

## DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to these events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites. The description and location of some sites may have been updated from previously published miscellaneous measurements sites.

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and peak flows at miscellaneous sites and for special studies are given in separate tables.

### Crest-Stage Partial-Record Stations

The following table contains annual maximum discharge for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 2005

[ft, foot; ft<sup>3</sup>/s, cubic foot per second; mi, mile; mi<sup>2</sup>, square mile; --, no data or undetermined]

| Station name and No.                    | Location of drainage area   | Period of record                          | Water year 2005 maximum |                  |                                 | Period of record maximum |                  |                                 |
|---|---|---|-------------------------|------------------|---------------------------------|--------------------------|------------------|---------------------------------|
|   |   |   | Date                    | Gage height (ft) | Dis-charge (ft <sup>3</sup> /s) | Date                     | Gage height (ft) | Dis-charge (ft <sup>3</sup> /s) |
| PUYALLUP RIVER BASIN                    |   |   |                         |                  |                                 |                          |                  |                                 |
| Puyallup River at Alderton (12096500)   | Lat 47°11'07", long 122°13'42", on line between sec.25, T.20 N., R.4 E., and sec.30, T.20 N., R.5 E., Pierce County, Hydrologic Unit 17110014, at State Highway 162 road crossing, 1.0 mi north of Alderton, 1.0 mi south of Sumner, and at mile 12.2. Drainage area is 438 mi <sup>2</sup> . | 1914-27, 1943-57 <sup>‡</sup> , 1997-2005 | 01-18-05                | 55.38            | 23,300                          | 02-09-96                 | 61.15a           | 41,500                          |
| SNOHOMISH RIVER BASIN                   |   |   |                         |                  |                                 |                          |                  |                                 |
| Snoqualmie River at Duvall (12150400)   | Lat 47°44'36", long 121°59'12", in SW¼NW¼ sec.13, T26. N., R.6 E., King County, Hydrologic Unit 17110010, on right bank at downstream side of abandoned bridge pier, 100 ft south of the present Woodinville-Duvall Road bridge in Duvall. Drainage area is 645 mi <sup>2</sup> .             | 2001-05                                   | 01-19-05                | 41.48a           | --                              | 01-19-05                 | 41.48a           | --                              |
| PEND OREILLE RIVER BASIN                |   |   |                         |                  |                                 |                          |                  |                                 |
| Calispell Creek near Dalkena (12396000) | Lat 48°14'40", long 117°20'26", in NE¼SW¼ sec.26, T.32 N., R.43 E., Pend Oreille County, 2.4 mi upstream from Calispell Lake, and 4.8 mi west of Dalkena. Drainage area is 68.3 mi <sup>2</sup> .   | 1950-73 <sup>‡</sup> , 1974-2005          | 03-28-05                | 8.19             | 486                             | 01-15-74                 | 14.38            | 3,190                           |

<sup>1</sup>a Gage height shown is at NGVD of 1929.

<sup>2</sup>‡ Operated as a continuous-record gaging site.

## Discharge Measurements Made at Miscellaneous Sites During Water Year 2005

| Stream  | Tributary to               | Location   | Drainage area (mi <sup>2</sup> ) | Measured previously (water year)                 | Measurements   |  |
|---|----------------------------|--|----------------------------------|--|--|--|
|   |                            |  |                                  |  | Date   | Discharge (ft <sup>3</sup> /s)                   |
| CHEHALIS RIVER BASIN                          |                            |  |                                  |  |  |  |
| Porter Creek                                  | Chehalis River             | Lat 46°56'15", long 123°18'30", in NW¼NE¼ sec.28, T.17 N., R.5 W., Grays Harbor County, Hydrologic Unit 17100103, at railroad bridge, at Porter, and at mouth.                                     | 39.8                             | 1963-65<br>1972<br>1976-78<br>1980-82<br>2000-04 | 08-24-05   | 14   |
| QUILCENE RIVER BASIN                          |                            |  |                                  |  |  |  |
| 12051900<br>Little Quilcene River             | Quilcene Bay               | Lat 47°52'30", long 122°57'30", in SE¼NW¼ sec.32, T.28 N., R.2 W., Clallam County, Hydrologic Unit 17110018, downstream from diversion dam, and 5.3 mi northwest of Quilcene.                      | --                               | 1992-2004  | 10-05-04<br>02-11-05<br>04-26-05<br>06-27-05<br>08-25-05                                     | 6.2<br>8.5<br>22<br>26<br>7.3                    |
| 12052390<br>Big Quilcene River                | Quilcene Bay               | Lat 47°48'32", long 122°54'43", in NW¼NE¼ sec.27, T. 27 N., R. 2 W., Jefferson County, Hydrologic Unit 17110018, at hatchery, 2.1 mi southwest of Quilcene, and at mile 2.7.                       | 59.7                             | 1993-2004  | 10-06-04<br>02-10-05<br>04-26-05<br>06-24-05<br>08-25-05                                     | 21<br>65<br>140<br>103<br>16                     |
| NISQUALLY RIVER BASIN                         |                            |  |                                  |  |  |  |
| 12089300<br>Nisqually River                   | Puget Sound                | Lat 46°53'58", long 122°29'48", in NE¼SW¼, sec.1, T.16 N., R.2 E., Thurston County, Hydrologic Unit 17110015, 60 ft downstream from diversion dam, and 3.7 mi southeast of McKenna.                | --                               | 2001-04  | 03-25-05   | 579  |
| BTW NISQUALLY RIVER AND PUYALLUP RIVER BASINS |                            |  |                                  |  |  |  |
| Leach Creek                                   | Chambers Creek             | Lat 47°11'55", long 122°31'12", in NE¼NW¼, sec.26, T.20 N., R.2 E., Pierce County, Hydrologic Unit 17110019, and 4.2 mi northeast of Steilacoom.   | --                               | 2000-04  | 05-20-05<br>06-15-05<br>06-17-05   | 11<br>5.4<br>13                                  |
| PUYALLUP RIVER BASIN                          |                            |  |                                  |  |  |  |
| Evans Creek                                   | Carbon River               | Lat 47°00'13", long 122°00'23", in NE¼SW¼, sec.35, T.18 N., R.6 E., Pierce County, Hydrologic Unit 17110014, and at Carbon Glacier Road bridge.  | --                               | 1999-2000<br>2002-04                             | 05-19-05<br>09-30-05   | 54<br>111  |
| 12099000<br>White River Canal                 | Diversion from White River | Lat 47°10'19", long 122°01'13", in SE¼SE¼ sec.34, T. 20 N., R.6 E., Pierce County, Hydrologic Unit 17110014, on right bank, 0.8 mi downstream from diversion dam, and 0.8 mi northwest of Buckley. | --                               | 1981-2004‡                                       | 10-29-04<br>12-15-04<br>01-25-05<br>03-08-05<br>04-11-05<br>06-03-05<br>07-15-05<br>09-07-05 | 51<br>28<br>212<br>18<br>572<br>201<br>178<br>44 |

## Discharge Measurements Made at Miscellaneous Sites During Water Year 2005—Continued

| Stream                         | Tributary to          | Location   | Drainage area (mi <sup>2</sup> ) | Measured previously (water year)   | Measurements                                 |  |
|--------------------------------|-----------------------|--|----------------------------------|------------------------------------|--|--|
|                                |                       |  |                                  |                                    | Date   | Discharge (ft <sup>3</sup> /s)                               |
| PEND OREILLE RIVER BASIN       |                       |  |                                  |                                    |  |  |
| 12396000<br>Calispell<br>Creek | Pend Oreille<br>River | Lat 48°14'40", long 117°20'26", in NE¼SW¼, sec.26, T.32 N., R.43 E., Pend Oreille County, Hydrologic Unit 17010216, 2.4 mi upstream from Calispell Lake, and 4.8 mi west of Dalkena.   | 68.3                             | 1950-73‡<br>1974-2004 <sub>c</sub> | 10-04-04<br>04-27-05<br>08-18-05             | 6.3<br>109<br>3.9  |
| Harvey<br>Creek                | Sullivan<br>Lake      | Lat 48°46'08", long 117°17'45", in NW¼NW¼, sec.30, T.38 N., R.44 E., Pend Oreille County, Hydrologic Unit 17010216, and 6.5 mi southeast of Metaline Falls.  | --                               | 1967<br>1993-2004                  | 12-01-04<br>06-16-05<br>08-23-05             | 28<br>53<br>7.4  |
| 12396900<br>Sullivan Creek     | Pend Oreille<br>River | Lat 48°50'44", long 117°17'08", in SW¼SE¼, sec.30, T.39 N., R.44 E., Pend Oreille County, Hydrologic Unit 17010216, Colville National Forest, on left bank, at upstream side of road bridge, 0.1 mi upstream from Outlet Creek, 4 mi southeast of Metaline Falls, and at mile 5.0. | 70.2                             | 1959-72<br>1977<br>1994-2003       | 04-28-05                                     | 397  |
| North Fork<br>Sullivan Creek   | Sullivan<br>Creek     | Lat 48°51'35", long 117°19'41", in SE¼SE¼, sec.23, T.39 N., R.43 E., Pend Oreille County, Hydrologic Unit 17010216, upstream from highway crossing, and 2 mi east of Metaline Falls.   | 10.4                             | 1951-61<br>1967                    | 06-05-02<br>10-14-02<br>05-29-03<br>04-28-05 | 73 <sub>a</sub><br>2.0 <sub>a</sub><br>96 <sub>a</sub><br>47 |
| SPOKANE RIVER BASIN            |                       |  |                                  |                                    |  |  |
| Spokane<br>River               | Columbia<br>River     | Lat 47°40'43", long 117°10'24", in NW¼SW¼, sec.7, T.25 N., R.45 E., Spokane County, Hydrologic Unit 17010305, approximately 300 ft upstream from Flora Road, 1.0 mi downstream from Barker Road, and 0.9 mi northwest of Greenacres.   | 4,150                            | 2004                               | 08-30-05                                     | 132  |
| Spokane<br>River               | Columbia<br>River     | Lat 47°41'36", long 117°15'00", in NW¼SE¼, sec.4, T.25 N., R.44 E., Spokane County, Hydrologic Unit 17010305, at Centennial Trail Pedestrian Bridge, downstream from Plants Ferry, 2.6 mi northwest of Opportunity, and at mile 84.2.  | 4,200                            | 2000<br>2004                       | 08-30-05                                     | 492  |
| Spokane<br>River               | Columbia<br>River     | Lat 47°40'41", long 117°22'35", in NW¼SE¼, sec.9, T.25 N., R.43 E., Spokane County, Hydrologic Unit 17010305, on Upriver Drive, 0.6 mi downstream from Green Street bridge, and at Spokane.  | 4,220                            | 1999<br>2004                       | 06-02-99<br>08-03-99<br>08-30-05             | 23,500 <sub>b</sub><br>1,950 <sub>b</sub><br>725             |
| Spokane<br>River               | Columbia<br>River     | Lat 47°40'52", long 117°27'20", in SE¼NE¼, sec.11, T.25 N., R.42 E., Spokane County, Hydrologic Unit 17010307, 200 ft south of Downriver Drive, 0.2 mi downstream from T.J. Menach Bridge on Fort George Wright Drive, and at Spokane.   | 4,980                            | 2004                               | 08-30-05                                     | 703  |
| 12424500<br>Spokane River      | Columbia<br>River     | Lat 47°43'05", long 117°29'55", in SE¼SE¼, sec.28, T.26 N., R.42 E., Spokane County, Hydrologic Unit 17010307, and at gaging station.  | 5,020                            | 1949-52‡<br>1953                   | 08-30-05                                     | 797  |

## Discharge Measurements Made at Miscellaneous Sites During Water Year 2005—Continued

| Stream                                    | Tributary to   | Location   | Drainage area (mi <sup>2</sup> ) | Measured previously (water year)                           | Measurements   |  |
|---|----------------|--|----------------------------------|--|--|--|
|   |                |  |                                  |  | Date   | Discharge (ft <sup>3</sup> /s)               |
| SPOKANE RIVER BASIN—Continued             |                |  |                                  |  |  |  |
| 12426000<br>Spokane River                 | Columbia River | Lat 47°46'50", long 117°32'40", in SW¼NE¼, sec.6, T.26 N., R.42 E., Spokane County, Hydrologic Unit 17010307, and at gaging station.   | 5,205                            | 1948-50‡<br>1951   | 08-30-05   | 938  |
| Little Spokane River                      | Spokane River  | Lat 47°47'52", long 117°22'53", in SE¼NW¼, sec.33, T.27 N., R.43 E., Spokane County, Hydrologic Unit 17010308, downstream from Little Spokane Drive bridge, and upstream from Deadman Creek.   | --                               | 2004   | 08-26-05   | 74   |
| Little Spokane River                      | Spokane River  | Lat 47°47'24", long 117°23'57", in SE¼SW¼, sec.32, T.27 N., R.43 E., Spokane County, Hydrologic Unit 17010308, downstream from foot bridge, and at Pine River Park.  | 660                              | 2004   | 08-26-05   | 82   |
| Little Spokane River                      | Spokane River  | Lat 47°46'11", long 117°27'10", in NE¼NE¼, sec.11, T.26 N., R.42 E., Spokane County, Hydrologic Unit 17010308, at Waikiki Road/Rutter Parkway bridge, and 1.9 mi southwest of Dartford.  | 691                              | 1953<br>1955-58<br>1960-70<br>1973<br>1977<br>1997<br>2004 | 08-26-05   | 274  |
| 12433100<br>Chamokane Creek               | Spokane River  | Lat 47°59'41", long 117°43'31", in SE¼SW¼, sec.23, T.29 N., R.40 E., Stevens County, Hydrologic Unit 17010307, Spokane Indian Reservation, on right bank downstream wingwall of county road bridge, and 4.3 mi south of Springdale.      | 99.9                             | 1973-78‡<br>1979<br>2002-04                                | 10-01-04<br>12-13-04<br>03-22-05<br>05-31-05   | 0<br>5.1<br>22<br>1.0                        |
| BTW WENATCHEE RIVER AND CRAB CREEK BASINS |                |  |                                  |  |  |  |
| 12464607<br>Sand Hollow Creek             | Columbia River | Lat 46°55'46", long 119°57'01", in SW¼SE¼, sec.28, T.16 N., R.26 E., Grant County, Hydrologic Unit 17020010, 0.4 mi east of junction of State Routes 243 and 26, 2 mi east of Vantage, and at mile 0.4.                                  | --                               | 2002-04  | 10-05-04   | 88   |
| CRAB CREEK BASIN                          |                |  |                                  |  |  |  |
| 12470500<br>Rocky Ford Creek              | Moses Lake     | Lat 47°18'46", long 119°26'40", in SW¼SW¼, sec.16, T.21 N., R.27 E., Grant County, Hydrologic Unit 17020015, on right bank, 1.4 mi downstream from source at Rocky Ford Springs, 5.0 mi east of Ephrata, and 6.3 mi upstream from mouth. | 458 <sub>d</sub>                 | 1909-12‡<br>1942-91‡<br>1992-2000<br>2002<br>2004          | 10-14-04<br>12-14-04<br>02-01-05<br>03-03-05<br>04-14-05<br>05-10-05<br>06-06-05<br>08-02-05 | 51<br>35<br>31<br>27<br>28<br>28<br>35<br>42 |
| 12471400<br>Lind Coulee Wasteway          | Crab Creek     | Lat 47°00'20", long 119°08'57", in NW¼SW¼, sec.35, T.18 N., R.29 E., Grant County, Hydrologic Unit 17020015, 0.8 mi downstream from State Route 17 road crossing, and 5 mi northwest of Warden.  | 703                              | 1993-95‡<br>1997-2001‡<br>2002-04                          | 10-06-04   | 219  |

## Discharge Measurements Made at Miscellaneous Sites During Water Year 2005—Continued

| Stream                         | Tributary to   | Location   | Drainage area (mi <sup>2</sup> ) | Measured previously (water year)                | Measurements |                                |
|--------------------------------|----------------|--|----------------------------------|---|--------------|--------------------------------|
|                                |                |  |                                  |   | Date         | Discharge (ft <sup>3</sup> /s) |
| CRAB CREEK BASIN—Continued     |                |  |                                  |   |              |                                |
| 12472520<br>Red Rock<br>Coulee | Crab Creek     | Lat 46°51'20", long 119°35'48", in SW¼, sec.20, T.16 N., R.26 E., Grant County, Hydrologic Unit 17020015, at county road crossing, 3 mi northeast of Smyrna, and at mile 0.8.  | --                               | 2002-04   | 10-06-04     | 114                            |
| YAKIMA RIVER BASIN             |                |  |                                  |   |              |                                |
| Tucker Creek                   | Yakima River   | Lat 47°13'33", long 121°09'03", in SW¼SW¼ sec.18, T.20 N., R.14 E., Kittitas County, Hydrologic Unit 17030001, at U.S. Interstate 90, 1.5 mi southeast of Easton, and 800 ft upstream from mouth.  | --                               | --  | 01-20-05     | 21                             |
| Big Creek                      | Yakima River   | Lat 47°12'15", long 121°06'40", in NE¼NE¼ sec.29, T.20 N., R.14 E., Kittitas County, Hydrologic Unit 17030001, at Nelson Siding Road, 0.3 mi downstream from Kittitas Canal, 4.0 mi southeast of Easton, and 1.3 mi upstream from mouth. | 27.4                             | 1909-11<br>1967<br>1970<br>1973<br>1975<br>1977 | 01-20-05     | 193                            |
| Little Creek                   | Yakima River   | Lat 47°11'53", long 121°05'17", in SW¼NW¼ sec.27, T.20 N., R.14 E., Kittitas County, Hydrologic Unit 17030001, at Nelson Siding Road, 0.5 mi downstream from Kittitas Canal, 5.0 mi southeast of Easton, and 1.1 mi upstream from mouth. | --                               | 1910  | 01-20-05     | 39                             |
| 12479500<br>Yakima River       | Columbia River | Lat 47°11'33", long 120°56'48", in SW¼SE¼ sec.27, T.20 N., R.15 E., Kittitas County, Hydrologic Unit 17030001, at gaging station, at highway bridge at Cle Elum, 0.1 mi downstream from Crystal Creek, and at mile 183.1                 | 495                              | 1904<br>1906-78‡<br>1979                        | 02-24-05     | 529                            |
| Teanaway River                 | Yakima River   | Lat 47°10'22", long 120°50'07", in NE¼NE¼ sec.4, T.19 N., R.16 E., Kittitas County, Hydrologic Unit 17030001, 1.1 mi southeast of Teanaway, and 0.1 mi upstream from mouth.  | 206                              | 1914  | 02-24-05     | 100                            |
| Yakima River                   | Columbia River | Lat 47°09'53", long 120°49'49", in NW¼SW¼ sec.3, T.19 N., R.16 E., Kittitas County, Hydrologic Unit 17030001, downstream from Teanaway River, 1.4 mi southeast of Teanaway, and at mile 176.   | --                               | --  | 02-24-05     | 619                            |
| Swauk Creek                    | Yakima River   | Lat 47°07'29", long 120°44'11", in SW¼NE¼ sec.20, T.19 N., R.17 E., Kittitas County, Hydrologic Unit 17030001, 5 mi northwest of Thorp, and at mouth.  | 100                              | 1981  | 02-24-05     | 9.4                            |
| Taneum Creek                   | Yakima River   | Lat 47°05'00", long 120°43'23", in SW¼NW¼ sec.4, T.18 N., R.17 E., Kittitas County, Hydrologic Unit 17030001, 2.8 mi northwest of Thorp, and 1.5 mi upstream from mouth.   | 75.3                             | 1906<br>1981                                    | 02-24-05     | 19                             |

## Discharge Measurements Made at Miscellaneous Sites During Water Year 2005—Continued

| Stream                       | Tributary to   | Location  | Drainage area (mi <sup>2</sup> ) | Measured previously (water year) | Measurements |                                |
|------------------------------|----------------|---|----------------------------------|----------------------------------|--------------|--------------------------------|
|                              |                |   |                                  |                                  | Date         | Discharge (ft <sup>3</sup> /s) |
| YAKIMA RIVER BASIN—Continued |                |   |                                  |                                  |              |                                |
| Yakima River                 | Columbia River | Lat 47°06'04", long 120°42'04", in NE¼NW¼ sec.34, T.19 N., R.17 E., Kittitas County, Hydrologic Unit 17030001, at county road bridge, 0.7 mi downstream from Taneum Creek, and 2.7 mi northeast of Thorp. | 948                              | 1904                             | 02-24-05     | 625                            |
|                              |                |   |                                  | 1910                             | 02-25-05     | 619                            |
|                              |                |   |                                  | 1971-72                          |              |                                |
|                              |                |   |                                  | 1974-75                          |              |                                |
| Yakima River                 | Columbia River | Lat 47°04'01", long 120°39'15", in SE¼NW¼ sec.12, T.18 N., R.17 E., Kittitas County, Hydrologic Unit 17030001, upstream from Ellensburg Power Canal Diversion, and 0.8 mi east of Thorp.                  | --                               | --                               | 02-25-05     | 653                            |
| Manastash Creek              | Yakima River   | Lat 46°59'41", long 120°35'21", in SW¼NE¼ sec.4, T.17 N., R.18 E., Kittitas County, Hydrologic Unit 17030001, at Brown Road, 1.4 mi west of Ellensburg, and near mouth.                                   | --                               | 1981                             | 02-25-05     | 9.7                            |
| Yakima River                 | Columbia River | Lat 46°58'35", long 120°34'00", in SW¼NE¼ sec.10, T.17 N., R.18 E., Kittitas County, Hydrologic Unit 17030001, at bridge, and 1.0 mi southwest of Ellensburg.   | 1,177                            | 1945                             | 02-25-05     | 672                            |
| Reecer Creek                 | Yakima River   | Lat 47°00'03", long 120°34'28", in SW¼SW¼ sec.34, T.18 N., R.18 E., Kittitas County, Hydrologic Unit 17030001, at Pott Road, and 1.5 mi west of Ellensburg.   | --                               | --                               | 02-25-05     | 5.6                            |
| 12483583 Yakima River        | Columbia River | Lat 46°55'51", long 120°31'04", in NE¼SE¼, sec.25, T.17 N., R.18 E., Kittitas County, Hydrologic Unit 17030001, 0.4 mi northeast of Thrall, and at mile 148.5.  | --                               | 2004                             | 02-25-05     | 735                            |
| Yakima River                 | Columbia River | Lat 46°44'49", long 120°27'59", in SE¼NE¼, sec.32, T.15 N., R.19 E., Kittitas County, Hydrologic Unit 17030001, 0.1 mi southwest of Roza Dam, and 4.0 mi north of Pomona.                                 | --                               | --                               | 09-28-05     | 441                            |
| Yakima River                 | Columbia River | Lat 46°42'56", long 120°27'44", in NW¼SW¼, sec.9, T.14 N., R.19 E., Yakima County, Hydrologic Unit 17030001, and 2 mi northeast of Pomona.  | --                               | --                               | 09-28-05     | 425                            |
| Selah Creek                  | Yakima River   | Lat 46°42'29", long 120°28'02", in NE¼NE¼, sec.17, T.14 N., R.19 E., Yakima County, Hydrologic Unit 17030001, at Hwy 97, and 1.5 mi northeast of Pomona.  | --                               | --                               | 09-28-05     | 0.14                           |
| Yakima River                 | Columbia River | Lat 46°42'26", long 120°28'36", in NE¼NW¼, sec.17, T.14 N., R.19 E., Yakima County, Hydrologic Unit 17030001, and 1.2 mi northeast of Pomona.   | --                               | --                               | 09-28-05     | 399                            |
| Wenas Creek                  | Yakima River   | Lat 46°41'52", long 120°29'39", in NW¼SE¼, sec.18, T.14 N., R.19 E., Yakima County, Hydrologic Unit 17030001, 0.6 mi northwest of Pomona, and 0.3 mi upstream from mouth.                                 | --                               | --                               | 09-28-05     | 1.6                            |

## Discharge Measurements Made at Miscellaneous Sites During Water Year 2005—Continued

| Stream                                     | Tributary to   | Location  | Drainage area (mi <sup>2</sup> ) | Measured previously (water year)   | Measurements |                                |
|--|----------------|---|----------------------------------|--|--------------|--------------------------------|
|  |                |   |                                  |  | Date         | Discharge (ft <sup>3</sup> /s) |
| YAKIMA RIVER BASIN—Continued               |                |   |                                  |  |              |                                |
| Taylor Ditch                               | Yakima River   | Lat 46°40'47", long 120°29'40", in SE¼SW¼, sec.19, T.14 N., R.19 E., Yakima County, Hydrologic Unit 17030001, 0.9 mi southwest of Pomona, and 0.8 mi upstream from mouth.   | --                               | --   | 09-28-05     | 3.9                            |
| Yakima River                               | Columbia River | Lat 46°41'07", long 120°29'21", in NE¼SE¼, sec.19, T.14 N., R.19 E., Yakima County, Hydrologic Unit 17030001, at Harrison Bridge, and 0.5 mi southwest of Pomona.   | --                               | --   | 09-28-05     | 401                            |
| Golf Course and Selah Sewage Outflow Creek | Yakima River   | Lat 46°38'11", long 120°31'36", in SW¼SW¼, sec.1, T.13 N., R.18 E., Yakima County, Hydrologic Unit 17030001, 1.2 mi south of Selah, and at mouth.   | --                               | --   | 09-28-05     | 10                             |
| 12487000 Yakima River                      | Columbia River | Lat 46°37'54", long 120°31'22", in SE¼NW¼, sec.12, T.13 N., R.18 E., Yakima County, Hydrologic Unit 17030001, 0.4 mi upstream from Naches River, 1.6 mi southeast of Selah, and at mile 116.8.  | 2,130                            | 1897<br>1897-1898‡<br>1903-04<br>1904-05‡<br>1910-13<br>1911-12‡<br>2004 | 09-28-05     | 414                            |
| Richartz Ditch                             | Yakima River   | Lat 46°36'50", long 120°28'40", in NE¼SW¼, sec.17, T.13 N., R.19 E., Yakima County, Hydrologic Unit 17030003, and 0.5 mi upstream from mouth.   | --                               | --   | 09-13-05     | 0                              |
| Roza Wasteway No. 2                        | Yakima River   | Lat 46°36'51", long 120°28'33", in NW¼SE¼, sec.17, T.13 N., R.19 E., Yakima County, Hydrologic Unit 17030003, and 0.5 mi upstream from mouth.   | --                               | --   | 09-13-05     | 209                            |
| Yakima River                               | Columbia River | Lat 46°36'15", long 120°28'15", in NE¼NE¼, sec.20, T.13 N., R.19 E., Yakima County, Hydrologic Unit 17030003, near Yakima, and at mile 113.1.   | --                               | --   | 09-13-05     | 2,120                          |
| Wide Hollow Creek                          | Yakima River   | Lat 46°32'20", long 120°28'17", in SE¼SW¼, sec.8, T.12 N., R.19 E., Yakima County, Hydrologic Unit 17030003, 1.3 mi south of Union Gap, and 0.2 mi upstream from mouth.   | 64.8                             | 1975-76  | 09-13-05     | 34                             |
| Moxee Drain                                | Yakima River   | Lat 46°32'17", long 120°27'27", in SW¼SW¼, sec.9, T.12 N., R.19 E., Yakima County, Hydrologic Unit 17030003, at Thorpe Road, 1.6 mi southeast of Union Gap, and 0.3 mi upstream from mouth.   | --                               | --   | 09-13-05     | 59                             |
| 12501990 Ahtanum Creek                     | Yakima River   | Lat 46°31'30", long 120°49'55", in SW¼SW¼, sec.16, T.12 N., R.16 E., Yakima County, Hydrologic Unit 17030003, 1 mi downstream from confluence of North Fork Ahtanum Creek and South Fork Ahtanum Creek, and 1.7mi southeast of Tampico. | 115                              | 1906   | 03-01-05     | 32                             |

## Discharge Measurements Made at Miscellaneous Sites During Water Year 2005—Continued

| Stream                              | Tributary to      | Location   | Drainage<br>area (mi <sup>2</sup> ) | Measured<br>previously<br>(water year) | Measurements                     |                                |
|-------------------------------------|-------------------|--|-------------------------------------|--|----------------------------------|--------------------------------|
|                                     |                   |  |                                     |  | Date                             | Discharge (ft <sup>3</sup> /s) |
| YAKIMA RIVER BASIN—Continued        |                   |  |                                     |  |                                  |                                |
| Union Gap<br>Canal                  | Yakima<br>River   | Lat 46°37'17", long 120°29'15", in NE¼NE¼,<br>sec.18, T.13 N., R.19 E., Yakima County,<br>Hydrologic Unit 17030003, at road crossing, and<br>0.1 mi downstream from diversion from Yakima<br>River.                | --                                  | --                                     | 09-13-05                         | 58                             |
| Union Gap<br>Canal<br>Wasteway      | Yakima<br>River   | Lat 46°30'27", long 120°27'02", in SE¼SW¼,<br>sec.21, T.12 N., R.19 E., Yakima County,<br>Hydrologic Unit 17030003, downstream from<br>Hwy 82, and 0.8 mi northeast of Parker.                                     | --                                  | --                                     | 09-13-05                         | 5.9                            |
| Yakima River                        | Columbia<br>River | Lat 46°29'08", long 120°25'49", in SE¼NW¼,<br>sec.34, T.12 N., R.19 E., Yakima County,<br>Hydrologic Unit 17030003, 1.8 mi northwest of<br>Donald, and at mile 102.7.  | --                                  | 2001<br>2003                           | 09-14-05                         | 431                            |
| Yakima River                        | Columbia<br>River | Lat 46°27'56", long 120°23'45", in SE¼SE¼,<br>sec.2, T.11 N., R.19 E., Yakima County,<br>Hydrologic Unit 17030003, 0.1 mi downstream<br>from Donald Road bridge, 1.6 mi northeast of<br>Wapato, and at mile 100.2. | --                                  | --                                     | 09-14-05                         | 390                            |
| Lateral 1                           | Yakima<br>River   | Lat 46°27'44", long 120°24'34", in SE¼SW¼,<br>sec.2, T.11 N., R.19 E., Yakima County,<br>Hydrologic Unit 17030003, 0.2 mi west of Donald<br>Road, 1.1 mi northeast of Wapato.                                      | --                                  | 2003                                   | 05-26-05<br>07-26-05<br>09-14-05 | 8.1<br>5.6<br>6.2              |
| Roza Canal<br>Wasteway<br>Number 3  | Yakima<br>River   | Lat 46°27'34", long 120°22'07", in NE¼NW¼,<br>sec.7, T.11 N., R.20 E., Yakima County,<br>Hydrologic Unit 17030003, 2.5 mi northeast of<br>Wapato, and 0.7 mi upstream from mouth.                                  | --                                  | 2003                                   | 09-14-05                         | 6.7                            |
| Yakima River                        | Columbia<br>River | Lat 46°24'37", long 120°18'48", in NE¼SE¼,<br>sec.28, T.11 N., R.20 E., Yakima County,<br>Hydrologic Unit 17030003, at Hwy 97, and 2.5 mi<br>north of Toppenish.   | --                                  | --                                     | 09-14-05                         | 537                            |
| Snipes and Allen<br>Ditch Diversion | Yakima<br>River   | Lat 46°26'35", long 120°20'34", in SW¼NE¼,<br>sec.17, T.11 N., R.20 E., Yakima County,<br>Hydrologic Unit 17030003, 0.1 mi west of rail<br>road tracks, and 1.8 mi northwest of Buena.                             | --                                  | --                                     | 09-14-05                         | 9.8                            |
| Roza Canal<br>Wasteway<br>Number 4  | Yakima<br>River   | Lat 46°23'22", long 120°14'05", in NW¼NE¼,<br>sec.6, T.10 N., R.21 E., Yakima County,<br>Hydrologic Unit 17030003, at Yakima Valley<br>Hwy Bridge, and 1 mi southeast of Zillah.                                   | --                                  | 2003                                   | 09-14-05                         | 1.5 <sub>e</sub>               |
| Roza-Sunnyside<br>Joint Drain 19.9  | Yakima<br>River   | Lat 46°22'39", long 120°13'07", in SW¼SE¼,<br>sec.5, T.10 N., R.21 E., Yakima County,<br>Hydrologic Unit 17030003, 0.1 mi northeast of<br>Hwy 410, and 2.6 mi southeast of Zillah.                                 | --                                  | --                                     | 09-14-05                         | 0.43                           |
| Roza-Sunnyside<br>Joint Drain 20.8  | Yakima<br>River   | Lat 46°22'30", long 120°13'09", in NW¼NW¼,<br>sec.8, T.10 N., R.21 E., Yakima County,<br>Hydrologic Unit 17030003, 2.4 mi southeast of<br>Zillah, and 0.2 mi upstream from mouth.                                  | --                                  | --                                     | 09-14-05                         | 0.64                           |



## Discharge Measurements Made at Miscellaneous Sites During Water Year 2005—Continued

| Stream                        | Tributary to   | Location   | Drainage area (mi <sup>2</sup> ) | Measured previously (water year) | Measurements                     |                                |
|-------------------------------|----------------|--|----------------------------------|----------------------------------|----------------------------------|--------------------------------|
|                               |                |  |                                  |                                  | Date                             | Discharge (ft <sup>3</sup> /s) |
| YAKIMA RIVER BASIN—Continued  |                |  |                                  |                                  |                                  |                                |
| 12505350 East Toppenish Drain | Yakima River   | Lat 46°22'03", long 120°14'57", in NW¼SW¼, sec.7, T.10 N., R.21 E., Yakima County, Hydrologic Unit 17030003, at Wilson Road, and 2.5 mi east of Toppenish.                                 | --                               | 1981<br>2003                     | 05-27-05<br>07-26-05<br>09-14-05 | 28<br>2.9<br>23                |
| 12505437 Yakima River         | Columbia River | Lat 46°20'45", long 120°12'17", in NW¼NW¼, sec.21, T.10 N., R.21 E., Yakima County, Hydrologic Unit 17030003, 0.7 mi upstream from State Route 223 crossing, at Granger, and at mile 83.7. | --                               | 2004                             | 11-04-04                         | 2,050                          |
| Sub Drain 35                  | Yakima River   | Lat 46°20'11", long 120°13'48", in SE¼SE¼, sec.19, T.10 N., R.21 E., Yakima County, Hydrologic Unit 17030003, at Parton Road, and 1.8 mi west of Granger.                                  | --                               | 1981                             | 09-14-05                         | 41                             |
| Yakima River                  | Columbia River | Lat 46°20'48", long 120°12'19", in SW¼SW¼, sec.16, T.10 N., R.21 E., Yakima County, Hydrologic Unit 17030003, at Granger, and at mile 83.7.  | --                               | --                               | 09-14-05                         | 529                            |
| DID Drain 27                  | Yakima River   | Lat 46°20'43", long 120°12'08", in NE¼NW¼, sec.21, T.10 N., R.21 E., Yakima County, Hydrologic Unit 17030003, at Granger, and at mouth.  | --                               | --                               | 09-14-05                         | 1.0 <sub>c</sub>               |
| Yakima River                  | Columbia River | Lat 46°20'16", long 120°11'47", in NW¼SE¼, sec.21, T.10 N., R.21 E., Yakima County, Hydrologic Unit 17030003, at Hwy 223 bridge at Granger, and at mile 82.9.                              | --                               | 1981<br>2003                     | 09-14-05                         | 573                            |
| 12505510 Marion Drain         | Yakima River   | Lat 46°19'52", long 120°11'54", in NW¼NE¼, sec.28, T.10 N., R.21 E., Yakima County, Hydrologic Unit 17030003, at Indian Church Road, and 0.3 mi southwest of Granger.                      | --                               | 2003                             | 08-04-05<br>09-14-05             | 3.6<br>15                      |
| 12507508 Toppenish Creek      | Yakima River   | Lat 47°18'48", long 120°11'54", in SW¼NE¼, sec.33, T.10 N., R.21 E., Yakima County, Hydrologic Unit 17030003, at Indian Church Road, 0.8 mi north of Hwy 22, and 1.6 mi south of Granger.  | --                               | --                               | 09-14-05                         | 43                             |
| Yakima River                  | Columbia River | Lat 47°17'57", long 120°06'13", in SE¼NE¼, sec.6, T.9 N., R.22 E., Yakima County, Hydrologic Unit 17030003, 0.3 mi south of Emerald Road, and at mile 75.8.                                | --                               | --                               | 09-14-05                         | 614                            |
| Coulee Drain                  | Yakima River   | Lat 46°17'49", long 120°08'42", in SE¼NE¼, sec.2, T.9 N., R.21 E., Yakima County, Hydrologic Unit 17030003, Yakima Indian Reservation, at North Satus Road, and 1.9 mi north of Satus.     | --                               | 1981-82                          | 09-15-05                         | 13                             |
| DID 16 Drain                  | Yakima River   | Lat 47°16'44", long 120°05'02", in NE¼SE¼, sec.8, T.9 N., R.22 E., Yakima County, Hydrologic Unit 17030003, at South Emerald Road, and 4.8 mi southwest of Sunnyside.                      | --                               | --                               | 09-15-05                         | 14                             |

## Discharge Measurements Made at Miscellaneous Sites During Water Year 2005—Continued

| Stream                       | Tributary to      | Location   | Drainage<br>area (mi <sup>2</sup> ) | Measured<br>previously<br>(water year) | Measurements         |                                |
|------------------------------|-------------------|--|-------------------------------------|--|----------------------|--------------------------------|
|                              |                   |  |                                     |  | Date                 | Discharge (ft <sup>3</sup> /s) |
| YAKIMA RIVER BASIN—Continued |                   |  |                                     |  |                      |                                |
| 12507850<br>Yakima River     | Columbia<br>River | Lat 46°16'37", long 120°05'23", in SW¼SE¼,<br>sec.8, T.9 N., R.22 E., Yakima County,<br>Hydrologic Unit 17030003, 5.1 mi southwest of<br>Sunnyside, and at mile 73.0.  | --                                  | --                                     | 09-14-05             | 638                            |
| Satus Creek                  | Yakima<br>River   | Lat 46°16'32", long 120°08'16", in SE¼SW¼,<br>sec.12, T.9 N., R.21 E., Yakima County,<br>Hydrologic Unit 17030003, Yakima Indian<br>Reservation, at U.S. Bureau of Indian Affairs<br>gage, 0.7 mi northeast of Satus, and 2.6 mi<br>upstream from mouth. | 612                                 | 1974-75<br>1977<br>1981                | 09-15-05             | 54                             |
| 12508630<br>South Drain      | Yakima<br>River   | Lat 46°15'34", long 120°07'57", in NW¼NE¼,<br>sec.24, T.9 N., R.21 E., Yakima County,<br>Hydrologic Unit 17030003, at Hwy 22, and 1.1 mi<br>southeast of Satus.  | --                                  | 1981                                   | 07-26-05<br>09-15-05 | 20<br>46                       |
| Satus No. 2<br>Drain         | Yakima<br>River   | Lat 46°14'33", long 120°06'00", in NW¼NW¼,<br>sec.29, T.9 N., R.22 E., Yakima County,<br>Hydrologic Unit 17030003, at Hwy 22, 0.6 mi<br>southeast of Newquist Road, and 5.1 mi northwest<br>of Mabton.   | --                                  | --                                     | 09-15-05             | 0                              |
| Griffin Lake<br>Drain        | Yakima<br>River   | Lat 46°15'31", long 120°02'29", in NE¼NE¼,<br>sec.22, T.9 N., R.22 E., Yakima County,<br>Hydrologic Unit 17030003, at Green Valley<br>Road, and 3.7 mi northwest of Mabton.  | --                                  | --                                     | 09-15-05             | 3.3                            |
| Satus No. 3<br>Drain         | Yakima<br>River   | Lat 46°13'32", long 120°03'14", in SE¼NW¼,<br>sec.34, T.9 N., R.22 E., Yakima County,<br>Hydrologic Unit 17030003, at Hwy 22, and 2.6 mi<br>northwest of Mabton.   | --                                  | --                                     | 09-15-05             | 15                             |
| Satus 303<br>Drain           | Yakima<br>River   | Lat 46°13'02", long 120°01'08", in SW¼SW¼,<br>sec.36, T.9 N., R.22 E., Yakima County,<br>Hydrologic Unit 17030003, Yakima Indian<br>Reservation, at State Hwy 22, and 1.0 mi<br>northwest of Mabton.   | --                                  | 1981<br>2003                           | 08-26-05<br>09-15-05 | 5.7<br>44                      |
| DID Drain 31                 | Yakima<br>River   | Lat 46°13'47", long 119°55'30", in SW¼SE¼,<br>sec.27, T.9 N., R.23 E., Yakima County,<br>Hydrologic Unit 17030003, at Chase Road, and<br>1.6 mi south of Grandview.  | --                                  | --                                     | 09-15-05             | 17                             |
| Joint DID 2<br>Drain         | Yakima<br>River   | Lat 46°13'27", long 119°55'47", in SE¼NW¼,<br>sec.34, T.9 N., R.23 E., Yakima County,<br>Hydrologic Unit 17030003, 2.0 mi southwest of<br>Grandview, and at mouth.   | --                                  | --                                     | 09-15-05             | 18                             |
| 12509050<br>Yakima River     | Columbia<br>River | Lat 46°13'01", long 119°54'54", in SE¼SE¼,<br>sec.34, T.9 N., R.23 E., Yakima County,<br>Hydrologic Unit 17030003, at Euclid Road<br>bridge, and 2.3 mi south of Grandview.  | --                                  | 1987-90‡                               | 09-15-05             | 988                            |

## Discharge Measurements Made at Miscellaneous Sites During Water Year 2005—Continued

| Stream                        | Tributary to         | Location  | Drainage<br>area (mi <sup>2</sup> ) | Measured<br>previously<br>(water year) | Measurements   |                                |
|-------------------------------|----------------------|---|-------------------------------------|--|--|--------------------------------|
|                               |                      |   |                                     |  | Date   | Discharge (ft <sup>3</sup> /s) |
| YAKIMA RIVER BASIN—Continued  |                      |   |                                     |  |  |                                |
| Outlet for DID<br>No. 10      | Yakima<br>River      | Lat 46°12'02", long 119°51'03", in NE¼NE¼,<br>sec.7, T.8 N., R.24 E., Benton County, Hydrologic<br>Unit 17030003, at North River Road, 4 mi west of<br>Prosser, and 0.5 mi upstream from mouth. | --                                  | --                                     | 09-15-05   | 3.4                            |
| Unnamed Drain                 | Yakima<br>River      | Lat 46°12'38", long 119°46'41", in SE¼NW¼,<br>sec.2, T.8 N., R.24 E., Benton County, Hydrologic<br>Unit 17030003, at Hwy 410, at Prosser, and 0.5<br>mi upstream from mouth.                    | --                                  | --                                     | 09-14-05   | 0.25                           |
| Roza-Sunnyside<br>Joint Drain | Yakima<br>River      | Lat 46°12'47", long 119°46'36", in NW¼NE¼,<br>sec.2, T.8 N., R.24 E., Benton County, Hydrologic<br>Unit 17030003, at Wamba Road, near Prosser,<br>and 0.1 mi upstream from mouth.               | --                                  | --                                     | 09-14-05   | 3.0                            |
| SNAKE RIVER BASIN             |                      |   |                                     |  |  |                                |
| 13349850<br>Rock Creek        | Palouse<br>River     | Lat 47°04'25", long 117°56'03", in NW¼NW¼,<br>sec.8, T.18 N., R.39 E., Whitman County,<br>Hydrologic Unit 17060109, at Whitman County<br>road bridge, and 0.5 mi southwest of Revere.           | --                                  | 2001-04                                | 03-02-05<br>04-01-05<br>07-15-05                         | 23<br>61<br>7.2                |
| 13349860<br>Rock Creek        | Palouse<br>River     | Lat 47°03'34", long 117°57'59", in NW¼NE¼,<br>sec. 13, T.18 N., R.38 E., Whitman County,<br>Hydrologic Unit 17060108, at Whitman County<br>road bridge, and 2.4 mi southwest of Revere.         | --                                  | 2002-04                                | 10-07-04<br>12-09-04<br>03-02-05<br>04-01-05<br>07-15-05 | 4.4<br>9.0<br>33<br>76<br>19   |
| WALLA WALLA RIVER BASIN       |                      |   |                                     |  |  |                                |
| 14012990<br>Mill Creek        | Walla Walla<br>River | Lat 45°59'24", long 118°02'58", unsurveyed,<br>T.6 N., R.38 E., Umatilla County, Hydrologic<br>Unit 17070102, 600 ft downstream from City of<br>Walla Walla intake, and at mile 25.3.           | --                                  | 1924<br>1988-89<br>1994<br>1996-2004   | 08-17-05   | 18                             |

– No data or undetermined.

‡ Operated as a continuous-record gaging site.

a Not previously published.

b Formerly published as "12422000, Spokane River".

c Operated as a crest-stage gage.

d 446 square miles in the vicinity of Banks and Soap Lakes is noncontributing.

e Estimated.