

Figure 58. Location of surface-water stations in the Crab Creek and Esquatzel Coulee Basins and on the Columbia River from Priest Rapids Dam to Kennewick.

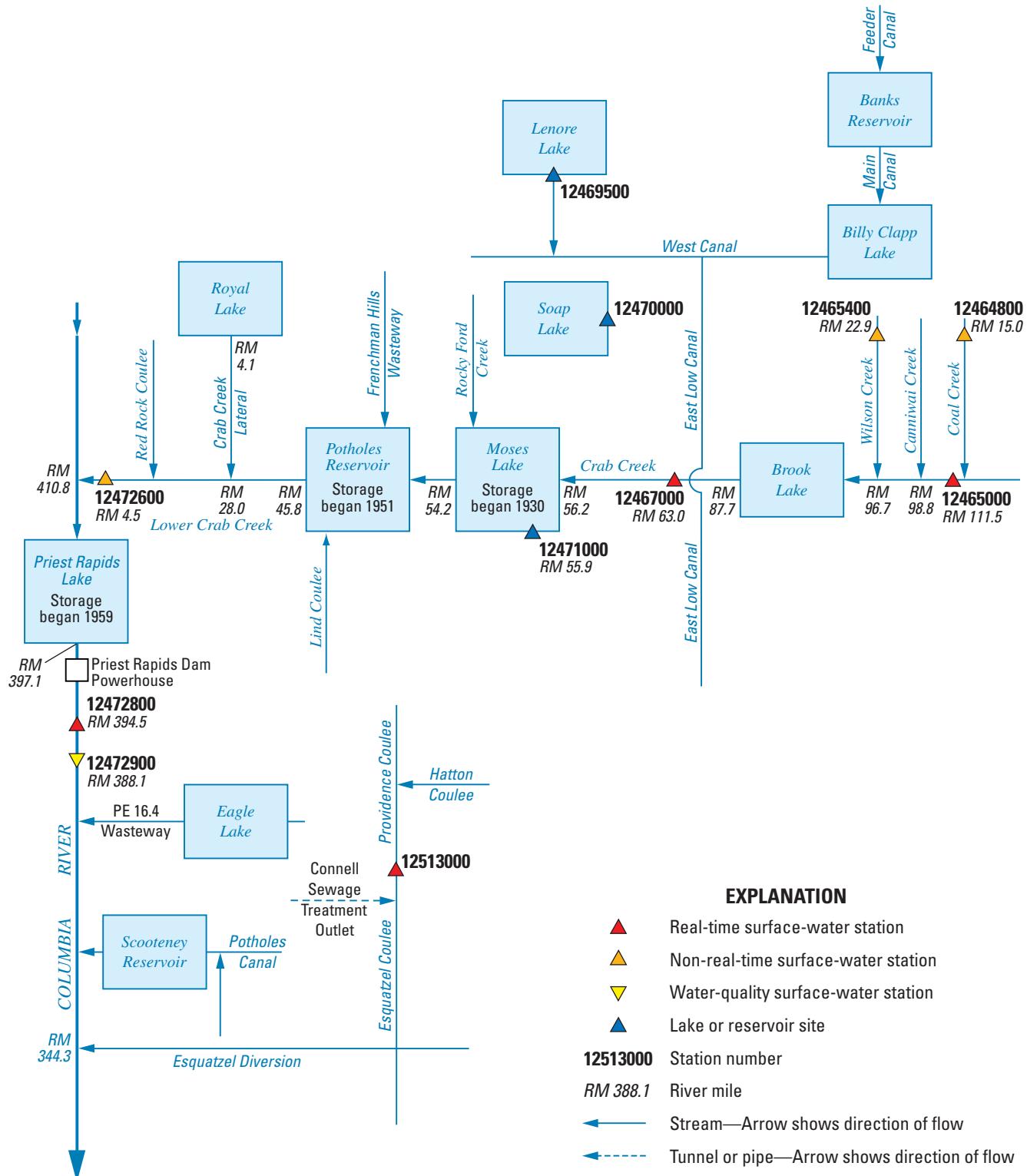


Figure 59. Schematic diagram showing surface-water stations in the Crab Creek and Esquatzel Coulees Basins and on the Columbia River from Priest Rapids Dam to Kennewick.

CRAB CREEK BASIN

12464800 COAL CREEK AT MOHLER, WA

LOCATION.--Lat $47^{\circ}24'25''$, long $118^{\circ}19'04''$, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.22 N., R.36 E., Lincoln County, on left bank 25 ft upstream from bridge on county road, 0.3 mi east of Mohler, and 15 mi upstream from mouth.

DRAINAGE AREA.--64.7 mi².

PERIOD OF RECORD.--April 1963 to September 1974, October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,000 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No known regulation. Some diversion for irrigation above station.

AVERAGE DISCHARGE.--14 years (water years 1964-74, 2003-05), 3.86 ft³/s, 2,790 acre-ft yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 698 ft³/s, Jan. 16, 1971, gage height, 3.28 ft; no flow for long periods most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 3, 1963, reached a stage of 4.42 ft, discharge, 1,060 ft³/s, by slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5.0 ft³/s, Jan. 20, gage height, 1.41 ft; minimum discharge, 0.10 ft³/s, Aug. 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|------|------|------|-------|-------|------|------|------|
| 1 | e0.32 | 0.38 | 0.62 | 0.75 | 1.6 | 2.0 | 3.7 | 1.5 | 1.0 | 0.37 | 0.17 | 0.14 |
| 2 | e0.32 | 0.41 | 0.59 | 0.75 | 1.6 | 2.1 | 3.7 | 1.5 | 0.98 | 0.36 | 0.17 | 0.14 |
| 3 | e0.31 | 0.40 | 0.56 | 0.72 | 1.6 | 2.0 | 3.7 | 1.3 | 0.97 | 0.34 | 0.18 | 0.14 |
| 4 | e0.31 | 0.40 | 0.59 | 0.71 | 1.7 | 2.0 | 3.7 | 1.3 | 0.86 | 0.34 | 0.16 | 0.17 |
| 5 | 0.28 | 0.39 | 0.61 | e0.70 | 1.6 | 2.0 | 3.5 | 1.3 | 0.91 | 0.33 | 0.18 | 0.17 |
| 6 | 0.29 | 0.38 | 0.62 | e0.70 | 1.7 | 1.9 | 3.3 | 1.2 | 0.98 | 0.30 | 0.18 | 0.16 |
| 7 | 0.27 | 0.37 | 0.66 | e0.80 | 1.7 | 1.9 | 3.3 | 1.2 | 0.98 | 0.28 | 0.18 | 0.16 |
| 8 | 0.29 | 0.38 | 0.84 | e0.92 | 1.7 | 1.9 | 3.1 | 1.2 | 0.98 | 0.28 | 0.17 | 0.16 |
| 9 | 0.30 | 0.40 | 0.74 | 0.91 | 1.6 | 1.8 | 3.1 | 1.2 | 0.88 | 0.32 | 0.17 | 0.16 |
| 10 | 0.30 | 0.41 | 0.72 | 0.84 | 1.6 | 1.8 | 2.9 | 1.7 | 0.80 | 0.31 | 0.16 | 0.17 |
| 11 | 0.30 | 0.42 | 0.72 | 0.99 | 1.6 | 1.7 | 2.9 | 1.7 | 0.74 | 0.30 | 0.15 | 0.19 |
| 12 | 0.30 | 0.43 | 0.71 | 1.1 | 1.6 | 1.7 | 2.9 | 1.7 | 0.75 | 0.27 | 0.16 | 0.19 |
| 13 | 0.30 | 0.43 | 0.67 | 1.0 | 1.6 | 1.7 | 2.9 | 1.6 | 0.74 | 0.26 | 0.15 | 0.19 |
| 14 | 0.30 | 0.43 | 0.66 | 1.00 | 1.6 | 1.7 | 2.8 | 1.4 | 0.75 | 0.25 | 0.14 | 0.18 |
| 15 | 0.29 | 0.44 | 0.66 | e0.92 | 1.6 | 1.8 | 2.8 | 1.4 | 0.77 | 0.24 | 0.15 | 0.19 |
| 16 | 0.30 | 0.48 | 0.68 | e1.0 | 1.6 | 1.8 | 2.8 | 1.4 | 0.74 | 0.24 | 0.14 | 0.22 |
| 17 | 0.33 | 0.48 | 0.70 | 1.1 | 1.7 | 1.7 | 2.8 | 1.4 | 0.73 | 0.24 | 0.16 | 0.23 |
| 18 | 0.34 | 0.50 | 0.72 | 1.0 | 1.6 | 1.6 | 2.8 | 1.4 | 0.70 | 0.23 | 0.17 | 0.23 |
| 19 | 0.32 | 0.53 | 0.72 | 1.2 | 1.6 | 1.7 | 2.7 | 1.3 | 0.61 | 0.23 | 0.16 | 0.23 |
| 20 | 0.33 | 0.48 | 0.72 | 1.6 | 1.7 | 1.7 | 2.5 | 1.2 | 0.58 | 0.22 | 0.15 | 0.22 |
| 21 | 0.31 | 0.48 | 0.72 | 3.9 | 1.8 | 1.6 | 2.4 | 1.2 | 0.53 | 0.21 | 0.13 | 0.23 |
| 22 | 0.33 | 0.48 | 0.71 | 2.5 | 1.8 | 1.6 | 2.3 | 1.3 | 0.48 | 0.21 | 0.13 | 0.23 |
| 23 | 0.33 | 0.46 | 0.73 | 1.9 | 1.8 | 1.6 | 2.3 | 1.2 | 0.45 | 0.21 | 0.14 | 0.21 |
| 24 | 0.33 | 0.48 | 0.77 | 1.5 | 1.8 | 1.6 | 2.3 | 1.1 | 0.42 | 0.19 | 0.14 | 0.20 |
| 25 | 0.34 | 0.48 | 0.79 | 1.5 | 1.8 | 1.6 | 2.2 | 1.1 | 0.41 | 0.18 | 0.15 | 0.21 |
| 26 | 0.34 | 0.48 | 0.73 | 1.6 | 1.8 | 1.9 | 2.1 | 1.1 | 0.40 | 0.18 | 0.14 | 0.21 |
| 27 | 0.34 | 0.55 | 0.71 | 1.6 | 1.9 | 2.6 | 2.0 | 1.0 | 0.43 | 0.17 | 0.14 | 0.20 |
| 28 | 0.34 | 0.58 | 0.71 | 1.6 | 2.0 | 3.4 | 1.8 | 1.0 | 0.46 | 0.17 | 0.14 | 0.21 |
| 29 | 0.34 | 0.59 | 0.71 | 1.7 | --- | 3.8 | 1.8 | 1.0 | 0.46 | 0.17 | 0.13 | 0.24 |
| 30 | 0.36 | 0.59 | 0.72 | 1.6 | --- | 3.8 | 1.7 | 0.91 | 0.41 | 0.17 | 0.14 | 0.28 |
| 31 | 0.38 | --- | 0.72 | 1.6 | --- | 3.8 | --- | 0.94 | --- | 0.16 | 0.14 | --- |
| TOTAL | 9.84 | 13.71 | 21.53 | 39.71 | 47.3 | 63.8 | 82.8 | 39.75 | 20.90 | 7.73 | 4.77 | 5.86 |
| MEAN | 0.32 | 0.46 | 0.69 | 1.28 | 1.69 | 2.06 | 2.76 | 1.28 | 0.70 | 0.25 | 0.15 | 0.20 |
| MAX | 0.38 | 0.59 | 0.84 | 3.9 | 2.0 | 3.8 | 3.7 | 1.7 | 1.0 | 0.37 | 0.18 | 0.28 |
| MIN | 0.27 | 0.37 | 0.56 | 0.70 | 1.6 | 1.6 | 1.7 | 0.91 | 0.40 | 0.16 | 0.13 | 0.14 |
| AC-FT | 20 | 27 | 43 | 79 | 94 | 127 | 164 | 79 | 41 | 15 | 9.5 | 12 |
| CFSM | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 |
| IN. | 0.01 | 0.01 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2005, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 0.12 | 0.24 | 2.12 | 11.7 | 10.9 | 14.3 | 4.64 | 1.65 | 0.54 | 0.16 | 0.06 | 0.08 |
| MAX | 0.32 | 0.46 | 16.1 | 46.3 | 42.0 | 102 | 14.8 | 3.71 | 1.11 | 0.36 | 0.32 | 0.34 |
| (WY) | (2005) | (2005) | (1974) | (1971) | (1970) | (1969) | (1969) | (1969) | (2004) | (2004) | (2004) | (2004) |
| MIN | 0.00 | 0.03 | 0.19 | 0.00 | 1.16 | 2.06 | 1.15 | 0.42 | 0.08 | 0.00 | 0.00 | 0.00 |
| (WY) | (1964) | (1964) | (1964) | (1969) | (1964) | (2005) | (1973) | (1973) | (1963) | (1963) | (1963) | (1963) |

12464800 COAL CREEK AT MOHLER, WA—Continued

| SUMMARY STATISTICS | FOR 2004 CALENDAR YEAR | FOR 2005 WATER YEAR | WATER YEARS 1963 - 2005 |
|--------------------------|------------------------|---------------------|-------------------------|
| ANNUAL TOTAL | 1,050.48 | 357.70 | |
| ANNUAL MEAN | 2.87 | 0.98 | 3.86 |
| HIGHEST ANNUAL MEAN | | | 10.9 |
| LOWEST ANNUAL MEAN | | | 0.93 |
| HIGHEST DAILY MEAN | 109 | Feb 18 | 419 |
| LOWEST DAILY MEAN | 0.22 | Aug 15 | Mar 18, 1969 |
| ANNUAL SEVEN-DAY MINIMUM | 0.25 | Aug 11 | 0.00 |
| ANNUAL RUNOFF (AC-FT) | 2,080 | 709 | Jun 19, 1963 |
| ANNUAL RUNOFF (CFSM) | 0.044 | 0.015 | 0.060 |
| ANNUAL RUNOFF (INCHES) | 0.60 | 0.21 | 0.81 |
| 10 PERCENT EXCEEDS | 6.0 | 2.0 | 7.7 |
| 50 PERCENT EXCEEDS | 0.71 | 0.71 | 0.40 |
| 90 PERCENT EXCEEDS | 0.31 | 0.17 | 0.00 |

e Estimated

CRAB CREEK BASIN

12465000 CRAB CREEK AT IRBY, WA

LOCATION.--Lat 47°21'38", long 118°50'56", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.22 N., R.32 E., Lincoln County, Hydrologic Unit 17020013, on right bank 8 ft upstream from highway bridge at Irby, 5.4 mi downstream from Lake Creek, 7.5 mi west of Odessa, and at mile 111.5.

DRAINAGE AREA.--1,042 mi².

PERIOD OF RECORD.--September 1942 to current year.

REVISED RECORDS.--WSP 1446: 1949-51. WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,386.30 ft above NGVD of 1929. Prior to Sept. 29, 2003, gage on right bank at same datum.

REMARKS.--Records fair except for estimated daily discharges and discharges for Oct. 25-Dec. 5, which are poor. Pumpage from ground-water wells for irrigation has been on the increase upstream from station since 1964. U.S. Geological Survey satellite telemeter at station. Some diversions for irrigation upstream from station. No regulation.

AVERAGE DISCHARGE.--63 years (water years 1943-2005), 63.8 ft³/s, 46,190 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,370 ft³/s, Feb. 27, 1957, gage height, 11.94 ft; no flow several days during 1969, 1977, 1978, 1979, 1980, 1989, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

| Date | Time | Discharge (ft ³ /s) | Gage height (ft) | Date | Time | Discharge (ft ³ /s) | Gage height (ft) |
|-------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Dec 1 | 2030 | (a) | *1.21 | Mar 20 | 1945 | *25 | 1.19 |

Minimum daily discharge, 0.96 ft³/s, Nov. 9.

(a) Backwater from debris/beaver dam.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|------|------|-------|-------|------|------|-------|-------|------|------|
| 1 | 2.8 | 2.2 | e2.2 | 2.3 | 2.7 | 9.7 | 15 | 14 | 10 | e9.8 | 4.1 | 1.7 |
| 2 | 2.6 | 2.3 | e2.0 | 2.4 | 2.8 | 9.8 | 15 | 14 | 10 | e9.6 | 4.7 | 1.6 |
| 3 | 2.8 | 3.2 | e1.6 | 2.1 | 2.9 | 9.9 | 16 | 13 | 10 | e9.0 | 4.3 | 1.6 |
| 4 | 2.7 | 2.2 | e1.7 | 2.0 | 3.1 | 10 | 16 | 13 | 9.8 | e8.4 | 4.1 | 1.6 |
| 5 | 2.6 | 1.9 | e1.8 | 1.8 | 3.3 | 10 | 15 | 13 | 10 | e8.0 | 4.0 | 1.4 |
| 6 | 2.5 | 1.7 | 1.9 | 2.1 | 3.2 | 10 | 16 | 13 | 10 | 7.8 | 4.0 | 1.5 |
| 7 | 2.5 | 1.5 | 1.9 | 2.7 | 3.3 | 10 | 16 | 13 | 11 | 7.7 | 4.0 | 2.0 |
| 8 | 2.8 | 1.2 | 3.0 | 2.6 | 3.5 | 11 | 16 | 12 | 10 | 8.0 | 4.1 | 2.2 |
| 9 | 2.7 | 0.96 | 2.1 | 2.4 | 3.6 | 11 | 16 | 13 | 10 | 7.6 | 3.2 | 2.1 |
| 10 | 2.7 | 1.1 | 1.8 | 2.3 | 3.4 | 12 | 16 | 17 | 9.6 | 7.8 | 2.9 | 1.5 |
| 11 | 2.7 | e1.1 | 1.6 | 2.5 | 3.6 | 12 | 15 | 14 | 11 | 7.4 | 2.8 | 1.3 |
| 12 | 2.5 | e1.1 | 1.7 | 2.4 | 3.9 | 12 | 15 | 12 | 11 | 7.0 | 2.7 | 1.4 |
| 13 | 2.4 | 1.1 | 1.6 | 2.4 | 4.2 | 13 | 16 | 12 | 11 | 6.8 | 2.7 | 1.7 |
| 14 | 2.4 | 1.2 | 1.6 | 2.4 | 4.6 | 13 | 16 | 12 | 12 | 6.6 | 2.8 | 1.6 |
| 15 | 2.2 | 1.4 | 1.6 | 1.7 | 4.8 | 13 | 16 | 12 | 12 | 6.6 | 2.7 | 1.6 |
| 16 | 2.3 | 1.8 | 1.6 | e2.7 | 5.3 | 13 | 17 | 13 | 11 | 6.6 | 2.6 | 1.9 |
| 17 | 2.7 | 1.7 | 1.7 | e2.8 | 5.5 | 13 | 18 | 12 | 10 | 6.5 | 2.6 | 1.7 |
| 18 | 3.0 | 2.0 | 1.7 | 2.6 | 6.0 | 13 | 17 | 12 | 10 | 5.9 | 3.5 | 1.5 |
| 19 | 2.6 | 2.0 | 1.6 | 2.9 | 6.4 | 14 | 17 | 13 | 9.6 | 5.5 | 4.0 | 1.4 |
| 20 | 2.2 | 2.3 | 1.6 | 2.9 | 6.8 | 16 | 18 | 11 | 9.3 | 5.3 | 3.2 | 1.5 |
| 21 | 1.9 | 2.0 | 1.8 | 2.8 | 7.2 | 14 | 16 | 12 | 8.9 | 5.3 | 2.7 | 2.0 |
| 22 | 1.9 | 2.0 | 1.8 | 2.8 | 7.5 | 14 | 15 | 12 | 10 | 5.2 | 2.5 | 1.9 |
| 23 | 2.1 | e1.9 | 1.8 | 3.0 | 7.8 | 15 | 16 | 11 | 9.6 | 5.1 | 2.3 | 2.1 |
| 24 | 2.1 | e1.6 | 1.8 | 2.9 | 8.3 | 15 | 15 | 11 | 8.8 | 4.3 | 2.4 | 1.6 |
| 25 | e1.9 | e1.8 | 1.9 | 2.7 | 9.0 | 15 | 15 | 11 | 8.6 | 4.2 | 1.7 | 1.3 |
| 26 | e1.8 | e1.8 | 2.2 | 2.8 | 9.3 | 16 | 14 | 11 | 7.6 | 3.9 | 1.7 | 1.4 |
| 27 | e1.8 | e1.8 | 2.1 | 2.9 | 9.5 | 16 | 13 | 10 | 8.7 | 3.5 | 1.7 | 1.4 |
| 28 | e1.8 | e2.0 | 2.0 | 2.9 | 9.9 | 15 | 13 | 10 | e10 | 3.5 | 1.6 | 1.6 |
| 29 | e1.8 | e2.1 | 2.4 | 2.5 | --- | 15 | 13 | 10 | e11 | 3.8 | 1.3 | 1.4 |
| 30 | 1.9 | e2.1 | 2.5 | 2.6 | --- | 15 | 13 | 11 | e10 | 3.6 | 1.9 | 1.7 |
| 31 | 2.2 | --- | 2.4 | 2.6 | --- | 15 | --- | 11 | --- | 3.6 | 2.2 | --- |
| TOTAL | 72.9 | 53.06 | 59.0 | 78.5 | 151.4 | 400.4 | 465 | 378 | 300.5 | 193.9 | 91.0 | 49.2 |
| MEAN | 2.35 | 1.77 | 1.90 | 2.53 | 5.41 | 12.9 | 15.5 | 12.2 | 10.0 | 6.25 | 2.94 | 1.64 |
| MAX | 3.0 | 3.2 | 3.0 | 3.0 | 9.9 | 16 | 18 | 17 | 12 | 9.8 | 4.7 | 2.2 |
| MIN | 1.8 | 0.96 | 1.6 | 1.7 | 2.7 | 9.7 | 13 | 10 | 7.6 | 3.5 | 1.3 | 1.3 |
| AC-FT | 145 | 105 | 117 | 156 | 300 | 794 | 922 | 750 | 596 | 385 | 180 | 98 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2005, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 7.49 | 7.74 | 17.8 | 104 | 217 | 197 | 101 | 48.5 | 34.7 | 19.7 | 12.4 | 8.64 |
| MAX | 34.7 | 47.8 | 295 | 1,163 | 744 | 1,141 | 441 | 189 | 451 | 109 | 61.2 | 41.9 |
| (WY) | (1949) | (1998) | (1956) | (1956) | (1949) | (1956) | (1969) | (1997) | (1948) | (1948) | (1948) | (1948) |
| MIN | 0.33 | 0.58 | 0.27 | 0.26 | 0.63 | 4.26 | 8.61 | 5.46 | 3.06 | 1.49 | 0.54 | 0.27 |
| (WY) | (1993) | (1993) | (1993) | (1993) | (1992) | (1992) | (1992) | (1990) | (1992) | (1990) | (1992) | (1992) |

12465000 CRAB CREEK AT IRBY, WA—Continued

| SUMMARY STATISTICS | FOR 2004 CALENDAR YEAR | FOR 2005 WATER YEAR | WATER YEARS 1942 - 2005 |
|--------------------------|------------------------|---------------------|-------------------------|
| ANNUAL TOTAL | 5,680.56 | 2,292.86 | |
| ANNUAL MEAN | 15.5 | 6.28 | |
| HIGHEST ANNUAL MEAN | | | 63.8 |
| LOWEST ANNUAL MEAN | | | 299 |
| HIGHEST DAILY MEAN | 168 | Feb 18 | 2.73 |
| LOWEST DAILY MEAN | 0.96 | Nov 9 | 7,470 |
| ANNUAL SEVEN-DAY MINIMUM | 1.1 | Nov 8 | Feb 27, 1957 |
| ANNUAL RUNOFF (AC-FT) | 11,270 | 4,550 | 0.00 |
| 10 PERCENT EXCEEDS | 50 | 14 | Jan 3, 1969 |
| 50 PERCENT EXCEEDS | 5.0 | 3.5 | 0.00 |
| 90 PERCENT EXCEEDS | 1.6 | 1.6 | Jan 15, 1969 |
| | | | 46,190 |
| | | | 142 |
| | | | 16 |
| | | | 2.5 |

e Estimated

CRAB CREEK BASIN

12465400 WILSON CREEK BELOW CORBETT DRAW, NEAR ALMIRA, WA

LOCATION.--Lat 47°39'47", long 118°55'46", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.25 N., R.31 E., Lincoln County, Hydrologic Unit 17020013, on left bank, 65 ft downstream from Corbett Draw, 3.5 mi south of Almira, and at mile 22.9.

DRAINAGE AREA.--327 mi².

PERIOD OF RECORD.--March 1969 to June 1971, 1972-79 (annual peaks only), April 1991 to September 1994, October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,670 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair, except for estimated daily discharge, which are poor. No regulation. Suspended sediment data are available from USGS Washington Water Science Center office.

AVERAGE DISCHARGE.--7 years (water years 1970, 1992-94, 2003-05), 6.87 ft³/s, 4,980 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,220 ft³/s, Jan. 16, 1973, gage height, 7.68 ft; minimum discharge, no flow July 23-30, Aug. 5-12, 2004, June 21-24, July 12, 16-24, Aug. 13-15, and 18-26, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3.2 ft³/s, Oct. 17, gage height, 3.73 ft; minimum discharge, no flow June 21-24, July 12, 16-24, Aug. 13-15, and 18-26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|------|
| 1 | 0.58 | 0.71 | 0.54 | 0.88 | 0.71 | 0.61 | 0.57 | 0.55 | 0.08 | 0.08 | 0.14 | 0.02 |
| 2 | 0.46 | 0.68 | 0.51 | 0.86 | 0.68 | 0.63 | 0.09 | 0.58 | 0.07 | 0.05 | 0.02 | 0.03 |
| 3 | 0.52 | 0.62 | 0.51 | 0.79 | 0.68 | 0.68 | 0.09 | 0.61 | 0.05 | 0.02 | 0.05 | 0.05 |
| 4 | 0.74 | 0.59 | 0.51 | e0.74 | 0.71 | 0.68 | 0.08 | 0.70 | 0.08 | 0.01 | 0.12 | 0.07 |
| 5 | 0.77 | 0.72 | 0.54 | e0.68 | 0.73 | 0.68 | 0.07 | 0.59 | 0.40 | 0.06 | 0.05 | 0.13 |
| 6 | 0.89 | 0.80 | 0.53 | e0.70 | 0.76 | 0.68 | 0.14 | 0.47 | 0.79 | 0.07 | 0.04 | 0.15 |
| 7 | 0.90 | 0.88 | 0.45 | e0.74 | 0.77 | 0.68 | 0.10 | 0.12 | 0.18 | 0.06 | 0.04 | 0.17 |
| 8 | 0.87 | 0.88 | 0.72 | e0.70 | 0.77 | 0.68 | 0.14 | 0.08 | 0.25 | 0.01 | 0.04 | 0.18 |
| 9 | 0.84 | 0.88 | 0.38 | e0.64 | 0.77 | 0.68 | 0.12 | 0.63 | 0.26 | 0.07 | 0.08 | 0.18 |
| 10 | 0.78 | 0.88 | 0.43 | e0.60 | 0.77 | 0.60 | 0.12 | 1.9 | 0.23 | 0.25 | 0.05 | 0.16 |
| 11 | 0.77 | 0.83 | 0.43 | e0.64 | 0.68 | 0.57 | 0.18 | 1.5 | 0.20 | 0.09 | 0.01 | 0.17 |
| 12 | 0.69 | 0.68 | 0.43 | e0.70 | 0.68 | 0.67 | 0.45 | 1.2 | 0.17 | 0.00 | 0.01 | 0.19 |
| 13 | 0.59 | 0.68 | 0.49 | e0.68 | 0.68 | 0.68 | 0.13 | 1.1 | 0.15 | 0.26 | 0.00 | 0.17 |
| 14 | 0.56 | 0.68 | 0.51 | e0.65 | 0.68 | 0.68 | 0.21 | 1.3 | 0.15 | 0.47 | 0.00 | 0.17 |
| 15 | 0.57 | 0.68 | 0.51 | e0.58 | 0.68 | 0.71 | 0.16 | 1.3 | 0.14 | 0.01 | 0.00 | 0.17 |
| 16 | 0.65 | 0.68 | 0.51 | e0.68 | 0.62 | 0.66 | 0.24 | 1.4 | 0.35 | 0.00 | 0.08 | 0.17 |
| 17 | 1.4 | 0.68 | 0.54 | e0.80 | 0.60 | 0.73 | 0.18 | 1.4 | 0.10 | 0.00 | 0.03 | 0.17 |
| 18 | 2.3 | 0.68 | 0.59 | e0.86 | 0.60 | 0.79 | 0.16 | 1.5 | 0.08 | 0.00 | 0.00 | 0.14 |
| 19 | 1.4 | 0.68 | 0.59 | e1.0 | 0.62 | 0.93 | 0.18 | 1.5 | 0.01 | 0.00 | 0.00 | 0.01 |
| 20 | 1.3 | 0.68 | 0.59 | e1.2 | 0.64 | 1.0 | 0.15 | 1.5 | 0.29 | 0.00 | 0.00 | 0.05 |
| 21 | 1.3 | 0.68 | 0.55 | e1.3 | 0.62 | 0.99 | 0.18 | 1.6 | 0.00 | 0.00 | 0.00 | 0.10 |
| 22 | 1.3 | 0.68 | 0.64 | 1.6 | 0.59 | 0.98 | 0.16 | 1.7 | 0.00 | 0.00 | 0.00 | 0.09 |
| 23 | 1.3 | 0.68 | 0.59 | 1.9 | 0.59 | 1.0 | 0.22 | 1.1 | 0.00 | 0.00 | 0.00 | 0.01 |
| 24 | 1.1 | 0.68 | 0.59 | 1.3 | 0.51 | 1.0 | 0.24 | 0.08 | 0.00 | 0.00 | 0.00 | 0.05 |
| 25 | 1.1 | 0.72 | 0.60 | 1.1 | 0.52 | 0.94 | 0.30 | 0.05 | 0.03 | 0.03 | 0.00 | 0.10 |
| 26 | 1.1 | 0.77 | 0.70 | 1.1 | 0.54 | 0.88 | 0.39 | 0.01 | 0.07 | 0.05 | 0.00 | 0.08 |
| 27 | 1.1 | 0.74 | 0.73 | 1.00 | 0.55 | 0.99 | 0.47 | 0.02 | 0.77 | 0.07 | 0.02 | 0.08 |
| 28 | 1.1 | 0.59 | 0.68 | 0.86 | 0.59 | 0.89 | 0.49 | 0.01 | 0.25 | 0.10 | 0.01 | 0.08 |
| 29 | 1.1 | 0.59 | 0.75 | 0.77 | --- | 0.89 | 0.45 | 0.04 | 0.03 | 0.11 | 0.02 | 0.08 |
| 30 | 0.98 | 0.59 | 0.77 | 0.72 | --- | 0.88 | 0.52 | 0.29 | 0.02 | 0.14 | 0.02 | 0.08 |
| 31 | 0.87 | --- | 0.87 | 0.74 | --- | 0.88 | --- | 0.07 | --- | 0.16 | 0.02 | --- |
| TOTAL | 29.93 | 21.31 | 17.78 | 27.51 | 18.34 | 24.34 | 6.98 | 24.90 | 5.20 | 2.17 | 0.85 | 3.30 |
| MEAN | 0.97 | 0.71 | 0.57 | 0.89 | 0.66 | 0.79 | 0.23 | 0.80 | 0.17 | 0.07 | 0.03 | 0.11 |
| MAX | 2.3 | 0.88 | 0.87 | 1.9 | 0.77 | 1.0 | 0.57 | 1.9 | 0.79 | 0.47 | 0.14 | 0.19 |
| MIN | 0.46 | 0.59 | 0.38 | 0.58 | 0.51 | 0.57 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 |
| AC-FT | 59 | 42 | 35 | 55 | 36 | 48 | 14 | 49 | 10 | 4.3 | 1.7 | 6.5 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 1.29 | 1.73 | 2.40 | 12.2 | 24.9 | 49.1 | 20.5 | 7.84 | 3.91 | 8.91 | 1.64 | 0.85 |
| MAX | 2.05 | 3.62 | 6.12 | 39.9 | 157 | 254 | 82.9 | 24.7 | 8.98 | 64.0 | 4.32 | 1.82 |
| (WY) | (1994) | (1971) | (1994) | (1970) | (1970) | (1969) | (1969) | (1969) | (1969) | (1993) | (1993) | (1970) |
| MIN | 0.36 | 0.43 | 0.32 | 0.33 | 0.51 | 0.62 | 0.23 | 0.24 | 0.17 | 0.07 | 0.03 | 0.11 |
| (WY) | (1993) | (1993) | (1993) | (1993) | (1992) | (2005) | (1992) | (2005) | (2005) | (2005) | (2005) | (2005) |

| SUMMARY STATISTICS | FOR 2004 CALENDAR YEAR | | | | FOR 2005 WATER YEAR | | | | WATER YEARS 1969 - 2005 | | | |
|--------------------------|------------------------|--|--|--|---------------------|--|--|--|-------------------------|--|--|--|
| ANNUAL TOTAL | 450.89 | | | | 182.61 | | | | 6.87 | | | |
| ANNUAL MEAN | 1.23 | | | | 0.50 | | | | 26.8 | | | |
| HIGHEST ANNUAL MEAN | | | | | | | | | 1970 | | | |
| LOWEST ANNUAL MEAN | | | | | | | | | 0.50 | | | |
| HIGHEST DAILY MEAN | 4.2 | | | | Jun 6 | | | | 2.3 | | | |
| LOWEST DAILY MEAN | 0.00 | | | | Jul 27 | | | | Oct 18 | | | |
| ANNUAL SEVEN-DAY MINIMUM | 0.07 | | | | Aug 6 | | | | 24.7 | | | |
| ANNUAL RUNOFF (AC-FT) | 894 | | | | 362 | | | | 1,400 | | | |
| 10 PERCENT EXCEEDS | 2.5 | | | | 1.0 | | | | Feb 16, 1970 | | | |
| 50 PERCENT EXCEEDS | 1.1 | | | | 0.55 | | | | 0.00 | | | |
| 90 PERCENT EXCEEDS | 0.33 | | | | 0.01 | | | | Jul 27, 2004 | | | |
| | | | | | | | | | Jul 16, 2005 | | | |
| | | | | | | | | | | | | |

e Estimated

12467000 CRAB CREEK NEAR MOSES LAKE, WA

LOCATION.--Lat $47^{\circ}11'22''$, long $119^{\circ}15'53''$, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.20 N., R.28 E., Grant County, Hydrologic Unit 17020015, on left bank at downstream side of highway bridge, 3.0 mi upstream from Parker Horn, 4.0 mi north of town of Moses Lake, and at mile 63.0.

DRAINAGE AREA.--2,228 mi², of which 219 mi² in the vicinity of Long Lake Reservoir is noncontributing.

PERIOD OF RECORD.--September 1942 to current year.

REVISED RECORDS.--WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,070.39 ft above NGVD of 1929 (Bureau of Reclamation datum). Prior to July 14, 1956, at site 300 ft upstream at same datum.

REMARKS.--Records good, except for estimated daily discharges, which are fair. Numerous small diversions for irrigation and domestic use upstream from station. Most natural flow from upper basin passes this station underground. No known regulation. Since 1952, return flow from irrigation on Columbia Basin project has increased runoff during summer months. Bureau of Reclamation satellite telemeter at station.

AVERAGE DISCHARGE.--54 years (water years 1952-2005), 67.7 ft³/s, 49,010 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft³/s, Feb. 28, 1957, gage height, 6.81 ft; no flow for several months each year prior to 1952 and part of each day Jan. 14, 15, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 59 ft³/s, Sept. 30, gage height, 3.05 ft; minimum discharge, 7.7 ft³/s, Apr. 7.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 41 | 31 | 21 | 18 | 14 | 12 | 8.2 | 20 | 29 | 41 | 46 | 51 |
| 2 | 41 | 31 | 21 | 17 | 14 | 12 | 8.2 | 21 | 31 | 42 | 46 | 52 |
| 3 | 41 | 31 | 21 | e15 | 14 | 12 | 8.2 | 22 | 32 | 42 | 45 | 52 |
| 4 | 41 | 30 | 21 | e13 | 14 | 12 | 11 | 24 | 32 | 42 | 46 | 52 |
| 5 | 41 | 29 | 21 | e12 | 14 | 12 | 8.3 | 25 | 37 | 43 | 46 | 51 |
| 6 | 41 | 29 | 20 | e12 | 13 | 12 | 7.9 | 24 | 38 | 42 | 46 | 51 |
| 7 | 41 | 29 | 21 | e13 | 13 | 12 | 8.1 | 25 | 36 | 44 | 47 | 50 |
| 8 | 41 | 28 | 26 | e13 | 13 | 12 | 12 | 24 | 37 | 44 | 47 | 50 |
| 9 | 42 | 28 | 22 | e13 | 12 | 11 | 13 | 28 | 37 | 46 | 47 | 51 |
| 10 | 40 | 28 | 21 | e13 | 12 | 11 | 13 | 37 | 37 | 45 | 47 | 51 |
| 11 | 40 | 28 | 20 | e13 | 12 | 11 | 14 | 27 | 38 | 46 | 47 | 51 |
| 12 | 40 | 27 | 19 | e13 | 13 | 10 | 14 | 24 | 37 | 45 | 49 | 51 |
| 13 | 40 | 27 | 19 | e12 | 13 | 9.5 | 15 | 24 | 37 | 43 | 49 | 50 |
| 14 | 40 | 26 | 19 | e12 | 12 | 9.2 | 15 | 25 | 37 | 43 | 49 | 49 |
| 15 | 41 | 26 | 19 | e12 | 12 | 9.4 | 15 | 25 | 37 | 43 | 50 | 49 |
| 16 | 41 | 25 | 19 | e12 | 12 | 9.5 | 15 | 26 | 38 | 42 | 51 | 49 |
| 17 | 46 | 25 | 19 | e12 | 11 | 9.2 | 15 | 27 | 39 | 43 | 53 | 50 |
| 18 | 46 | 25 | 18 | e13 | 11 | 9.4 | 15 | 28 | 38 | 43 | 54 | 50 |
| 19 | 42 | 24 | 18 | e13 | 11 | 9.4 | 15 | 28 | e39 | 42 | 52 | 50 |
| 20 | 41 | 24 | 18 | 14 | 12 | 11 | 15 | 28 | e40 | 42 | 51 | 50 |
| 21 | 40 | 24 | 17 | 15 | 12 | 11 | 16 | 29 | 32 | 42 | 50 | 50 |
| 22 | 39 | 23 | 17 | 15 | 12 | 9.5 | 15 | 30 | 35 | 44 | 50 | 51 |
| 23 | 39 | 23 | 17 | 17 | 12 | 9.1 | 15 | 29 | 36 | 44 | 49 | 51 |
| 24 | 38 | 24 | 17 | 17 | 12 | 8.7 | 16 | 28 | 38 | 44 | 50 | 49 |
| 25 | 38 | 23 | 17 | 18 | 12 | 8.6 | 17 | 28 | 42 | 44 | 51 | 49 |
| 26 | 37 | 22 | 17 | 16 | 12 | 10 | 18 | 28 | 40 | 45 | 50 | 49 |
| 27 | 34 | 22 | 17 | 17 | 12 | 12 | 18 | 27 | 41 | 44 | 51 | 56 |
| 28 | 33 | 21 | 16 | 17 | 12 | 11 | 19 | 27 | 44 | 44 | 50 | 52 |
| 29 | 32 | 21 | 16 | 17 | --- | 9.7 | 18 | 28 | 42 | 45 | 51 | 52 |
| 30 | 32 | 21 | 17 | 15 | --- | 9.1 | 19 | 28 | 42 | 45 | 52 | 53 |
| 31 | 31 | --- | 18 | 15 | --- | 8.3 | --- | 28 | --- | 46 | 52 | --- |
| TOTAL | 1,220 | 775 | 589 | 444 | 348 | 322.6 | 416.9 | 822 | 1,118 | 1,350 | 1,524 | 1,522 |
| MEAN | 39.4 | 25.8 | 19.0 | 14.3 | 12.4 | 10.4 | 13.9 | 26.5 | 37.3 | 43.5 | 49.2 | 50.7 |
| MAX | 46 | 31 | 26 | 18 | 14 | 12 | 19 | 37 | 44 | 46 | 54 | 56 |
| MIN | 31 | 21 | 16 | 12 | 11 | 8.3 | 7.9 | 20 | 29 | 41 | 45 | 49 |
| AC-FT | 2,420 | 1,540 | 1,170 | 881 | 690 | 640 | 827 | 1,630 | 2,220 | 2,680 | 3,020 | 3,020 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2005, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 58.4 | 35.6 | 23.0 | 58.3 | 118 | 152 | 80.8 | 48.7 | 46.7 | 57.1 | 67.0 | 69.4 |
| MAX | 111 | 68.9 | 43.8 | 779 | 490 | 1,012 | 582 | 222 | 163 | 113 | 130 | 136 |
| (WY) | (1975) | (1974) | (1974) | (1959) | (1970) | (1956) | (1969) | (1997) | (1997) | (1974) | (1972) | (1971) |
| MIN | 0.28 | 0.19 | 0.13 | 0.03 | 4.31 | 3.60 | 6.30 | 13.4 | 16.7 | 25.4 | 35.2 | 35.6 |
| (WY) | (1952) | (1952) | (1952) | (1952) | (1953) | (1953) | (1964) | (1962) | (1960) | (1959) | (1957) | (1957) |

CRAB CREEK BASIN

12467000 CRAB CREEK NEAR MOSES LAKE, WA—Continued

| SUMMARY STATISTICS | FOR 2004 CALENDAR YEAR | FOR 2005 WATER YEAR | WATER YEARS 1952 - 2005 |
|--------------------------|------------------------|---------------------|-------------------------|
| ANNUAL TOTAL | 9,436.2 | 10,451.5 | |
| ANNUAL MEAN | 25.8 | 28.6 | 67.7 |
| HIGHEST ANNUAL MEAN | | | 183 |
| LOWEST ANNUAL MEAN | | | 25.8 |
| HIGHEST DAILY MEAN | 58 | Aug 25 | 2002 |
| LOWEST DAILY MEAN | 4.4 | Mar 20 | Mar 1, 1957 |
| ANNUAL SEVEN-DAY MINIMUM | 5.2 | Mar 19 | Dec 21, 1951 |
| ANNUAL RUNOFF (AC-FT) | 18,720 | 20,730 | Dec 21, 1951 |
| 10 PERCENT EXCEEDS | 45 | 50 | 49,010 |
| 50 PERCENT EXCEEDS | 24 | 27 | 114 |
| 90 PERCENT EXCEEDS | 10 | 12 | 41 |
| | | | 13 |

e Estimated

12469500 LENORE LAKE NEAR SOAP LAKE, WA

LOCATION.--Lat $47^{\circ}30'52''$, long $119^{\circ}30'06''$, in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.23 N., R.26 E., Grant County, Hydrologic Unit 17020014, on east shore 1,000 ft south of outlet gate on Alkali Lake, and 8.8 mi north of town of Soap Lake.

DRAINAGE AREA.--367 mi², of which 281 mi² in the vicinity of Banks Lake is noncontributing.

PERIOD OF RECORD.--July 1936, March 1938 to December 1956 (fragmentary), January 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929, adjustment of 1937 (Bureau of Reclamation datum). Prior to Dec. 20, 1956, nonrecording gages 0.90 mi uplake at same datum.

REMARKS.--Some diversion from tributaries for irrigation. During extreme high stages of Soap Lake, water is pumped from Soap Lake into Lenore Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 1,087.73 ft, June 12, 1953; minimum, 1,072.72 ft, Jan. 2, 1959 (affected by wind).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 1,092.2 ft, from well-defined alkali line at gage, date unknown.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,077.40 ft, Mar. 28; minimum elevation, 1,074.13 ft, Sept. 24.

ELEVATION, USBR DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | 1,074.42 | 1,074.52 | 1,074.67 | 1,075.15 | 1,075.98 | 1,076.72 | 1,077.34 | 1,076.53 | 1,076.07 | 1,075.47 | 1,074.83 | 1,074.39 |
| 2 | 1,074.44 | 1,074.53 | 1,074.67 | 1,075.16 | 1,076.00 | 1,076.75 | 1,077.30 | 1,076.51 | 1,076.05 | 1,075.44 | 1,074.78 | 1,074.39 |
| 3 | 1,074.44 | 1,074.52 | 1,074.68 | 1,075.19 | 1,076.03 | 1,076.78 | 1,077.27 | 1,076.48 | 1,076.03 | 1,075.40 | 1,074.76 | 1,074.37 |
| 4 | 1,074.44 | 1,074.53 | 1,074.69 | 1,075.17 | 1,076.07 | 1,076.80 | 1,077.24 | 1,076.45 | 1,075.99 | 1,075.39 | 1,074.75 | 1,074.35 |
| 5 | 1,074.44 | 1,074.53 | 1,074.71 | 1,075.22 | 1,076.09 | 1,076.83 | 1,077.20 | 1,076.43 | 1,075.99 | 1,075.38 | 1,074.75 | 1,074.33 |
| 6 | 1,074.46 | 1,074.54 | 1,074.71 | 1,075.24 | 1,076.12 | 1,076.86 | 1,077.17 | 1,076.41 | 1,075.99 | 1,075.36 | 1,074.73 | 1,074.33 |
| 7 | 1,074.45 | 1,074.54 | 1,074.73 | 1,075.28 | 1,076.14 | 1,076.88 | 1,077.15 | 1,076.38 | 1,075.98 | 1,075.33 | 1,074.71 | 1,074.33 |
| 8 | 1,074.44 | 1,074.55 | 1,074.79 | 1,075.34 | 1,076.17 | 1,076.91 | 1,077.13 | 1,076.35 | 1,075.96 | 1,075.34 | 1,074.68 | 1,074.33 |
| 9 | 1,074.47 | 1,074.56 | 1,074.80 | 1,075.37 | 1,076.20 | 1,076.94 | 1,077.08 | 1,076.36 | 1,075.94 | 1,075.34 | 1,074.67 | 1,074.31 |
| 10 | 1,074.46 | 1,074.57 | 1,074.82 | 1,075.39 | 1,076.22 | 1,076.96 | 1,077.06 | 1,076.44 | 1,075.92 | 1,075.37 | 1,074.65 | 1,074.31 |
| 11 | 1,074.46 | 1,074.57 | 1,074.82 | 1,075.41 | 1,076.25 | 1,076.98 | 1,077.04 | 1,076.43 | 1,075.90 | 1,075.34 | 1,074.62 | 1,074.31 |
| 12 | 1,074.46 | 1,074.57 | 1,074.80 | 1,075.43 | 1,076.28 | 1,076.98 | 1,077.02 | 1,076.41 | 1,075.87 | 1,075.31 | 1,074.61 | 1,074.31 |
| 13 | 1,074.46 | 1,074.58 | 1,074.83 | 1,075.45 | 1,076.30 | 1,076.99 | 1,077.01 | 1,076.38 | 1,075.85 | 1,075.27 | 1,074.60 | 1,074.31 |
| 14 | 1,074.47 | 1,074.58 | 1,074.84 | 1,075.47 | 1,076.33 | 1,077.03 | 1,076.97 | 1,076.37 | 1,075.82 | 1,075.24 | 1,074.59 | 1,074.31 |
| 15 | 1,074.47 | 1,074.59 | 1,074.85 | 1,075.49 | 1,076.36 | 1,077.05 | 1,076.94 | 1,076.36 | 1,075.80 | 1,075.21 | 1,074.59 | 1,074.31 |
| 16 | 1,074.47 | 1,074.60 | 1,074.86 | 1,075.53 | 1,076.38 | 1,077.08 | 1,076.93 | 1,076.35 | 1,075.77 | 1,075.18 | 1,074.59 | 1,074.29 |
| 17 | 1,074.50 | 1,074.60 | 1,074.88 | 1,075.56 | 1,076.41 | 1,077.08 | 1,076.91 | 1,076.31 | 1,075.76 | 1,075.16 | 1,074.57 | 1,074.30 |
| 18 | 1,074.54 | 1,074.62 | 1,074.89 | 1,075.59 | 1,076.43 | 1,077.10 | 1,076.86 | 1,076.28 | 1,075.74 | 1,075.15 | 1,074.56 | 1,074.29 |
| 19 | 1,074.53 | 1,074.61 | 1,074.90 | 1,075.61 | 1,076.46 | 1,077.12 | 1,076.83 | 1,076.26 | 1,075.72 | 1,075.13 | 1,074.56 | 1,074.29 |
| 20 | 1,074.54 | 1,074.61 | 1,074.91 | 1,075.64 | 1,076.48 | 1,077.18 | 1,076.81 | 1,076.21 | 1,075.70 | 1,075.10 | 1,074.55 | 1,074.28 |
| 21 | 1,074.54 | 1,074.62 | 1,074.93 | 1,075.66 | 1,076.51 | 1,077.18 | 1,076.79 | 1,076.18 | 1,075.69 | 1,075.07 | 1,074.55 | 1,074.25 |
| 22 | 1,074.54 | 1,074.63 | 1,074.94 | 1,075.69 | 1,076.53 | 1,077.18 | 1,076.76 | 1,076.15 | 1,075.66 | 1,075.06 | 1,074.52 | 1,074.24 |
| 23 | 1,074.54 | 1,074.63 | 1,074.95 | 1,075.72 | 1,076.56 | 1,077.19 | 1,076.74 | 1,076.12 | 1,075.63 | 1,075.06 | 1,074.48 | 1,074.19 |
| 24 | 1,074.53 | 1,074.66 | 1,074.97 | 1,075.75 | 1,076.59 | 1,077.21 | 1,076.72 | 1,076.09 | 1,075.62 | 1,074.99 | 1,074.47 | 1,074.17 |
| 25 | 1,074.52 | 1,074.65 | 1,074.99 | 1,075.78 | 1,076.61 | 1,077.23 | 1,076.71 | 1,076.09 | 1,075.58 | 1,074.97 | 1,074.47 | 1,074.20 |
| 26 | 1,074.52 | 1,074.65 | 1,075.00 | 1,075.80 | 1,076.64 | 1,077.25 | 1,076.68 | 1,076.10 | 1,075.58 | 1,074.96 | 1,074.46 | 1,074.19 |
| 27 | 1,074.52 | 1,074.65 | 1,075.02 | 1,075.83 | 1,076.67 | 1,077.29 | 1,076.63 | 1,076.11 | 1,075.56 | 1,074.95 | 1,074.45 | 1,074.19 |
| 28 | 1,074.53 | 1,074.65 | 1,075.04 | 1,075.86 | 1,076.70 | 1,077.32 | 1,076.61 | 1,076.12 | 1,075.56 | 1,074.94 | 1,074.44 | 1,074.19 |
| 29 | 1,074.53 | 1,074.65 | 1,075.07 | 1,075.89 | --- | 1,077.33 | 1,076.58 | 1,076.12 | 1,075.54 | 1,074.91 | 1,074.42 | 1,074.20 |
| 30 | 1,074.55 | 1,074.66 | 1,075.10 | 1,075.92 | --- | 1,077.32 | 1,076.55 | 1,076.14 | 1,075.51 | 1,074.88 | 1,074.40 | 1,074.21 |
| 31 | 1,074.52 | --- | 1,075.12 | 1,075.95 | --- | 1,077.33 | --- | 1,076.11 | --- | 1,074.86 | 1,074.39 | --- |
| MEAN | 1,074.49 | 1,074.59 | 1,074.87 | 1,075.53 | 1,076.34 | 1,077.06 | 1,076.93 | 1,076.29 | 1,075.79 | 1,075.18 | 1,074.59 | 1,074.28 |
| MAX | 1,074.55 | 1,074.66 | 1,075.12 | 1,075.95 | 1,076.70 | 1,077.33 | 1,077.34 | 1,076.53 | 1,076.07 | 1,075.47 | 1,074.83 | 1,074.39 |
| MIN | 1,074.42 | 1,074.52 | 1,074.67 | 1,075.15 | 1,075.98 | 1,076.72 | 1,076.55 | 1,076.09 | 1,075.51 | 1,074.86 | 1,074.39 | 1,074.17 |
| CAL YR | 2004 | MEAN | 1,075.79 | MAX | 1,078.04 | MIN | 1,074.42 | | | | | |
| WTR YR | 2005 | MEAN | 1,075.49 | MAX | 1,077.34 | MIN | 1,074.17 | | | | | |

CRAB CREEK BASIN

12470000 SOAP LAKE NEAR SOAP LAKE, WA

LOCATION.--Lat 47°24'11", long 119°29'11", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.22 N., R.27 E., Grant County, Hydrologic Unit 17020014, on east shore 0.9 mi north of town of Soap Lake.

DRAINAGE AREA.--413 mi², of which 281 mi² in the vicinity of Banks Lake is noncontributing.

PERIOD OF RECORD.--May to August 1936, March 1938 to February 1957 (fragmentary), March 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929, adjustment of 1937 (Bureau of Reclamation datum). Prior to Feb. 4, 1953, nonrecording gage at site 0.2 mi uplake. Feb. 4, 1953, to June 8, 1954, nonrecording gage at site 1.5 mi uplake and June 9, 1954, to June 21, 1957, water-stage recorder at site 0.2 mi uplake.

REMARKS.--Some diversion from tributaries for irrigation. During extreme high stages of Soap Lake, water is pumped from Soap Lake into Lenore Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 1,079.20 ft, Jan. 28, 1953; minimum elevation, 1,070.45 ft, Sept. 29, 2005.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 1,083.1 ft, from well-defined alkali line at gage, date unknown.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,072.06 ft, May 17; minimum elevation, 1,070.45 ft, Sept. 29.

ELEVATION, USBR DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | --- | 1,071.08 | 1,071.14 | --- | --- | 1,071.85 | --- | 1,071.95 | 1,071.89 | 1,071.62 | 1,071.15 | 1,070.71 |
| 2 | --- | 1,071.05 | 1,071.14 | --- | 1,071.74 | 1,071.86 | --- | 1,071.94 | 1,071.87 | 1,071.58 | 1,071.12 | 1,070.71 |
| 3 | --- | 1,071.04 | 1,071.13 | --- | 1,071.75 | 1,071.87 | --- | 1,071.94 | 1,071.86 | 1,071.55 | 1,071.11 | 1,070.69 |
| 4 | --- | 1,071.05 | 1,071.15 | 1,071.54 | 1,071.75 | 1,071.87 | --- | 1,071.95 | 1,071.84 | 1,071.55 | 1,071.10 | 1,070.67 |
| 5 | --- | 1,071.05 | 1,071.17 | --- | 1,071.75 | 1,071.88 | --- | 1,071.95 | 1,071.86 | 1,071.54 | 1,071.10 | 1,070.65 |
| 6 | --- | 1,071.04 | 1,071.18 | --- | 1,071.76 | 1,071.88 | --- | 1,071.95 | 1,071.88 | 1,071.53 | 1,071.08 | --- |
| 7 | --- | 1,071.05 | 1,071.19 | --- | 1,071.77 | 1,071.89 | --- | 1,071.93 | 1,071.86 | 1,071.51 | 1,071.07 | --- |
| 8 | --- | 1,071.05 | 1,071.22 | --- | 1,071.77 | 1,071.90 | --- | 1,071.93 | 1,071.87 | 1,071.50 | 1,071.06 | --- |
| 9 | --- | 1,071.06 | 1,071.26 | --- | 1,071.77 | 1,071.90 | --- | 1,071.96 | 1,071.86 | 1,071.50 | 1,071.04 | --- |
| 10 | --- | 1,071.06 | 1,071.26 | --- | 1,071.78 | 1,071.91 | --- | 1,072.03 | 1,071.85 | 1,071.49 | 1,071.02 | 1,070.62 |
| 11 | --- | 1,071.07 | 1,071.28 | --- | 1,071.79 | 1,071.91 | --- | 1,072.04 | 1,071.82 | 1,071.49 | 1,071.01 | 1,070.66 |
| 12 | --- | 1,071.08 | 1,071.30 | --- | 1,071.79 | 1,071.90 | --- | 1,072.04 | 1,071.80 | 1,071.48 | 1,070.99 | 1,070.68 |
| 13 | --- | 1,071.07 | 1,071.28 | --- | 1,071.79 | 1,071.90 | 1,071.96 | 1,072.04 | 1,071.79 | 1,071.45 | 1,070.97 | 1,070.64 |
| 14 | --- | 1,071.08 | 1,071.28 | --- | 1,071.79 | 1,071.90 | 1,071.96 | 1,072.04 | 1,071.78 | 1,071.43 | 1,070.96 | 1,070.64 |
| 15 | 1,071.01 | 1,071.08 | 1,071.30 | --- | 1,071.80 | 1,071.89 | 1,071.95 | 1,072.04 | 1,071.76 | 1,071.42 | 1,070.96 | 1,070.60 |
| 16 | 1,071.00 | 1,071.09 | 1,071.30 | --- | 1,071.80 | 1,071.89 | 1,071.97 | 1,072.05 | 1,071.76 | 1,071.40 | 1,070.94 | 1,070.59 |
| 17 | 1,071.03 | 1,071.10 | 1,071.31 | --- | 1,071.81 | --- | 1,071.96 | 1,072.03 | 1,071.75 | 1,071.39 | 1,070.92 | 1,070.60 |
| 18 | 1,071.06 | 1,071.12 | 1,071.32 | --- | 1,071.81 | --- | 1,071.96 | 1,072.02 | 1,071.75 | 1,071.39 | 1,070.92 | 1,070.59 |
| 19 | 1,071.08 | 1,071.11 | 1,071.32 | --- | 1,071.81 | --- | 1,071.96 | 1,072.01 | 1,071.74 | 1,071.36 | 1,070.92 | 1,070.59 |
| 20 | 1,071.10 | 1,071.10 | 1,071.32 | --- | 1,071.81 | --- | 1,071.96 | 1,072.00 | 1,071.74 | 1,071.34 | 1,070.91 | 1,070.57 |
| 21 | 1,071.10 | 1,071.11 | 1,071.34 | --- | 1,071.82 | --- | 1,071.96 | 1,071.99 | 1,071.73 | 1,071.33 | 1,070.90 | 1,070.56 |
| 22 | 1,071.08 | 1,071.12 | 1,071.34 | 1,071.73 | 1,071.82 | --- | 1,071.96 | 1,072.00 | 1,071.71 | 1,071.32 | 1,070.87 | 1,070.55 |
| 23 | 1,071.11 | 1,071.12 | 1,071.35 | 1,071.76 | 1,071.82 | --- | 1,071.96 | 1,071.98 | 1,071.70 | 1,071.32 | 1,070.82 | 1,070.53 |
| 24 | 1,071.09 | 1,071.16 | 1,071.36 | 1,071.73 | 1,071.83 | --- | 1,071.97 | 1,071.97 | 1,071.69 | 1,071.27 | 1,070.81 | 1,070.52 |
| 25 | 1,071.07 | 1,071.14 | 1,071.35 | --- | 1,071.83 | --- | 1,071.97 | 1,071.96 | 1,071.66 | 1,071.25 | 1,070.80 | 1,070.48 |
| 26 | 1,071.12 | 1,071.12 | 1,071.38 | --- | 1,071.84 | --- | 1,071.98 | 1,071.95 | 1,071.65 | 1,071.25 | 1,070.79 | 1,070.48 |
| 27 | 1,071.07 | 1,071.14 | 1,071.38 | --- | 1,071.84 | --- | 1,071.97 | 1,071.95 | 1,071.65 | 1,071.24 | 1,070.78 | 1,070.48 |
| 28 | 1,071.08 | 1,071.14 | 1,071.39 | --- | 1,071.85 | --- | 1,071.96 | 1,071.94 | 1,071.65 | 1,071.23 | 1,070.78 | 1,070.49 |
| 29 | 1,071.08 | 1,071.13 | 1,071.40 | 1,071.76 | --- | --- | 1,071.95 | 1,071.94 | 1,071.64 | 1,071.20 | 1,070.75 | 1,070.47 |
| 30 | 1,071.08 | 1,071.13 | 1,071.41 | 1,071.73 | --- | --- | 1,071.95 | 1,071.94 | 1,071.64 | 1,071.19 | 1,070.72 | 1,070.48 |
| 31 | 1,071.06 | --- | --- | --- | --- | --- | --- | 1,071.91 | --- | 1,071.18 | 1,070.71 | --- |
| MEAN | --- | 1,071.09 | --- | --- | --- | --- | --- | 1,071.98 | 1,071.77 | 1,071.40 | 1,070.94 | --- |
| MAX | --- | 1,071.16 | --- | --- | --- | --- | --- | 1,072.05 | 1,071.89 | 1,071.62 | 1,071.15 | --- |
| MIN | --- | 1,071.04 | --- | --- | --- | --- | --- | 1,071.91 | 1,071.64 | 1,071.18 | 1,070.71 | --- |

12471000 MOSES LAKE AT MOSES LAKE, WA

LOCATION.--Lat 47°06'11", long 119°19'02", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.19 N., R.28 E., Grant County, Hydrologic Unit 17020015, on east shore 35 ft north of Interstate 90, 1.7 mi upstream from outlet, at town of Moses Lake, and at mile 55.9.

DRAINAGE AREA.--3,080 mi², of which 665 mi² is noncontributing.

PERIOD OF RECORD.--June 1909 to September 1914 and November 1936 to September 1945 (fragmentary), October 1945 to current year. Published as "at Nappel" 1912-14.

REVISED RECORDS.--WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929, adjustment of 1937 (Bureau of Reclamation datum). Prior to Apr. 3, 1910, nonrecording gage at site 0.6 mi northeast at different datum. Apr. 3, 1910, to Sept. 30, 1914, and Nov. 19, 1936, to Nov. 24, 1944, nonrecording gages at site 2.8 mi northeast at Parker Horn at various datums. Oct. 30, 1945, to Mar. 12, 1955, water-stage recorder at site near west shore on downstream side of bridge on U.S. Highway 10 at present datum.

REMARKS.--Elevation controlled between 1,041 ft and 1,047 ft by two outlet structures at south end of lake. Many small diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,048.29 ft, Mar. 10, 1950; minimum observed, 1,038.17 ft, Aug. 27, 1910.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,047.05 ft, Sept. 2, 3; minimum elevation, 1,042.34 ft, Dec. 28, 29.

ELEVATION, USBR DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | 1,046.79 | 1,046.67 | 1,042.61 | 1,042.37 | 1,043.25 | 1,044.04 | 1,043.84 | 1,046.67 | 1,046.71 | 1,046.70 | 1,046.79 | 1,046.98 |
| 2 | 1,046.82 | 1,046.38 | 1,042.59 | 1,042.39 | 1,043.28 | 1,044.07 | 1,044.05 | 1,046.68 | 1,046.70 | 1,046.69 | 1,046.78 | 1,047.04 |
| 3 | 1,046.80 | 1,046.06 | 1,042.57 | 1,042.38 | 1,043.31 | 1,044.09 | 1,044.27 | 1,046.68 | 1,046.69 | 1,046.69 | 1,046.78 | 1,047.03 |
| 4 | 1,046.76 | 1,045.76 | 1,042.55 | 1,042.37 | 1,043.35 | 1,044.12 | 1,044.55 | 1,046.71 | 1,046.68 | 1,046.70 | 1,046.78 | 1,047.00 |
| 5 | 1,046.75 | 1,045.50 | 1,042.53 | 1,042.37 | 1,043.38 | 1,044.14 | 1,044.83 | 1,046.74 | 1,046.71 | 1,046.71 | 1,046.77 | 1,047.00 |
| 6 | 1,046.75 | 1,045.27 | 1,042.52 | 1,042.38 | 1,043.40 | 1,044.17 | 1,045.14 | 1,046.73 | 1,046.73 | 1,046.71 | 1,046.76 | 1,047.00 |
| 7 | 1,046.76 | 1,045.06 | 1,042.53 | 1,042.40 | 1,043.43 | 1,044.20 | 1,045.48 | 1,046.73 | 1,046.72 | 1,046.71 | 1,046.76 | 1,046.96 |
| 8 | 1,046.78 | 1,044.88 | 1,042.52 | 1,042.44 | 1,043.46 | 1,044.22 | 1,045.83 | 1,046.78 | 1,046.72 | 1,046.71 | 1,046.76 | 1,046.92 |
| 9 | 1,046.80 | 1,044.71 | 1,042.52 | 1,042.46 | 1,043.50 | 1,044.24 | 1,046.15 | 1,046.85 | 1,046.72 | 1,046.73 | 1,046.75 | 1,046.89 |
| 10 | 1,046.81 | 1,044.53 | 1,042.51 | 1,042.49 | 1,043.53 | 1,044.27 | 1,046.40 | 1,046.90 | 1,046.72 | 1,046.74 | 1,046.73 | 1,046.86 |
| 11 | 1,046.82 | 1,044.27 | 1,042.51 | 1,042.51 | 1,043.56 | 1,044.29 | 1,046.64 | 1,046.91 | 1,046.72 | 1,046.76 | 1,046.72 | 1,046.86 |
| 12 | 1,046.82 | 1,044.05 | 1,042.51 | 1,042.55 | 1,043.59 | 1,044.30 | 1,046.65 | 1,046.89 | 1,046.70 | 1,046.76 | 1,046.73 | 1,046.85 |
| 13 | 1,046.81 | 1,043.85 | 1,042.47 | 1,042.58 | 1,043.62 | 1,044.26 | 1,046.70 | 1,046.88 | 1,046.70 | 1,046.77 | 1,046.76 | 1,046.80 |
| 14 | 1,046.79 | 1,043.69 | 1,042.45 | 1,042.60 | 1,043.64 | 1,044.20 | 1,046.73 | 1,046.86 | 1,046.71 | 1,046.77 | 1,046.79 | 1,046.79 |
| 15 | 1,046.79 | 1,043.55 | 1,042.46 | 1,042.62 | 1,043.67 | 1,044.19 | 1,046.77 | 1,046.87 | 1,046.72 | 1,046.78 | 1,046.80 | 1,046.79 |
| 16 | 1,046.80 | 1,043.44 | 1,042.46 | 1,042.67 | 1,043.69 | 1,044.19 | 1,046.78 | 1,046.87 | 1,046.73 | 1,046.76 | 1,046.80 | 1,046.77 |
| 17 | 1,046.83 | 1,043.34 | 1,042.46 | 1,042.71 | 1,043.72 | 1,044.18 | 1,046.78 | 1,046.79 | 1,046.74 | 1,046.75 | 1,046.78 | 1,046.74 |
| 18 | 1,046.81 | 1,043.24 | 1,042.45 | 1,042.76 | 1,043.74 | 1,044.14 | 1,046.79 | 1,046.79 | 1,046.75 | 1,046.75 | 1,046.79 | 1,046.74 |
| 19 | 1,046.75 | 1,043.16 | 1,042.44 | 1,042.79 | 1,043.77 | 1,044.11 | 1,046.77 | 1,046.81 | 1,046.76 | 1,046.75 | 1,046.82 | 1,046.74 |
| 20 | 1,046.73 | 1,043.08 | 1,042.42 | 1,042.82 | 1,043.80 | 1,044.09 | 1,046.75 | 1,046.71 | 1,046.77 | 1,046.74 | 1,046.84 | 1,046.73 |
| 21 | 1,046.72 | 1,043.02 | 1,042.41 | 1,042.85 | 1,043.83 | 1,044.06 | 1,046.74 | 1,046.67 | 1,046.76 | 1,046.74 | 1,046.83 | 1,046.67 |
| 22 | 1,046.70 | 1,042.96 | 1,042.40 | 1,042.89 | 1,043.85 | 1,043.99 | 1,046.73 | 1,046.68 | 1,046.77 | 1,046.78 | 1,046.80 | 1,046.68 |
| 23 | 1,046.72 | 1,042.91 | 1,042.39 | 1,042.93 | 1,043.88 | 1,043.87 | 1,046.71 | 1,046.66 | 1,046.80 | 1,046.78 | 1,046.75 | 1,046.72 |
| 24 | 1,046.74 | 1,042.85 | 1,042.38 | 1,042.96 | 1,043.90 | 1,043.71 | 1,046.69 | 1,046.65 | 1,046.81 | 1,046.76 | 1,046.70 | 1,046.72 |
| 25 | 1,046.77 | 1,042.81 | 1,042.37 | 1,042.99 | 1,043.93 | 1,043.59 | 1,046.67 | 1,046.66 | 1,046.79 | 1,046.74 | 1,046.67 | 1,046.73 |
| 26 | 1,046.76 | 1,042.78 | 1,042.36 | 1,043.03 | 1,043.96 | 1,043.49 | 1,046.67 | 1,046.67 | 1,046.76 | 1,046.70 | 1,046.65 | 1,046.77 |
| 27 | 1,046.69 | 1,042.75 | 1,042.36 | 1,043.07 | 1,043.99 | 1,043.43 | 1,046.67 | 1,046.69 | 1,046.74 | 1,046.68 | 1,046.66 | 1,046.78 |
| 28 | 1,046.75 | 1,042.70 | 1,042.35 | 1,043.11 | 1,044.02 | 1,043.37 | 1,046.65 | 1,046.70 | 1,046.74 | 1,046.68 | 1,046.68 | 1,046.74 |
| 29 | 1,046.80 | 1,042.66 | 1,042.35 | 1,043.14 | --- | 1,043.38 | 1,046.64 | 1,046.71 | 1,046.70 | 1,046.69 | 1,046.73 | 1,046.72 |
| 30 | 1,046.78 | 1,042.63 | 1,042.36 | 1,043.18 | --- | 1,043.51 | 1,046.65 | 1,046.71 | 1,046.69 | 1,046.73 | 1,046.77 | 1,046.72 |
| 31 | 1,046.75 | --- | 1,042.36 | 1,043.21 | --- | 1,043.65 | --- | 1,046.71 | --- | 1,046.76 | 1,046.87 | --- |
| MEAN | 1,046.77 | 1,043.95 | 1,042.46 | 1,042.71 | 1,043.64 | 1,043.99 | 1,046.16 | 1,046.75 | 1,046.73 | 1,046.73 | 1,046.76 | 1,046.83 |
| MAX | 1,046.83 | 1,046.67 | 1,042.61 | 1,043.21 | 1,044.02 | 1,044.30 | 1,046.79 | 1,046.91 | 1,046.81 | 1,046.78 | 1,046.87 | 1,047.04 |
| MIN | 1,046.69 | 1,042.63 | 1,042.35 | 1,042.37 | 1,043.25 | 1,043.37 | 1,043.84 | 1,046.65 | 1,046.68 | 1,046.68 | 1,046.65 | 1,046.67 |

CAL YR 2004 MEAN 1,044.97 MAX 1,047.02 MIN 1,042.13
WTR YR 2005 MEAN 1,045.30 MAX 1,047.04 MIN 1,042.35

CRAB CREEK BASIN

12471400 LIND COULEE WASTEWAY AT STATE ROUTE 17, NEAR WARDEN, WA

WATER-QUALITY RECORDS

LOCATION.--Lat 47°00'20", long. 119°08'57", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ 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.

PERIOD OF RECORD.--November 1991 to March 2001, July 2002 to October 2004 (discontinued).

DRAINAGE AREA.--710 mi².

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April 1994 to September 1995. July 1997 to June 1998, January 1999 to March 2001.

REMARKS.--Station was a Central Columbia Plateau National Water-Quality Assessment Program (NAWQA) surface-water quality trend site from April 1997 to March 2001.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 24.5°C (rounded), July 24, 1994; minimum recorded, 1.0°C (rounded), Jan. 10, 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| Date | Station number | Time | Instantaneous discharge, cfs (00061) | pH, water, unfldr field, std units (00400) | Specif. conduc-tance, wat unf 25 degC (00095) | Temper-ature, air, deg C (00020) | Temper-ature, water, deg C (00010) | Hard-ness, water, mg/L as CaCO ₃ (00900) | Calcium water, fltrd, mg/L (00915) | Magnes-iump, water, fltrd, mg/L (00925) | Potas-sium, water, fltrd, mg/L (00935) | |
|-----------|----------------|------|---|---|--|-------------------------------------|---------------------------------------|--|---------------------------------------|--|---|------|
| OCT 06... | 12471400 | 1410 | 219 | 12.8 | 8.2 | 340 | 24.5 | 16.2 | 120 | 30.6 | 11.8 | 3.18 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Sodium adsorp-tion ratio (00931) | Sodium, water, fltrd, mg/L (00930) | Sodium, percent (00932) | Alka-linity, wat flt inc tit field, mg/L as CaCO ₃ (39086) | Bicar-bonate, wat flt incr. titr., field, mg/L (00453) | Carbon-bonate, wat flt incr. titr., field, mg/L (00452) | Chlor-ide, wat er, fltrd, mg/L (00940) | Fluor-ide, wat er, fltrd, mg/L (00950) | Silica, wat er, fltrd, mg/L (00955) | Sulfate water, fltrd, mg/L (00945) | Residue water, fltrd, sum of constituents mg/L (70301) | Residue water, fltrd, tons/acre-ft (70303) | Residue water, fltrd, tons/d (70302) |
|-----------|-------------------------------------|---------------------------------------|----------------------------|---|--|---|---|---|--|---------------------------------------|---|---|---|
| OCT 06... | .8 | 21.2 | 26 | 130 | 157 | .0 | 6.25 | .4 | 25.9 | 27.0 | 213 | .31 | 133 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Residue on evap. + at 180degC wat flt mg/L as N (00625) | Ammonia water, unfltrd, mg/L as N (00608) | Nitrite + nitrate water, unfltrd, mg/L as N (00631) | Ortho-phosphate, water, unfltrd, mg/L as P (00671) | Phos-phorus, water, unfltrd, mg/L (00665) | Total nitro- gen, water, unfltrd, mg/L (00600) | Iron, water, unfltrd, ug/L (01046) | Mangan-ese, water, fltrd, ug/L (01056) | 2,4,5-T surrog, water, fltrd, percent recovery (99958) | 2,4-D methyl ester, water, fltrd, ug/L (50470) | 2,4-D water, fltrd, ug/L (39732) | 2,4-DB water, fltrd, ug/L (38746) | |
|-----------|---|--|---|---|--|--|---------------------------------------|---|---|---|-------------------------------------|--------------------------------------|---|
| OCT 06... | 225 | .17 | .020 | 2.16 | .030 | .052 | 2.3 | 9 | 6.7 | 80.5 | <.016 | E.04 | M |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | 2,6-Di-ethyl-aniline water fltrd, 0.7u GF ug/L (82660) | CIAT, water, fltrd, ug/L (04040) | CEAT, water, fltrd, ug/L (04038) | OIET, water, fltrd, ug/L (50355) | Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308) | 3-Keto-carbo-furan, water, fltrd, ug/L (50295) | Aceto-chlor, water, fltrd, ug/L (49260) | Aci-fluor-fen, water, fltrd, ug/L (49315) | Ala-chlor, water, fltrd, ug/L (46342) | Aldi-carb sulfone, water, fltrd, ug/L (49313) | Aldi-carb sulfide, water, fltrd, ug/L (49314) | Aldi-carb water, fltrd, ug/L (49312) | alpha-HCH, water, fltrd, ug/L (34253) |
|-----------|---|-------------------------------------|-------------------------------------|-------------------------------------|--|---|--|--|--|--|--|---|--|
| OCT 06... | <.006 | E.004 | <.08 | <.032 | <.008 | <.02 | <.006 | <.028 | <.005 | <.02 | <.022 | <.04 | <.005 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | alpha-HCH-d6, surrog, wat flt 0.7u GF ug/L percent recovery (91065) | Azin-phos-methyl, Atra-zine, water, fltrd, ug/L (39632) | Barban, surrog, Sched. 2060/9060, wat flt pct rcv (82686) | Ben-flur-alin, water, fltrd, ug/L (50299) | Benomyl water, fltrd, ug/L (82673) | Bensul-furon, water, fltrd, ug/L (50300) | Ben-tazon, water, fltrd, ug/L (61693) | Brom-a-cil, water, fltrd, ug/L (38711) | Bromoxynil, water, fltrd, ug/L (04029) | Butyl-ate, water, fltrd, ug/L (49311) | Caf-feine, water, fltrd, ug/L (04028) | alpha-HCH, water, fltrd, ug/L (50305) | |
|-----------|---|--|--|--|---------------------------------------|---|--|---|---|--|--|--|-------|
| OCT 06... | 85.8 | .012 | <.050 | 70.7 | <.02 | <.010 | <.022 | <.02 | E.01 | <.02 | <.03 | <.004 | <.018 |

12471400 LIND COULEE WASTEWAY AT STATE ROUTE 17, NEAR WARDEN, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Caffeine-13C, surrog, wat flt percent recovery (99959) | Carbaryl, water, fltrd 0.7u GF ug/L (49310) | Carbaryl, water, fltrd 0.7u GF ug/L (82680) | Carbo-furan, water, fltrd 0.7u GF ug/L (49309) | Carbo-furan, water, fltrd 0.7u GF ug/L (82674) | Chloramben methyl ester, water, fltrd, ug/L (61188) | Chlorimuron, water, fltrd, ug/L (50306) | Chloro-diamino-s-triazine, water, fltrd, ug/L (04039) | Chlorothalonil, water, fltrd, ug/L (49306) | Chlorpyrifos water, fltrd, ug/L (38933) | cis-Permethrin water fltrd, ug/L (82687) | Clopyralid, water, fltrd, ug/L (49305) | Cyanazine, water, fltrd, ug/L (04041) |
|-----------|--|---|---|--|--|---|---|---|--|---|--|--|---------------------------------------|
| OCT 06... | E71.9 | <.02 | <.041 | <.016 | <.020 | <.02 | <.032 | E.01 | <.04 | <.005 | <.006 | <.02 | <.018 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Cycloate, water, fltrd, ug/L (04031) | Dacthal mono-acid, water, fltrd, 0.7u GF ug/L (49304) | Desulfuryl DCPA, water, fltrd, 0.7u GF ug/L (82682) | Diazinon-d10 Diazinon, water, fltrd, ug/L (62170) | Dicamba Diazinon, water, fltrd, ug/L (39572) | Di-chlorprop, water, fltrd, 0.7u GF ug/L (38442) | Diel-drin, water, fltrd, 0.7u GF ug/L (49302) | Dinoseb Dinoseb, water, fltrd, ug/L (39381) | Diphenamid, water, fltrd, ug/L (49301) | Disulfoton, water, fltrd, 0.7u GF ug/L (04033) | Diuron, water, fltrd, 0.7u GF ug/L (49300) | | |
|-----------|--------------------------------------|---|---|---|--|--|---|---|--|--|--|------|------|
| OCT 06... | <.01 | <.03 | <.003 | <.012 | <.005 | 99.7 | <.04 | <.03 | <.009 | <.04 | <.01 | <.02 | <.01 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | EPTC, water, fltrd, 0.7u GF ug/L (82668) | Ethalflur-alin, water, fltrd, 0.7u GF ug/L (82663) | Etho-prop, water, fltrd, 0.7u GF ug/L (82672) | Desulfuryl Fenuron water, fltrd, 0.7u GF ug/L (49297) | Fipro-nil fipronil amide, water, fltrd, ug/L (62169) | Fipro-nil sulfide water, fltrd, ug/L (62167) | Fipro-nil sulfone water, fltrd, ug/L (62168) | Fipro-nil water, fltrd, ug/L (62166) | Flumetsulam, water, fltrd, ug/L (61694) | Fluometuron water, fltrd, ug/L (38811) | Fonofos water, fltrd, ug/L (04095) | Imazquin, water, fltrd, ug/L (50356) | Imazethapyr, water, fltrd, ug/L (50407) |
|-----------|--|--|---|---|--|--|--|--------------------------------------|---|--|------------------------------------|--------------------------------------|---|
| OCT 06... | <.004 | <.009 | <.005 | <.02 | <.029 | <.013 | <.024 | <.016 | <.04 | <.02 | <.003 | <.04 | <.04 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Imidacloprid water, fltrd, ug/L (61695) | Lindane water, fltrd, 0.7u GF ug/L (39341) | Linuron water, fltrd, 0.7u GF ug/L (38478) | Linuron water, fltrd, 0.7u GF ug/L (82666) | Mala-thion, water, fltrd, ug/L (39532) | MCPA, water, fltrd, 0.7u GF ug/L (38482) | MCPB, water, fltrd, 0.7u GF ug/L (38487) | Metala-xyl, water, fltrd, ug/L (50359) | Methio-carb, water, fltrd, 0.7u GF ug/L (38501) | Meth-oxy, water, fltrd, 0.7u GF ug/L (49296) | Methyl para-thion, water, fltrd, 0.7u GF ug/L (82667) | Metola-chlor, water, fltrd, ug/L (39415) | Metribuzin, water, fltrd, ug/L (82630) |
|-----------|---|--|--|--|--|--|--|--|---|--|---|--|--|
| OCT 06... | <.020 | <.004 | <.01 | <.035 | <.027 | <.03 | <.01 | <.01 | <.010 | <.020 | <.015 | .007 | <.006 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Metsulfuron, water, fltrd, ug/L (61697) | Moli-nate, water, fltrd, 0.7u GF ug/L (82671) | N-(4-Chlorophenyl)-N'-methylurea, water, fltrd, 0.7u GF ug/L (61692) | Napropamide, water, fltrd, 0.7u GF ug/L (82684) | Neburon water, fltrd, 0.7u GF ug/L (49294) | Nicosulfuron, water, fltrd, 0.7u GF ug/L (50364) | Norflurazon, water, fltrd, 0.7u GF ug/L (49293) | Oryzalin, water, fltrd, 0.7u GF ug/L (49292) | Oxamyl, water, fltrd, 0.7u GF ug/L (38866) | p,p'-DDE, water, fltrd, 0.7u GF ug/L (34653) | Parathion, water, fltrd, 0.7u GF ug/L (39542) | Pebulate, water, fltrd, 0.7u GF ug/L (82669) | Pendimethalin, water, fltrd, 0.7u GF ug/L (82683) |
|-----------|---|---|--|---|--|--|---|--|--|--|---|--|---|
| OCT 06... | <.03 | <.003 | <.04 | <.007 | <.01 | <.04 | <.02 | <.01 | <.03 | <.003 | <.010 | <.004 | <.022 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Phorate water fltrd, 0.7u GF ug/L (82664) | Picloram, water, fltrd, 0.7u GF ug/L (49291) | Prometon, water, fltrd, 0.7u GF ug/L (04037) | Propyzamide, water, fltrd, 0.7u GF ug/L (82676) | Propachlor, water, fltrd, 0.7u GF ug/L (04024) | Propanil, water, fltrd, 0.7u GF ug/L (82679) | Propar-gite, water, fltrd, 0.7u GF ug/L (82685) | Propham water, fltrd, 0.7u GF ug/L (49236) | Propiconazole, water, fltrd, 0.7u GF ug/L (50471) | Propoxur, water, fltrd, 0.7u GF ug/L (38538) | Siduron water, fltrd, 0.7u GF ug/L (38548) | Simazine, water, fltrd, 0.7u GF ug/L (04035) | Sulfor-muron, water, fltrd, 0.7u GF ug/L (50337) |
|-----------|---|--|--|---|--|--|---|--|---|--|--|--|--|
| OCT 06... | <.011 | <.03 | <.01 | <.004 | <.025 | <.011 | <.02 | <.030 | <.01 | <.008 | <.02 | <.005 | <.038 |

CRAB CREEK BASIN

12471400 LIND COULEE WASTEWAY AT STATE ROUTE 17, NEAR WARDEN, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Tebuthiuron water fltrd 0.7u GF ug/L (82670) | Terbacil, water, fltrd 0.7u GF ug/L (82665) | Terbacil, water, fltrd, 0.7u GF ug/L (04032) | Terbuthfos, water, fltrd 0.7u GF ug/L (82675) | Thiobencarb water fltrd 0.7u GF ug/L (82681) | Triallate, water, fltrd 0.7u GF ug/L (82678) | Triclopyr, water, fltrd 0.7u GF ug/L (49235) | Trifluralin, water, fltrd 0.7u GF ug/L (82661) |
|--------------|---|--|---|--|---|---|---|---|
| OCT 06... | <.02 | <.034 | <.016 | <.02 | <.010 | <.006 | <.03 | <.009 |

12472520 RED ROCK COULEE NEAR SMYRNA, WA

WATER-QUALITY RECORDS

LOCATION.--Lat. 46°51'20", long. 119°35'48", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20 T.16 N., R.26 E., Grant County, Hydrologic Unit 17020015, on downstream side of county road crossing at mile 0.8, 3 miles northeast of Smyrna.

DRAINAGE AREA.--19 mi².

PERIOD OF RECORD.--July 2002 to October 2004 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| Date | Station number | Time | Instantaneous discharge, cfs (00061) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | Disolved oxygen, percent of saturation (00301) | pH, water, unfltrd field, std units (00400) | Specif. conductance, wat unf uS/cm 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Hardness, water, mg/L as CaCO ₃ (00900) | Noncarb hardness, wat flt field, mg/L as CaCO ₃ (00904) |
|-----------|----------------|------|--------------------------------------|------------------------------------|--------------------------------|--|---|--|---------------------------------|-----------------------------------|--|--|
| OCT 06... | 12472520 | 0930 | 114 | 745 | 9.5 | 101 | 8.2 | 418 | 16.5 | 17.1 | 170 | 11 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Calcium water, fltrd, mg/L (00915) | Magnesium, water, fltrd, mg/L (00925) | Potassium, water, fltrd, mg/L (00935) | Sodium adsorp-tion ratio (00931) | Sodium, water, fltrd, mg/L (00930) | Sodium, percent mg/L as CaCO ₃ (39086) | Alkalinity, wat flt inc tit field, mg/L (00453) | Bicar-bonate, wat flt incrm. titr., field, mg/L (00452) | Carbon-ate, wat flt incrm. titr., field, mg/L (00450) | Chlor-ide, water, fltrd, mg/L (00940) | Fluor-ide, water, fltrd, mg/L (00950) | Silica, water, fltrd, mg/L (00955) | Sulfate water, fltrd, mg/L (00945) |
|-----------|------------------------------------|---------------------------------------|---------------------------------------|----------------------------------|------------------------------------|---|---|---|---|---------------------------------------|---------------------------------------|------------------------------------|------------------------------------|
| OCT 06... | 38.4 | 18.5 | 2.75 | .7 | 21.4 | 21 | 162 | 196 | .0 | 9.46 | .4 | 26.9 | 34.1 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Residue water, fltrd, sum of constituents mg/L (70301) | Residue water, fltrd, tons/acre-ft (70303) | Residue water, fltrd, tons/d (70302) | Residue on evap. at 180degC wat flt mg/L (70300) | Ammonia + org-N, water, fltrd, mg/L as N (00625) | Ammonia water, fltrd, mg/L as N (00608) | Nitrite + nitrate water, fltrd, mg/L as N (00631) | Ortho-phosphate, water, fltrd, mg/L as P (00671) | Phosphorus, water, unfltrd mg/L (00665) | Total nitrogen, water, unfltrd mg/L (00600) | Iron, water, fltrd, ug/L (01046) | Manganese, water, fltrd, ug/L (01056) | 2,4,5-T surrog, water, fltrd, percent recovery (99958) |
|-----------|--|--|--------------------------------------|--|--|---|---|--|---|---|----------------------------------|---------------------------------------|--|
| OCT 06... | 258 | .36 | 82.3 | 268 | .21 | .040 | 2.08 | .005 | .026 | 2.3 | E5 | 1.6 | 83.3 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | 2,4-D methyl ester, water, fltrd, ug/L (50470) | 2,4-DB | 2,6-Diethyl-aniline | CIAT, water, fltrd, ug/L (82660) | CEAT, water, fltrd, ug/L (04038) | OIET, water, fltrd, ug/L (50355) | 3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308) | 3-Keto-carbo-furan, water, fltrd, ug/L (50295) | Aceto-chlor, water, fltrd, ug/L (49260) | Aci-fluor-fen, water, fltrd, ug/L (49315) | Ala-chlor, water, fltrd, ug/L (46342) | Aldi-carb sulfone water, fltrd, 0.7u GF ug/L (49313) | |
|-----------|--|--------|---------------------|----------------------------------|----------------------------------|----------------------------------|---|--|---|---|---------------------------------------|--|------|
| OCT 06... | <.016 | .05 | <.02 | <.006 | E.009 | <.08 | <.032 | <.008 | <.02 | <.006 | <.028 | <.005 | <.02 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314) | Aldi-carb, water, fltrd, ug/L (49312) | alpha-HCH-d6, surrog, wat flt 0.7u GF ug/L (34253) | Atrazine, water, fltrd, ug/L (39632) | Azin-phos-methyl, water, fltrd, ug/L (82686) | Barban, surrog, Sched. 2060/9060, wat flt pct rev | Bendio-carb, water, fltrd, ug/L (50299) | Ben-flur-alin, water, fltrd, ug/L (82673) | Benomyl, water, fltrd, ug/L (50300) | Bensul-furon, water, fltrd, ug/L (61693) | Benzazon, water, fltrd, ug/L (38711) | Bromacil, water, fltrd, ug/L (04029) | |
|-----------|--|---------------------------------------|--|--------------------------------------|--|---|---|---|-------------------------------------|--|--------------------------------------|--------------------------------------|------|
| OCT 06... | <.022 | <.04 | <.005 | 86.7 | .018 | <.050 | 85.1 | <.02 | <.010 | <.022 | <.02 | E.07 | <.02 |

12472520 RED ROCK COULEE NEAR SMYRNA, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Bromoxynil, water, fltrd 0.7u GF ug/L (49311) | Butyl- ate, water, fltrd, ug/L (04028) | Caf- feine, surrog., wat flt percent recovery (99959) | Caf- feine- 13C, water, fltrd (50305) | Car- baryl, water, fltrd 0.7u GF ug/L (49310) | Car- baryl, water, fltrd 0.7u GF ug/L (82680) | Carbo- furan, water, fltrd 0.7u GF ug/L (49309) | Carbo- furan, water, fltrd 0.7u GF ug/L (82674) | Chlor- amben- methyl ester, water, fltrd, ug/L (61188) | Chlori- muron, water, fltrd, ug/L (50306) | Chloro- di- amino- s-tri- azine, wat flt ug/L (04039) | Chloro- thalo- nil, water, fltrd 0.7u GF ug/L (49306) | Chloro- pyrifos water, fltrd, ug/L (38933) |
|--------------|--|---|---|--|---|---|---|---|---|--|--|--|---|
| OCT 06... | <.03 | <.004 | <.018 | E73.8 | <.02 | <.041 | <.016 | <.020 | <.02 | <.032 | E.01 | <.04 | <.005 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | cis- Permethrin water fltrd 0.7u GF ug/L (82687) | Clopyr- alid, water, fltrd 0.7u GF ug/L (49305) | Cyana- zine, water, fltrd, ug/L (04041) | Cyclo- ate, water, fltrd, ug/L (04031) | Dacthal mono- acid, water, fltrd 0.7u GF ug/L (49304) | Desulf- inyl fipro- nil, water, fltrd 0.7u GF ug/L (82682) | Diazi- non-d10 surrog. wat flt 0.7u GF percent recovery (39572) | Diazi- non, water, fltrd, ug/L (62170) | Dicamba water, fltrd 0.7u GF ug/L (38442) | Di- chlor- prop, water, fltrd 0.7u GF ug/L (49302) | Diel- drin, water, fltrd 0.7u GF ug/L (39381) | Dinoseb water, fltrd 0.7u GF ug/L (49301) | |
|--------------|--|---|--|---|--|--|--|---|--|---|---|--|------|
| OCT 06... | <.006 | <.02 | <.018 | <.01 | <.03 | E.003 | <.012 | <.005 | 101 | <.04 | <.03 | <.009 | <.04 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Diphen- amid, water, fltrd, ug/L (04033) | Disul- foton, water, fltrd 0.7u GF ug/L (82677) | Diuron, water, fltrd 0.7u GF ug/L (49300) | EPTC, water, fltrd 0.7u GF ug/L (82668) | Ethal- flu- alin, water, fltrd 0.7u GF ug/L (82663) | Etho- prop, water, fltrd 0.7u GF ug/L (82672) | Fenuron water, fltrd 0.7u GF ug/L (49297) | Desulf- inyl fipro- nil amide, water, fltrd, ug/L (62169) | Fipro- nil sulfide water, fltrd, ug/L (62167) | Fipro- nil sulfone water, fltrd, ug/L (62168) | Fipro- nil, water, fltrd, ug/L (62166) | Fluometuron water fltrd 0.7u GF ug/L (38811) | |
|--------------|---|---|--|--|--|---|--|---|---|---|---|---|------|
| OCT 06... | <.01 | <.02 | <.01 | E.003 | <.009 | <.005 | <.02 | <.029 | <.013 | <.024 | <.016 | <.04 | <.02 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Fonofos water, fltrd, ug/L (04095) | Imaza- quin, water, fltrd, ug/L (50356) | Imaze- thapyr, water, fltrd, ug/L (50407) | Imida- cloprid water, fltrd, ug/L (61695) | Lindane water, fltrd, ug/L (39341) | Linuron water, fltrd 0.7u GF ug/L (38478) | Linuron water, fltrd 0.7u GF ug/L (82666) | Mala- thion, water, fltrd, ug/L (39532) | MCPA, water, fltrd 0.7u GF ug/L (38482) | MCPB, water, fltrd 0.7u GF ug/L (38487) | Metala- xyl, water, fltrd, ug/L (50359) | Methio- carb, water, fltrd 0.7u GF ug/L (49296) | |
|--------------|--|--|--|--|--|--|--|--|--|--|--|---|-------|
| OCT 06... | <.003 | <.04 | <.04 | <.020 | <.004 | <.01 | <.035 | <.027 | <.03 | <.01 | <.01 | <.010 | <.020 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Methyl para- thion, water, fltrd 0.7u GF ug/L (82667) | Metola- chlor, water, fltrd, ug/L (39415) | Metri- buzin, water, fltrd, ug/L (82630) | Metsul- furon, water, fltrd, ug/L (61697) | Moli- nate, water, fltrd 0.7u GF ug/L (82671) | N-(4- Chloro- phenyl) -N'- methyl- urea, water, fltrd 0.7u GF ug/L (61692) | Naprop- amide, water, fltrd 0.7u GF ug/L (82684) | Neburon water, fltrd 0.7u GF ug/L (49294) | Nico- sul- furon, water, fltrd, ug/L (50364) | Norflur- azon, water, fltrd 0.7u GF ug/L (49293) | Ory- zalin, water, fltrd 0.7u GF ug/L (49292) | Oxamyl, water, fltrd 0.7u GF ug/L (38866) | p,p'- DDE, water, fltrd, ug/L (34653) |
|--------------|--|--|---|--|---|--|--|--|--|--|---|--|--|
| OCT 06... | <.015 | <.006 | <.006 | <.03 | <.003 | <.04 | <.007 | <.01 | <.04 | <.02 | <.01 | <.03 | <.003 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Peb- ulate, water, fltrd 0.7u GF ug/L (382669) | Phorate water, fltrd 0.7u GF ug/L (82683) | Pic- loram, water, fltrd 0.7u GF ug/L (49291) | Prome- ton, water, fltrd 0.7u GF ug/L (04037) | Propy- zamide, water, fltrd 0.7u GF ug/L (82676) | Propa- chlor, water, fltrd 0.7u GF ug/L (04024) | Pro- panil, water, fltrd 0.7u GF ug/L (82679) | Propar- gite, water, fltrd 0.7u GF ug/L (82685) | Propham water fltrd 0.7u GF ug/L (49236) | Propi- conazole, water, fltrd 0.7u GF ug/L (50471) | Pro- poxur, water, fltrd 0.7u GF ug/L (38538) | | |
|--------------|--|--|---|---|--|---|---|---|---|--|---|------|-------|
| OCT 06... | <.010 | <.004 | <.022 | <.011 | <.03 | <.01 | <.004 | <.025 | <.011 | <.02 | <.030 | <.01 | <.008 |

12472520 RED ROCK COULEE NEAR SMYRNA, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Siduron water, fltrd, ug/L (38548) | Sima- zine, water, fltrd, ug/L (04035) | Sulfo- met- ruron, water, fltrd, ug/L (50337) | Tebu- thiuron water fltrd 0.7u GF ug/L (82670) | Terba- cil, water, fltrd 0.7u GF ug/L (82665) | Terba- cil, water, fltrd 0.7u GF ug/L (04032) | Terbu- fos, water, fltrd 0.7u GF ug/L (82675) | Thio- bencarb water fltrd 0.7u GF ug/L (82681) | Tri- allate, water, fltrd 0.7u GF ug/L (82678) | Tri- clopyr, water, fltrd 0.7u GF ug/L (49235) | Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661) |
|--------------|--|---|---|--|---|---|---|--|--|--|---|
| OCT 06... | <.02 | .011 | <.038 | <.02 | <.034 | <.016 | <.02 | <.010 | <.006 | <.03 | <.009 |

CRAB CREEK BASIN

12472600 CRAB CREEK NEAR BEVERLY, WA

LOCATION.--Lat 46°49'48", long 119°49'48", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.16 N., R.24 E., Grant County, Hydrologic Unit 17020015, on right bank 4.9 mi east of Beverly, and at mile 4.5.

DRAINAGE AREA.--4,842 mi², of which 665 mi² in the vicinity of Soap Lake is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1959 to current year.

REVISED RECORDS.--WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 500 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and those below 120 ft³/s, which are poor. Records for May 5 to June 12 are missing due to vandalism and discharge could not be estimated. Many diversions upstream from station for irrigation. Flow largely regulated by Potholes Reservoir 41.3 mi upstream. A major portion of flow is return flows, including transbasin diversions, from parts of the Columbia Basin project. Chemical analyses water years 1959-72, 1975-76, 1978, 1980, 2002-2005. Daily water temperatures August 1959 to September 1962, July 1968 to August 1970.

AVERAGE DISCHARGE.--44 years (water years 1960-99, 2001-04), 201 ft³/s, 145,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 936 ft³/s, Mar. 3, 1980, gage height, 6.46 ft; minimum discharge, 10 ft³/s, Jan. 10, 1963, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded, 347 ft³/s, Oct. 22, gage height, 3.84 ft; minimum discharge recorded, 79 ft³/s, June 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|--------|-------|--------|--------|-------|--------|-----|-----|-------|--------|--------|
| 1 | 271 | 227 | 168 | 181 | 260 | 145 | 224 | 123 | --- | 193 | 105 | 252 |
| 2 | 265 | 214 | 165 | 182 | 251 | 156 | 222 | 120 | --- | 156 | 119 | 248 |
| 3 | 285 | 213 | 145 | 177 | 230 | 156 | 225 | 122 | --- | 145 | 130 | 247 |
| 4 | 296 | 205 | 150 | 173 | 213 | 172 | 219 | 116 | --- | 148 | 138 | 239 |
| 5 | 314 | 200 | 160 | e150 | 204 | 172 | 228 | --- | --- | 159 | 152 | 254 |
| 6 | 315 | 187 | 155 | e140 | 205 | 169 | 238 | --- | --- | 157 | 150 | 260 |
| 7 | 297 | 184 | 159 | e140 | 199 | 162 | 226 | --- | --- | 152 | 151 | 263 |
| 8 | 295 | 189 | 163 | e150 | 195 | 154 | 221 | --- | --- | 153 | 152 | 272 |
| 9 | 305 | 194 | 158 | 164 | 191 | 147 | 229 | --- | --- | 163 | 145 | 278 |
| 10 | 307 | 188 | 159 | 166 | 191 | 146 | 228 | --- | --- | 183 | 153 | 255 |
| 11 | 304 | 187 | 164 | 165 | 194 | 147 | 219 | --- | --- | 189 | 154 | 265 |
| 12 | 298 | 184 | 164 | 167 | 197 | 146 | 236 | --- | --- | 164 | 145 | 296 |
| 13 | 293 | 177 | 164 | 170 | 197 | 148 | 253 | --- | 140 | 179 | 149 | 294 |
| 14 | 296 | 174 | 165 | 165 | 189 | 141 | 255 | --- | 141 | 183 | 179 | 295 |
| 15 | 297 | 173 | 165 | 158 | 179 | 138 | 250 | --- | 145 | 151 | 177 | 300 |
| 16 | 240 | 174 | 159 | 154 | 172 | 138 | 247 | --- | 152 | 142 | 166 | 288 |
| 17 | 233 | 172 | 158 | 150 | 166 | 128 | 261 | --- | 153 | 139 | 185 | 269 |
| 18 | 269 | 171 | 157 | 155 | 163 | 123 | 266 | --- | 152 | 141 | 224 | 264 |
| 19 | 294 | 171 | 154 | 160 | 160 | 116 | 259 | --- | 157 | 158 | 243 | 265 |
| 20 | 323 | 154 | 161 | 168 | 159 | 122 | 245 | --- | 154 | 146 | 243 | 270 |
| 21 | 340 | 158 | 148 | 175 | 159 | 103 | 234 | --- | 165 | 120 | 244 | 273 |
| 22 | 346 | 163 | 152 | 186 | 158 | 96 | 226 | --- | 159 | 110 | 248 | 276 |
| 23 | 342 | 166 | 156 | 197 | 156 | 104 | 209 | --- | 138 | 119 | 233 | 267 |
| 24 | 338 | 176 | 159 | 203 | 158 | 104 | 196 | --- | 109 | 131 | 237 | 248 |
| 25 | 326 | 178 | 161 | 203 | 157 | 106 | 208 | --- | 94 | 145 | 253 | 223 |
| 26 | 319 | 176 | 163 | 204 | 154 | 114 | 199 | --- | 87 | 156 | 231 | 247 |
| 27 | 319 | 175 | 165 | 205 | 153 | 140 | 180 | --- | 87 | 142 | 218 | 256 |
| 28 | 310 | 175 | 166 | 203 | 151 | 177 | 163 | --- | 123 | 134 | 215 | 255 |
| 29 | 281 | 166 | 172 | 205 | --- | 220 | 152 | --- | 173 | 127 | 221 | 253 |
| 30 | 255 | 170 | 179 | 200 | --- | 229 | 130 | --- | 193 | 104 | 243 | 250 |
| 31 | 239 | --- | 181 | 203 | --- | 232 | --- | --- | --- | 105 | 263 | --- |
| TOTAL | 9,212 | 5,441 | 4,995 | 5,419 | 5,161 | 4,551 | 6,648 | --- | --- | 4,594 | 5,866 | 7,922 |
| MEAN | 297 | 181 | 161 | 175 | 184 | 147 | 222 | --- | --- | 148 | 189 | 264 |
| MAX | 346 | 227 | 181 | 205 | 260 | 232 | 266 | --- | --- | 193 | 263 | 300 |
| MIN | 233 | 154 | 145 | 140 | 151 | 96 | 130 | --- | --- | 104 | 105 | 223 |
| AC-FT | 18,270 | 10,790 | 9,910 | 10,750 | 10,240 | 9,030 | 13,190 | --- | --- | 9,110 | 11,640 | 15,710 |

e Estimated

12472600 CRAB CREEK NEAR BEVERLY, WA

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959-72, 1975-76, 1978, 1980, July 2002 to October 2004 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 1959 to September 1962, July 1968 to August 1970, October 1995 to September 1996. Published as 12472500 "near Smyrna", 1959-62.

INSTRUMENTATION.--Temperature recorder from November 1994 to September 1996.

REMARKS.--Unpublished temperature data for portions of the 1994 and 1997 water year are available in the Spokane, WA, Field Office. Unpublished water-quality data for 1981 and 1993-96 are available at the USGS Washington Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum 31.0°C, July 27-28, 1968; minimum 0.0°C, Nov. 15-16, Dec. 31, 1959, several days in January, February and December 1960, several days in January and December 1961, several days in January 1962, several days in December 1968, several days in January and February 1969, several days in Jananuary and February 1995, and several days in January and February 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| Date | Station number | Time | Instantaneous discharge, cfs (00061) | pH, water, unfltrd field, std units (00400) | Specif. conductance, wat unf uS/cm 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Hardness, water, mg/L as CaCO3 (00900) | Calcium water, fltrd, mg/L (00915) | Magnesium, water, fltrd, mg/L (00925) | Potassium, water, fltrd, mg/L (00935) | |
|-----------|----------------|------|--------------------------------------|---|--|---------------------------------|-----------------------------------|--|------------------------------------|---------------------------------------|---------------------------------------|------|
| OCT 05... | 12472600 | 1310 | 315 | 10.6 | 8.3 | 543 | 24.8 | 15.0 | 190 | 39.6 | 22.0 | 7.24 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Sodium adsorption ratio (00931) | Sodium, water, fltrd, mg/L (00930) | Sodium, percent (00932) | Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086) | Bicarbonate, wat flt incrm. titr., field, mg/L (00453) | Carbonate, wat flt incrm. titr., field, mg/L (00452) | Chloride, wat flt incrm. titr., field, mg/L (00940) | Fluoride, wat flt incrm. titr., field, mg/L (00950) | Silica, wat flt incrm. titr., field, mg/L (00955) | Sulfate, wat flt incrm. titr., field, mg/L (00945) | Residue water, fltrd, sum of constituents mg/L (70301) | Residue water, fltrd, tons/acre-ft (70303) | Residue water, fltrd, tons/d (70302) |
|-----------|---------------------------------|------------------------------------|-------------------------|--|--|--|---|---|---|--|--|--|--------------------------------------|
| OCT 05... | 1 | 45.4 | 33 | 212 | 256 | .0 | 13.8 | .5 | 26.2 | 50.6 | 338 | .47 | 295 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Residue on evap. at 180degC 180degC wat flt mg/L as N (70300) | Ammonia + org-N, water, unfltrd mg/L as N (00625) | Ammonia water, fltrd, mg/L as N (00608) | Nitrite + nitrate water, fltrd, mg/L as N (00631) | Orthophosphate, water, fltrd, mg/L as P (00671) | Phosphorus, water, unfltrd mg/L (00665) | Total nitrogen, water, unfltrd mg/L (00600) | Iron, water, unfltrd ug/L (01046) | Manganese, water, fltrd, ug/L (01056) | 2,4,5-T surrog, water, fltrd, percent recovery (99958) | 2,4-D methyl ester, water, fltrd, ug/L (50470) | 2,4-D water, fltrd, ug/L (39732) | 2,4-DB water, fltrd, 0.7u GF ug/L (38746) |
|-----------|---|---|---|---|---|---|---|-----------------------------------|---------------------------------------|--|--|----------------------------------|---|
| OCT 05... | 346 | .35 | .020 | 1.54 | .016 | .044 | 1.9 | 9 | 3.2 | 84.5 | <.016 | E.02 | <.02 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | 2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660) | CIAT, water, fltrd, ug/L (04040) | CEAT, water, fltrd, ug/L (04038) | OIET, water, fltrd, ug/L (50355) | Hydroxy carb furan, wat flt 0.7u GF ug/L (49308) | 3-Keto carb furan, wat fltrd, ug/L (50295) | Acetochlor, water, fltrd, ug/L (49260) | Acf-fluorfen, water, fltrd, ug/L (49315) | Alachlor, water, fltrd, ug/L (46342) | Aldisulfone, water, fltrd, ug/L (49313) | Aldicarb, sulfone, water, fltrd, ug/L (49314) | Aldicarb, sulfide, water, fltrd, ug/L (49312) | alpha-HCH, water, fltrd, ug/L (34253) |
|-----------|--|----------------------------------|----------------------------------|----------------------------------|--|--|--|--|--------------------------------------|---|---|---|---------------------------------------|
| OCT 05... | <.006 | E.010 | <.08 | <.032 | <.008 | <.02 | <.006 | <.028 | <.005 | <.02 | <.022 | <.04 | <.005 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | alpha-HCH-d6, surrog, wat flt 0.7u GF ug/L as percent recovery (91065) | Azinphos-methyl, water, fltrd, 0.7u GF ug/L (39632) | Barban, surrog, Sched. 2060/9060, water, fltrd, ug/L (82686) | Benfluralin, water, fltrd, ug/L (50299) | Benomyl, water, fltrd, ug/L (82673) | Bensulfuron, water, fltrd, ug/L (50300) | Benzaton, water, fltrd, ug/L (61693) | Bentazon, water, fltrd, ug/L (38711) | Bromacil, water, fltrd, ug/L (04029) | Bromoxynil, water, fltrd, ug/L (49311) | Butylate, water, fltrd, ug/L (04028) | Caffeine, water, fltrd, ug/L (50305) | |
|-----------|--|---|--|---|-------------------------------------|---|--------------------------------------|--------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|-------|
| OCT 05... | 84.3 | .018 | <.050 | 80.9 | <.02 | <.010 | <.022 | <.02 | E.04 | <.02 | <.03 | <.004 | <.018 |

CRAB CREEK BASIN

12472600 CRAB CREEK NEAR BEVERLY, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Caffeine-13C, surrog, wat fltrd percent recovery (99959) | Carbaryl, water, fltrd 0.7u GF ug/L (49310) | Carbaryl, water, fltrd 0.7u GF ug/L (82680) | Carbo-furan, water, fltrd 0.7u GF ug/L (49309) | Carbo-furan, water, fltrd 0.7u GF ug/L (82674) | Chloramben methyl ester, water, fltrd, ug/L (61188) | Chlorimuron, water, fltrd, ug/L (50306) | Chloro-diamino-s-triazine, water, fltrd, ug/L (04039) | Chlorothalonil, water, fltrd, ug/L (49306) | Chlorpyrifos water, fltrd, ug/L (38933) | cis-Permethrin water, fltrd, ug/L (82687) | Clopyralid, water, fltrd, ug/L (49305) | Cyanazine, water, fltrd, ug/L (04041) |
|-----------|--|---|---|--|--|---|---|---|--|---|---|--|---------------------------------------|
| OCT 05... | 80.7 | <.02 | <.041 | <.016 | <.020 | <.02 | <.032 | E.01 | <.04 | <.005 | <.006 | <.02 | <.018 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Cycloate, water, fltrd, ug/L (04031) | Dacthal mono-acid, water, fltrd, 0.7u GF ug/L (49304) | Desulfuryl DCPA, water, fltrd, 0.7u GF ug/L (82682) | Diazenon-d10 Diazinon, water, fltrd, ug/L (62170) | Dicamba Diazinon-d10 surrog, wat fltrd, 0.7u GF percent recovery (39572) | Dichlorprop, water, fltrd, 0.7u GF ug/L (38442) | Dieldrin, water, fltrd, 0.7u GF ug/L (49302) | Dinoseb, water, fltrd, 0.7u GF ug/L (39381) | Diphenamid, water, fltrd, 0.7u GF ug/L (49301) | Disulfoton, water, fltrd, 0.7u GF ug/L (82677) | Diuron, water, fltrd, 0.7u GF ug/L (49300) | | |
|-----------|--------------------------------------|---|---|---|--|---|--|---|--|--|--|------|------|
| OCT 05... | <.01 | <.03 | <.003 | <.012 | <.005 | 100 | <.04 | <.03 | <.009 | <.04 | <.01 | <.02 | <.01 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | EPTC, water, fltrd 0.7u GF ug/L (82668) | Ethalfluralin, water, fltrd 0.7u GF ug/L (82663) | Ethoprop, water, fltrd 0.7u GF ug/L (82672) | Desulfuryl Fenuron water, fltrd, 0.7u GF ug/L (49297) | Fipro-nil fipronil amide, wat flt ug/L (62169) | Fipro-nil sulfide water, fltrd, ug/L (62167) | Fipro-nil sulfone water, fltrd, ug/L (62168) | Fipro-nil water, fltrd, ug/L (62166) | Flumetsulam, water, fltrd, ug/L (61694) | Fluometuron water, fltrd, ug/L (38811) | Fonofos water, fltrd, ug/L (04095) | Imazquin, water, fltrd, ug/L (50356) | Imazethapyr, water, fltrd, ug/L (50407) |
|-----------|---|--|---|---|--|--|--|--------------------------------------|---|--|------------------------------------|--------------------------------------|---|
| OCT 05... | <.004 | <.009 | <.005 | <.02 | <.029 | <.013 | <.024 | <.016 | <.04 | <.02 | <.003 | <.04 | <.04 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Imidacloprid water, fltrd, ug/L (61695) | Lindane water, fltrd, ug/L (39341) | Linuron water, fltrd, 0.7u GF ug/L (38478) | Linuron water, fltrd, 0.7u GF ug/L (82666) | Mala-thion, water, fltrd, ug/L (39532) | MCPA, water, fltrd, 0.7u GF ug/L (38482) | MCPB, water, fltrd, 0.7u GF ug/L (38487) | Metalexyl, water, fltrd, ug/L (50359) | Methio-carb, water, fltrd, ug/L (38501) | Meth-oxy, water, fltrd, ug/L (49296) | Methyl para-thion, water, fltrd, ug/L (82667) | Metola-chlor, water, fltrd, ug/L (39415) | Metribuzin, water, fltrd, ug/L (82630) |
|-----------|---|------------------------------------|--|--|--|--|--|---------------------------------------|---|--------------------------------------|---|--|--|
| OCT 05... | <.020 | <.004 | <.01 | <.035 | <.027 | <.03 | <.01 | <.01 | <.010 | <.020 | <.015 | <.006 | <.006 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Metsulfuron, water, fltrd, ug/L (61697) | Molinate, water, fltrd, 0.7u GF ug/L (82671) | N-(4-Chlorophenyl)-N'-methylurea, water, fltrd, 0.7u GF ug/L (61692) | Napropamide, water, fltrd, 0.7u GF ug/L (82684) | Neburon water, fltrd, 0.7u GF ug/L (49294) | Nicosulfuron, water, fltrd, 0.7u GF ug/L (50364) | Norflurazon, water, fltrd, 0.7u GF ug/L (49293) | Oryzalin, water, fltrd, 0.7u GF ug/L (49292) | Oxamyl, water, fltrd, 0.7u GF ug/L (38866) | p,p'-DDE, water, fltrd, 0.7u GF ug/L (34653) | Parathion, water, fltrd, 0.7u GF ug/L (39542) | Pebulate, water, fltrd, 0.7u GF ug/L (82669) | Pendimethalin, water, fltrd, 0.7u GF ug/L (82683) |
|-----------|---|--|--|---|--|--|---|--|--|--|---|--|---|
| OCT 05... | <.03 | <.003 | <.04 | <.007 | <.01 | <.04 | <.02 | <.01 | <.03 | <.003 | <.010 | <.004 | <.022 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Phorate water fltrd, 0.7u GF ug/L (82664) | Picloram, water, fltrd, 0.7u GF ug/L (49291) | Prometon, water, fltrd, 0.7u GF ug/L (04037) | Propyzamide, water, fltrd, 0.7u GF ug/L (82676) | Propachlor, water, fltrd, 0.7u GF ug/L (04024) | Propanil, water, fltrd, 0.7u GF ug/L (82679) | Propar-gite, water, fltrd, 0.7u GF ug/L (82685) | Propham water, fltrd, 0.7u GF ug/L (49236) | Propiconazole, water, fltrd, 0.7u GF ug/L (50471) | Propoxur, water, fltrd, 0.7u GF ug/L (38538) | Siduron water, fltrd, 0.7u GF ug/L (38548) | Simazine, water, fltrd, 0.7u GF ug/L (04035) | Sulfor-muron, water, fltrd, 0.7u GF ug/L (50337) |
|-----------|---|--|--|---|--|--|---|--|---|--|--|--|--|
| OCT 05... | <.011 | <.03 | <.01 | <.004 | <.025 | <.011 | <.02 | <.030 | <.01 | <.008 | <.02 | <.010 | <.038 |

12472600 CRAB CREEK NEAR BEVERLY, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Tebu-thiuron water fltrd 0.7u GF ug/L (82670) | Terba-cil, water, fltrd 0.7u GF ug/L (82665) | Terba-cil, water, fltrd, ug/L (04032) | Terbu-fos, water, fltrd 0.7u GF ug/L (82675) | Thio-bencarb water fltrd 0.7u GF ug/L (82681) | Tri-allate, water, fltrd 0.7u GF ug/L (82678) | Tri-clopyr, water, fltrd 0.7u GF ug/L (49235) | Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661) |
|--------------|--|---|---|---|--|--|--|---|
| OCT 05... | <.02 | <.034 | <.016 | <.02 | <.010 | <.006 | <.03 | <.009 |

12472800 COLUMBIA RIVER BELOW PRIEST RAPIDS DAM, WA

LOCATION.--Lat 46°37'44", long 119°51'49", in SE^{1/4}NW^{1/4} sec.7, T.13 N., R.24 E., Grant County, Hydrologic Unit 17020016, on left bank 2.6 mi downstream from Priest Rapids Dam, 14.7 mi south of Beverly, and at mile 394.5.

DRAINAGE AREA.--96,000 mi², approximately.

PERIOD OF RECORD.--January 1917 to current year. January 1917 to September 1930, at site 3.4 mi downstream, published as "at Vernita." October 1930 to July 27, 1959, at site 46.5 mi upstream, published as "at Trinidad."

REVISED RECORDS.--WSP 1933: Drainage area. WDR WA-82-2: 1965(m), 1971(m).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Oct. 1, 1930, nonrecording gages at site 3.4 mi downstream at datum 388.7 ft above sea level. Oct. 1, 1930, to July 27, 1959, water-stage recorder at site 46.5 mi upstream at datum 499.3 ft above NGVD of 1929 (river-profile survey).

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of about 600,000 acres upstream from station. Flow regulated by 10 major reservoirs and numerous smaller reservoirs and powerplants. U.S. Geological Survey satellite telemeter at station. Water temperatures March 1980 to April 1993. Temperature records for site "at Vernita Bridge, near Priest Rapids Dam" (station 12472900) for period July 1974 to September 1980 are equivalent.

AVERAGE DISCHARGE.--88 years (water years 1918-2005), 118,800 ft³/s, 86,060,000 acre-ft/yr, unadjusted. 46 years (water years 1960-2005), 118,500 ft³/s, 85,830,000 acre-ft/yr, regulated period.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 692,600 ft³/s, June 12, 1948, gage height, 59.35 ft, site and datum then in use; minimum discharge, 4,120 ft³/s, Feb. 10, 1932, due to construction at Rock Island Dam, site and datum then in use; minimum daily discharge prior to construction of Rock Island Dam (1932), 22,000 ft³/s, Feb. 1-7, 1930, site and datum then in use; minimum daily discharge after completion of Rock Island Dam (1932), 20,000 ft³/s, Jan. 31 to Feb. 10, 1937, site and datum then in use; minimum discharge since completion of Priest Rapids Dam (1959), 16,300 ft³/s, Nov. 7, 1998, due to emergency flow reduction from Priest Rapids Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 7, 1894, reached a discharge of about 740,000 ft³/s, based on a rating extension for a Weather Bureau gage at Wenatchee.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 224,000 ft³/s, May 27, July 22, gage height, 413.03 ft; minimum discharge, 37,800 ft³/s, Oct. 10, gage height, 396.63 ft; minimum daily discharge, 42,700 ft³/s, Sept. 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | 89,400 | 83,800 | 126,000 | 90,900 | 109,000 | 99,100 | 103,000 | 105,000 | 149,000 | 161,000 | 133,000 | 104,000 |
| 2 | 83,800 | 90,800 | 112,000 | 89,300 | 98,500 | 113,000 | 77,800 | 109,000 | 118,000 | 134,000 | 75,700 | 73,900 |
| 3 | 63,400 | 85,800 | 121,000 | 122,000 | 120,000 | 134,000 | 74,900 | 124,000 | 119,000 | 129,000 | 95,500 | 42,700 |
| 4 | 84,200 | 97,600 | 121,000 | 135,000 | 129,000 | 116,000 | 97,600 | 133,000 | 114,000 | 116,000 | 126,000 | 48,700 |
| 5 | 81,900 | 99,600 | 105,000 | 138,000 | 112,000 | 99,100 | 129,000 | 122,000 | 109,000 | 112,000 | 124,000 | 53,300 |
| 6 | 97,700 | 99,300 | 109,000 | 139,000 | 101,000 | 83,100 | 102,000 | 118,000 | 98,400 | 91,200 | 101,000 | 76,100 |
| 7 | 117,000 | 69,200 | 143,000 | 135,000 | 120,000 | 80,200 | 72,200 | 115,000 | 104,000 | 150,000 | 120,000 | 87,800 |
| 8 | 90,800 | 83,400 | 118,000 | 114,000 | 122,000 | 88,400 | 69,300 | 111,000 | 134,000 | 173,000 | 113,000 | 93,100 |
| 9 | 73,900 | 93,700 | 106,000 | 108,000 | 152,000 | 120,000 | 68,400 | 136,000 | 146,000 | 119,000 | 113,000 | 64,200 |
| 10 | 61,200 | 82,300 | 91,800 | 121,000 | 119,000 | 104,000 | 67,800 | 149,000 | 137,000 | 129,000 | 124,000 | 58,200 |
| 11 | 74,200 | 92,000 | 80,800 | 119,000 | 127,000 | 93,200 | 69,100 | 147,000 | 116,000 | 140,000 | 115,000 | 47,100 |
| 12 | 80,600 | 99,900 | 99,600 | 125,000 | 115,000 | 96,200 | 67,600 | 135,000 | 112,000 | 156,000 | 98,100 | 59,900 |
| 13 | 74,800 | 107,000 | 114,000 | 133,000 | 88,500 | 79,100 | 92,600 | 146,000 | 125,000 | 151,000 | 98,400 | 64,300 |
| 14 | 95,300 | 102,000 | 103,000 | 123,000 | 119,000 | 80,200 | 94,000 | 144,000 | 106,000 | 157,000 | 72,100 | 65,200 |
| 15 | 86,500 | 91,100 | 111,000 | 107,000 | 130,000 | 98,900 | 85,000 | 125,000 | 130,000 | 159,000 | 100,000 | 69,600 |
| 16 | 58,000 | 99,700 | 156,000 | 133,000 | 130,000 | 120,000 | 67,700 | 128,000 | 147,000 | 152,000 | 123,000 | 75,400 |
| 17 | 66,700 | 93,700 | 149,000 | 107,000 | 146,000 | 121,000 | 67,300 | 121,000 | 146,000 | 127,000 | 122,000 | 76,500 |
| 18 | 78,100 | 88,900 | 140,000 | 99,900 | 122,000 | 99,600 | 69,000 | 131,000 | 110,000 | 144,000 | 123,000 | 44,500 |
| 19 | 94,600 | 102,000 | 117,000 | 99,300 | 100,000 | 89,000 | 70,000 | 137,000 | 68,900 | 132,000 | 114,000 | 64,000 |
| 20 | 106,000 | 120,000 | 131,000 | 93,000 | 71,500 | 103,000 | 82,400 | 129,000 | 141,000 | 140,000 | 111,000 | 82,800 |
| 21 | 113,000 | 91,400 | 143,000 | 93,600 | 87,300 | 98,200 | 109,000 | 119,000 | 160,000 | 142,000 | 90,200 | 84,600 |
| 22 | 99,100 | 106,000 | 148,000 | 86,000 | 106,000 | 106,000 | 101,000 | 120,000 | 165,000 | 122,000 | 110,000 | 82,000 |
| 23 | 83,300 | 102,000 | 142,000 | 79,300 | 102,000 | 112,000 | 83,200 | 112,000 | 161,000 | 115,000 | 113,000 | 79,600 |
| 24 | 62,500 | 93,200 | 116,000 | 84,900 | 100,000 | 113,000 | 78,300 | 113,000 | 164,000 | 104,000 | 105,000 | 52,000 |
| 25 | 85,300 | 74,000 | 116,000 | 113,000 | 97,300 | 101,000 | 96,700 | 137,000 | 151,000 | 148,000 | 91,800 | 55,300 |
| 26 | 104,000 | 71,700 | 88,000 | 116,000 | 88,500 | 78,600 | 117,000 | 156,000 | 149,000 | 114,000 | 108,000 | 78,800 |
| 27 | 97,600 | 68,200 | 102,000 | 98,100 | 79,900 | 70,400 | 123,000 | 183,000 | 143,000 | 153,000 | 118,000 | 65,300 |
| 28 | 87,200 | 82,700 | 119,000 | 110,000 | 82,300 | 69,800 | 117,000 | 131,000 | 132,000 | 136,000 | 84,800 | 79,100 |
| 29 | 77,500 | 124,000 | 129,000 | 95,600 | --- | 70,000 | 96,900 | 95,700 | 164,000 | 160,000 | 106,000 | 80,900 |
| 30 | 78,100 | 123,000 | 121,000 | 87,700 | --- | 81,100 | 108,000 | 96,200 | 161,000 | 133,000 | 91,700 | 88,600 |
| 31 | 81,500 | --- | 109,000 | 94,900 | --- | 109,000 | --- | 139,000 | --- | 143,000 | 98,000 | --- |
| TOTAL | 2,627,200 | 2,818,000 | 3,687,200 | 3,390,500 | 3,074,800 | 3,026,200 | 2,656,800 | 3,966,900 | 3,980,300 | 4,242,200 | 3,318,300 | 2,097,500 |
| MEAN | 84,750 | 93,930 | 118,900 | 109,400 | 109,800 | 97,620 | 88,560 | 128,000 | 132,700 | 136,800 | 107,000 | 69,920 |
| MAX | 117,000 | 124,000 | 156,000 | 139,000 | 152,000 | 134,000 | 129,000 | 183,000 | 165,000 | 173,000 | 133,000 | 104,000 |
| MIN | 58,000 | 68,200 | 80,800 | 79,300 | 71,500 | 69,800 | 67,300 | 95,700 | 68,900 | 91,200 | 72,100 | 42,700 |
| AC-FT | 5,211,000 | 5,590,000 | 7,314,000 | 6,725,000 | 6,099,000 | 6,002,000 | 5,270,000 | 7,868,000 | 7,895,000 | 8,414,000 | 6,582,000 | 4,160,000 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2005, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| MEAN | 72,410 | 74,010 | 78,500 | 80,890 | 81,850 | 82,560 | 104,100 | 190,100 | 262,500 | 195,100 | 119,700 | 81,960 |
| MAX | 119,800 | 121,200 | 163,800 | 168,400 | 195,000 | 201,800 | 196,500 | 348,500 | 590,700 | 385,400 | 192,000 | 131,700 |
| (WY) | (1928) | (1991) | (1996) | (1996) | (1996) | (1983) | (1934) | (1934) | (1948) | (1950) | (1920) | (1927) |
| MIN | 45,950 | 32,290 | 26,840 | 21,710 | 20,900 | 26,500 | 37,160 | 61,840 | 78,810 | 56,650 | 66,740 | 60,050 |
| (WY) | (1932) | (1937) | (1937) | (1937) | (1937) | (1937) | (1944) | (2001) | (1977) | (2001) | (1985) | (1994) |

12472800 COLUMBIA RIVER BELOW PRIEST RAPIDS DAM, WA—Continued

| SUMMARY STATISTICS | FOR 2004 CALENDAR YEAR | FOR 2005 WATER YEAR | WATER YEARS 1918 - 2005 |
|--------------------------|------------------------|---------------------|-------------------------|
| ANNUAL TOTAL | 36,585,000 | 38,885,900 | |
| ANNUAL MEAN | 99,960 | 106,500 | |
| HIGHEST ANNUAL MEAN | | | 118,800 |
| LOWEST ANNUAL MEAN | | | 165,600 |
| HIGHEST DAILY MEAN | 171,000 | Jun 29 | 78,070 |
| LOWEST DAILY MEAN | 48,800 | Aug 7 | 1944 |
| ANNUAL SEVEN-DAY MINIMUM | 62,600 | Sep 14 | 1997 |
| ANNUAL RUNOFF (AC-FT) | 72,570,000 | 77,130,000 | 690,000 |
| 10 PERCENT EXCEEDS | 136,000 | 143,000 | 20,000 |
| 50 PERCENT EXCEEDS | 97,000 | 106,000 | 20,100 |
| 90 PERCENT EXCEEDS | 71,300 | 71,600 | Jan 30, 1937 |
| | | | Jun 12, 1948 |
| | | | Jan 31, 1937 |
| | | | 94,100 |
| | | | 47,000 |

COLUMBIA RIVER MAIN STEM

12472900 COLUMBIA RIVER AT VERNITA BRIDGE, NEAR PRIEST RAPIDS DAM, WA

WATER-QUALITY RECORDS

LOCATION.--Lat 46°38'34", long 119°43'54", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.13 N., R.25 E., Grant County, Hydrologic Unit 17020016, at State Highway 24 Vernita Bridge crossing, 9.0 mi downstream from Priest Rapids Dam, and at mile 388.1.

DRAINAGE AREA.--96,000 mi², approximately.

PERIOD OF RECORD.--Water years 1962-63, 1972, 1974 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July 1974 to September 1980.

REMARKS.--October 1971 to September 1972, at site 6.4 mi upstream, published as 12472800 "below Priest Rapids Dam." Prior to October 1971 published as 12472800 "at Vernita Ferry." Discharge determined by routing flows from the gaging station below Priest Rapids Dam (station 12472800) 6.4 mi upstream. National Stream Quality Accounting Network (NASQAN) 1975-2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| Date | Time | Instantaneous discharge, cfs (00061) | Turbidity white light, det ang 90+/-30 corrtd NTRU (63676) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | Dissolved oxygen, percent of saturation (00301) | pH, water, unfltrd field, std units (00400) | Specific conductance, wat unf uS/cm 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Hardness, water, mg/L as CaCO ₃ (00900) | Noncarbonate hardness, water flt field, mg/L as CaCO ₃ (00904) | Calcium water, fltrd, mg/L (00915) |
|-----------|------|---|--|---------------------------------------|-----------------------------------|--|---|--|---------------------------------------|---|---|--|---|
| NOV 17... | 1120 | 54,200 | <2.0 | 764 | 9.9 | 93 | 8.1 | 128 | 4.2 | 12.4 | 63 | 6 | 17.9 |
| MAR 07... | 1020 | 72,100 | <2.0 | 757 | 13.2 | 102 | 7.9 | 138 | 11.0 | 4.4 | 69 | 10 | 20.0 |
| JUN 13... | 1000 | 119,000 | <2.0 | 753 | 12.5 | 123 | 8.0 | 126 | 16.1 | 14.0 | 57 | 6 | 16.3 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Magnesium, water, fltrd, mg/L as CaCO ₃ (00925) | Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086) | Bicarbonate, wat flt incrm. titr., field, mg/L (00453) | Carbonate, wat flt incrm. titr., field, mg/L (00452) | Chloride, water, fltrd, mg/L (00940) | Fluoride, water, fltrd, mg/L (00950) | Sulfate water, fltrd, mg/L (00945) | Residue evap. at 180degC wat flt mg/L (70300) | Residue total at 105 deg. C, suspended, mg/L (00530) | Ammonia + org-N, water, unfltrd mg/L as N (00625) | Ammonia water, fltrd, mg/L as N (00608) | Nitrite + nitrate water, fltrd, mg/L as N (00631) | Nitrite water, fltrd, mg/L as N (00613) |
|-----------|---|---|--|--|--------------------------------------|--------------------------------------|------------------------------------|--|--|---|---|---|---|
| NOV 17... | 4.33 | 56 | 68 | .0 | .93 | E.1 | 8.5 | 78 | <10 | .11 | <.04 | .10 | <.008 |
| MAR 07... | 4.63 | 59 | 72 | .0 | 1.11 | E.1 | 10.3 | 83 | <10 | E.08 | <.04 | .15 | <.008 |
| JUN 13... | 3.92 | 51 | 61 | .0 | .93 | E.1 | 7.8 | 85 | <10 | .10 | <.04 | .07 | <.008 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Orthophosphate, water, fltrd, mg/L as P (00671) | Phosphorus, water, unfltrd mg/L (00665) | Total nitrogen, water, unfltrd mg/L (00600) | Organic carbon, water, fltrd, mg/L (00681) | Chromium, water, fltrd, ug/L (01030) | Iron, water, fltrd, ug/L (01046) | Suspended sediment concentration, mg/L (80154) | Suspended sediment discharge, tons/d (80155) |
|-----------|---|---|---|--|--------------------------------------|----------------------------------|--|--|
| NOV 17... | <.02 | <.04 | .21 | 1.0 | 5.3 | E3 | 1 | 146 |
| MAR 07... | <.02 | <.04 | -- | 1.1 | <.8 | 15 | 2 | 389 |
| JUN 13... | <.02 | <.04 | .17 | 1.7 | <.8 | 7 | 2 | 643 |

12473520 COLUMBIA RIVER AT RICHLAND, WA

WATER-QUALITY RECORDS

LOCATION.--Lat 46°18'46", long 119°15'28", in NW $\frac{1}{4}$ NW $\frac{1}{4}$, sec.36, T.10 N., R.28 E., Benton County, Hydrologic Unit 17020016, at city of Richland pumping plant, 4.8 mi upstream from Yakima River, and at mile 340.2.

DRAINAGE AREA.--96,900 mi², approximately.

PERIOD OF RECORD.--October 1978 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July 1974 to March 1993.

REMARKS.--Water temperatures as recorded for the period July 1974 to January 1977 did not represent mean stream temperatures (see previous state reports for correlation between thermal load measurements and recorded temperatures). Temperature probe, relocated January 1977, represents both horizontal and vertical cross section of the river. Unpublished records of stage at site 2.3 mi downstream are available in files of the U.S. Geological Survey and U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 22.0°C, July 21, Aug. 4, 5, 1985; minimum, 0.0°C, Feb. 3, 6-9, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| Date | Time | Turbidity white light, det ang 90+/-30 corrctd NTRU (63676) | Baro- metric pres- sure, mm Hg (00025) | Dis- solved oxygen, mg/L (00300) | Dis- solved oxygen, percent of sat- uration (00301) | pH, water, unfltrd field, std (00400) | Specif. conduc- tance, wat unf uS/cm (00095) | Temper- ature, air, deg C (00020) | Temper- ature, water, deg C (00010) | Hard- ness, water, mg/L as CaCO ₃ (00900) | Noncarb hard- ness, wat flt field, mg/L as CaCO ₃ (00904) | Calcium water, fltrd, mg/L (00915) | Magnes- ium, water, fltrd, mg/L (00925) |
|--------------|------|--|---|--|---|--|---|---|---|---|---|--|--|
| NOV 18... | 1020 | <2.0 | 760 | 10.0 | 92 | 8.0 | 128 | 9.2 | 11.8 | 63 | 7 | 18.3 | 4.32 |
| MAR 08... | 1010 | <2.0 | 761 | 13.6 | 105 | 7.7 | 137 | 15.6 | 4.7 | 69 | 10 | 19.9 | 4.73 |
| JUN 14... | 0840 | <2.0 | 751 | 11.0 | 109 | 7.7 | 126 | 16.7 | 14.2 | 57 | 7 | 16.4 | 4.00 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Alka- linity, wat flt inc tit field, mg/L as CaCO ₃ (39086) | Bicar- bonate, wat flt incrm. titr., field, mg/L (00453) | Carbo- nate, wat flt incrm. titr., field, mg/L (00452) | Chlor- ide, water, fltrd, mg/L (00940) | Fluor- ide, water, fltrd, mg/L (00950) | Sulfate water, fltrd, mg/L (00945) | Residue on evap. at 180degC wat flt mg/L (70300) | Residue at 105 deg. C, sus- pended, mg/L (00530) | Ammonia + org-N, water, unfltrd mg/L as N (00625) | Ammonia water, fltrd, mg/L as N (00608) | Nitrite + nitrate water, fltrd, mg/L as N (00631) | Nitrite water, fltrd, mg/L as P (00613) | Ortho- phosphate, water, fltrd, mg/L as P (00671) |
|--------------|---|---|---|---|---|--|---|--|--|--|--|--|---|
| NOV 18... | 56 | 69 | .0 | .98 | E.1 | 9.2 | 77 | <10 | E.09 | <.04 | .12 | <.008 | <.02 |
| MAR 08... | 59 | 72 | .0 | 1.07 | E.1 | 10.2 | 81 | <10 | E.08 | <.04 | .11 | <.008 | <.02 |
| JUN 14... | 50 | 61 | .0 | .93 | E.1 | 7.6 | 82 | <10 | .12 | <.04 | .07 | <.008 | <.02 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Total Phos- phorus, water, unfltrd mg/L (00665) | Total nitro- gen, water, unfltrd mg/L (00600) | Organic carbon, water, fltrd, mg/L (00681) | Chrom- ium, water, fltrd, ug/L (01030) | Iron, water, fltrd, ug/L (01046) | Sus- pended sediment concen- tration mg/L (80154) |
|--------------|---|---|---|---|--|---|
| NOV 18... | E.02 | -- | 1.1 | <.8 | <6 | 2 |
| MAR 08... | <.04 | -- | 1.1 | <.8 | E3 | 2 |
| JUN 14... | <.04 | .19 | 1.7 | 1.1 | E5 | 4 |