sec.18, T.11 N., R.8 E., at road crossing.	-	8-31-50	0
Niggerhead Creek	.....do.....	NW $\frac{1}{4}$ sec.20, T.11 N., R.8 E., at gaging station "near Randle," (operated June 1950 to Oct. 1953; crest-stage gage thereafter).	66.3	12- 9-53 11-19-54 12-22-55 2-26-57 2-25-58 1- -59 11-23-59 11-24-60	2,500 1,730 2,820 3,340 2,610 2,170 1,790 2,600
Cispus River	Cowlitz River	SE $\frac{1}{4}$ sec.18, T.11 N., R.8 E., at gaging station "near Randle," (operated Oct. 1910 to Feb. 1912).	b316	6-11-12	2,450
Do.....	.....do.....	NW $\frac{1}{4}$ sec.18, T.11 N., R.8 E., at gaging station "near Randle," (operated Oct. 1911 to Feb. 1912, 1929-60).	b318	9-14-28 9-18-28 9-28-29	435 359 308
Tower Rock Springs	Cispus River	NE $\frac{1}{4}$ sec.13, T.11 N., R.7 E., at road crossing.	-	10-26-49 10- 1-51 10-24-51	3.97 3.71 6.87
Stump Creek	.....do.....	NW $\frac{1}{4}$ sec.12, T.11 N., R.7 E., at road crossing.	-	8-31-51	.67
Cispus River tributary No. 2 (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ sec.14, T.11 N., R.7 E., at road crossing.	-	9- 1-50	0
Greenhorn Creek	.....do.....	SE $\frac{1}{4}$ sec.15, T.11 N., R.7 E., 400 ft below road crossing near mouth.	16.1	7-19-50 8- 9-50 9- 1-50 8-17-51 7- 7-52 7-26-52 8-14-52 9-22-52 8-18-54	18.7 11.1 6.24 4.98 16.9 8.57 4.81 2.77 8.28
Iron Creek	.....do.....	NE $\frac{1}{4}$ sec.19, T.11 N., R.7 E., at road crossing near mouth.	37.1	9- 1-50	27.3
Cispus River tributary No. 3 (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.11 N., R.6 E., at road crossing.	-	9- 1-50	0
Cowlitz River	Columbia River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.11 N., R.5 E., at gaging station "near Kosmos," (operated Oct. 1927 to Sept. 1960).	1,042		
Goat Creek	Cowlitz River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.11 N., R.5 E., at road crossing near mouth.	11.4	7-20-50 8-10-50 9- 9-50	18.4 10.9 6.76
South Fork Rainy Creek	Rainy Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.12 N., R.6 E., at State Highway 5.	1.88	8-28-50	0
Stiltner Creek	South Fork Rainy Creek	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.12 N., R.6 E., at State Highway 5.	.71		

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
South Fork Rainy Creek	Rainy Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.12 N., R.6 E., 1,000 ft below Stiltner Creek.	3.37	8-28-50 9-21-50	2.38 2.10
North Fork Rainy Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.12 N., R.6 E., 50 ft below highway.	2.85	8-28-50 9-21-50	.57 .13
Rainy Creek tributary (formerly unnamed stream)	.....do.....	SW $\frac{1}{4}$ sec.7, T.12 N., R.6 E., at State Highway 5.	-	8-28-50	0
Lunch Creek	.....do.....	SE $\frac{1}{4}$ sec.12, T.12 N., R.5 E., 50 ft below State Highway 5.	-	8-28-50 9-21-50	.44 .23
Rainy Creek	Cowlitz River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.12 N., R.5 E., at gaging station "near Kosmos," (operated June 1950 to Oct. 1953).	18.4		
Do.....	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.12 N., R.5 E., $\frac{1}{4}$ mile above Steffen Creek.	21.1	9-14-28 10- 6-50	4.18 8.78
Steffen Creek (formerly Uden Creek)	Rainy Creek	NW $\frac{1}{4}$ sec.22, T.12 N., R.5 E., at road crossing.	2.41		
Frost Creek	Steffen Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.12 N., R.5 E., at road crossing.	1.32		
Steffen Creek	Rainy Creek	W $\frac{1}{2}$ sec.28, T.12 N., R.5 E., at State Highway 5.	6.16	8-29-50 9-21-50	1.25 .61
Do.....	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.12 N., R.5 E., at State Highway 5 at mouth.	6.39	9-14-28	.8
Landers Creek	Cowlitz River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.11 N., R.5 E., at gaging station "near Kosmos," (operated June to Oct. 1950).	10.2	10- 7-49 10-25-50 7- 8-52 7-28-52 8-15-52 9-23-52	1.79 20.2 10.7 6.13 6.15 2.83
Sand Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.12 N., R.5 E., at State Highway 5.	4.92	6-27-50 7-20-50 8-10-50 9- 9-50	.80 .35 .25 .19
Indian Creek	Landers Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.11 N., R.4 E., at road crossing.	1.93	8-27-50	0
Steel Canyon Creek	Cowlitz River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.11 N., R.4 E., at road crossing.	1.27	8-27-50	0
Cowlitz River	Columbia River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.12 N., R.4 E., at Nesika bridge.	1,113	9-13-23	1,460
Cowlitz River tributary No. 6 (formerly unnamed stream)	Cowlitz River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.12 N., R.4 E., at State Highway 5.	.59	8-27-50	0
Simmons Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.12 N., R.3 E., at road crossing near mouth.	4.42	8-27-50 9-20-50	2.10 1.48
Cowlitz River tributary No. 7 (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.24, T.12 N., R.3 E., at State Highway 5.	.83		
Sulphur Creek	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.12 N., R.3 E., 600 ft below State Highway 5.	7.26	8-27-50 9-20-50	1.00 .60
Cowlitz River	Columbia River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.12 N., R.2 E., at gaging station "at Mossyrock". Operated Nov. 1912 to June 1913 (fragmentary), Oct. 1913 to Sept. 1917, Mar. 1926 to Sept. 1935, Aug. 1946 to Oct. 1959.	bl,162	11- -06 7- 9-11 10-17-11 11-20-12 9- 4-13 9- 4-13	h61,300 4,330 1,490 7,730 4,680 6,110

b Revised.

h Flood peaks from floodmarks and rating curve.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Cowlitz River (Cont.)	Columbia River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.12 N., R.2 E., at gaging station "at Mossyrock".		9- 5-13 9-18-13 11- 8-25 11-25-59 11-24-59 11-25-60 11-28-60 12- 6-60 12-12-60 12-28-60 12-28-60	6,580 1,940 835 31,800 h52,000 31,800 9,560 4,710 4,020 4,810 4,870
Tilton River	Cowlitz River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.14 N., R.5 E., at State Highway 5, (crest-stage gage, "near Mineral").	.77	11-26-49 2-10-51 4-27-52 1-31-53 12- 9-53 1- 6-54 2- 8-55 12-11-55 12- 9-56 12-25-57 11-12-58 12-15-59 11-24-60	99 88.8 76.4 67.0 145 *30.5 74.3 142 134 45.7 88 89 66
Tilton River tributary (formerly unnamed stream)	Tilton River	S $\frac{1}{2}$ sec.5, T.13 N., R.5 E., at State Highway 5.	-	8-21-50	3.62
Tilton River tributary No. 2 (formerly unnamed stream)	.....do.....	SW $\frac{1}{4}$ sec.5, T.13 N., R.5 E., 50 ft above State Highway 5.	-	8-21-50	.19
Tilton River tributary No. 3 (formerly unnamed stream)	.....do.....	Line between secs.5 and 8, T.13 N., R.5 E., at State Highway 5.	-	8-21-50	0
Tilton River	Cowlitz River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.13 N., R.5 E., 75 ft above State Highway 5.	10.5	8-21-50 9-19-50	7.22 6.50
West Fork Tilton River	Tilton River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.13 N., R.4 E., at gaging station "near Morton," (operated June 1950 to 1960).	16.7	10- 7-49	78.8
Nineteen Creek	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.13 N., R.5 E., 75 ft above State Highway 5.	2.67	8-21-50 9-19-50 12- 9-53	1.42 1.00 12,340
East Fork Tilton River	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.13 N., R.4 E., 100 ft below State Highway 5.	27.0	10- 7-49 7-21-50 8-11-50 9-10-50 8-17-51 7- 7-52 7-28-52 8-15-52 9-23-52 8-18-53 8-18-54 9-20-54	67.0 26.0 17.0 11.7 8.85 31.5 15.0 11.1 6.60 16.6 23.2 53.3
Coal Canyon Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.13 N., R.4 E., at State Highway 5.	1.95	8-21-50	0
Tilton River	Cowlitz River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.13 N., R.4 E., at gaging station "at Morton," (operated June to Oct. 1950).	70.5		
Johnson Creek	Lake Creek	NW $\frac{1}{4}$ sec.17, T.12 N., R.5 E., at road crossing.	.92	8-28-50	0
Minnie Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.12 N., R.5 E., at road crossing.	1.40	8-28-50	0

‡ Discharge measurement.

h Flood peaks from floodmarks and rating curve.

i Contracted opening determination, result of upstream breakup of log jam.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Lake Creek	Tilton River	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.12 N., R.4 E.	10.4	8-27-50 9-21-50	.76 .95
Highland Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.12 N., R.4 E., 40 ft below road crossing.	3.70	8-27-50 9-21-50	2.54 1.73
Tilton River tributary No. 4 (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.13 N., R.4 E., 200 ft above State Highway 5.	.73	8-22-50	.78
Tilton River tributary No. 5 (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ sec.29, T.13 N., R.4 E., at downstream end of culvert.	-	8-22-50	.10
Tilton River tributary No. 6 (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ sec.30, T.13 N., R.4 E., at State Highway 5K.	-	8-22-50	0
North Fork Tilton River	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.13 N., R.4 E., 500 ft above mouth.	32.5	7-21-50 8-10-50 9-11-50	36.7 29.0 29.8
Barons Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.13 N., R.3 E., 25 ft below State Highway 5K.	2.69	8-22-50 9-19-50	.46 .30
Alder Creek	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.13 N., R.3 E., at State Highway 5K.	.31	8-26-50 9-19-50	.43 .38
Tilton River	Cowlitz River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.13 N., R.3 E., at gaging station "above Bear Canyon Creek, near Cinebar," (operated Oct. 1956 to 1960).	141	9-27-56	127
Tilton River tributary No. 7 (formerly unnamed stream)	Tilton River	SE $\frac{1}{4}$ sec.17, T.13 N., R.3 E., at highway crossing.	-	8-22-50	0
Bear Canyon Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.13 N., R.3 E., 50 ft below State Highway 5K.	2.56	8-26-50 9-20-50	5.68 2.47
Shermans Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.13 N., R.2 E., 100 ft above road crossing.	.42	8-26-50 9-19-50	.25 .23
Cinnabar Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.13 N., R.2 E., at gaging station "near Cinebar," (operated Oct. 1956 to 1960).	64.55	8-26-50 9-20-50	8.01 4.73
Tilton River	Cowlitz River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.13 N., R.2 E., at gaging station "near Cinebar," (operated Feb. 1941 to Mar. 1958).	156		
Do.....	.....do.....	NE $\frac{1}{4}$ sec.3, T.12 N., R.2 E., at road crossing near mouth.	159	7- 9-11 10-18-11 9-13-11 11-22-34 4-13-35 9-18-35	187 201 101 1,160 1,440 172
Klickitat Creek	Cowlitz River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.12 N., R.3 E., at gaging station "at Mossyrock," (operated Sept. 1948 to 1960).	3.29		
Klickitat Creek tributary	Klickitat Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.12 N., R.2 E., at mouth.	2.36		
Klickitat Creek	Cowlitz River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.12 N., R.2 E.	9.79		
Do.....	.....do.....	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.12 N., R.2 E., at State Highway 5.	10.4	9-21-50 1-18-60	0 19.9
Cowlitz River	Columbia River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.12 N., R.2 E., at gaging station "at Mayfield". Operated Aug. 1910 to Nov. 1911 (fragmentary).	1,343		

b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Winston Creek	Cowlitz River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.12 N., R.2 E., at gaging station "near Mayfield," (operated Oct. 1949 to Sept. 1960).	37.8	9-15-49	6.31
Silver Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.12 N., R.2 E., at road crossing.	2.14		
Cowlitz River	Columbia River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.12 N., R.1 E., at gaging station "near Mayfield," (operated April 1934 to 1960).	1,394		
Mill Creek	Cowlitz River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.13 N., R.2 E., 200 ft above State Highway 5K at Cinebar.	3.18	8-26-50 9-20-50	2.69 2.08
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.13 N., R.2 E., staff gage at bridge $\frac{1}{4}$ miles southwest of Cinebar.	5.06	6-28-56 7-16-56 9-12-56 10-30-56 12- 5-56 12-10-56 1-24-57 3- 8-57 3-18-57 4-17-57 5-25-57 6-28-57 8-20-57	7.57 4.54 2.70 35.8 10.2 77.8 8.85 84.3 26.3 12.7 19.5 5.39 3.16
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.12 N., R.1 E., at State Highway 5 at Salkum.	17.7	6-16-50 6-30-50 7-21-50 8-11-50 9-11-50 8-16-51 8-18-54 9-24-54	8.83 6.78 4.03 3.69 3.46 2.38 7.14 9.39
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.12 N., R.1 E., at gaging station "near Salkum".	b19.4		
Cowlitz River	Columbia River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.11 N., R.1 W., (stage station, "near Toledo", operated Oct. 1950 to 1960).	1,461		
Salmon Creek	Cowlitz River	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.11 N., R.1 E., 250 ft above road crossing.	27.0	7- 7-49 7-21-49 8- 5-49 8-16-49 8-30-49 9- 9-49 9-27-49 8-18-53	2.01 2.12 1.01 1.44 1.15 1.63 1.49 .97
Cedar Creek	Salmon Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.11 N., R.1 E., below road crossing and North Fork.	19.3	7- 7-49 7-21-49 8- 5-49 8-16-49 8-30-49 9- 9-49 9-27-49 8-18-53	.78 1.18 .57 .51 .45 .58 .57 .44
Salmon Creek	Cowlitz River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.11 N., R.1 W., at gaging station "near Toledo," (operated July to Sept. 1949).	77.5	10-14-49 11- 3-49 7- 7-50 7-26-50 9- 6-50 7- 8-52 7-25-52 8-12-52 7-10-53 7-23-53 8-10-53 9-25-53 9- 1-54 9-21-54*	20.5 17.1 3.86 2.34 1.68 4.22 2.07 1.07 8.03 3.81 2.53 2.20 10.8 17.4
Foster Creek tributary (formerly unnamed stream)	Foster Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.11 N., R.2 W., at U. S. Highway 99.	.51	8-31-49 9-26-49	.17 .23

b Revised.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Lacamas Creek	Cowlitz River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.12 N., R.1 W., at State Highway 5 at Ethel.	4.75	9- 8-49	.13
North Fork Lacamas Creek	Lacamas Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.12 N., R.1 E., at county road 1.5 miles northeast of Ethel, (crest-stage gage "near Ethel").	.36	2-24-50 1- 1-51 2- 4-52 1-23-53 12- 9-53 1- 6-54 2- 8-55 12-11-55 12- 9-56 2-13-58 1-24-59 11-22-59 11-20-60	29.2 19.4 16.4 14.1 33.2 45.63 23.3 34.3 18.6 15.6 24 28 27
Baker Creek	.....do.....	SW $\frac{1}{4}$ sec.11, T.12 N., R.1 W., at State Highway 5.	1.62	8-23-49	0
Lacamas Creek	Cowlitz River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.1, T.11 N., R.2 W., at State Highway 12E.	19.9	8-23-49 9- 8-49 9-26-49	.80 .88 .79
Do.....	.....do.....	NW $\frac{1}{4}$ sec.27, T.11 N., R.2 W., at State Highway 1P $\frac{1}{4}$ mile above bridge.	41.0	7- 8-49 7-18-49 8- 5-49 8-15-49 8-31-49 9-28-49 6-15-50 7- 7-50 7-26-50 9- 6-50 8-15-51 7- 7-52 7-24-52 8-13-52 9-24-52 7-10-53 7-23-53 8-12-53 9-21-53 9- 1-54 9-21-54	3.06 2.82 3.08 3.33 2.73 3.27 4.30 2.97 2.87 2.27 2.81 3.06 2.85 2.62 2.57 3.83 2.67 2.51 3.44 5.40 5.80
Hill Creek (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.10 N., R.2 W., on right of U. S. Highway 99, in Barnes State Park.	5.45	9-28-49	.37
Olequa Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.12 N., R.2 W., above North Fork.	11.1	7- 7-52 7-25-52 8-13-52 9-24-52 7-10-53 7-23-53 8-12-53 9-21-53 9- 1-54 9-21-54	3.45 3.46 3.08 3.39 3.81 3.48 3.88 3.89 .29 .25
North Fork Olequa Creek	Olequa Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.12 N., R.2 W., above mouth.	10.7	7- 7-52 7-25-52 8-13-52 9-24-52 7-10-53 7-23-53 8-12-53 9-21-53	.40 .33 .33 .26 .46 .29 .24 .28
Olequa Creek	Cowlitz River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.12 N., R.2 W., at gaging station "at Winlock," (operated Mar. 1949 to Oct. 1950).	35.8	5-29-42 8-23-42 8- 7-43 10-23-43	33.4 4.13 5.74 10.6
Curtis Creek (formerly unnamed stream)	Olequa Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.11 N., R.2 W., at Winlock-Vader Road.	4.04	8-23-49 9- 8-49 9-26-49	.21 .15 .17

\* Discharge measurement.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Olequa Creek tributary	Olequa Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.11 N., R.2 W., at Winlock-Vader Road, (crest-stage gage, "near Winlock").	0.37	11-26-49 2- 9-51 2- 3-52 1-18-53 12- 9-53 1- 6-54 2- 8-55 1- 5-56 12- 9-56 12-25-57 1-23-59 11-22-59 11-20-60	37.0 28.5 14.0 15.1 19.8 47.11 15.1 37.1 25.0 15.3 20.0 12 28
Snow Creek (formerly Ainslie Creek)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17, T.11 N., R.2 W., at Winlock-Vader Road.	1.45		
Duffy Creek	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.11 N., R.2 W., at Winlock-Vader Road.	.53		
Olequa Creek	Cowlitz River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.11 N., R.2 W., above Stillwater Creek.	54.7	5-29-42 8-23-42 8- 7-43 10-23-43	41.5 2.59 9.32 17.6
Becker Creek	Stillwater Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.10 N., R.3 W., above mouth.	3.23	8-23-49 9- 8-49 9-26-49	.66 .58 .73
Stillwater Creek	Olequa Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.10 N., R.3 W., below bridge on Highway 1P.	12.1	8-23-49 9- 8-49 9-26-49	2.85 2.47 3.00
Campbell Creek	Stillwater Creek	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.3, T.10 N., R.3 W., 20 ft below State Highway 1P.	6.98	8-23-49 9- 8-49 9-26-49	.53 .32 .52
Stillwater Creek	Olequa Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.11 N., R.3 W., at gaging station "near Vader," (operated July to Sept. 1949).	25.9	10-14-49 11- 4-49 6-14-50 7- 6-50 7-26-50 9- 6-50 7- 7-52 7-24-52 8-13-52 9-24-52	9.58 12.0 16.8 6.53 3.38 2.52 5.01 6.23 1.16 1.23
Brim Creek	Stillwater Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.11 N., R.3 W., at road $2\frac{1}{2}$ miles northwest of Vader.	10.8	7- 8-49 7-18-49 8- 1-49 8-15-49 9-26-49	4.54 1.50 1.65 1.42 1.35
Stillwater Creek	Olequa Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.11 N., R.2 W., at State Highway 1P.	38.8	8- 7-43 10-23-43	8.80 24.6
Do.....	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.11 N., R.2 W., above mouth at Vader.	42.2	5-29-42 8-23-42	34.5 5.4
Olequa Creek	Cowlitz River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.10 N., R.2 W., at West Side Highway bridge.	101	8-31-49 9-28-49	18.9 13.9
Rock Creek (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.10 N., R.2 W., at West Side Highway.	2.42	8-31-49 9-28-49	.22 .17
Cowlitz River tributary No. 8 (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ sec.22, T.10 N., R.2 W., at State Highway 1.	-	8-31-49 9-26-49	.12 .11
North Fork Toutle River	Toutle River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.9 N., R.5 E., at outlet of Spirit Lake.	14.9	8-22-06 10-28-06 5-27-07 9-18-09 7-27-25 7-27-25 8-11-52 9-22-52 8-18-53 8-31-54 9-20-54	24.0 92 206 30 36 40.6 46.9 27.3 44.7 47.9 49.6

\* Discharge measurement.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
North Fork Toutle River	Toutle River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.9 N., R.4 E., below Coldwater Creek.	51.2	10-28-06 7-28-25	282 176
Do.....	.....do.....	At Aschcans Ranch	-	5-26-07	509
Do.....	.....do.....	NW $\frac{1}{4}$ sec.2, T.9 N., R.3 E., 14 miles below Spirit Lake.	-	8-17-06	193
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.10 N., R.2 E., at gaging station "at St. Helen". Operated 1909 (fragmentary) Oct. 1929 to Sept. 1933.	125	9-11-09 9-21-09 9-27-29	252 313 190
Do.....	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.10 N., R.2 E., $\frac{1}{2}$ mile above Green River.	145	8-18-06 8-31-49 9-27-49	249 248 233
Green River	North Fork Toutle River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.10 N., R.2 E., at gaging station "near Toutle," (operated Oct. 1946 to Dec. 1950).	131		
Do.....	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.10 N., R.2 E., at mouth.	132	8-18-06 9-10-09	67 56
North Fork Toutle River	Toutle River	SW $\frac{1}{4}$ sec.6, T.10 N., R.2 E., at old gaging station at Kid Valley.	-	5-25-07	961
Wyant Creek (formerly Middle Fork Toutle River)	North Fork Toutle River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.10 N., R.1 E., 10 ft above bridge.	9.26	8-30-49 9- 9-49 9-27-49	.69 .72 .71
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.10 N., R.1 E., 200 ft below road crossing.	10.7	8-30-49 9- 9-49 9-27-49	.80 .70 .75
South Fork Toutle River	Toutle River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.10 N., R.1 E., at gaging station "at Toutle," (operated Oct. 1939 to Dec. 1957).	120	8-15-06 10-24-06 12-18-06 12-22-06 12-23-06 5-24-07 9- 7-09 9-10-28	119 351 1,150 3,050 2,270 336 87 81.7
Studebaker Creek	South Fork Toutle River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.29, T.10 N., R.1 E., 150 ft above road crossing.	9.00	8-30-49 9- 9-49 9-27-49	.20 .24 .37
Outlet Creek	Toutle River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.10 N., R.1 E., at road crossing 2 miles below Silver Lake.	42.6	2-24-43 3-19-43 5- 7-43 6-22-43 10-26-43 8-30-49 9-27-49 7- 7-52 7-24-52 8-12-52 9-22-52	227 79.4 89.2 26.1 .86 .21 6.56 .82 .14 .05 .11
Toutle River	Cowlitz River.	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19, T.10 N., R.1 E., at gaging station "near Silver Lake". Operated Sept. 1909 to Apr. 1912; Oct. 1919 to Dec. 1923 (fragmentary), Sept. 1929 to 1960.	477	4- 8-24 9-10-28 8-29-19	1,300 350 378
Toutle River tributary	Toutle River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.10 N., R.1 W., at Tower road, (crest-stage gage, "near Castle Rock").	.66	11-26-49 2-11-51 2- 4-52 1-23-53 12- 9-53 2- 8-55 12-22-55 12- 9-56 12-25-57 1-23-59 11-22-59 11-20-60	58 28.0 31.7 20.4 62.2 41.5 63.9 68.2 20.4 52 25 54
Cowlitz River	Columbia River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.9 N., R.2 W., at gaging station "at Castle Rock," (operated Dec. 1926 to Sept. 1959).	2,235		
Whittle Creek	Cowlitz River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.9 N., R.2 W., at West Side Highway.	3.81	9-28-49	.17



Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Arkansas Creek	Cowlitz River	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.9 N., R.2 W., at road crossing.	19.8	7- 7-49 7-21-49 7-21-49 8- 1-49 8-15-49 8-31-49 9-26-49 6-14-50 7- 6-50 7-26-50 9- 6-50 7- 6-52 7-24-52 8-12-52 9-24-52 7-10-53 7-23-53 8-12-53 9-22-53 9- 1-54 9-21-54	7.87 7.34 7.19 4.00 3.85 3.66 3.92 15.0 6.88 3.87 2.74 5.00 5.03 2.07 1.32 8.72 5.82 3.40 3.30 5.97 8.03
Delameter Creek (formerly Soanti-grease Creek)	Arkansas Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.9 N., R.2 W., at Garlock Road and above Monohan Creek.	9.07	7- 7-49 7-21-49 8- 1-49 8-15-49 8-31-49 9-26-49 6-14-50 7- 6-50 7-26-50 9- 6-50 7- 6-52 7-24-52 8-12-52 9-24-52 7-10-53 7-23-53 8-12-53 9- 1-54 9-21-54 12- 9-56	3.28 2.66 1.33 2.10 1.89 1.45 7.54 3.94 2.06 1.32 2.32 2.13 .56 .55 3.52 2.40 .91 4.81 7.14 †985
Monohan Creek	Delameter Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.9 N., R.2 W., at road crossing, $\frac{1}{4}$ mile above mouth.	10.2	8-31-49 9-26-49 12- 9-56	1.66 2.19 †1,150
Delameter Creek (formerly Arkansas Creek)	Arkansas Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.19 N., R.2 W., at gaging station "near Castle Rock," (operated May 1949 to 1960).	19.6		
Arkansas Creek tributary (formerly unnamed stream)	Arkansas Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.9 N., R.2 W., 300 ft above mouth.	-	9-26-49	.16
Cowlitz River tributary No. 9 (formerly unnamed stream)	Cowlitz River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.9 N., R.2 W., at U. S. Highway 99.	2.85	8-31-49	
Cowlitz River tributary No. 10 (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.8 N., R.2 W., at West Side Highway.	2.97	8-31-49 9-26-49	.64 .65
Ostrander Creek (formerly North Fork Ostrander Creek)	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.8 N., R.2 W., at road crossing above South Fork.	15.4	7- 7-49 7-18-49 8- 1-49 8-15-49 8-31-49 9-26-49 7- 3-52 7-24-52 8- 8-52 9- 3-52 9-23-52 7- 8-53 7-23-53 8-10-53	1.90 1.48 1.28 1.31 1.09 1.34 2.68 1.93 1.22 .80 .76 5.14 2.85 2.01

† Peak flow.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Ostrander Creek (Cont.)	Cowlitz River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.8 N., R.2 W., at road crossing above South Fork.		9-11-53 9-24-53 9- 1-54 9-24-54	1.71 2.09 3.18 3.21
South Fork Ostrander Creek	Ostrander Creek	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.8 N., R.2 W., 100 ft above mouth.	10.2	7- 3-52 7-24-52 8- 8-52 9- 3-52 9-23-52 7- 8-53 7-23-53 8-10-53 9-11-53 9-24-53 9-24-54	2.05 1.85 1.38 .80 .76 2.60 2.02 1.49 .85 1.54 2.87
Ostrander Creek	Cowlitz River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.12, T.8 N., R.2 W., at gaging station "near Kelso," (operated June to Nov. 1949).	25.7	6-15-50 7- 6-50 7-26-50 9- 7-50 8-15-51	9.91 3.98 2.64 2.02 2.17
Cowlitz River tributary No. 11 (formerly unnamed stream)	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.8 N., R.2 W., at road crossing near Rocky Point.	.98		
Coweman River	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.8 N., R.2 E., at Coweman Dam and above Baird Creek.	29.0	7-30-51 8-27-51	19.0 13.0
Baird Creek	Coweman River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.8 N., R.2 E., above mouth.	8.62	7-30-51 8-27-51	3.83 3.41
Coweman River	Cowlitz River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.8 N., R.1 E., 0.6 mile below splash dam and just below ranger station.	36.0	9- 7-28	21.1
Do.....	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.8 N., R.1 E., at gaging station "above Mulholland Creek, near Kelso," (operated June to Sept. 1951).	49.9	10- 2-51 7- 2-52 7-23-52 8- 8-52 9-23-52 7- 8-53 7-22-53 8-13-53 9-22-53 9- 1-54 9-24-54	1,050 61.9 37.9 30.9 18.5 77.5 51.2 35.6 27.7 41.1 42.8
Mulholland Creek	Coweman River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.18 N., R.1 E., above road crossing near mouth.	17.9	7-13-51 6-26-51 7-12-51 8- 8-51 8-15-51 9-12-51 10- 2-51 7- 8-53 7-22-53 8-13-53 9-22-53	10.7 6.30 3.26 2.64 2.25 2.28 95.5 15.0 9.11 4.82 4.25
Blackman Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.8 N., R.1 E., at road crossing.	.54		
Coweman River tributary (formerly unnamed stream)	Coweman River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.8 N., R.1 W., at Coweman River Road.	.41		
Coweman River tributary No. 2 (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.8 N., R.1 W., at Coweman River Road.	.74		
Coweman River	Cowlitz River	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.8 N., R.1 W., at logging road crossing.	81.3	9- 7-28 2-15-50	34.6 1,890
Goble Creek	Coweman River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.8 N., R.1 W., at road crossing.	25.2	6-13-51 6-26-51 7-12-51 7-30-51 8-15-51 9-12-51	15.2 10.4 8.02 4.74 4.99 4.13

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Cowlitz River basin--Continued					
Goble Creek (Cont.)	Coweman River	NE $\frac{1}{2}$ SE $\frac{1}{4}$ sec.34, T.8 N., R.1 W., at road crossing.		7- 3-52 7-23-52 8- 8-52 9-23-52 7- 8-53 7-22-53 8-13-53 9-22-53	11.8 8.48 6.32 3.65 15.7 13.2 8.10 7.06
Coweman River	Cowlitz River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.8 N., R.1 W., at gaging station "near Kelso," (operated July 1950 to 1960).	119	6-13-29 2-24-50	128 †7,750
Do.....	.....do.....	NE $\frac{1}{4}$ sec.31, T.8 N., R.1 W.	120	9- 8-28	36.1
Coweman River tributary No. 3 (formerly unnamed stream)	Coweman River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.8 N., R.2 W., at Allen Street Road.	.14		
Coweman River tributary No. 4 (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ sec.26, T.8 N., R.2 W., at Allen Street Road.	-	8-27-51	0
Coweman River	Cowlitz River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.8 N., R.2 W., at Grade Street at Kelso.	125	2-15-50	2,540

Streams between Cowlitz River and Germany Creek basins

Clark Creek	Columbia River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.8 N., R.3 W., at Pacific Highway.	4.58	9-29-49	.48
Coal Creek	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.8 N., R.3 W., at road crossing.	20.0	7- 7-49 7-20-49 8- 3-49 9-28-49 6-14-50 7- 5-50 7-25-50 9- 6-50	7.92 7.52 5.16 3.36 16.7 7.68 4.09 2.70
Mosquito Creek tributary (formerly unnamed stream)	Mosquito Creek	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.8 N., R.3 W., at road crossing.	1.29	8-30-49 9-26-49	.37 .21
Mosquito Creek	Coal Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.8 N., R.3 W., 500 ft above mouth.	6.12	7- 7-49 8- 3-49 8-30-49 9-26-49	1.73 1.40 1.00 .94
Falls Creek	Columbia River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.8 N., R.4 W., near mouth at Stella.	1.96	8-30-49 9-26-49	.20 .20

Germany Creek basin

Germany Creek tributary (formerly unnamed stream)	Germany Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.9 N., R.4 W., at mouth of west tributary.	.48		
Germany Creek tributary No. 2 (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.9 N., R.4 W., at mouth of east tributary.	.27		
Germany Creek	Columbia River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.9 N., R.4 W., at Jessen Ranch.	17.0	8-30-49 9-26-49	4.14 3.00
Germany Creek tributary No. 3 (formerly unnamed stream)	Germany Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.9 N., R.4 W., at road crossing.	.68	8-30-49 9-26-49	.24 .20
Germany Creek tributary No. 4 (formerly unnamed stream)	.....do.....	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.9 N., R.4 W., at mouth.	.10		

† Peak flow.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Germany Creek basin--Continued					
Germany Creek	Columbia River	NW $\frac{1}{4}$ sec.12, T.8 N., R.4 W., at gaging station "near Longview," (operated July to Oct. 1949).	22.2	11- 3-49	28.5
				6-14-50	23.4
				7- 5-50	11.3
				7-25-50	6.73
				9- 6-50	5.41
				8-15-51	3.29
				7- 6-52	9.24
				7-29-52	5.31
				8-15-52	5.58
				9- 3-52	3.48
				9-24-52	2.76
				7- 9-53	14.7
				7-22-53	11.2
8-13-53	6.43				
9-23-53	6.71				
9- 2-54	9.41				
9-23-54	13.5				
Abernathy Creek basin					
Abernathy Creek	Columbia River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.9 N., R.4 W., above Erick Creek.	9.59	8-30-49 9-27-49	5.23 4.80
West Creek (formerly unnamed stream)	Abernathy Creek	SW $\frac{1}{4}$ sec.26, T.9 N., R.4 W., at Abernathy Creek Road.	2.69	8-30-49 9-27-49	.19 .27
Slide Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.9 N., R.4 W., at road crossing.	2.10	8-29-49	.14
Do.....	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.8 N., R.4 W., above mouth.	2.47	8-29-49 9-27-49	.25 .23
Abernathy Creek	Columbia River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.8 N., R.4 W., at gaging station "near Longview," (operated Apr. 1949 to Dec. 1958).	20.4		
Cameron Creek	Abernathy Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.8 N., R.4 W., above mouth.	7.86	7- 7-49	2.11
				7-20-49	2.02
				8- 3-49	1.13
				9-27-49	1.10
				7- 9-53	3.11
				7-22-53	2.30
				8-13-53	1.19
				9-23-53	1.70
9- 2-54	2.72				
9-24-54	4.86				
Mill Creek basin					
Little Mill Creek (formerly unnamed stream)	Mill Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.8 N., R.4 W., above mouth.	13.1	8-29-49	2.42
				9-29-49	3.44
				7- 6-52	5.38
				7-29-52	3.20
				9- 3-52	2.18
				9-24-52	2.58
				7- 9-53	8.60
				7-22-53	6.09
				8-13-53	3.81
				9-23-53	4.44
Mill Creek	Columbia River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.8 N., R.4 W., at gaging station "near Cathlamet," (operated June 1949 to Jan. 1956).	28.3	8-21-28 11- 6-28 2- 2-56	9.35 16.4 114
Abe Creek basin					
Abe Creek	Columbia River	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.8 N., R.5 W., at U. S. Highway 830.	.87	8-29-49 9-29-49	.07 .11
Elochoman River basin					
Elochoman River	Columbia River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.10 N., R.5 W., below West Fork.	35.4	7- 6-49	30.8
				7-19-49	31.2
				8- 3-49	23.2
				8-29-49	17.5
				9-28-49	17.5
Elochoman River tributary (formerly unnamed stream)	Elochoman River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.10 N., R.5 W., at State Highway 12D.	.34		

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Elochoman River basin--Continued					
Rock Creek (formerly unnamed stream)	Elochoman River	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.9 N., R.5 W., at State Highway 12D.	1.81	9-28-49	.46
Clear Creek	.....do.....	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.9 N., R.5 W., at State Highway 12D.	1.88	8-29-49	1.45
				9-28-49	1.36
				7- 5-52	1.86
				7-29-52	1.13
				9- 3-52	1.00
9-25-52	1.10				
Duck Creek	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.9 N., R.5 W., at road crossing.	2.51	8-29-49	1.01
				9-28-49	1.20
Elochoman River tributary No. 2 (formerly unnamed stream)	.....do.....	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.9 N., R.5 W., at State Highway 12D.	.29	8-29-49	.18
				9-28-49	.19
Elochoman River	Columbia River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.9 N., R.5 W., 20 ft above Cathlamet Road.	56.2	8-21-28 11- 7-28	30.2 61.7
Beaver Creek tributary (formerly unnamed stream)	Beaver Creek	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.33, T.9 N., R.5 W., at Cathlamet Road.	2.63	8-30-49 9-28-49	.75 .60
Beaver Creek	Elochoman River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.9 N., R.5 W., $\frac{1}{2}$ mile above mouth.	7.21	7- 6-49	2.52
				7-20-49	3.45
				8- 2-49	2.16
				8-30-49	1.66
9-28-49	1.62				
Elochoman River	Columbia River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.9 N., R.5 W., at gaging station site "near Cathlamet," (operated Oct. 1940 to 1960).	65.8		
Nelson Creek	.....do.....	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.9 N., R.6 W., at old highway.	4.03	8-24-49 9-29-49	1.50 1.66
Skamokawa Creek basin					
Skamokawa Creek	Columbia River	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.10 N., R.6 W., above Left Fork.	10.2	7- 6-49 8- 2-49 8-24-49 9-27-49	6.61 3.41 2.82 2.66
Left Fork Skamokawa Creek (formerly North Fork)	Skamokawa Creek	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.10 N., R.6 W., above mouth.	5.65	8-24-49	1.75
				9-27-49	1.77
Skamokawa Creek	Columbia River	Near north line NE $\frac{1}{4}$ sec.5, T.9 N., R.6 W., at gaging station "near Skamokawa," (operated Mar. 1949 to Oct. 1950).	17.4	2-17-49	†2,280
				10-26-50	112
				8-15-51	4.74
				9- 3-54	32.6
9-23-54	42.9				
Falk Creek	Skamokawa Creek	Near north line NW $\frac{1}{4}$ sec.4, T.9 N., R.6 W., at road crossing.	3.49	8-23-49	.76
				9-27-49	.98
Wilson Creek tributary (formerly unnamed stream)	Wilson Creek	NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.36, T.10 N., R.6 W., at East Valley Road.	.40	8-23-49	.32
				9-27-49	.28
Wilson Creek tributary No. 2 (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.10 N., R.6 W., at East Valley Road.	1.63	8-23-49	.76
				9-27-49	.67
Wilson Creek	Skamokawa Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.9 N., R.6 W., at East Valley Road.	13.8	8-22-28	6.12
				11- 7-28	15.0
				7- 6-49	11.6
				7-19-49	11.4
				8- 2-49	9.71
				8- 2-49	9.42
				9-27-49	8.04
				6-13-50	18.5

† Peak flow.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Skamokawa Creek basin--Continued					
Wilson Creek (Cont.)	Skamokawa Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.9 N., R.6 W., at East Valley Road.		7- 5-50 7-25-50 9- 5-50 7- 5-52 7-29-52 9- 2-52 9-25-52	14.0 9.75 8.33 14.2 8.51 6.97 6.40
Do.....	.....do.....	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.9 N., R.6 W., above mouth.	14.1	8-22-28	6.90
Skamokawa Creek	Columbia River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.9 N., R.6 W., at Middle Valley Road and below Wilson Creek.	36.4	8-22-28 11- 7-28	16.9 51.8
Skamokawa Creek tributary (formerly unnamed stream)	Skamokawa Creek	NE $\frac{1}{4}$ sec.8, T.9 N., R.6 W., at Valley Road.	.24		
West Fork Skamokawa Creek	.....do.....	SW $\frac{1}{4}$ sec.31, T.10 N., R.6 W., adjacent Highway 830, 1,000 ft above West Valley Creek.	5.60	7- 6-49 8- 3-49 8-23-49 9-29-49	.57 .29 .24 .53
West Valley Creek (formerly unnamed stream)	West Fork Skamokawa Creek	NW $\frac{1}{4}$ sec.6, T.9 N., R.6 W., adjacent secondary road.	5.08	7- 6-49 8-24-49 9-29-49	.97 .47 1.12
West Fork Skamokawa Creek	Skamokawa Creek	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8, T.9 N., R.6 W., at mouth.	12.5	8-22-28	0
Risk Creek	Brooks Slough	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.9 N., R.6 W., at U. S. Highway 830, (crest-stage gage, "near Skamokawa").	1.14	b12- 9-48 8-24-48 9-29-48 2-24-50 12-22-50 2- 4-52 1-22-53 12- 9-53 12-30-54 12-11-55 12- 9-56 1-14-58 1-23-59 11-22-59	94 #.22 #.28 103 102 55 125 72.0 77.7 102 131 40 87 151
Alger Creek	Brooks Slough	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.9 N., R.6 W., at U.S. Highway 830.	3.99	8-24-49 9-29-49	.80 1.18
Streams between Skamokawa Creek and Grays River basin					
Hitchcock Creek	Columbia River	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.9 N., R.8 W., at State Highway 12C.	.87		
Crooked Creek	.....do.....	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.9 N., R.8 W., 2 miles above mouth.	10.2	7- 6-49 7-19-49 8- 3-49 8-23-49 9-28-49	3.02 2.27 2.16 2.13 2.60
Grays River basin					
Grays River	Columbia River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.11 N., R.6 W., above East Fork.	15.2	7- 2-53 7-24-53 8-14-53 9-24-53 9- 3-54 9-23-54	34.5 17.1 12.6 13.3 21.9 33.1
East Fork Grays River	Grays River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.11 N., R.6 W., above mouth.	16.7	7- 2-53 7-24-53 8-14-53 9-24-53 9- 3-54 9-23-54	29.2 18.1 14.9 9.75 20.4 50.3
Grays River	Columbia River	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.11 N., R.6 W., at gaging station "above South Fork, near Grays River," (operated Oct. 1955 to 1960).	39.9		

\* Discharge measurement.  
b Revised.

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Grays River basin--Continued					
South Fork Grays River	Grays River	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.11 N., R.5 W., above mouth.	20.4	7- 2-53 7-24-53 8-14-53 9-24-53 9- 3-54 9-23-54	37.2 17.5 9.97 10.8 36.3 73.2
Grays River	Columbia River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.11 N., R.6 W., at gaging station "below South Fork, near Grays River," (operated Sept. 1955 to 1960).	60.3	10-14-60	83.5
Do.....	.....do.....	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.10 N., R.7 W., at gaging station "near Grays River," (operated Mar. 1949 to Feb. 1951).	664.4	2-22-49 10-16-52 10-23-52 10- 8-52	114,000 20.1 28.1 18.4
West Fork Grays River	Grays River	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.11 N., R.7 W., at gaging station "near Grays River," (operated Apr. 1949 to 1980).	15.2	2-22-49	†3,700
Do.....	.....do.....	NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.10 N., R.7 W., above mouth.	16.0	8-24-28 11- 8-28	14.4 121
Fossil Creek	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.10 N., R.7 W., at mouth.	5.50	8-24-28 8-23-49 9-28-49	0 1.05 .92
Klints Creek	.....do.....	SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.10 N., R.7 W., at U. S. Highway 830.	3.57	8-23-49 9-28-49	.72 .75
Grays River	Columbia River	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.10 N., R.7 W., 200 ft below U. S. Highway 830.	92.5	8-23-28 11- 8-28	44.4 251
Falls Creek	Hull Creek	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.10 N., R.7 W., at bridge above mouth.	3.02	7- 9-53 7-24-53 8-14-53 9-23-53	1.92 1.00 .62 .85
Hull Creek	Grays River	NE $\frac{1}{4}$ sec.13, T.10 N., R.8 W., at gaging station site, "at Grays River."	11.9	6-13-50 7- 5-50 7-25-50 9- 5-50 8-15-51 7- 5-52 7-29-52 9- 2-52 9-25-52 7- 9-53 7-24-53 8-14-53 9-23-53 9- 3-54 9-23-54	9.58 5.66 2.58 9.27 1.74 7.47 4.01 2.67 2.15 10.1 5.97 3.01 3.33 15.4 23.5
Impie Creek	.....do.....	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.10 N., R.8 W., at State Highway 12C.	.94	8-23-49 9-28-49	.19 .15
Grays River tributary (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.10 N., R.8 W., at State Highway 12C.	.39		
Malone Creek	Seal Slough	W $\frac{1}{2}$ sec.23, T.10 N., R.8 W., 0.1 mile above U. S. Highway 830.	2.72	8-22-49 9-28-49	.22 .24
Seal Creek	.....do.....	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.10 N., R.8 W., 0.7 mile above U. S. Highway 830.	.31	8-22-49 9-28-49	.07 .12
Grays River tributary No. 2 (formerly unnamed stream)	Grays River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.10 N., R.8 W., at Eden Valley Road.	.25		
Deep River basin					
Hendrickson Creek	Deep River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.10 N., R.8 W., at mouth.	1.98	8-18-49 9-28-49	.11 .15
Deep River	Columbia River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.10 N., R.8 W., below Hendrickson Creek.	3.74	7- 6-49 8- 3-49 8-22-49 9-28-49	.49 .39 .33 .46

† Peak flow.  
b Revised.

## LOWER COLUMBIA RIVER BASIN

Stream	Tributary to	Location	Drainage area (sq mi)	Date	Discharge (cfs)
Chinook River basin					
Chinook River	Columbia River	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.9 N., R.10 W., at road crossing $\frac{1}{4}$ mile northeast of Chinook.	3.81	8-22-49 9-27-49 7- 5-52 7-29-52 9- 2-52 9-25-52	.79 .63 2.73 2.28 2.19 1.15
Chinook River tributary (formerly unnamed stream)	Chinook River	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.5, T.9 N., R.10 W., at road crossing.	.88	8-22-49 9-27-49	.39 .39
Chinook River tributary No. 2 (formerly unnamed stream)	.....do.....	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.10 N., R.10 W., at road crossing.	1.20	8-23-49	.47

## ADDENDUM

Elwha River	Strait of Juan de Fuca	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.30 N., R.7 W., at gaging station "below diversion, near Port Angeles" (operated Aug. to Nov. 1951, Sept. 1952 to Sept. 1954). Other measurements on page 37.	-	7-10-51 11-16-54 12-28-54 2- 7-55 3-15-55 2-21-55 5-26-55 7-20-55 8-18-55 9-29-55 11- 2-55 11-30-55 1-17-56 3-14-56 4-17-56 6- 5-56 8-28-56 10- 8-56 1- 3-57	3,400 5,200 1,620 2,790 488 1,230 2,030 2,250 1,070 389 1,870 2,530 2,170 675 1,690 3,430 1,020 588 1,540
North Fork Skokomish River	Skokomish River	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.21 N., R.4 W., at staff gage 150 ft above concrete control and 2,000 ft below gaging station. (Other measurements on page 48).	-	3- 5-59 4-17-59 5-13-59 5-15-59 6- 9-59 7-28-59 9- 1-59 11- 4-59	56.1 40.3 36.6 44.3 9.57 0 6.54 14.2
Green River	Duwamish River	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.22 N., R.4 E., 1.6 miles west of Kent and 2 miles downstream from "Hill Creek. (See page 96).	-	1-27-59 4- 2-59 11-21-59 12-16-59	6,660 8,360 10,400 9,940
Wenas Creek	Yakima River	NE $\frac{1}{4}$ sec.13, T.15 N., R.17 E., at forks, on Mrs. Chamber's ranch.	-	7-26-98	0.81
Do.....	.....do.....	SE corner sec.13, T.15 N., R.17 E., at county road crossing. (Other measurements on page 207).	-	7-26-98	0



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