

Figure 32. Location of surface-water stations in the Lake Washington Basin.

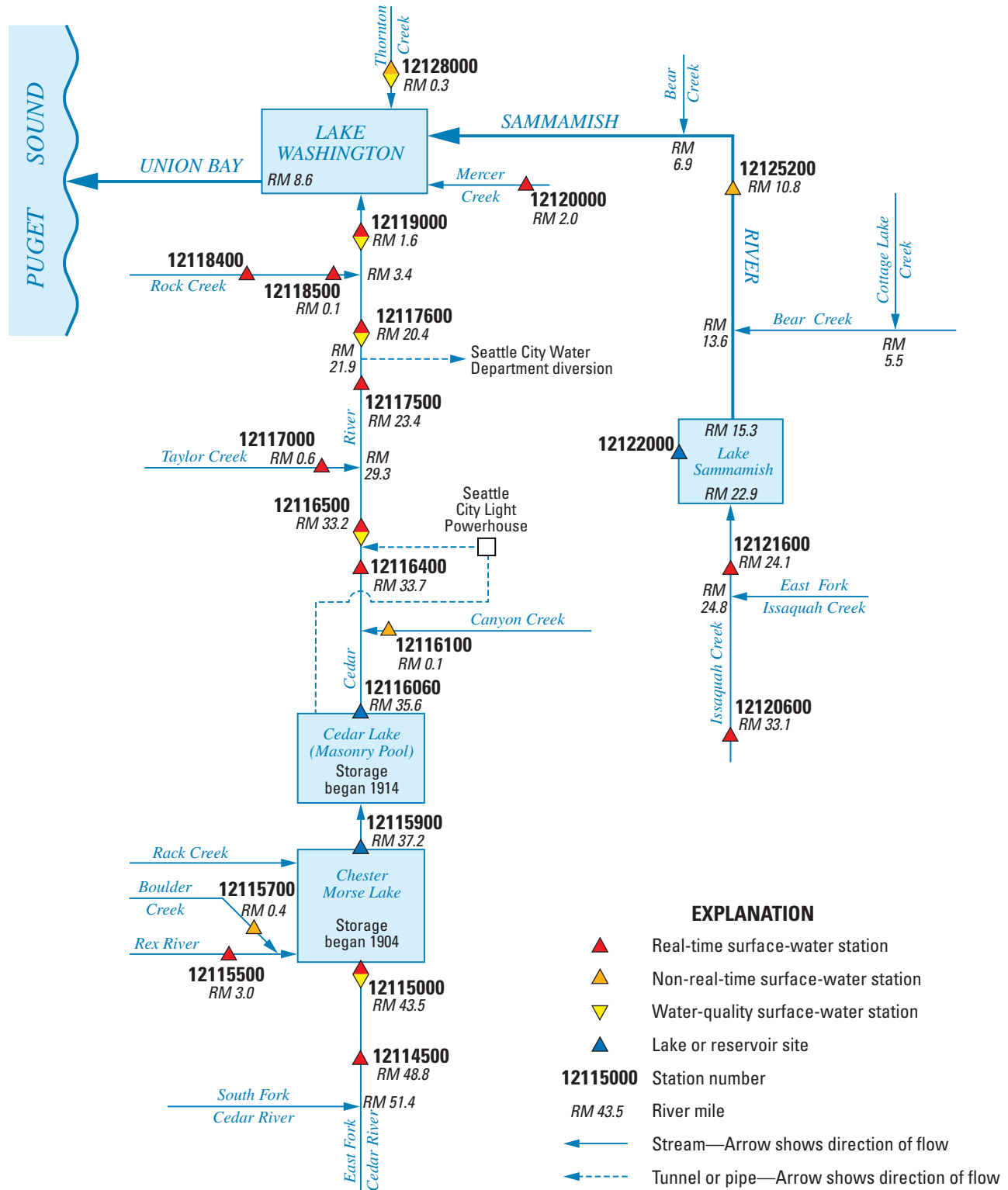


Figure 33. Schematic diagram showing surface-water stations in the Lake Washington Basin.

## 12114500 CEDAR RIVER BELOW BEAR CREEK, NEAR CEDAR FALLS, WA

LOCATION.--Lat 47°20'32", long 121°32'52", in SE¼SE¼ sec.32, T.22 N., R.10 E., King County, Hydrologic Unit 17110012, on right bank 500 ft downstream from Bear Creek, and 12.2 mi southeast of town of Cedar Falls.

DRAINAGE AREA.--25.4 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1945 to December 1963, October 1975 to current year.

REVISED RECORDS.--WSP 1716: 1956-57(M), 1959(M).

GAGE.--Water-stage recorder. Elevation of gage is 1,880 ft above NGVD of 1929, from topographic map. Prior to Sept. 16, 1960, at site 90 ft upstream at datum 2.35 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--48 years (water years 1946-63, 1976-2005), 162 ft<sup>3</sup>/s, 86.63 in/yr, 117,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,620 ft<sup>3</sup>/s, Nov. 22, 1959, gage height, 6.98 ft, site and datum then in use, from rating curve extended above 890 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow; minimum discharge, 12 ft<sup>3</sup>/s, Nov. 27, 1952.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) | Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) |
|--------|------|--------------------------------|------------------|--------|------|--------------------------------|------------------|
| Nov 25 | 0600 | 820                            | 3.97             | Jan 18 | 1200 | *2,060                         | *5.34            |
| Dec 11 | 0400 | 1,370                          | 4.70             |        |      |                                |                  |

Minimum discharge, 18 ft<sup>3</sup>/s, Sept. 21-29, gage height, 1.00 ft.

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     | 64    | 115    | 146    | 85     | 115   | 59    | 190    | 148   | 87    | 57    | 32    | 22    |
| 2     | 61    | 333    | 130    | 80     | 106   | 59    | 184    | 142   | 86    | 56    | 32    | 22    |
| 3     | 58    | 289    | 120    | 76     | 100   | 58    | 171    | 135   | 85    | 54    | 31    | 21    |
| 4     | 55    | 226    | 115    | 72     | 112   | 56    | 161    | 134   | 81    | 51    | 30    | 21    |
| 5     | 52    | 187    | 108    | 68     | 108   | 55    | 146    | 129   | 79    | 49    | 29    | 23    |
| 6     | 66    | 160    | 99     | 67     | 99    | 54    | 147    | 121   | 77    | 57    | 29    | 21    |
| 7     | 54    | 142    | 95     | 65     | 94    | 57    | 175    | 110   | 75    | 50    | 28    | 20    |
| 8     | 56    | 126    | 127    | 64     | 90    | 59    | 197    | 100   | 78    | 60    | 28    | 20    |
| 9     | 76    | 114    | 144    | 63     | 86    | 60    | 182    | 106   | 72    | 75    | 27    | 25    |
| 10    | 79    | 103    | 771    | 63     | 82    | 60    | 163    | 147   | 69    | 66    | 27    | 34    |
| 11    | 68    | 95     | 1,020  | 62     | 80    | 59    | 163    | 122   | e73   | 63    | 27    | 26    |
| 12    | 64    | 87     | 516    | 62     | 80    | 58    | 147    | 113   | e83   | 61    | 27    | 23    |
| 13    | 61    | 82     | 334    | e60    | 79    | 55    | 134    | 105   | 85    | 59    | 26    | 22    |
| 14    | 59    | 76     | 304    | e57    | 75    | 54    | 125    | 105   | 84    | 57    | 25    | 21    |
| 15    | 57    | 77     | 298    | e52    | 71    | 51    | 118    | 111   | 86    | 54    | 25    | 20    |
| 16    | 100   | 75     | 253    | e55    | 68    | 58    | 144    | 117   | 80    | 54    | 25    | 20    |
| 17    | 144   | 71     | 221    | 188    | 67    | 58    | 146    | 129   | 88    | 52    | 27    | 20    |
| 18    | 153   | 78     | 205    | 1,540  | 65    | 56    | 147    | 130   | 80    | 49    | 25    | 20    |
| 19    | 147   | 81     | 220    | 1,010  | 64    | 55    | 146    | 133   | 77    | 47    | 24    | 20    |
| 20    | 132   | 72     | 207    | 590    | 62    | 57    | 149    | 128   | 75    | 45    | 24    | 20    |
| 21    | 123   | 68     | 183    | 479    | 61    | 59    | 168    | 136   | 72    | 44    | 23    | 19    |
| 22    | 122   | 76     | 163    | 364    | 60    | 55    | 209    | 140   | 75    | 46    | 23    | 18    |
| 23    | 117   | 82     | 148    | 317    | 60    | 53    | 260    | 134   | 74    | 43    | 22    | 18    |
| 24    | 125   | 361    | 138    | 265    | 60    | 51    | 308    | 125   | 68    | 41    | 22    | 18    |
| 25    | 118   | 683    | 133    | 223    | 59    | 50    | 301    | 116   | 66    | 39    | 22    | 18    |
| 26    | 110   | 419    | 125    | 194    | 59    | 90    | 284    | 109   | 64    | 38    | 22    | 18    |
| 27    | 102   | 293    | 114    | 175    | 59    | 201   | 262    | 101   | 66    | 36    | 21    | 18    |
| 28    | 96    | 225    | 106    | 154    | 59    | 230   | 225    | 95    | 64    | 36    | 21    | 18    |
| 29    | 93    | 185    | 103    | 141    | ---   | 214   | 187    | 90    | 62    | 35    | 29    | 68    |
| 30    | 106   | 163    | 96     | 134    | ---   | 197   | 160    | 85    | 59    | 33    | 32    | 250   |
| 31    | 99    | ---    | 90     | 129    | ---   | 164   | ---    | 86    | ---   | 33    | 24    | ---   |
| TOTAL | 2,817 | 5,144  | 6,832  | 6,954  | 2,180 | 2,502 | 5,499  | 3,682 | 2,270 | 1,540 | 809   | 904   |
| MEAN  | 90.9  | 171    | 220    | 224    | 77.9  | 80.7  | 183    | 119   | 75.7  | 49.7  | 26.1  | 30.1  |
| MAX   | 153   | 683    | 1,020  | 1,540  | 115   | 230   | 308    | 148   | 88    | 75    | 32    | 250   |
| MIN   | 52    | 68     | 90     | 52     | 59    | 50    | 118    | 85    | 59    | 33    | 21    | 18    |
| AC-FT | 5,590 | 10,200 | 13,550 | 13,790 | 4,320 | 4,960 | 10,910 | 7,300 | 4,500 | 3,050 | 1,600 | 1,790 |
| CFSM  | 3.58  | 6.75   | 8.68   | 8.83   | 3.07  | 3.18  | 7.22   | 4.68  | 2.98  | 1.96  | 1.03  | 1.19  |
| IN.   | 4.13  | 7.53   | 10.01  | 10.18  | 3.19  | 3.66  | 8.05   | 5.39  | 3.32  | 2.26  | 1.18  | 1.32  |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2005, BY WATER YEAR (WY)

| MEAN | 96.0   | 217    | 203    | 170    | 167    | 143    | 234    | 304    | 236    | 96.1   | 36.4   | 40.6   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 262    | 697    | 496    | 459    | 407    | 263    | 387    | 599    | 608    | 352    | 92.0   | 231    |
| (WY) | (1960) | (1991) | (1976) | (1953) | (1996) | (1997) | (1989) | (1956) | (1950) | (1955) | (1955) | (1959) |
| MIN  | 15.3   | 16.6   | 27.9   | 49.9   | 43.9   | 49.4   | 102    | 110    | 38.8   | 30.4   | 21.5   | 17.8   |
| (WY) | (1988) | (1953) | (1953) | (1952) | (1956) | (1955) | (1955) | (1992) | (1992) | (1992) | (2003) | (1998) |

## 12114500 CEDAR RIVER BELOW BEAR CREEK, NEAR CEDAR FALLS, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1946 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 55,009                 |        | 41,133              |        |                         |              |
| ANNUAL MEAN              | 150                    |        | 113                 |        | 162                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 234                     | 1959         |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 102                     | 2001         |
| HIGHEST DAILY MEAN       | 1,020                  | Dec 11 | 1,540               | Jan 18 | 3,880                   | Nov 24, 1990 |
| LOWEST DAILY MEAN        | 22                     | Aug 19 | 18                  | Sep 22 | 13                      | Nov 29, 1952 |
| ANNUAL SEVEN-DAY MINIMUM | 23                     | Aug 15 | 18                  | Sep 22 | 14                      | Nov 26, 1952 |
| ANNUAL RUNOFF (AC-FT)    | 109,100                |        | 81,590              |        | 117,300                 |              |
| ANNUAL RUNOFF (CFSM)     | 5.92                   |        | 4.44                |        | 6.38                    |              |
| ANNUAL RUNOFF (INCHES)   | 80.56                  |        | 60.24               |        | 86.63                   |              |
| 10 PERCENT EXCEEDS       | 279                    |        | 206                 |        | 352                     |              |
| 50 PERCENT EXCEEDS       | 124                    |        | 77                  |        | 109                     |              |
| 90 PERCENT EXCEEDS       | 37                     |        | 25                  |        | 27                      |              |

e Estimated

12115000 CEDAR RIVER NEAR CEDAR FALLS, WA

LOCATION.--Lat 47°22'13", long 121°37'26", in SE 1/4 SW 1/4 sec.23, T.22 N., R.9 E., King County, Hydrologic Unit 17110012, Snoqualmie National Forest, on left bank 1.4 mi upstream from Chester Morse Lake, 8.3 mi southeast of town of Cedar Falls, and at mile 43.5.

DRAINAGE AREA.--40.7 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1945 to current year.

REVISED RECORDS.--WSP 1286: 1946-48, 1950(P), 1951. WSP 1516: 1946(M), 1947-48(P), 1950-51(M), 1953-54(P), 1955(M). WSP 1932: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 1,560 ft above NGVD of 1929 from topographic map. Prior to Oct. 26, 1957, at site 80 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--60 years (water years 1946-2005), 256 ft<sup>3</sup>/s, 85.58 in/yr, 185,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,490 ft<sup>3</sup>/s, Nov. 22, 1959, gage height, 11.34 ft, from high-water mark in well, from rating curve extended above 4,300 ft<sup>3</sup>/s, on basis of slope-area measurements at gage heights 10.16 ft and 11.34 ft; maximum gage height, 11.4 ft, Feb. 11, 1951, backwater from Chester Morse Lake; minimum discharge, 19 ft<sup>3</sup>/s, Oct. 23-26, 29-31, 1987.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) | Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) |
|--------|------|--------------------------------|------------------|--------|------|--------------------------------|------------------|
| Nov 25 | 0900 | 1,280                          | 5.81             | Jan 18 | 1315 | *3,520                         | *7.69            |
| Dec 11 | 0415 | 2,490                          | 6.98             |        |      |                                |                  |

Minimum discharge, 27 ft<sup>3</sup>/s, Sept. 26-29, gage height, 2.26 ft.

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     | 100   | 162    | 236    | 137    | 174   | 80    | 318    | 216    | e139  | 88    | 49    | 36    |
| 2     | 93    | 515    | 209    | 129    | 162   | 79    | 316    | 206    | e138  | 86    | 49    | 34    |
| 3     | 89    | 494    | 192    | 122    | 153   | 78    | 288    | 198    | e136  | 83    | 47    | 32    |
| 4     | 84    | 377    | 184    | 116    | 168   | 76    | 272    | 192    | e130  | 79    | 46    | 33    |
| 5     | 81    | 306    | 177    | 111    | 169   | 75    | 241    | 188    | e126  | 76    | 44    | 34    |
| 6     | 104   | 258    | 163    | 109    | 153   | 75    | 235    | 176    | e124  | 90    | 43    | 32    |
| 7     | 88    | 224    | 160    | 106    | 144   | 77    | 278    | 160    | 120   | 80    | 43    | 31    |
| 8     | 90    | 198    | 244    | 101    | 137   | 80    | 315    | 146    | 125   | 91    | 42    | 30    |
| 9     | 123   | 178    | 274    | 97     | 131   | 82    | 285    | 149    | 114   | 132   | 41    | 34    |
| 10    | 129   | 161    | 1,190  | 93     | 125   | 83    | 253    | 217    | 108   | 114   | 40    | 61    |
| 11    | 115   | 148    | 1,820  | 90     | 121   | 81    | 261    | 184    | 113   | 107   | 40    | 54    |
| 12    | 106   | 137    | 833    | 89     | 121   | 79    | 237    | 170    | 137   | 101   | 40    | 42    |
| 13    | 99    | 129    | 543    | 85     | 121   | 77    | 214    | 159    | 140   | 96    | 39    | 37    |
| 14    | 94    | 121    | 488    | e77    | 115   | 74    | 198    | 160    | 140   | 91    | 37    | 34    |
| 15    | 91    | 120    | 492    | e65    | 108   | 72    | 186    | 170    | 143   | 87    | 37    | 33    |
| 16    | 144   | 118    | 415    | e70    | 103   | 82    | 245    | e175   | 133   | 87    | 36    | 33    |
| 17    | 235   | 117    | 359    | 225    | 99    | 87    | 257    | e185   | 150   | 82    | 39    | 32    |
| 18    | 261   | 127    | 326    | 2,730  | 96    | 81    | 252    | e185   | 137   | 77    | 38    | 32    |
| 19    | 246   | 133    | 341    | 1,720  | 93    | 78    | 239    | e190   | 129   | 74    | 36    | 31    |
| 20    | 218   | 119    | 326    | 882    | 90    | 83    | 238    | e185   | 124   | 71    | 35    | 30    |
| 21    | 197   | 112    | 291    | 716    | 88    | 88    | 255    | e195   | 117   | 68    | 34    | 30    |
| 22    | 191   | 120    | 258    | 559    | 85    | 81    | 305    | e200   | 122   | 72    | 34    | 30    |
| 23    | 180   | 126    | 232    | 478    | 83    | 77    | 374    | e195   | 121   | 69    | 34    | 29    |
| 24    | 191   | 506    | 213    | 398    | 81    | 74    | 449    | e190   | 110   | 64    | 33    | 29    |
| 25    | 182   | 1,070  | 205    | 340    | 79    | 72    | 431    | e180   | 104   | 62    | 33    | 28    |
| 26    | 169   | 701    | 194    | 296    | 77    | 149   | 403    | e170   | 100   | 59    | 32    | 28    |
| 27    | 158   | 485    | 177    | 269    | 76    | 376   | 371    | e162   | 103   | 57    | 31    | 27    |
| 28    | 148   | 367    | 166    | 236    | 79    | 443   | 327    | e152   | 99    | 55    | 31    | 27    |
| 29    | 142   | 299    | 163    | 213    | ---   | 410   | 274    | e144   | 96    | 53    | 41    | 77    |
| 30    | 158   | 264    | 156    | 198    | ---   | 365   | 238    | e136   | 91    | 52    | 51    | 490   |
| 31    | 150   | ---    | 145    | 189    | ---   | 286   | ---    | e138   | ---   | 50    | 40    | ---   |
| TOTAL | 4,456 | 8,192  | 11,172 | 11,046 | 3,231 | 4,000 | 8,555  | 5,473  | 3,669 | 2,453 | 1,215 | 1,510 |
| MEAN  | 144   | 273    | 360    | 356    | 115   | 129   | 285    | 177    | 122   | 79.1  | 39.2  | 50.3  |
| MAX   | 261   | 1,070  | 1,820  | 2,730  | 174   | 443   | 449    | 217    | 150   | 132   | 51    | 490   |
| MIN   | 81    | 112    | 145    | 65     | 76    | 72    | 186    | 136    | 91    | 50    | 31    | 27    |
| AC-FT | 8,840 | 16,250 | 22,160 | 21,910 | 6,410 | 7,930 | 16,970 | 10,860 | 7,280 | 4,870 | 2,410 | 3,000 |
| CFSM  | 3.53  | 6.71   | 8.85   | 8.75   | 2.84  | 3.17  | 7.01   | 4.34   | 3.00  | 1.94  | 0.96  | 1.24  |
| IN.   | 4.07  | 7.49   | 10.21  | 10.10  | 2.95  | 3.66  | 7.82   | 5.00   | 3.35  | 2.24  | 1.11  | 1.38  |

## LAKE WASHINGTON BASIN

12115000 CEDAR RIVER NEAR CEDAR FALLS, WA—Continued

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

| DAY   | OCT                    | NOV    | DEC    | JAN    | FEB                 | MAR    | APR    | MAY    | JUN                     | JUL    | AUG    | SEP    |
|---|------------------------|--------|--------|--------|---------------------|--------|--------|--------|-------------------------|--------|--------|--------|
| STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2005, BY WATER YEAR (WY) |                        |        |        |        |                     |        |        |        |                         |        |        |        |
| MEAN  | 149                    | 331    | 344    | 308    | 290                 | 243    | 351    | 447    | 348                     | 146    | 58.3   | 66.9   |
| MAX   | 403                    | 1,269  | 780    | 722    | 692                 | 698    | 580    | 834    | 874                     | 472    | 150    | 365    |
| (WY)  | (1948)                 | (1991) | (1976) | (1953) | (1996)              | (1972) | (1989) | (1956) | (1974)                  | (1955) | (1964) | (1959) |
| MIN   | 20.1                   | 27.1   | 63.5   | 91.7   | 81.9                | 99.1   | 160    | 170    | 62.6                    | 46.4   | 27.1   | 25.4   |
| (WY)  | (1988)                 | (1953) | (1953) | (1979) | (1969)              | (1955) | (1967) | (1992) | (1992)                  | (2003) | (2003) | (1987) |
| SUMMARY STATISTICS  |                        |        |        |        |                     |        |        |        |                         |        |        |        |
|   | FOR 2004 CALENDAR YEAR |        |        |        | FOR 2005 WATER YEAR |        |        |        | WATER YEARS 1946 - 2005 |        |        |        |
| ANNUAL TOTAL  | 86,154                 |        |        |        | 64,972              |        |        |        |                         |        |        |        |
| ANNUAL MEAN   | 235                    |        |        |        | 178                 |        |        |        | 256                     |        |        |        |
| HIGHEST ANNUAL MEAN   |                        |        |        |        |                     |        |        |        | 373                     |        |        |        |
| LOWEST ANNUAL MEAN  |                        |        |        |        |                     |        |        |        | 157                     |        |        |        |
| HIGHEST DAILY MEAN  | 1,820                  |        |        |        | Dec 11              |        |        |        | 2,730                   |        |        |        |
| LOWEST DAILY MEAN   | 32                     |        |        |        | Aug 19              |        |        |        | 27                      |        |        |        |
| ANNUAL SEVEN-DAY MINIMUM  | 33                     |        |        |        | Aug 15              |        |        |        | 28                      |        |        |        |
| ANNUAL RUNOFF (AC-FT)   | 170,900                |        |        |        |                     |        |        |        | 128,900                 |        |        |        |
| ANNUAL RUNOFF (CFSM)  | 5.78                   |        |        |        |                     |        |        |        | 4.37                    |        |        |        |
| ANNUAL RUNOFF (INCHES)  | 78.75                  |        |        |        |                     |        |        |        | 59.38                   |        |        |        |
| 10 PERCENT EXCEEDS  | 412                    |        |        |        |                     |        |        |        | 326                     |        |        |        |
| 50 PERCENT EXCEEDS  | 198                    |        |        |        |                     |        |        |        | 124                     |        |        |        |
| 90 PERCENT EXCEEDS  | 58                     |        |        |        |                     |        |        |        | 37                      |        |        |        |

e Estimated

12115000 CEDAR RIVER NEAR CEDAR FALLS, WA—Continued

## WATER-QUALITY RECORDS

## PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 1997 to current year.

INSTRUMENTATION.--Temperature recorder since May, 1997.

REMARKS.--Records rated fair except for July 20-Aug. 9, which are poor.

## EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 16.5°C (rounded), Sept. 3, 4, 6, 14, 1998; minimum, 0.0°C, Mar. 19, 20, 2002.

## EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 13.1°C, July 18, 26, 28, 30, 31, Aug. 6-9, 14, 15; minimum, 0.7°C, Jan. 17, 18.

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
|       |     |     |      |     |     |      |     |     |      |     |     |      |
| 1     | 9.5 | 8.8 | 9.2  | 5.7 | 5.7 | 5.7  | 4.9 | 4.6 | 4.7  | 4.2 | 3.9 | 4.0  |
| 2     | 9.5 | 8.8 | 9.1  | 6.4 | 5.7 | 6.0  | 4.9 | 4.2 | 4.6  | 3.9 | 3.2 | 3.6  |
| 3     | 9.5 | 8.5 | 9.1  | 6.0 | 5.3 | 5.8  | 5.3 | 4.6 | 4.8  | 3.2 | 2.5 | 3.0  |
| 4     | 9.5 | 8.5 | 9.0  | 5.3 | 4.9 | 5.2  | 5.3 | 4.6 | 4.9  | 2.8 | 2.5 | 2.5  |
| 5     | 9.5 | 8.5 | 8.9  | 5.7 | 4.9 | 5.3  | 4.9 | 4.2 | 4.6  | 2.8 | 2.1 | 2.4  |
| 6     | 9.5 | 9.2 | 9.3  | 6.0 | 4.9 | 5.5  | 4.6 | 4.2 | 4.3  | 2.8 | 2.5 | 2.5  |
| 7     | 9.5 | 8.8 | 9.2  | 6.7 | 6.0 | 6.3  | 4.2 | 3.9 | 4.1  | 3.2 | 2.5 | 2.8  |
| 8     | 9.2 | 8.8 | 9.0  | 6.7 | 6.0 | 6.4  | 4.2 | 3.9 | 4.2  | 3.2 | 2.8 | 2.9  |
| 9     | 9.2 | 8.8 | 8.9  | 6.4 | 6.0 | 6.2  | 4.9 | 4.2 | 4.4  | 3.2 | 2.5 | 2.9  |
| 10    | 9.2 | 8.8 | 8.9  | 6.7 | 6.0 | 6.4  | 4.9 | 4.6 | 4.8  | 3.2 | 2.5 | 2.9  |
| 11    | 9.2 | 8.5 | 8.7  | 6.4 | 6.0 | 6.1  | 4.9 | 4.6 | 4.8  | 2.8 | 2.1 | 2.4  |
| 12    | 9.2 | 8.5 | 8.8  | 6.4 | 6.0 | 6.2  | 4.6 | 3.9 | 4.2  | 3.2 | 2.8 | 3.1  |
| 13    | 9.2 | 8.5 | 8.8  | 6.7 | 6.4 | 6.5  | 4.6 | 4.2 | 4.4  | 3.5 | 3.2 | 3.2  |
| 14    | 9.2 | 8.5 | 8.8  | 6.7 | 6.4 | 6.4  | 5.3 | 4.2 | 4.8  | 3.2 | 1.8 | 2.4  |
| 15    | 9.2 | 8.8 | 9.0  | 6.7 | 6.4 | 6.5  | 4.9 | 4.6 | 4.8  | 2.5 | 1.8 | 1.9  |
| 16    | 9.2 | 9.2 | 9.2  | 6.7 | 6.4 | 6.5  | 4.9 | 4.6 | 4.8  | 2.5 | 1.4 | 2.1  |
| 17    | 9.2 | 8.5 | 8.9  | 6.4 | 5.7 | 6.1  | 4.9 | 4.6 | 4.9  | 2.5 | 0.7 | 2.1  |
| 18    | 8.5 | 8.1 | 8.2  | 6.0 | 5.7 | 5.9  | 5.3 | 4.9 | 5.2  | 3.9 | 0.7 | 2.8  |
| 19    | 8.1 | 7.8 | 7.8  | 6.0 | 5.7 | 5.8  | 5.3 | 4.9 | 5.0  | 4.6 | 3.9 | 4.4  |
| 20    | 7.8 | 7.1 | 7.5  | 5.7 | 4.9 | 5.2  | 4.9 | 4.2 | 4.6  | 4.6 | 4.2 | 4.4  |
| 21    | 7.8 | 7.4 | 7.7  | 5.3 | 4.6 | 5.0  | 4.2 | 3.9 | 4.2  | 4.9 | 4.6 | 4.7  |
| 22    | 7.4 | 7.4 | 7.4  | 5.7 | 5.3 | 5.5  | 4.6 | 4.2 | 4.4  | 5.3 | 4.9 | 5.1  |
| 23    | 7.4 | 7.1 | 7.2  | 6.0 | 5.7 | 5.8  | 4.2 | 3.9 | 3.9  | 5.7 | 5.3 | 5.4  |
| 24    | 7.1 | 6.7 | 6.9  | 6.4 | 6.0 | 6.2  | 4.2 | 3.5 | 3.9  | 5.3 | 4.6 | 4.9  |
| 25    | 6.7 | 6.4 | 6.6  | 6.4 | 5.3 | 6.0  | 4.9 | 4.2 | 4.6  | 5.3 | 4.6 | 4.9  |
| 26    | 7.1 | 6.4 | 6.7  | 5.3 | 4.9 | 5.2  | 4.9 | 4.6 | 4.7  | 5.3 | 4.9 | 5.2  |
| 27    | 6.7 | 5.7 | 6.2  | 4.9 | 4.2 | 4.6  | 4.6 | 4.2 | 4.4  | 5.3 | 4.9 | 5.1  |
| 28    | 6.4 | 5.7 | 6.0  | 4.6 | 4.2 | 4.5  | 4.6 | 4.2 | 4.3  | 5.3 | 4.6 | 5.0  |
| 29    | 7.1 | 6.4 | 6.7  | 4.2 | 3.5 | 4.0  | 4.6 | 4.2 | 4.6  | 5.3 | 4.9 | 5.0  |
| 30    | 7.1 | 6.4 | 6.7  | 4.6 | 3.9 | 4.3  | 4.6 | 4.2 | 4.3  | 5.7 | 4.9 | 5.2  |
| 31    | 6.7 | 5.7 | 6.3  | --- | --- | ---  | 4.2 | 3.9 | 4.0  | 5.7 | 5.3 | 5.4  |
| MONTH | 9.5 | 5.7 | 8.1  | 6.7 | 3.5 | 5.7  | 5.3 | 3.5 | 4.5  | 5.7 | 0.7 | 3.7  |





12115500 REX RIVER NEAR CEDAR FALLS, WA

LOCATION.--Lat 47°21'03", long 121°39'43", in NE¼NW¼ sec.33, T.22 N., R.9 E., King County, Hydrologic Unit 17110012, Snoqualmie National Forest, on right bank 3.0 mi upstream from mouth and Chester Morse Lake, and 7.5 mi southeast of town of Cedar Falls.

DRAINAGE AREA.--13.4 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1945 to current year.

REVISED RECORDS.--WSP 1286: 1946, 1948(P), 1949(M), 1950(P), 1952(M). WSP 1446: 1946(M), 1951, 1953-55(M). WSP 1932: Drainage area. WDR WA-74-1: 1973.

GAGE.--Water-stage recorder. Elevation of gage is 1,700 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 2000, published at datum 1,600 ft above NGVD of 1929.

REMARKS.--Records fair. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--60 years (water years 1946-2005), 100 ft<sup>3</sup>/s, 101.59 in/yr, 72,590 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft<sup>3</sup>/s, Nov. 22, 1959, gage height, 8.20 ft, from rating curve extended above 1,600 ft<sup>3</sup>/s, on basis of contracted-opening measurement at gage height 7.19 ft and slope-area measurement at gage height 8.20 ft; maximum gage height, 9.31 ft, Nov. 19, 1962, backwater from debris; minimum discharge, 3.0 ft<sup>3</sup>/s, Sept. 6-8, 1986, gage height, 3.23 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) | Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) |
|--------|------|--------------------------------|------------------|--------|------|--------------------------------|------------------|
| Dec 11 | 0315 | 1,080                          | 5.91             | Sep 30 | 0145 | 946                            | 5.73             |
| Jan 18 | 0145 | *1,860                         | *6.75            |        |      |                                |                  |

Minimum discharge, 8.3 ft<sup>3</sup>/s, Aug. 25-29, Sept. 9, 28, 29, gage height, 2.97 ft.

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     | 38    | 86    | 81    | 48    | 49    | 29    | 155   | 68    | 46    | 32    | 16    | 12      |
| 2     | 35    | 237   | 71    | 46    | 45    | 27    | 148   | 66    | 51    | 32    | 16    | 11      |
| 3     | 34    | 190   | 66    | 47    | 42    | 27    | 132   | 62    | 43    | 29    | 15    | 10      |
| 4     | 32    | 143   | 64    | 46    | 57    | 25    | 116   | 58    | 39    | 27    | 14    | 10      |
| 5     | 31    | 114   | 63    | 46    | 51    | 24    | 97    | 53    | 41    | 26    | 14    | 14      |
| 6     | 58    | 97    | 57    | 42    | 45    | 24    | 110   | 47    | 42    | 47    | 14    | 10      |
| 7     | 37    | 86    | 55    | 38    | 41    | 25    | 145   | 43    | 41    | 32    | 13    | 9.5     |
| 8     | 49    | 75    | 136   | 37    | 39    | 24    | 149   | 40    | 48    | 52    | 13    | 8.7     |
| 9     | 84    | 69    | 158   | 35    | 37    | 24    | 115   | 48    | 40    | 77    | 12    | 12      |
| 10    | 72    | 62    | 496   | 34    | 36    | 24    | 98    | 86    | 38    | 56    | 12    | 60      |
| 11    | 60    | 56    | 596   | 33    | 35    | 22    | 132   | 65    | 52    | 51    | 12    | 24      |
| 12    | 53    | 51    | 270   | 33    | 37    | 21    | 102   | 59    | 74    | 47    | 12    | 17      |
| 13    | 48    | 48    | 181   | 31    | 36    | 20    | 87    | 54    | 74    | 43    | 11    | 15      |
| 14    | 44    | 46    | 245   | e26   | 33    | 19    | 79    | 59    | 70    | 39    | 11    | 14      |
| 15    | 42    | 48    | 246   | e24   | 32    | 18    | 81    | 77    | 72    | 36    | 10    | 13      |
| 16    | 138   | 50    | 179   | e27   | 31    | 23    | 178   | 89    | 61    | 37    | 10    | 13      |
| 17    | 184   | 49    | 144   | 306   | 29    | 24    | 152   | 92    | 74    | 34    | 13    | 13      |
| 18    | 168   | 62    | 125   | 1,400 | 28    | 23    | 134   | 94    | 60    | 30    | 11    | 12      |
| 19    | 133   | 64    | 136   | 495   | 27    | 27    | 121   | 103   | 56    | 28    | 10    | 11      |
| 20    | 104   | 53    | 118   | 285   | 26    | 32    | 116   | 97    | 52    | 26    | 9.7   | 11      |
| 21    | 92    | 49    | 101   | 234   | 25    | 32    | 119   | 105   | 46    | 25    | 9.3   | 11      |
| 22    | 92    | 58    | 88    | 179   | 24    | 28    | 132   | 102   | 56    | 29    | 9.2   | 10      |
| 23    | 84    | 71    | 78    | 152   | 24    | 26    | 153   | 91    | 52    | 25    | 9.2   | 10      |
| 24    | 90    | 367   | 72    | 117   | 24    | 25    | 179   | 80    | 44    | 23    | 9.2   | 9.7     |
| 25    | 83    | 492   | 74    | 97    | 23    | 24    | 150   | 70    | 41    | 21    | 8.7   | 9.2     |
| 26    | 73    | 275   | 73    | 83    | 22    | 129   | 129   | 61    | 38    | 20    | 8.3   | 9.2     |
| 27    | 67    | 182   | 63    | 79    | 22    | 284   | 114   | 54    | 42    | 19    | 8.3   | 8.9     |
| 28    | 62    | 132   | 59    | 66    | 27    | 248   | 97    | 49    | 38    | 18    | 8.3   | 8.7     |
| 29    | 61    | 107   | 58    | 61    | ---   | 194   | 87    | 44    | 36    | 17    | 19    | 187     |
| 30    | 68    | 92    | 55    | 56    | ---   | 160   | 77    | 41    | 33    | 17    | 32    | 479     |
| 31    | 62    | ---   | 51    | 59    | ---   | 118   | ---   | 48    | ---   | 16    | 14    | ---     |
| TOTAL | 2,278 | 3,511 | 4,259 | 4,262 | 947   | 1,750 | 3,684 | 2,105 | 1,500 | 1,011 | 384.2 | 1,042.9 |
| MEAN  | 73.5  | 117   | 137   | 137   | 33.8  | 56.5  | 123   | 67.9  | 50.0  | 32.6  | 12.4  | 34.8    |
| MAX   | 184   | 492   | 596   | 1,400 | 57    | 284   | 179   | 105   | 74    | 77    | 32    | 479     |
| MIN   | 31    | 46    | 51    | 24    | 22    | 18    | 77    | 40    | 33    | 16    | 8.3   | 8.7     |
| AC-FT | 4,520 | 6,960 | 8,450 | 8,450 | 1,880 | 3,470 | 7,310 | 4,180 | 2,980 | 2,010 | 762   | 2,070   |
| CFSM  | 5.48  | 8.73  | 10.3  | 10.3  | 2.52  | 4.21  | 9.16  | 5.07  | 3.73  | 2.43  | 0.92  | 2.59    |
| IN.   | 6.32  | 9.75  | 11.82 | 11.83 | 2.63  | 4.86  | 10.23 | 5.84  | 4.16  | 2.81  | 1.07  | 2.90    |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 70.9   | 146    | 148    | 133    | 117    | 92.6   | 135    | 157    | 113    | 43.4   | 18.0   | 30.3   |
| MAX  | 171    | 489    | 357    | 326    | 281    | 250    | 248    | 280    | 354    | 174    | 62.4   | 189    |
| (WY) | (1948) | (1991) | (1976) | (1953) | (1982) | (1972) | (1989) | (1971) | (1974) | (1955) | (1964) | (1959) |
| MIN  | 6.30   | 7.90   | 28.9   | 32.6   | 20.6   | 28.7   | 50.7   | 41.7   | 17.1   | 9.42   | 5.26   | 6.54   |
| (WY) | (1953) | (1953) | (1986) | (1957) | (1969) | (1955) | (1967) | (1992) | (1992) | (2003) | (2003) | (1967) |

## LAKE WASHINGTON BASIN

12115500 REX RIVER NEAR CEDAR FALLS, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1946 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 34,654.4               |        | 26,734.1            |        | 100                     |              |
| ANNUAL MEAN              | 94.7                   |        | 73.2                |        | 146                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1974                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 2001                    |              |
| HIGHEST DAILY MEAN       | 1,090                  | Jan 29 | 1,400               | Jan 18 | 2,750                   | Nov 24, 1990 |
| LOWEST DAILY MEAN        | 8.3                    | Aug 19 | 8.3                 | Aug 26 | 3.1                     | Sep 7, 1986  |
| ANNUAL SEVEN-DAY MINIMUM | 8.8                    | Aug 15 | 8.7                 | Aug 22 | 3.8                     | Sep 2, 1986  |
| ANNUAL RUNOFF (AC-FT)    | 68,740                 |        | 53,030              |        | 72,590                  |              |
| ANNUAL RUNOFF (CFSM)     | 7.07                   |        | 5.47                |        | 7.48                    |              |
| ANNUAL RUNOFF (INCHES)   | 96.20                  |        | 74.22               |        | 101.59                  |              |
| 10 PERCENT EXCEEDS       | 179                    |        | 148                 |        | 217                     |              |
| 50 PERCENT EXCEEDS       | 74                     |        | 48                  |        | 64                      |              |
| 90 PERCENT EXCEEDS       | 16                     |        | 12                  |        | 12                      |              |

e Estimated

12115700 BOULDER CREEK NEAR CEDAR FALLS, WA

LOCATION.--Lat 47°21'59", long 121°41'30", in NW¼NW¼ sec.29, T.22 N., R.9 E., King County, Hydrologic Unit 17110012, Snoqualmie National Forest, on left bank 5.8 mi southeast of Cedar Falls, and at mile 0.4.

DRAINAGE AREA.--4.64 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1983 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,610 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No regulation or diversion upstream from station.

AVERAGE DISCHARGE.--22 years (water years 1984-2005), 24.0 ft<sup>3</sup>/s, 70.24 in/yr, 17,380 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,800 ft<sup>3</sup>/s, Nov. 23, 1986, gage height, 4.16 ft; maximum gage height, 5.37 ft, Feb. 8, 1996; minimum discharge, no flow for many days during August through October most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 310 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) | Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) |
|--------|------|--------------------------------|------------------|--------|------|--------------------------------|------------------|
| Dec 11 | 0300 | 341                            | 4.20             | Jan 18 | 0300 | *996                           | *4.93            |

Minimum discharge, no flow part or all of each day Aug. 25-28.

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     | 8.2   | 17    | 25    | 14      | 13    | 4.3   | 45    | 15    | 9.4   | 6.8   | 2.1   | 0.82   |
| 2     | 7.5   | 55    | 23    | 12      | 12    | 3.7   | 46    | 14    | 10    | 7.0   | 2.1   | 0.60   |
| 3     | 7.0   | 44    | 25    | 11      | 10    | 3.5   | 44    | 13    | 8.5   | 6.3   | 1.8   | 0.48   |
| 4     | 6.4   | 33    | 25    | 11      | 13    | 2.9   | 38    | 12    | 7.3   | 5.5   | 1.7   | 0.63   |
| 5     | 6.2   | 27    | 22    | 10      | 11    | 2.7   | 31    | 11    | 7.7   | 5.1   | 1.5   | 1.5    |
| 6     | 12    | 24    | 22    | 12      | 10    | 2.5   | 31    | 9.3   | 8.3   | 12    | 1.4   | 0.70   |
| 7     | 7.8   | 20    | 20    | 15      | 8.6   | 2.6   | 40    | 8.3   | 8.0   | 7.0   | 1.3   | 0.45   |
| 8     | 12    | 18    | 36    | 11      | 7.6   | 2.3   | 44    | 7.7   | 11    | 12    | 1.2   | 0.31   |
| 9     | 16    | 15    | 43    | 8.8     | 7.0   | 2.2   | 34    | 9.9   | 8.5   | 19    | 1.2   | 0.74   |
| 10    | 14    | 14    | 168   | 9.1     | 6.4   | 2.0   | 28    | 21    | 7.6   | 13    | 1.1   | 11     |
| 11    | 11    | 13    | 223   | 8.3     | 6.1   | 1.8   | 38    | 15    | 13    | 12    | 1.1   | 3.8    |
| 12    | 10    | 12    | 89    | 8.5     | 7.0   | 1.6   | 31    | 13    | 19    | 11    | 1.0   | 2.0    |
| 13    | 9.6   | 11    | 56    | 7.2     | 6.6   | 1.4   | 26    | 11    | 19    | 10    | 0.89  | 1.4    |
| 14    | 8.8   | 11    | 62    | 6.1     | 5.8   | 1.3   | 24    | 13    | 18    | 8.8   | 0.75  | 1.1    |
| 15    | 8.3   | 12    | 63    | 5.9     | 4.9   | 1.2   | 25    | 18    | 18    | 7.8   | 0.66  | 1.1    |
| 16    | 31    | 12    | 48    | 8.4     | 4.7   | 2.4   | 59    | 22    | 15    | 8.5   | 0.62  | 1.1    |
| 17    | 46    | 11    | 39    | 106     | 4.4   | 2.9   | 57    | 23    | 19    | 7.1   | 1.3   | 0.97   |
| 18    | 38    | 15    | 35    | 589     | 4.3   | 2.6   | 46    | 22    | 15    | 6.0   | 0.98  | 0.81   |
| 19    | 30    | 15    | 36    | 191     | 4.0   | 3.2   | 37    | 23    | 14    | 5.4   | 0.70  | 0.67   |
| 20    | 24    | 13    | 32    | 100     | 3.7   | 5.4   | 33    | 22    | 13    | 4.9   | 0.52  | 0.58   |
| 21    | 20    | 13    | 28    | 72      | 3.4   | 5.7   | 31    | 23    | 11    | 4.5   | 0.44  | 0.52   |
| 22    | 19    | 16    | 25    | 55      | 3.2   | 4.4   | 32    | 24    | 16    | 5.3   | 0.40  | 0.45   |
| 23    | 17    | 19    | 22    | 47      | 3.1   | 3.9   | 36    | 21    | 15    | 4.5   | 0.37  | 0.41   |
| 24    | 17    | 89    | 23    | 36      | 3.0   | 3.4   | 43    | 19    | 12    | 3.9   | 0.33  | 0.38   |
| 25    | 16    | 134   | 27    | 31      | 2.9   | 3.1   | 34    | 16    | 11    | 3.5   | e0.10 | 0.33   |
| 26    | 15    | 74    | 23    | 27      | 2.8   | 2.7   | 29    | 14    | 11    | 3.2   | e0.00 | 0.27   |
| 27    | 13    | 49    | 19    | 25      | 2.8   | 8.2   | 25    | 12    | 11    | 3.0   | e0.00 | 0.20   |
| 28    | 12    | 35    | 19    | 20      | 3.8   | 8.0   | 22    | 10    | 10    | 2.7   | e0.00 | 0.19   |
| 29    | 12    | 30    | 21    | 18      | ---   | 5.9   | 20    | 9.0   | 8.7   | 2.5   | 1.9   | 38     |
| 30    | 13    | 28    | 18    | 16      | ---   | 4.8   | 17    | 8.3   | 7.5   | 2.3   | 5.2   | 139    |
| 31    | 12    | ---   | 16    | 16      | ---   | 3.4   | ---   | 9.4   | ---   | 2.1   | 1.4   | ---    |
| TOTAL | 479.8 | 879   | 1,333 | 1,507.3 | 175.1 | 403.0 | 1,046 | 468.9 | 362.5 | 212.7 | 34.06 | 210.51 |
| MEAN  | 15.5  | 29.3  | 43.0  | 48.6    | 6.25  | 13.0  | 34.9  | 15.1  | 12.1  | 6.86  | 1.10  | 7.02   |
| MAX   | 46    | 134   | 223   | 589     | 13    | 82    | 59    | 24    | 19    | 19    | 5.2   | 139    |
| MIN   | 6.2   | 11    | 16    | 5.9     | 2.8   | 1.2   | 17    | 7.7   | 7.3   | 2.1   | 0.00  | 0.19   |
| AC-FT | 952   | 1,740 | 2,640 | 2,990   | 347   | 799   | 2,070 | 930   | 719   | 422   | 68    | 418    |
| CFSM  | 3.34  | 6.31  | 9.27  | 10.5    | 1.35  | 2.80  | 7.51  | 3.26  | 2.60  | 1.48  | 0.24  | 1.51   |
| IN.   | 3.85  | 7.05  | 10.69 | 12.08   | 1.40  | 3.23  | 8.39  | 3.76  | 2.91  | 1.71  | 0.27  | 1.69   |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2005, BY WATER YEAR (WY)

|          | 14.0   | 45.0   | 37.1   | 37.2   | 30.7   | 28.8   | 35.9   | 30.1   | 17.3   | 6.36   | 1.98   | 3.77   |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX (WY) | (1986) | (1996) | (1999) | (1984) | (1996) | (2003) | (1985) | (1999) | (1999) | (1983) | (2004) | (2004) |
| MIN (WY) | (1988) | (1988) | (1986) | (1985) | (2005) | (1992) | (1995) | (1992) | (1992) | (1987) | (1987) | (1987) |

## LAKE WASHINGTON BASIN

12115700 BOULDER CREEK NEAR CEDAR FALLS, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1983 - 2005 |             |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|-------------|
| ANNUAL TOTAL             | 8,436.83               |        | 7,111.87            |        |                         |             |
| ANNUAL MEAN              | 23.1                   |        | 19.5                |        | 24.0                    |             |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 37.0 1999               |             |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 15.6 1992               |             |
| HIGHEST DAILY MEAN       | 287                    | Jan 29 | 589                 | Jan 18 | 850                     | Feb 8, 1996 |
| LOWEST DAILY MEAN        | 0.44                   | Aug 20 | 0.00                | Aug 26 | 0.00                    | Aug 8, 1984 |
| ANNUAL SEVEN-DAY MINIMUM | 0.63                   | Aug 15 | 0.17                | Aug 22 | 0.00                    | Aug 8, 1984 |
| ANNUAL RUNOFF (AC-FT)    | 16,730                 |        | 14,110              |        | 17,380                  |             |
| ANNUAL RUNOFF (CFSM)     | 4.97                   |        | 4.20                |        | 5.17                    |             |
| ANNUAL RUNOFF (INCHES)   | 67.64                  |        | 57.02               |        | 70.24                   |             |
| 10 PERCENT EXCEEDS       | 46                     |        | 39                  |        | 52                      |             |
| 50 PERCENT EXCEEDS       | 18                     |        | 11                  |        | 14                      |             |
| 90 PERCENT EXCEEDS       | 2.7                    |        | 1.1                 |        | 0.75                    |             |

e Estimated

## 12115900 CHESTER MORSE LAKE AT CEDAR FALLS, WA

LOCATION.--Lat 47°24'34", long 121°43'22", in SW¼NE¼ sec.12, T.22 N., R.8 E., King County, Hydrologic Unit 17110012, at the overflow dike, 3.1 mi southeast of town of Cedar Falls, and at mile 37.2.

DRAINAGE AREA.--78.4 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder. Prior to Aug. 22, 2001, nonrecording gage at same site and datum. Datum of gage is 7.39 ft above NGVD of 1929 (levels by City of Seattle).

REMARKS.--Reservoir is formed by concrete overflow dike (wooden crib dam prior to 1989). Usable capacity, 37,186 acre-ft between gage heights 1,532 ft, minimum operation level, and 1,555 ft, spillway crest. Unused storage below gage height 1,532 ft is 38,137 acre-ft. Occasionally, elevation of downstream Cedar Lake exceeds 1,555 ft and the overflow dike is submerged. Chester Morse Lake is then controlled by masonry gravity dam at Cedar Lake. Water is used by City of Seattle for municipal water supply and power production. U.S. Geological Survey satellite telemeter at station.

COOPERATION.--Prior to Aug. 22, 2001, gage-height record furnished by City of Seattle Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 1,568.59 ft, Nov. 25, 1990; minimum observed, 1,533.24 ft, Nov. 8, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 1,562.29 ft, May 26; minimum gage height, 1,546.89 ft, Nov. 23.

GAGE HEIGHT, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY OBSERVATION AT 0800 HOURS

| DAY    | OCT      | NOV      | DEC      | JAN      | FEB      | MAR      | APR      | MAY      | JUN      | JUL      | AUG      | SEP      |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1      | 1,550.63 | 1,549.03 | 1,551.35 | 1,551.46 | 1,554.99 | 1,551.69 | 1,553.19 | 1,561.27 | 1,561.80 | 1,560.12 | 1,556.43 | 1,551.08 |
| 2      | 1,550.55 | 1,549.20 | 1,551.03 | 1,551.35 | 1,554.93 | 1,551.59 | 1,553.73 | 1,561.25 | 1,561.74 | 1,560.01 | 1,556.26 | 1,550.92 |
| 3      | 1,550.48 | 1,550.17 | 1,550.66 | 1,551.24 | 1,554.93 | 1,551.51 | 1,554.14 | 1,561.27 | 1,561.66 | 1,559.91 | 1,556.07 | 1,550.76 |
| 4      | 1,550.44 | 1,550.49 | 1,550.36 | 1,551.14 | 1,554.93 | 1,551.39 | 1,554.49 | 1,561.25 | 1,561.55 | 1,559.80 | 1,555.89 | 1,550.61 |
| 5      | 1,550.40 | 1,550.47 | 1,550.10 | 1,550.97 | 1,555.09 | 1,551.28 | 1,554.81 | 1,561.24 | 1,561.44 | 1,559.68 | 1,555.70 | 1,550.51 |
| 6      | 1,550.43 | 1,550.28 | 1,549.81 | 1,550.82 | 1,555.14 | 1,551.17 | 1,555.09 | 1,561.20 | 1,561.36 | 1,559.61 | 1,555.50 | 1,550.39 |
| 7      | 1,550.45 | 1,550.00 | 1,549.46 | 1,550.85 | 1,555.10 | 1,551.06 | 1,555.26 | 1,561.13 | 1,561.26 | 1,559.51 | 1,555.32 | 1,550.30 |
| 8      | 1,550.39 | 1,549.72 | 1,549.32 | 1,550.64 | 1,555.08 | 1,550.97 | 1,555.67 | 1,561.07 | 1,561.19 | 1,559.38 | 1,555.12 | 1,550.23 |
| 9      | 1,550.44 | 1,549.53 | 1,549.60 | 1,550.49 | 1,555.05 | 1,550.86 | 1,555.99 | 1,560.98 | 1,561.09 | 1,559.42 | 1,554.93 | 1,550.16 |
| 10     | 1,550.48 | 1,549.37 | 1,550.52 | 1,550.37 | 1,555.03 | 1,550.80 | 1,556.21 | 1,561.10 | 1,560.97 | 1,559.40 | 1,554.73 | 1,550.23 |
| 11     | 1,550.47 | 1,549.19 | 1,553.83 | 1,550.22 | 1,554.91 | 1,550.69 | 1,556.44 | 1,561.12 | 1,560.87 | 1,559.35 | 1,554.54 | 1,550.33 |
| 12     | 1,550.42 | 1,549.01 | 1,556.08 | 1,550.00 | 1,554.76 | 1,550.57 | 1,556.71 | 1,561.11 | 1,560.87 | 1,559.27 | 1,554.37 | 1,550.28 |
| 13     | 1,550.38 | 1,548.77 | 1,556.37 | 1,549.87 | 1,554.67 | 1,550.45 | 1,556.88 | 1,561.09 | 1,560.85 | 1,559.18 | 1,554.22 | 1,550.23 |
| 14     | 1,550.32 | 1,548.61 | 1,556.21 | 1,549.72 | 1,554.57 | 1,550.36 | 1,557.01 | 1,561.10 | 1,560.84 | 1,559.09 | 1,554.03 | 1,550.19 |
| 15     | 1,550.24 | 1,548.29 | 1,556.32 | 1,549.51 | 1,554.43 | 1,550.25 | 1,557.15 | 1,561.13 | 1,560.84 | 1,558.98 | 1,553.86 | 1,550.16 |
| 16     | 1,550.25 | 1,548.14 | 1,556.00 | 1,549.19 | 1,554.34 | 1,550.11 | 1,557.36 | 1,561.24 | 1,560.82 | 1,558.88 | 1,553.68 | 1,550.13 |
| 17     | 1,550.60 | 1,547.96 | 1,555.41 | 1,549.03 | 1,554.15 | 1,550.27 | 1,557.75 | 1,561.37 | 1,560.84 | 1,558.77 | 1,553.54 | 1,550.12 |
| 18     | 1,550.85 | 1,547.80 | 1,554.74 | 1,552.19 | 1,553.92 | 1,550.32 | 1,558.07 | 1,561.50 | 1,560.85 | 1,558.65 | 1,553.37 | 1,550.12 |
| 19     | 1,550.56 | 1,547.66 | 1,554.04 | 1,557.44 | 1,553.65 | 1,550.34 | 1,558.32 | 1,561.62 | 1,560.83 | 1,558.51 | 1,553.19 | 1,550.09 |
| 20     | 1,550.19 | 1,547.51 | 1,553.39 | 1,558.88 | 1,553.42 | 1,550.38 | 1,558.54 | 1,561.74 | 1,560.80 | 1,558.36 | 1,553.01 | 1,550.07 |
| 21     | 1,550.10 | 1,547.32 | 1,552.77 | 1,559.08 | 1,553.15 | 1,550.44 | 1,558.73 | 1,561.89 | 1,560.74 | 1,558.21 | 1,552.83 | 1,550.07 |
| 22     | 1,550.03 | 1,547.12 | 1,552.29 | 1,558.58 | 1,552.90 | 1,550.44 | 1,558.95 | 1,561.99 | 1,560.70 | 1,558.07 | 1,552.65 | 1,550.04 |
| 23     | 1,549.94 | 1,546.94 | 1,551.97 | 1,558.02 | 1,552.67 | 1,550.41 | 1,559.25 | 1,562.12 | 1,560.71 | 1,557.96 | 1,552.46 | 1,550.01 |
| 24     | 1,549.90 | 1,547.21 | 1,551.85 | 1,557.26 | 1,552.42 | 1,550.41 | 1,559.71 | 1,562.18 | 1,560.66 | 1,557.80 | 1,552.29 | 1,549.97 |
| 25     | 1,549.88 | 1,549.01 | 1,551.82 | 1,556.52 | 1,552.19 | 1,550.37 | 1,560.15 | 1,562.22 | 1,560.59 | 1,557.64 | 1,552.11 | 1,549.92 |
| 26     | 1,549.84 | 1,550.91 | 1,551.82 | 1,556.09 | 1,552.00 | 1,550.49 | 1,560.52 | 1,562.26 | 1,560.51 | 1,557.48 | 1,551.91 | 1,549.89 |
| 27     | 1,549.70 | 1,551.54 | 1,551.78 | 1,555.77 | 1,551.87 | 1,550.94 | 1,560.82 | 1,562.17 | 1,560.46 | 1,557.31 | 1,551.74 | 1,549.67 |
| 28     | 1,549.58 | 1,551.76 | 1,551.75 | 1,555.70 | 1,551.74 | 1,551.55 | 1,561.05 | 1,562.10 | 1,560.38 | 1,557.14 | 1,551.55 | 1,549.47 |
| 29     | 1,549.42 | 1,551.68 | 1,551.65 | 1,555.51 | ---      | 1,551.76 | 1,561.17 | 1,562.01 | 1,560.31 | 1,556.96 | 1,551.41 | 1,549.30 |
| 30     | 1,549.32 | 1,551.55 | 1,551.63 | 1,555.34 | ---      | 1,552.40 | 1,561.24 | 1,561.92 | 1,560.22 | 1,556.78 | 1,551.38 | 1,550.57 |
| 31     | 1,549.17 | ---      | 1,551.57 | 1,555.13 | ---      | 1,552.80 | ---      | 1,561.82 | ---      | 1,556.61 | 1,551.25 | ---      |
| MAX    | 1,550.85 | 1,551.76 | 1,556.37 | 1,559.08 | 1,555.14 | 1,552.80 | 1,561.24 | 1,562.26 | 1,561.80 | 1,560.12 | 1,556.43 | 1,551.08 |
| MIN    | 1,549.17 | 1,546.94 | 1,549.32 | 1,549.03 | 1,551.74 | 1,550.11 | 1,553.19 | 1,560.98 | 1,560.22 | 1,556.61 | 1,551.25 | 1,549.30 |
| WTR YR | 2005     | MAX      | 1,562.26 | MIN      | 1,546.94 |          |          |          |          |          |          |          |



## 12116100 CANYON CREEK NEAR CEDAR FALLS, WA

LOCATION.--Lat 47°25'11", long 121°45'55", in NW¼SE¼ sec.3, T.22 N., R.8 E., King County, Hydrologic Unit 17110012, Snoqualmie National Forest, on right bank 400 ft upstream from mouth, and 0.8 mi east of town of Cedar Falls.

DRAINAGE AREA.--0.19 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1945 to current year. Prior to October 1960 published in WSP 1932.

GAGE.--Water-stage recorder and wooden control. Elevation of gage is 1,040 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. No regulation or diversion upstream from station. Flow is mostly seepage from Chester Morse Lake.

AVERAGE DISCHARGE.--60 years (water years 1946-2005), 15.2 ft<sup>3</sup>/s, 11,010 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 131 ft<sup>3</sup>/s, Dec. 7, 1975, gage height, 2.22 ft; minimum daily discharge, 0.22 ft<sup>3</sup>/s, Nov. 6-11, 17-22, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42 ft<sup>3</sup>/s, May 24-29, gage height, 1.59 ft; minimum discharge, 3.9 ft<sup>3</sup>/s, Oct. 23-29, gage height, 0.86 ft.

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     | 12    | 4.5   | 5.0   | 9.8   | 14   | 10    | 5.4   | 28    | 39    | 29    | 21   | 13    |
| 2     | 12    | 4.8   | 5.2   | 9.6   | 15   | 10    | 5.5   | 30    | 39    | 29    | 20   | 13    |
| 3     | 11    | 4.7   | 5.4   | 9.4   | 15   | 9.6   | 5.3   | 32    | 39    | 29    | 20   | 12    |
| 4     | 11    | 4.7   | 5.6   | 9.2   | 14   | 9.4   | 5.3   | 34    | 38    | 28    | 20   | 12    |
| 5     | 10    | 5.0   | 5.6   | 9.2   | 14   | 9.2   | 5.5   | 35    | 37    | 28    | 19   | 12    |
| 6     | 10    | 5.0   | 5.6   | 8.9   | 14   | 9.2   | 5.6   | 36    | 37    | 28    | 19   | 12    |
| 7     | 9.5   | 5.0   | 5.7   | 8.8   | 14   | 9.2   | 5.8   | 37    | 36    | 28    | 19   | 12    |
| 8     | 9.1   | 5.0   | 6.5   | 8.4   | 14   | 8.8   | 6.1   | 38    | 35    | 28    | 18   | 11    |
| 9     | 8.5   | 5.3   | 6.3   | 8.4   | 14   | 8.7   | 6.3   | 38    | 35    | 28    | 18   | 11    |
| 10    | 7.9   | 5.3   | 6.8   | 8.3   | 14   | 8.4   | 6.8   | 39    | 35    | 28    | 18   | 11    |
| 11    | 7.6   | 5.3   | 7.6   | 8.0   | 14   | 8.4   | 7.6   | 39    | 34    | 27    | 17   | 10    |
| 12    | 7.1   | 5.4   | 6.3   | 7.7   | 14   | 8.1   | 8.3   | 39    | 34    | 27    | 17   | 10    |
| 13    | 6.9   | 5.4   | 6.2   | 7.9   | 13   | 8.0   | 9.0   | 39    | 33    | 27    | 16   | 9.7   |
| 14    | 6.4   | 5.6   | 6.3   | 7.6   | 13   | 7.8   | 9.7   | 39    | 32    | 27    | 16   | 9.5   |
| 15    | 6.0   | 5.6   | 6.7   | 7.6   | 13   | 7.6   | 10    | 39    | 32    | 26    | 16   | 9.0   |
| 16    | 5.7   | 5.6   | 7.3   | 7.3   | 13   | 7.6   | 11    | 40    | 32    | 26    | 16   | 8.7   |
| 17    | 5.6   | 5.4   | 7.9   | 7.8   | 13   | 7.6   | 12    | 40    | 31    | 25    | 15   | 8.4   |
| 18    | 5.2   | 5.6   | 8.5   | 10    | 12   | 7.4   | 13    | 40    | 31    | 25    | 15   | 8.0   |
| 19    | 4.9   | 5.4   | 9.2   | 7.8   | 12   | 7.2   | 13    | 40    | 31    | 25    | 15   | 7.6   |
| 20    | 4.5   | 5.4   | 9.5   | 7.1   | 12   | 7.0   | 14    | 40    | 31    | 25    | 15   | 7.2   |
| 21    | 4.3   | 5.3   | 9.7   | 7.1   | 12   | 6.9   | 15    | 40    | 31    | 25    | 15   | 7.0   |
| 22    | 4.2   | 5.3   | 10    | 7.4   | 11   | 6.8   | 16    | 40    | 31    | 24    | 15   | 6.7   |
| 23    | 4.1   | 5.1   | 10    | 8.1   | 11   | 6.5   | 17    | 41    | 30    | 24    | 15   | 6.5   |
| 24    | 3.9   | 5.6   | 10    | 9.4   | 11   | 6.2   | 18    | 41    | 30    | 24    | 14   | 6.3   |
| 25    | 3.9   | 5.6   | 10    | 11    | 11   | 6.2   | 18    | 42    | 30    | 23    | 14   | 6.2   |
| 26    | 3.9   | 5.1   | 10    | 12    | 11   | 6.3   | 20    | 41    | 30    | 23    | 14   | 5.9   |
| 27    | 3.9   | 5.0   | 10    | 12    | 10   | 7.3   | 21    | 42    | 30    | 23    | 13   | 5.6   |
| 28    | 3.9   | 5.0   | 10    | 13    | 10   | 6.7   | 22    | 41    | 29    | 22    | 13   | 5.3   |
| 29    | 4.2   | 5.0   | 10    | 13    | ---  | 6.2   | 24    | 42    | 29    | 22    | 13   | 5.0   |
| 30    | 4.3   | 5.0   | 10    | 14    | ---  | 6.0   | 26    | 41    | 29    | 21    | 13   | 5.1   |
| 31    | 4.5   | ---   | 10    | 14    | ---  | 5.5   | ---   | 40    | ---   | 21    | 13   | ---   |
| TOTAL | 206.0 | 156.0 | 242.9 | 289.8 | 358  | 239.8 | 362.2 | 1,193 | 990   | 795   | 502  | 266.7 |
| MEAN  | 6.65  | 5.20  | 7.84  | 9.35  | 12.8 | 7.74  | 12.1  | 38.5  | 33.0  | 25.6  | 16.2 | 8.89  |
| MAX   | 12    | 5.6   | 10    | 14    | 15   | 10    | 26    | 42    | 39    | 29    | 21   | 13    |
| MIN   | 3.9   | 4.5   | 5.0   | 7.1   | 10   | 5.5   | 5.3   | 28    | 29    | 21    | 13   | 5.0   |
| AC-FT | 409   | 309   | 482   | 575   | 710  | 476   | 718   | 2,370 | 1,960 | 1,580 | 996  | 529   |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 3.09   | 7.65   | 16.0   | 15.2   | 14.9   | 12.7   | 13.2   | 23.0   | 33.1   | 24.6   | 13.4   | 5.51   |
| MAX  | 22.6   | 67.3   | 58.6   | 51.5   | 65.6   | 47.7   | 53.8   | 51.6   | 73.1   | 63.9   | 39.8   | 18.5   |
| (WY) | (1960) | (1948) | (1976) | (1954) | (1953) | (1950) | (1988) | (1988) | (1946) | (1955) | (1955) | (1955) |
| MIN  | 0.32   | 0.23   | 0.46   | 0.63   | 0.38   | 0.41   | 4.31   | 3.65   | 9.80   | 5.74   | 1.55   | 0.53   |
| (WY) | (1988) | (1988) | (1953) | (2001) | (2001) | (2001) | (1956) | (1999) | (1963) | (1978) | (1987) | (1978) |

## SUMMARY STATISTICS

## FOR 2004 CALENDAR YEAR

## FOR 2005 WATER YEAR

## WATER YEARS 1945 - 2005

|                          |         |         |        |        |
|--------------------------|---------|---------|--------|--------|
| ANNUAL TOTAL             | 6,421.8 | 5,601.4 |        |        |
| ANNUAL MEAN              | 17.5    | 15.3    | 15.2   |        |
| HIGHEST ANNUAL MEAN      |         |         | 29.3   | 1950   |
| LOWEST ANNUAL MEAN       |         |         | 6.25   | 1977   |
| HIGHEST DAILY MEAN       | 99      | Jun 21  | 42     | May 25 |
| LOWEST DAILY MEAN        | 3.9     | Oct 24  | 3.9    | Oct 24 |
| ANNUAL SEVEN-DAY MINIMUM | 4.0     | Oct 22  | 4.0    | Oct 22 |
| ANNUAL RUNOFF (AC-FT)    | 12,740  |         | 11,110 | 11,010 |
| 10 PERCENT EXCEEDS       | 42      |         | 35     | 35     |
| 50 PERCENT EXCEEDS       | 11      |         | 11     | 11     |
| 90 PERCENT EXCEEDS       | 5.0     |         | 5.3    | 1.6    |

12116400 CEDAR RIVER AT POWERPLANT, AT CEDAR FALLS, WA

LOCATION.--Lat 47°25'08", long 121°46'49", in SE¼ sec.4, T.22 N., R.8 E., King County, Hydrologic Unit 17110012, on right bank 100 ft upstream from Seattle Municipal Powerplant at town of Cedar Falls, and at mile 33.7.

DRAINAGE AREA.--83.9 mi<sup>2</sup>, includes 78.4 mi<sup>2</sup> upstream from Cedar Lake which is non-contributing except during spillage and seepage from dam.

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder, crest-stage gage and concrete weir. Datum of gage is 900.00 ft above NGVD of 1929 (City of Seattle benchmark).

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Chester Morse Lake (station 12115900) and Cedar Lake (station 12116060) to supply powerplant, which discharges below gage. Entire flow of river normally diverted at Cedar Lake except for infrequent releases. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--4 years (water years 2002-05) 89.0 ft<sup>3</sup>/s, 64,440 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 950 ft<sup>3</sup>/s, Feb. 3, 2003, gage height 34.80 ft; minimum discharge, 3.0 ft<sup>3</sup>/s, Aug. 28, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 740 ft<sup>3</sup>/s, Jan. 21, gage height, 34.48 ft; minimum discharge, 27 ft<sup>3</sup>/s, Sept. 15, 17, 20, gage height, 31.31 ft.

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     | 38    | 36    | 39    | 37    | 42    | 40    | 37    | 39    | 49    | 36    | 33    | 40    |
| 2     | 37    | 44    | 35    | 36    | 42    | 40    | 38    | 41    | 48    | 36    | 33    | 39    |
| 3     | 36    | 37    | 36    | 36    | 41    | 39    | 36    | 42    | 47    | 36    | 33    | 38    |
| 4     | 108   | 35    | 39    | 36    | 43    | 39    | 35    | 43    | 46    | 35    | 36    | 37    |
| 5     | 217   | 34    | 39    | 35    | 43    | 39    | 35    | 43    | 46    | 37    | 38    | 39    |
| 6     | 221   | 33    | 38    | 37    | 42    | 39    | 35    | 44    | 46    | 49    | 38    | 44    |
| 7     | 205   | 34    | 41    | 38    | 41    | 38    | 36    | 44    | 45    | 45    | 37    | 44    |
| 8     | 167   | 35    | 50    | 37    | 40    | 38    | 36    | 44    | 45    | 46    | 36    | 43    |
| 9     | 144   | 72    | 38    | 37    | 40    | 38    | 35    | 45    | 44    | 51    | 36    | 44    |
| 10    | 143   | 37    | 71    | 37    | 40    | 38    | 35    | 49    | 44    | 49    | 35    | 46    |
| 11    | 142   | 35    | 125   | 36    | 39    | 38    | 46    | 48    | 44    | 47    | 36    | 44    |
| 12    | 147   | 35    | 59    | 36    | 39    | 37    | 37    | 47    | 45    | 44    | 35    | 44    |
| 13    | 157   | 35    | 83    | 36    | 39    | 37    | 36    | 47    | 45    | 41    | 34    | 43    |
| 14    | 169   | 34    | 76    | 36    | 38    | 37    | 35    | 46    | 45    | 39    | 35    | 38    |
| 15    | 167   | 34    | 191   | 37    | 38    | 37    | 35    | 50    | 44    | 39    | 34    | 31    |
| 16    | 173   | 52    | 354   | 37    | 38    | 38    | 46    | 55    | 43    | 38    | 35    | 30    |
| 17    | 155   | 34    | 361   | 58    | 37    | 37    | 50    | 55    | 44    | 37    | 35    | 31    |
| 18    | 112   | 37    | 359   | 181   | 37    | 36    | 47    | 54    | 42    | 36    | 45    | 31    |
| 19    | 112   | 35    | 357   | 164   | 36    | 36    | 44    | 52    | 41    | 36    | 45    | 29    |
| 20    | 127   | 35    | 321   | 330   | 36    | 37    | 42    | 51    | 40    | 35    | 45    | 32    |
| 21    | 118   | 34    | 129   | 514   | 36    | 37    | 41    | 51    | 40    | 35    | 45    | 55    |
| 22    | 54    | 34    | 46    | 596   | 35    | 36    | 41    | 51    | 41    | 35    | 44    | 70    |
| 23    | 38    | 35    | 40    | 566   | 35    | 35    | 37    | 50    | 41    | 35    | 44    | 57    |
| 24    | 37    | 63    | 39    | 572   | 35    | 34    | 38    | 50    | 41    | 34    | 43    | 35    |
| 25    | 36    | 75    | 39    | 245   | 40    | 34    | 37    | 50    | 40    | 34    | 43    | 35    |
| 26    | 35    | 52    | 39    | 44    | 40    | 41    | 37    | 50    | 40    | 33    | 43    | 34    |
| 27    | 34    | 35    | 38    | 42    | 40    | 67    | 37    | 50    | 39    | 34    | 43    | 34    |
| 28    | 34    | 128   | 38    | 41    | 40    | 73    | 37    | 50    | 39    | 34    | 43    | 34    |
| 29    | 34    | 126   | 38    | 41    | ---   | 66    | 38    | 49    | 38    | 34    | 44    | 37    |
| 30    | 34    | 118   | 38    | 43    | ---   | 55    | 38    | 49    | 37    | 33    | 42    | 59    |
| 31    | 35    | ---   | 37    | 43    | ---   | 48    | ---   | 49    | ---   | 33    | 41    | ---   |
| TOTAL | 3,266 | 1,463 | 3,233 | 4,064 | 1,092 | 1,284 | 1,157 | 1,488 | 1,289 | 1,186 | 1,209 | 1,217 |
| MEAN  | 105   | 48.8  | 104   | 131   | 39.0  | 41.4  | 38.6  | 48.0  | 43.0  | 38.3  | 39.0  | 40.6  |
| MAX   | 221   | 128   | 361   | 596   | 43    | 73    | 50    | 55    | 49    | 51    | 45    | 70    |
| MIN   | 34    | 33    | 35    | 35    | 35    | 34    | 35    | 39    | 37    | 33    | 33    | 29    |
| AC-FT | 6,480 | 2,900 | 6,410 | 8,060 | 2,170 | 2,550 | 2,290 | 2,950 | 2,560 | 2,350 | 2,400 | 2,410 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

|      | 2002   | 2003   | 2004   | 2005   | 2002   | 2003   | 2004   | 2005   | 2002   | 2003   | 2004   | 2005   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 101    | 122    | 127    | 118    | 131    | 83.9   | 85.0   | 38.4   | 123    | 58.2   | 32.4   | 52.2   |
| MAX  | 230    | 172    | 166    | 192    | 372    | 210    | 152    | 48.0   | 352    | 96.6   | 45.0   | 71.4   |
| (WY) | (2003) | (2003) | (2003) | (2003) | (2003) | (2003) | (2002) | (2005) | (2002) | (2002) | (2004) | (2002) |
| MIN  | 16.9   | 48.8   | 104    | 69.6   | 27.8   | 22.1   | 38.6   | 29.2   | 31.4   | 38.3   | 11.4   | 38.4   |
| (WY) | (2002) | (2005) | (2005) | (2004) | (2002) | (2002) | (2005) | (2002) | (2003) | (2005) | (2003) | (2004) |

SUMMARY STATISTICS

|                          | FOR 2004 CALENDAR YEAR | FOR 2005 WATER YEAR | WATER YEARS 2002 - 2005 |
|--------------------------|------------------------|---------------------|-------------------------|
| ANNUAL TOTAL             | 23,002                 | 21,948              |                         |
| ANNUAL MEAN              | 62.8                   | 60.1                | 89.0                    |
| HIGHEST ANNUAL MEAN      |                        |                     | 135                     |
| LOWEST ANNUAL MEAN       |                        |                     | 60.1                    |
| HIGHEST DAILY MEAN       | 361                    | 596                 | 864                     |
| LOWEST DAILY MEAN        | 33                     | 29                  | 3.4                     |
| ANNUAL SEVEN-DAY MINIMUM | 35                     | 32                  | 4.1                     |
| ANNUAL RUNOFF (AC-FT)    | 45,620                 | 43,530              | 64,440                  |
| 10 PERCENT EXCEEDS       | 112                    | 110                 | 213                     |
| 50 PERCENT EXCEEDS       | 45                     | 39                  | 43                      |
| 90 PERCENT EXCEEDS       | 36                     | 35                  | 22                      |



## 12116500 CEDAR RIVER AT CEDAR FALLS, WA

LOCATION.--Lat 47°25'02", long 121°47'27", in SW¼SE¼ sec.4, T.22 N., R.8 E., King County, Hydrologic Unit 17110012, Snoqualmie National Forest, on right bank 0.5 mi downstream from Seattle municipal powerplant at town of Cedar Falls, 4.0 mi downstream from Chester Morse Lake, and at mile 33.2.

DRAINAGE AREA.--84.2 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1914 to current year.

REVISED RECORDS.--WSP 722: 1930. WSP 1286: 1934(M), drainage area. WDR-WA-96-1: 1991(M).

GAGE.--Water-stage recorder. Datum of gage is 902.1 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. All diversions are returned to river upstream from station. Flow regulated by Chester Morse Lake (station 12115900) and Cedar Lake (station 12116060). U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--91 years (water years 1915-2005), 317 ft<sup>3</sup>/s, 230,000 acre-ft/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,120 ft<sup>3</sup>/s, Nov. 24, 1990, gage height, 14.00 ft, from flood mark, from rating curve extended above 5,000 ft<sup>3</sup>/s; no flow part or all of each day Nov. 25, 1917, Aug. 18, 1923, Sept. 30 to Oct. 5, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,370 ft<sup>3</sup>/s, Jan. 21, gage height, 7.92 ft; minimum discharge, 25 ft<sup>3</sup>/s, Sept. 15, 17, 20, gage height, 5.13 ft.

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     | 309    | 214    | 493    | 169    | 219   | 84    | 36    | 81    | 96    | 37    | 55    | 37    |
| 2     | 263    | 207    | 548    | 171    | 106   | 83    | 37    | 82    | 96    | 37    | 55    | 35    |
| 3     | 248    | 289    | 523    | 169    | 87    | 84    | 35    | 81    | 95    | 36    | 54    | 35    |
| 4     | 267    | 432    | 476    | 168    | 85    | 84    | 35    | 80    | 94    | 35    | 58    | 34    |
| 5     | 255    | 525    | 475    | 164    | 86    | 82    | 33    | 79    | 92    | 49    | 61    | 35    |
| 6     | 249    | 523    | 474    | 152    | 88    | 80    | 33    | 82    | 90    | 73    | 60    | 40    |
| 7     | 232    | 488    | 444    | 151    | 85    | 80    | 40    | 80    | 89    | 70    | 58    | 40    |
| 8     | 194    | 291    | 307    | 150    | 83    | 79    | 57    | 80    | 89    | 71    | 57    | 40    |
| 9     | 171    | 249    | 287    | 150    | 82    | 78    | 56    | 82    | 87    | 75    | 57    | 40    |
| 10    | 168    | 246    | 180    | 151    | 121   | 78    | 55    | 87    | 86    | 73    | 57    | 43    |
| 11    | 168    | 252    | 256    | 163    | 156   | 78    | 66    | 85    | 89    | 71    | 49    | 41    |
| 12    | 172    | 252    | 527    | 189    | 156   | 79    | 58    | 85    | 90    | 68    | 33    | 40    |
| 13    | 182    | 251    | 749    | 189    | 156   | 81    | 54    | 48    | 89    | 65    | 32    | 40    |
| 14    | 194    | 251    | 746    | 215    | 157   | 80    | 35    | 45    | 88    | 64    | 32    | 36    |
| 15    | 193    | 251    | 855    | 252    | 156   | 78    | 34    | 48    | 88    | 62    | 32    | 28    |
| 16    | 199    | 253    | 1,020  | 254    | 155   | 78    | 44    | 55    | 63    | 61    | 32    | 27    |
| 17    | 183    | 243    | 1,030  | 219    | 191   | 101   | 49    | 55    | 44    | 61    | 32    | 27    |
| 18    | 138    | 235    | 1,020  | 218    | 232   | 121   | 46    | 54    | 42    | 60    | 40    | 27    |
| 19    | 138    | 233    | 1,020  | 301    | 233   | 122   | 42    | 51    | 42    | 59    | 42    | 26    |
| 20    | 155    | 234    | 983    | 744    | 233   | 124   | 41    | 50    | 41    | 58    | 42    | 32    |
| 21    | 169    | 233    | 793    | 1,170  | 233   | 157   | 40    | 49    | 40    | 58    | 42    | 60    |
| 22    | 167    | 232    | 607    | 1,240  | 228   | 183   | 40    | 49    | 41    | 58    | 40    | 82    |
| 23    | 154    | 232    | 408    | 1,210  | 192   | 184   | 35    | 49    | 41    | 57    | 40    | 111   |
| 24    | 153    | 194    | 242    | 1,220  | 192   | 184   | 37    | 49    | 40    | 56    | 40    | 114   |
| 25    | 158    | 191    | 227    | 905    | 196   | 186   | 36    | 48    | 40    | 55    | 40    | 113   |
| 26    | 168    | 297    | 226    | 651    | 145   | 189   | 36    | 60    | 40    | 55    | 40    | 111   |
| 27    | 180    | 364    | 215    | 394    | 83    | 112   | 50    | 81    | 40    | 57    | 39    | 153   |
| 28    | 211    | 441    | 181    | 351    | 82    | 118   | 77    | 81    | 39    | 57    | 39    | 186   |
| 29    | 212    | 439    | 187    | 351    | ---   | 112   | 79    | 81    | 37    | 57    | 40    | 164   |
| 30    | 212    | 450    | 186    | 353    | ---   | 99    | 80    | 80    | 37    | 55    | 39    | 120   |
| 31    | 214    | ---    | 174    | 329    | ---   | 48    | ---   | 88    | ---   | 55    | 37    | ---   |
| TOTAL | 6,076  | 8,992  | 15,859 | 12,513 | 4,218 | 3,326 | 1,396 | 2,105 | 1,985 | 1,805 | 1,374 | 1,917 |
| MEAN  | 196    | 300    | 512    | 404    | 151   | 107   | 46.5  | 67.9  | 66.2  | 58.2  | 44.3  | 63.9  |
| MAX   | 309    | 525    | 1,030  | 1,240  | 233   | 189   | 80    | 88    | 96    | 75    | 61    | 186   |
| MIN   | 138    | 191    | 174    | 150    | 82    | 48    | 33    | 45    | 37    | 35    | 32    | 26    |
| AC-FT | 12,050 | 17,840 | 31,460 | 24,820 | 8,370 | 6,600 | 2,770 | 4,180 | 3,940 | 3,580 | 2,730 | 3,800 |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 166    | 351    | 523    | 490    | 422    | 354    | 357    | 382    | 377    | 184    | 110    | 103    |
| MAX  | 547    | 1,780  | 2,197  | 1,393  | 1,256  | 1,324  | 767    | 868    | 1,419  | 814    | 424    | 324    |
| (WY) | (1960) | (1991) | (1918) | (1918) | (1982) | (1972) | (2002) | (1997) | (1917) | (1917) | (1954) | (1959) |
| MIN  | 34.7   | 24.9   | 47.7   | 133    | 95.0   | 89.0   | 46.5   | 59.5   | 46.3   | 24.5   | 20.2   | 28.3   |
| (WY) | (1953) | (1953) | (1953) | (1952) | (1988) | (1941) | (2005) | (1992) | (1963) | (1926) | (2001) | (1957) |

## LAKE WASHINGTON BASIN

12116500 CEDAR RIVER AT CEDAR FALLS, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1914 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 86,814                 |        | 61,566              |        |                         |              |
| ANNUAL MEAN              | 237                    |        | 169                 |        | 317                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 567                     | 1918         |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 93.0                    | 1941         |
| HIGHEST DAILY MEAN       | 1,030                  | Dec 17 | 1,240               | Jan 22 | 7,440                   | Nov 25, 1990 |
| LOWEST DAILY MEAN        | 34                     | Jul 12 | 26                  | Sep 19 | 0.00                    | Sep 30, 1987 |
| ANNUAL SEVEN-DAY MINIMUM | 36                     | Jul 16 | 29                  | Sep 14 | 0.04                    | Sep 29, 1987 |
| ANNUAL RUNOFF (AC-FT)    | 172,200                |        | 122,100             |        | 230,000                 |              |
| 10 PERCENT EXCEEDS       | 504                    |        | 352                 |        | 692                     |              |
| 50 PERCENT EXCEEDS       | 191                    |        | 86                  |        | 224                     |              |
| 90 PERCENT EXCEEDS       | 38                     |        | 37                  |        | 60                      |              |

12116500 CEDAR RIVER AT CEDAR FALLS, WA—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1999 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 1999 to current year.

REMARKS.--Records rated excellent.

INSTRUMENTATION.--Temperature recorder since March, 1999.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 21.6°C, Aug. 4, 2003; minimum, 0.5°C, Jan. 7, 2004.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 19.0°C, Aug. 8; minimum, 1.1°C, Jan. 15.

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | OCTOBER |      |      | NOVEMBER |     |      | DECEMBER |     |      | JANUARY |     |      |
|-------|---------|------|------|----------|-----|------|----------|-----|------|---------|-----|------|
|       | MAX     | MIN  | MEAN | MAX      | MIN | MEAN | MAX      | MIN | MEAN | MAX     | MIN | MEAN |
| 1     | 14.2    | 13.7 | 13.9 | 8.7      | 8.4 | 8.5  | 6.1      | 6.0 | 6.1  | 4.7     | 4.5 | 4.6  |
| 2     | 14.0    | 13.6 | 13.8 | 8.8      | 8.2 | 8.5  | 6.1      | 6.0 | 6.1  | 4.5     | 4.1 | 4.3  |
| 3     | 14.0    | 13.5 | 13.7 | 8.2      | 7.9 | 8.1  | 6.2      | 6.1 | 6.1  | 4.1     | 3.7 | 3.9  |
| 4     | 14.2    | 13.5 | 13.7 | 7.9      | 7.7 | 7.8  | 6.2      | 6.1 | 6.2  | 3.7     | 3.2 | 3.5  |
| 5     | 14.1    | 13.5 | 13.8 | 7.8      | 7.5 | 7.7  | 6.2      | 6.0 | 6.0  | 3.2     | 2.9 | 3.0  |
| 6     | 14.2    | 13.6 | 13.9 | 7.7      | 7.5 | 7.6  | 6.0      | 5.7 | 5.9  | 3.2     | 2.9 | 3.0  |
| 7     | 14.1    | 13.5 | 13.8 | 7.8      | 7.6 | 7.7  | 5.7      | 5.5 | 5.6  | 3.2     | 2.6 | 2.8  |
| 8     | 14.0    | 13.5 | 13.7 | 7.9      | 7.7 | 7.8  | 5.8      | 5.5 | 5.6  | 2.8     | 2.6 | 2.7  |
| 9     | 13.5    | 13.2 | 13.3 | 8.2      | 7.8 | 7.9  | 5.8      | 5.5 | 5.6  | 2.7     | 2.4 | 2.6  |
| 10    | 13.5    | 12.9 | 13.2 | 7.9      | 7.7 | 7.8  | 7.0      | 5.8 | 6.7  | 2.5     | 2.2 | 2.4  |
| 11    | 13.4    | 12.7 | 13.0 | 7.7      | 7.6 | 7.7  | 7.1      | 5.6 | 6.1  | 2.2     | 1.9 | 2.1  |
| 12    | 13.4    | 12.8 | 13.1 | 7.8      | 7.5 | 7.7  | 5.7      | 5.4 | 5.5  | 2.5     | 2.2 | 2.4  |
| 13    | 13.6    | 12.9 | 13.1 | 7.9      | 7.7 | 7.7  | 5.6      | 5.2 | 5.3  | 2.4     | 2.3 | 2.4  |
| 14    | 13.7    | 13.0 | 13.2 | 7.7      | 7.6 | 7.6  | 5.3      | 5.2 | 5.3  | 2.4     | 1.6 | 1.9  |
| 15    | 13.5    | 13.2 | 13.4 | 7.7      | 7.5 | 7.6  | 5.5      | 5.2 | 5.3  | 1.6     | 1.1 | 1.4  |
| 16    | 13.2    | 12.8 | 13.1 | 8.0      | 7.5 | 7.6  | 5.5      | 5.4 | 5.5  | 1.4     | 1.2 | 1.3  |
| 17    | 12.9    | 11.8 | 12.6 | 7.5      | 7.2 | 7.3  | 5.6      | 5.4 | 5.5  | 4.4     | 1.4 | 2.0  |
| 18    | 11.8    | 11.5 | 11.7 | 7.3      | 7.2 | 7.3  | 5.7      | 5.6 | 5.7  | 6.5     | 4.4 | 5.8  |
| 19    | 11.6    | 11.3 | 11.5 | 7.3      | 6.9 | 7.1  | 5.8      | 5.6 | 5.7  | 6.4     | 3.3 | 5.0  |
| 20    | 11.4    | 10.9 | 11.2 | 6.9      | 6.7 | 6.8  | 5.6      | 5.4 | 5.5  | 3.4     | 3.1 | 3.2  |
| 21    | 11.2    | 10.8 | 11.0 | 6.8      | 6.6 | 6.7  | 5.4      | 5.3 | 5.3  | 3.7     | 3.3 | 3.5  |
| 22    | 11.2    | 10.7 | 11.0 | 6.8      | 6.7 | 6.8  | 5.3      | 5.2 | 5.3  | 3.9     | 3.7 | 3.8  |
| 23    | 10.7    | 10.4 | 10.6 | 7.1      | 6.8 | 6.9  | 5.2      | 5.0 | 5.1  | 4.0     | 3.8 | 3.9  |
| 24    | 10.4    | 10.2 | 10.3 | 7.6      | 7.1 | 7.4  | 5.3      | 5.0 | 5.1  | 3.9     | 3.8 | 3.8  |
| 25    | 10.2    | 9.8  | 10.0 | 7.7      | 6.7 | 7.2  | 5.4      | 5.3 | 5.3  | 3.9     | 3.7 | 3.8  |
| 26    | 10.0    | 9.6  | 9.8  | 6.9      | 6.6 | 6.8  | 5.3      | 5.2 | 5.3  | 3.9     | 3.7 | 3.8  |
| 27    | 9.6     | 9.2  | 9.4  | 6.8      | 6.6 | 6.7  | 5.2      | 5.1 | 5.1  | 4.2     | 3.9 | 4.0  |
| 28    | 9.2     | 9.1  | 9.1  | 6.8      | 6.3 | 6.5  | 5.2      | 5.0 | 5.1  | 4.2     | 4.0 | 4.1  |
| 29    | 9.3     | 9.1  | 9.2  | 6.3      | 6.1 | 6.2  | 5.2      | 5.0 | 5.1  | 4.2     | 4.1 | 4.1  |
| 30    | 9.2     | 8.9  | 9.1  | 6.3      | 6.1 | 6.2  | 5.0      | 4.9 | 5.0  | 4.2     | 4.1 | 4.2  |
| 31    | 9.0     | 8.6  | 8.8  | ---      | --- | ---  | 4.9      | 4.7 | 4.8  | 4.4     | 4.2 | 4.3  |
| MONTH | 14.2    | 8.6  | 12.0 | 8.8      | 6.1 | 7.4  | 7.1      | 4.7 | 5.5  | 6.5     | 1.1 | 3.3  |



12117000 TAYLOR CREEK NEAR SELLECK, WA

LOCATION.--Lat 47°23'12", long 121°50'42", in NW¼NW¼ sec.19, T.22 N., R.8 E., King County, Hydrologic Unit 17110012, Snoqualmie National Forest, on left bank 0.6 mi upstream from mouth, and 1.3 mi northeast of Selleck.

DRAINAGE AREA.--17.2 mi<sup>2</sup>.

PERIOD OF RECORD.--June to October 1945, August 1956 to current year.

REVISED RECORDS.--WSP 1932: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 940 ft above NGVD of 1929, from topographic map. June to October 1945 on right bank 350 ft downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--49 years (water years 1957-2005), 96.0 ft<sup>3</sup>/s, 75.82 in/yr, 69,540 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,130 ft<sup>3</sup>/s, Feb. 8, 1996, gage height, 5.53 ft, from rating curve extended above 900 ft<sup>3</sup>/s; minimum discharge, 15 ft<sup>3</sup>/s, Oct. 3, 4, 7-14, 1979, Oct. 28-31, Nov. 3-10, 1987.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 450 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) | Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) |
|--------|------|--------------------------------|------------------|--------|------|--------------------------------|------------------|
| Dec 11 | 0400 | 878                            | 4.09             | Jan 18 | 0515 | *997                           | *4.21            |

Minimum discharge, 19 ft<sup>3</sup>/s, Sept. 28, 29, gage height, 1.98 ft.

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     | 40    | 51    | 95    | 80    | 81    | 48    | 114   | 60    | 52    | 45    | 33    | 24    |
| 2     | 38    | 145   | 86    | 76    | 78    | 46    | 110   | 59    | 62    | 45    | 33    | 24    |
| 3     | 37    | 108   | 82    | 74    | 76    | 45    | 105   | 58    | 60    | 44    | 32    | 24    |
| 4     | 36    | 87    | 82    | 72    | 89    | 44    | 99    | 57    | 55    | 43    | 31    | 25    |
| 5     | 35    | 76    | 85    | 70    | 81    | 43    | 87    | 56    | 55    | 40    | 31    | 29    |
| 6     | 42    | 69    | 77    | 72    | 78    | 42    | 82    | 54    | 54    | 73    | 30    | 24    |
| 7     | 37    | 63    | 90    | 70    | 74    | 41    | 86    | 52    | 53    | 53    | 30    | 23    |
| 8     | 52    | 58    | 168   | 68    | 71    | 40    | 86    | 51    | 60    | 64    | 30    | 23    |
| 9     | 55    | 55    | 164   | 66    | 70    | 40    | 78    | 56    | 53    | 83    | 29    | 23    |
| 10    | 44    | 53    | 344   | 65    | 69    | 39    | 73    | 81    | 50    | 69    | 29    | 53    |
| 11    | 40    | 51    | 590   | 62    | 67    | 38    | 94    | 67    | 60    | 62    | 29    | 30    |
| 12    | 38    | 49    | 279   | 61    | 68    | 37    | 81    | 61    | 71    | 59    | 29    | 25    |
| 13    | 36    | 48    | 190   | 59    | 66    | 37    | 76    | 58    | 68    | 57    | 29    | 24    |
| 14    | 35    | 46    | 188   | 58    | 65    | 36    | 73    | 60    | 64    | 54    | 28    | 23    |
| 15    | 34    | 50    | 168   | 56    | 63    | 36    | 77    | 73    | 62    | 51    | 28    | 23    |
| 16    | 81    | 53    | 151   | 61    | 60    | 41    | 140   | 83    | 57    | 52    | 27    | 23    |
| 17    | 122   | 51    | 139   | 199   | 59    | 39    | 125   | 79    | 70    | 49    | 29    | 22    |
| 18    | 99    | 72    | 129   | 760   | 58    | 37    | 110   | 78    | 59    | 46    | 27    | 22    |
| 19    | 80    | 58    | 121   | 366   | 57    | 39    | 97    | 73    | 55    | 45    | 25    | 21    |
| 20    | 68    | 52    | 115   | 231   | 55    | 41    | 90    | 72    | 53    | 44    | 25    | 21    |
| 21    | 61    | 50    | 110   | 182   | 54    | 43    | 83    | 74    | 50    | 42    | 25    | 20    |
| 22    | 58    | 53    | 104   | 153   | 53    | 38    | 79    | 74    | 59    | 45    | 25    | 20    |
| 23    | 55    | 56    | 98    | 139   | 51    | 36    | 78    | 67    | 59    | 43    | 25    | 20    |
| 24    | 54    | 187   | 95    | 122   | 50    | 35    | 83    | 62    | 53    | 40    | 24    | 20    |
| 25    | 51    | 290   | 95    | 111   | 49    | 34    | 75    | 59    | 51    | 39    | 24    | 20    |
| 26    | 48    | 184   | 96    | 103   | 48    | 91    | 70    | 55    | 50    | 38    | 23    | 20    |
| 27    | 47    | 141   | 89    | 101   | 47    | 151   | 68    | 53    | 53    | 37    | 23    | 20    |
| 28    | 47    | 113   | 86    | 94    | 48    | 140   | 65    | 50    | 52    | 37    | 23    | 19    |
| 29    | 46    | 98    | 90    | 90    | ---   | 139   | 66    | 49    | 49    | 36    | 28    | 52    |
| 30    | 49    | 99    | 87    | 86    | ---   | 120   | 65    | 49    | 47    | 35    | 45    | 165   |
| 31    | 46    | ---   | 84    | 86    | ---   | 93    | ---   | 51    | ---   | 34    | 26    | ---   |
| TOTAL | 1,611 | 2,566 | 4,377 | 3,893 | 1,785 | 1,729 | 2,615 | 1,931 | 1,696 | 1,504 | 875   | 882   |
| MEAN  | 52.0  | 85.5  | 141   | 126   | 63.8  | 55.8  | 87.2  | 62.3  | 56.5  | 48.5  | 28.2  | 29.4  |
| MAX   | 122   | 290   | 590   | 760   | 89    | 151   | 140   | 83    | 71    | 83    | 45    | 165   |
| MIN   | 34    | 46    | 77    | 56    | 47    | 34    | 65    | 49    | 47    | 34    | 23    | 19    |
| AC-FT | 3,200 | 5,090 | 8,680 | 7,720 | 3,540 | 3,430 | 5,190 | 3,830 | 3,360 | 2,980 | 1,740 | 1,750 |
| CFSM  | 3.02  | 4.97  | 8.21  | 7.30  | 3.71  | 3.24  | 5.07  | 3.62  | 3.29  | 2.82  | 1.64  | 1.71  |
| IN.   | 3.48  | 5.55  | 9.47  | 8.42  | 3.86  | 3.74  | 5.66  | 4.18  | 3.67  | 3.25  | 1.89  | 1.91  |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 47.7   | 111    | 149    | 165    | 149    | 125    | 121    | 99.7   | 74.4   | 47.6   | 31.9   | 33.5   |
| MAX  | 132    | 317    | 291    | 285    | 337    | 313    | 193    | 158    | 171    | 91.3   | 56.3   | 128    |
| (WY) | (1960) | (1991) | (1976) | (1997) | (1996) | (1972) | (2002) | (1971) | (1964) | (1993) | (1968) | (1959) |
| MIN  | 16.5   | 21.0   | 41.1   | 62.3   | 55.2   | 55.8   | 59.3   | 52.5   | 34.4   | 25.6   | 19.6   | 17.9   |
| (WY) | (1988) | (1988) | (2003) | (1988) | (1977) | (2005) | (2004) | (1992) | (1992) | (1958) | (1958) | (1998) |

## LAKE WASHINGTON BASIN

12117000 TAYLOR CREEK NEAR SELLECK, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1956 - 2005 |             |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|-------------|
| ANNUAL TOTAL             | 30,586                 |        | 25,464              |        | 96.0                    |             |
| ANNUAL MEAN              | 83.6                   |        | 69.8                |        | 141                     |             |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1972                    |             |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1977                    |             |
| HIGHEST DAILY MEAN       | 654                    | Jan 29 | 760                 | Jan 18 | 2,190                   | Feb 8, 1996 |
| LOWEST DAILY MEAN        | 23                     | Aug 18 | 19                  | Sep 28 | 15                      | Oct 3, 1979 |
| ANNUAL SEVEN-DAY MINIMUM | 23                     | Aug 15 | 20                  | Sep 22 | 15                      | Oct 7, 1979 |
| ANNUAL RUNOFF (AC-FT)    | 60,670                 |        | 50,510              |        | 69,540                  |             |
| ANNUAL RUNOFF (CFSM)     | 4.86                   |        | 4.06                |        | 5.58                    |             |
| ANNUAL RUNOFF (INCHES)   | 66.15                  |        | 55.07               |        | 75.82                   |             |
| 10 PERCENT EXCEEDS       | 145                    |        | 112                 |        | 181                     |             |
| 50 PERCENT EXCEEDS       | 64                     |        | 56                  |        | 76                      |             |
| 90 PERCENT EXCEEDS       | 34                     |        | 27                  |        | 25                      |             |

12117000 TAYLOR CREEK NEAR SELLECK, WA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1997, August 2005 (discontinued).

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

| Date      | Time | Agency collecting sample, code (00027) | Agency analyzing sample, code (00028) | Altitude of land surface feet (72000) | Gage height, feet (00065) | Instantaneous discharge, cfs (00061) | Drainage area, mi <sup>2</sup> (81024) | Sampling depth, meters (00098) | Sampling method, code (82398) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | pH, water, unfltrd field, std units (00400) | Specif. conductance, wat unfiltered, uS/cm 25 degC (00095) |
|-----------|------|--|---------------------------------------|---------------------------------------|---------------------------|--------------------------------------|--|--------------------------------|-------------------------------|------------------------------------|--------------------------------|---|--|
| AUG 30... | 1010 | 1028                                   | 80020                                 | 940.00                                | 2.21                      | 54                                   | 17.20                                  | .30                            | 70                            | 745                                | 10.9                           | 7.5   | 53   |
| 30...     | 1010 | 1028                                   | 85550                                 | 940.00                                | --                        | --                                   | 17.20                                  | .01                            | 8010                          | --                                 | --                             | --  | --   |

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

| Date      | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Sulfate water, fltrd, mg/L (00945) | Mercury water fltrd, ng/L (50287) | Mercury suspnd sedimnt total, ng/L (62976) | Mercury solids, total, ng/g (62978) | Methylmercury water fltrd, ng/L (50285) | Methylmercury suspnd sedimnt total, ng/L (62977) | Suspnd. sediment, sieve diameter <.063mm percent (70331) | Suspended sediment concentration mg/L (80154) | Number of sampling points, count (00063) | Purpose site visit, code (50280) | Sample purpose code (71999) |
|-----------|---------------------------------|-----------------------------------|------------------------------------|-----------------------------------|--|-------------------------------------|---|--|--|---|--|----------------------------------|-----------------------------|
| AUG 30... | 13.5                            | 10.3                              | 1.4                                | 1.51                              | 1.29                                       | --                                  | <.04                                    | .029   | --   | 7   | 1  | 1,006                            | 15.00                       |
| 30...     | --                              | --                                | --                                 | --                                | --   | 17.6                                | --                                      | --   | 10   | --  | --                                       | 3,003                            | 15.00                       |

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

| Date      | Sampler type, code (84164) | Type of sample related QA data, code (99111) |
|-----------|----------------------------|--|
| AUG 30... | 3070                       | 1  |
| 30...     | 3070                       | 1  |

## 12117500 CEDAR RIVER NEAR LANDSBURG, WA

LOCATION.--Lat 47°23'38", long 121°57'12", on west line NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.17, T.22 N., R.7 E., King County, Hydrologic Unit 17110012, on left bank 1.8 mi upstream from intake of Seattle water-supply system near Landsburg, 4.0 mi east of Maple Valley, 5.9 mi downstream from Taylor Creek, and at mile 23.4.

DRAINAGE AREA.--121 mi<sup>2</sup>, excludes Walsh Lake diversion, which enters Cedar River at mile 19.5, and excludes 1.9 mi<sup>2</sup> of Walsh Lake drainage in Cedar River basin, which is normally diverted into Issaquah Creek.

PERIOD OF RECORD.--August 1895 to current year (prior to October 1948, flow of Rock Creek included). Monthly discharge only for some periods, published in WSP 1316. Published as "near Seattle" 1895-98, "near Maple Valley" 1902, and as "near Ravensdale" 1898-1901, 1903-12.

REVISED RECORDS.--WSP 313: 1895-98, 1902-09. WSP 1286: 1912. WSP 1316: 1896-98(M), 1902-11(M). WSP 1736: 1960. WSP 1932: 1947, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 565.9 ft above NGVD of 1929. Prior to Oct. 1, 1898, nonrecording gage at site 2.2 mi downstream at different datum. Mar. 24, 1901, to May 15, 1913, nonrecording gage at site 2 mi downstream at datum 535.84 ft NGVD of 1929 (levels by City of Seattle). Apr. 30, 1914, to Oct. 22, 1928, water-stage recorder 0.2 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. All diversions except Rock Creek returned to river upstream from station. Rock Creek, a tributary which entered naturally just upstream from station prior to 1932, is diverted during summer months to enter river at a point about 3.9 mi downstream from station. Some regulation by Chester Morse Lake (station 12115900) and Cedar Lake (station 12116060), 12.2 mi upstream. Chemical analyses July 1959 to July 1960. Water temperatures published August 1953 to September 1985. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--110 years (water years 1896-2005), 685 ft<sup>3</sup>/s, 496,300 acre-ft/yr, unadjusted, includes data published in WSP 1316.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,200 ft<sup>3</sup>/s, Nov. 19, 1911, gage height, 10.0 ft, from graph based on gage readings, site and datum then in use, by computation of peak flow over dam, peak caused by failure of flashboards at Chester Morse Lake; minimum discharge observed, 83 ft<sup>3</sup>/s, Sept. 19, 1898.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,870 ft<sup>3</sup>/s, Jan. 21, gage height, 3.44 ft; minimum discharge, 245 ft<sup>3</sup>/s, Sept. 19, 20, gage height, 1.00 ft.

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     | 573    | 455    | 870    | 500    | 600    | 371    | 410    | 358    | 383    | 313    | 300    | 266    |
| 2     | 517    | 591    | 926    | 495    | 485    | 364    | 407    | 354    | 402    | 312    | 300    | 265    |
| 3     | 493    | 597    | 903    | 489    | 439    | 363    | 394    | 352    | 396    | 308    | 299    | 262    |
| 4     | 506    | 724    | 842    | 484    | 461    | 356    | 390    | 350    | 384    | 303    | 298    | 263    |
| 5     | 495    | 848    | 852    | 479    | 446    | 354    | 366    | 350    | 381    | 305    | 300    | 271    |
| 6     | 493    | 842    | 837    | 463    | 438    | 350    | 355    | 346    | 381    | 392    | 300    | 267    |
| 7     | 475    | 818    | 839    | 464    | 431    | 347    | 357    | 342    | 375    | 355    | 299    | 265    |
| 8     | 466    | 586    | 792    | 455    | 420    | 344    | 380    | 340    | 388    | 364    | 296    | 264    |
| 9     | 449    | 512    | 756    | 450    | 416    | 339    | 363    | 351    | 377    | 404    | 293    | 264    |
| 10    | 422    | 496    | 885    | 445    | 431    | 339    | 353    | 430    | 371    | 378    | 293    | 320    |
| 11    | 413    | 497    | 1,310  | 449    | 475    | 337    | 396    | 384    | 382    | 366    | 291    | 283    |
| 12    | 409    | 493    | 1,200  | 479    | 477    | 335    | 376    | 369    | 402    | 360    | 274    | 270    |
| 13    | 415    | 490    | 1,340  | 477    | 475    | 335    | 360    | 338    | 398    | 352    | 272    | 265    |
| 14    | 426    | 488    | 1,350  | 491    | 473    | 333    | 337    | 333    | 389    | 345    | 271    | 263    |
| 15    | 422    | 491    | 1,390  | 538    | 465    | 330    | 338    | 367    | 387    | 339    | 268    | 252    |
| 16    | 509    | 498    | 1,530  | 546    | 462    | 338    | 476    | 421    | 366    | 339    | 268    | 252    |
| 17    | 613    | 490    | 1,520  | 676    | 481    | 347    | 462    | 406    | 369    | 333    | 272    | 251    |
| 18    | 504    | 515    | 1,500  | 1,520  | 536    | 371    | 422    | 394    | 344    | 329    | 274    | 249    |
| 19    | 460    | 487    | 1,490  | 1,090  | 537    | 373    | 393    | 381    | 336    | 322    | 275    | 248    |
| 20    | 442    | 478    | 1,460  | 1,350  | 535    | 379    | 375    | 378    | 330    | 321    | 274    | 246    |
| 21    | 448    | 472    | 1,260  | 1,700  | 531    | 405    | 360    | 383    | 326    | 318    | 272    | 266    |
| 22    | 443    | 473    | 1,080  | 1,760  | 529    | 433    | 350    | 382    | 336    | 324    | 272    | 281    |
| 23    | 419    | 477    | 834    | 1,710  | 488    | 429    | 343    | 367    | 340    | 318    | 272    | 313    |
| 24    | 413    | 669    | 640    | 1,720  | 481    | 426    | 357    | 356    | 329    | 314    | 271    | 317    |
| 25    | 410    | 832    | 601    | 1,420  | 484    | 426    | 338    | 349    | 323    | 313    | 269    | 317    |
| 26    | 416    | 787    | 597    | 1,150  | 439    | 518    | 330    | 348    | 322    | 307    | 268    | 315    |
| 27    | 417    | 812    | 577    | 858    | 379    | 573    | 328    | 367    | 327    | 307    | 265    | 339    |
| 28    | 451    | 839    | 528    | 763    | 368    | 539    | 354    | 365    | 327    | 307    | 265    | 386    |
| 29    | 451    | 824    | 538    | 746    | ---    | 536    | 361    | 364    | 321    | 304    | 275    | 402    |
| 30    | 452    | 836    | 540    | 741    | ---    | 501    | 369    | 363    | 314    | 303    | 293    | 544    |
| 31    | 451    | ---    | 514    | 724    | ---    | 407    | ---    | 369    | ---    | 300    | 271    | ---    |
| TOTAL | 14,273 | 18,417 | 30,301 | 25,632 | 13,182 | 12,198 | 11,200 | 11,357 | 10,806 | 10,255 | 8,710  | 8,766  |
| MEAN  | 460    | 614    | 977    | 827    | 471    | 393    | 373    | 366    | 360    | 331    | 281    | 292    |
| MAX   | 613    | 848    | 1,530  | 1,760  | 600    | 573    | 476    | 430    | 402    | 404    | 300    | 544    |
| MIN   | 409    | 455    | 514    | 445    | 368    | 330    | 328    | 333    | 314    | 300    | 265    | 246    |
| AC-FT | 28,310 | 36,530 | 60,100 | 50,840 | 26,150 | 24,190 | 22,220 | 22,530 | 21,430 | 20,340 | 17,280 | 17,390 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 395    | 724    | 952    | 972    | 895    | 790    | 776    | 782    | 735    | 480    | 346    | 322    |
| MAX  | 1,015  | 2,371  | 3,126  | 2,198  | 2,009  | 2,233  | 1,498  | 1,412  | 1,795  | 1,077  | 735    | 716    |
| (WY) | (1960) | (1991) | (1934) | (1918) | (1982) | (1972) | (1897) | (1897) | (1917) | (1917) | (1954) | (1959) |
| MIN  | 141    | 141    | 179    | 369    | 368    | 360    | 335    | 306    | 320    | 262    | 124    | 127    |
| (WY) | (1905) | (1896) | (1953) | (1988) | (1988) | (1941) | (1941) | (1915) | (1992) | (1898) | (1898) | (1898) |



## 12117500 CEDAR RIVER NEAR LANDSBURG, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1895 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 215,385                |        | 175,097             |        |                         |              |
| ANNUAL MEAN              | 588                    |        | 480                 |        | 679                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1,066                   | 1897         |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 340                     | 1941         |
| HIGHEST DAILY MEAN       | 1,600                  | Jan 29 | 1,760               | Jan 22 | 13,600                  | Nov 19, 1911 |
| LOWEST DAILY MEAN        | 296                    | Aug 20 | 246                 | Sep 20 | 83                      | Sep 19, 1898 |
| ANNUAL SEVEN-DAY MINIMUM | 299                    | Aug 15 | 252                 | Sep 14 | 87                      | Sep 13, 1898 |
| ANNUAL RUNOFF (AC-FT)    | 427,200                |        | 347,300             |        | 492,000                 |              |
| 10 PERCENT EXCEEDS       | 903                    |        | 827                 |        | 1,170                   |              |
| 50 PERCENT EXCEEDS       | 511                    |        | 388                 |        | 561                     |              |
| 90 PERCENT EXCEEDS       | 326                    |        | 275                 |        | 289                     |              |

## 12117600 CEDAR RIVER BELOW DIVERSION, NEAR LANDSBURG, WA

LOCATION.--Lat 47°22'47", long 121°58'56", in SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.24, T.22 N., R.6 E., King County, Hydrologic Unit 17110012, on right bank 0.8 mi northwest of the Issaquah-Ravensdale road bridge, 0.9 mi northwest of Landsburg, and at mile 20.4.

DRAINAGE AREA.--124 mi<sup>2</sup>, excludes Walsh Lake diversion, which enters Cedar River at mile 19.5, and excludes 1.9 mi of Walsh Lake drainage in Cedar River basin, which is normally diverted into Issaquah Creek.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1991 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 490 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow is regulated by Chester Morse Lake (station 12115900) and Cedar Lake (station 12116060) 15 mi upstream for operation of powerplant at Cedar Falls 13.1 mi upstream from station. Seattle City Water diversion 1.5 mi upstream from the gage diverted an average discharge of about 121 ft<sup>3</sup>/s during the water year. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--13 years (water years 1993-2005), 508 ft<sup>3</sup>/s, 368,400 acre-ft/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,560 ft<sup>3</sup>/s, Nov. 30, 1995, gage height, 10.32 ft, from rating curve extended above 2,000 ft<sup>3</sup>/s; maximum gage height, 10.70 ft, Nov. 30, 1995, from outside high-water mark; minimum discharge, 45 ft<sup>3</sup>/s, Sept. 9, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,970 ft<sup>3</sup>/s, Jan. 18, gage height, 6.13 ft; minimum discharge, 88 ft<sup>3</sup>/s, Aug. 4, 5, gage height, 2.54 ft.

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     | 373    | 382    | 681    | 394    | 542    | 280    | 343    | 273    | 257    | 217    | 124   | 100    |
| 2     | 383    | 558    | 735    | 397    | 430    | 278    | 341    | 275    | 257    | 203    | 113   | 99     |
| 3     | 379    | 515    | 715    | 396    | 381    | 275    | 328    | 269    | 256    | 202    | 104   | 100    |
| 4     | 388    | 607    | 653    | 394    | 392    | 273    | 311    | 268    | 256    | 202    | 94    | 100    |
| 5     | 381    | 724    | 663    | 397    | 364    | 277    | 272    | 269    | 255    | 203    | 93    | 110    |
| 6     | 384    | 720    | 686    | 359    | 356    | 277    | 268    | 269    | 255    | 208    | 97    | 106    |
| 7     | 382    | 703    | 749    | 353    | 354    | 279    | 270    | 268    | 256    | 183    | 97    | 102    |
| 8     | 413    | 493    | 725    | 350    | 355    | 276    | 288    | 269    | 254    | 183    | 98    | 101    |
| 9     | 419    | 418    | 689    | 351    | 358    | 277    | 271    | 269    | 256    | 184    | 97    | 104    |
| 10    | 389    | 405    | 872    | 351    | 366    | 276    | 273    | 276    | 246    | 184    | 97    | 178    |
| 11    | 378    | 405    | 1,320  | 356    | 379    | 277    | 273    | 275    | 245    | 254    | 133   | 169    |
| 12    | 376    | 401    | 1,200  | 356    | 378    | 276    | 272    | 278    | 246    | 243    | 133   | 154    |
| 13    | 376    | 399    | 1,350  | 356    | 374    | 279    | 273    | 270    | 246    | 240    | 113   | 149    |
| 14    | 377    | 395    | 1,360  | 358    | 377    | 277    | 272    | 283    | 246    | 236    | 116   | 149    |
| 15    | 377    | 404    | 1,390  | 356    | 377    | 278    | 272    | 378    | 245    | 230    | 109   | 149    |
| 16    | 462    | 411    | 1,500  | 361    | 378    | 278    | 395    | 448    | 233    | 228    | 101   | 148    |
| 17    | 562    | 405    | 1,340  | 495    | 383    | 281    | 404    | 432    | 234    | 225    | 102   | 147    |
| 18    | 459    | 448    | 1,320  | 1,550  | 378    | 278    | 333    | 417    | 232    | 214    | 108   | 148    |
| 19    | 416    | 424    | 1,310  | 1,100  | 375    | 280    | 305    | 401    | 232    | 181    | 110   | 148    |
| 20    | 396    | 414    | 1,280  | 1,360  | 375    | 280    | 287    | 394    | 232    | 181    | 110   | 147    |
| 21    | 403    | 409    | 1,080  | 1,720  | 375    | 289    | 277    | 347    | 231    | 182    | 111   | 186    |
| 22    | 398    | 410    | 903    | 1,790  | 375    | 274    | 273    | 276    | 231    | 182    | 102   | 192    |
| 23    | 377    | 413    | 685    | 1,590  | 376    | 272    | 274    | 256    | 230    | 183    | 99    | 222    |
| 24    | 378    | 688    | 597    | 1,530  | 378    | 272    | 276    | 256    | 230    | 185    | 99    | 223    |
| 25    | 375    | 848    | 555    | 1,210  | 379    | 272    | 274    | 255    | 230    | 184    | 102   | 223    |
| 26    | 376    | 798    | 552    | 937    | 332    | 307    | 271    | 256    | 231    | 184    | 100   | 223    |
| 27    | 375    | 732    | 518    | 769    | 289    | 304    | 276    | 256    | 231    | 167    | 102   | 223    |
| 28    | 376    | 748    | 444    | 673    | 278    | 271    | 274    | 257    | 230    | 163    | 102   | 222    |
| 29    | 378    | 734    | 441    | 655    | ---    | 294    | 274    | 257    | 231    | 150    | 104   | 228    |
| 30    | 377    | 732    | 430    | 647    | ---    | 282    | 273    | 256    | 231    | 143    | 100   | 538    |
| 31    | 375    | ---    | 402    | 648    | ---    | 339    | ---    | 256    | ---    | 131    | 102   | ---    |
| TOTAL | 12,258 | 16,143 | 27,145 | 22,559 | 10,454 | 8,728  | 8,793  | 9,209  | 7,245  | 6,055  | 3,272 | 5,088  |
| MEAN  | 395    | 538    | 876    | 728    | 373    | 282    | 293    | 297    | 242    | 195    | 106   | 170    |
| MAX   | 562    | 848    | 1,500  | 1,790  | 542    | 339    | 404    | 448    | 257    | 254    | 133   | 538    |
| MIN   | 373    | 382    | 402    | 350    | 278    | 271    | 268    | 255    | 230    | 131    | 93    | 99     |
| AC-FT | 24,310 | 32,020 | 53,840 | 44,750 | 20,740 | 17,310 | 17,440 | 18,270 | 14,370 | 12,010 | 6,490 | 10,090 |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 344    | 656    | 878    | 812    | 731    | 588    | 577    | 480    | 397    | 232    | 133    | 182    |
| MAX  | 417    | 1,490  | 1,755  | 1,736  | 1,865  | 1,232  | 1,153  | 1,098  | 937    | 509    | 194    | 390    |
| (WY) | (1996) | (1996) | (2000) | (1999) | (1996) | (1997) | (2002) | (1997) | (2002) | (1997) | (1993) | (2004) |
| MIN  | 256    | 293    | 296    | 295    | 277    | 282    | 287    | 237    | 196    | 107    | 96.5   | 119    |
| (WY) | (1995) | (2003) | (2003) | (2001) | (2001) | (2005) | (1995) | (1992) | (1992) | (1992) | (1992) | (1995) |

## 12117600 CEDAR RIVER BELOW DIVERSION, NEAR LANDSBURG, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1992 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 165,912                |        | 136,949             |        |                         |              |
| ANNUAL MEAN              | 453                    |        | 375                 |        | 508                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 826                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 294                     |              |
| HIGHEST DAILY MEAN       | 1,650                  | Jan 29 | 1,790               | Jan 22 | 6,170                   | Nov 30, 1995 |
| LOWEST DAILY MEAN        | 90                     | Aug 5  | 93                  | Aug 5  | 78                      | Aug 8, 1992  |
| ANNUAL SEVEN-DAY MINIMUM | 96                     | Jul 31 | 96                  | Aug 4  | 85                      | Sep 4, 1995  |
| ANNUAL RUNOFF (AC-FT)    | 329,100                |        | 271,600             |        | 368,400                 |              |
| 10 PERCENT EXCEEDS       | 813                    |        | 695                 |        | 1,110                   |              |
| 50 PERCENT EXCEEDS       | 414                    |        | 278                 |        | 347                     |              |
| 90 PERCENT EXCEEDS       | 121                    |        | 115                 |        | 139                     |              |

12117600 CEDAR RIVER BELOW DIVERSION, NEAR LANDSBURG, WA

## WATER-QUALITY RECORDS

## PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 2001 to current year.

INSTRUMENTATION.--Temperature recorder since May, 2001.

REMARKS.--Records excellent except for Oct. 1 to Feb. 18, which are poor.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 16.3°C, July 18, 2003; minimum, 2.9°C, Jan. 7, 2004.

## EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 15.4°C, July 18; minimum, 4.4°C, Jan. 15, 16.

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | OCTOBER |      |      | NOVEMBER |     |      | DECEMBER |     |      | JANUARY |     |      |
|-------|---------|------|------|----------|-----|------|----------|-----|------|---------|-----|------|
|       | MAX     | MIN  | MEAN | MAX      | MIN | MEAN | MAX      | MIN | MEAN | MAX     | MIN | MEAN |
| 1     | 12.7    | 11.6 | 12.1 | 9.2      | 8.6 | 8.9  | 7.5      | 7.2 | 7.4  | 7.5     | 7.1 | 7.4  |
| 2     | 12.6    | 11.3 | 12.0 | 9.5      | 8.5 | 9.2  | 7.5      | 7.0 | 7.3  | 7.4     | 6.3 | 6.7  |
| 3     | 12.4    | 11.3 | 11.9 | 8.9      | 8.1 | 8.6  | 7.6      | 7.4 | 7.5  | 6.3     | 5.9 | 6.1  |
| 4     | 12.3    | 11.1 | 11.8 | 8.3      | 7.7 | 8.0  | 7.8      | 7.5 | 7.6  | 6.2     | 5.9 | 6.0  |
| 5     | 12.5    | 11.1 | 11.8 | 8.3      | 7.7 | 8.0  | 7.7      | 7.2 | 7.4  | 5.9     | 5.5 | 5.7  |
| 6     | 12.8    | 12.0 | 12.4 | 8.8      | 7.8 | 8.3  | 7.3      | 7.0 | 7.2  | 6.4     | 5.5 | 6.0  |
| 7     | 12.5    | 11.5 | 12.0 | 9.0      | 8.5 | 8.7  | 7.2      | 7.0 | 7.1  | 6.6     | 6.3 | 6.4  |
| 8     | 12.1    | 11.0 | 11.7 | 8.8      | 8.2 | 8.5  | 7.6      | 7.1 | 7.4  | 6.6     | 6.2 | 6.4  |
| 9     | ---     | 11.1 | ---  | 9.4      | 8.7 | 9.0  | 7.7      | 7.2 | 7.5  | 6.7     | 6.2 | 6.4  |
| 10    | 12.1    | 11.2 | 11.5 | 9.1      | 8.6 | 8.9  | 8.8      | 7.6 | 8.2  | 6.5     | 6.0 | 6.2  |
| 11    | 11.7    | 10.8 | 11.2 | 8.9      | 8.2 | 8.5  | 8.8      | 7.2 | 7.8  | 6.1     | 5.4 | 5.7  |
| 12    | 11.9    | 11.1 | 11.4 | 8.9      | 7.8 | 8.3  | 7.2      | 6.7 | 6.9  | 6.6     | 6.0 | 6.3  |
| 13    | 11.9    | 10.9 | 11.4 | 9.3      | 8.8 | 9.0  | 7.2      | 6.7 | 7.0  | 6.5     | 6.0 | 6.2  |
| 14    | 12.0    | 11.0 | 11.5 | 9.1      | 8.8 | 8.9  | 7.3      | 7.0 | 7.2  | 6.0     | 4.8 | 5.4  |
| 15    | 12.0    | 11.6 | 11.8 | 9.1      | 8.8 | 9.0  | 7.3      | 6.8 | 7.0  | 4.9     | 4.4 | 4.7  |
| 16    | 12.0    | 11.5 | 11.8 | 9.1      | 8.7 | 8.9  | 7.0      | 6.5 | 6.8  | 5.4     | 4.4 | 5.1  |
| 17    | 11.5    | 10.8 | 11.3 | 8.8      | 8.1 | 8.3  | 7.0      | 6.7 | 6.9  | 5.5     | 5.3 | 5.4  |
| 18    | 10.8    | 10.0 | 10.3 | 8.5      | 8.2 | 8.4  | 7.2      | 7.0 | 7.1  | 7.5     | 5.4 | 6.4  |
| 19    | 10.5    | 10.0 | 10.3 | 8.6      | 7.7 | 8.3  | 7.3      | 6.9 | 7.1  | 8.2     | 6.7 | 7.7  |
| 20    | 10.5    | 9.6  | 10.1 | 7.7      | 7.2 | 7.5  | 7.1      | 6.5 | 6.9  | 6.7     | 5.7 | 6.1  |
| 21    | 10.5    | 10.2 | 10.4 | 8.1      | 7.3 | 7.7  | 6.9      | 6.4 | 6.7  | 5.8     | 5.4 | 5.6  |
| 22    | 10.5    | 10.0 | 10.2 | 8.6      | 8.0 | 8.3  | 7.0      | 6.7 | 6.8  | 5.8     | 5.4 | 5.6  |
| 23    | 10.3    | 9.6  | 10   | ---      | --- | ---  | 6.9      | 6.5 | 6.7  | 6.0     | 5.6 | 5.8  |
| 24    | 10.1    | 9.6  | 9.8  | ---      | --- | ---  | 7.3      | 6.7 | 7.0  | 5.6     | 5.3 | 5.5  |
| 25    | 9.8     | 9.1  | 9.5  | 9.0      | 8.1 | 8.6  | 7.8      | 7.3 | 7.6  | 6.2     | 5.5 | 5.8  |
| 26    | 10.2    | 9.5  | 9.7  | 8.1      | 7.6 | 7.9  | 7.8      | 7.4 | 7.7  | 6.6     | 6.1 | 6.3  |
| 27    | 9.7     | 8.7  | 9.1  | 7.8      | 7.4 | 7.6  | 7.4      | 6.9 | 7.1  | 7.3     | 6.6 | 6.9  |
| 28    | 9.4     | 8.6  | 9.0  | 7.4      | 6.9 | 7.3  | 7.4      | 6.8 | 7.0  | 7.3     | 6.6 | 6.9  |
| 29    | 9.9     | 9.4  | 9.6  | 7.2      | 6.7 | 6.9  | 7.8      | 7.4 | 7.6  | 7.2     | 6.8 | 7.0  |
| 30    | 9.8     | 9.4  | 9.6  | 7.6      | 7.2 | 7.4  | 7.6      | 7.2 | 7.4  | 7.3     | 6.8 | 7.1  |
| 31    | 9.4     | 8.9  | 9.1  | ---      | --- | ---  | 7.4      | 6.9 | 7.2  | 7.4     | 6.8 | 7.1  |
| MONTH | ---     | 8.6  | ---  | ---      | --- | ---  | 8.8      | 6.4 | 7.2  | 8.2     | 4.4 | 6.2  |



## 12118400 ROCK CREEK AT STATE HIGHWAY 516, NEAR RAVENSDALE, WA

LOCATION.--Lat 47°21'45", long 122°00'35", in NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.26, T.22 N., R.6 E., King County, Hydrologic Unit 17110012, on left bank in Parshall Flume, upstream of State Hwy 516, 1.5 mi northeast of Ravensdale.

DRAINAGE AREA.--11.2 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1956 to September 1962. May 2001 to current year. Published as "State Highway 5A" 1956-62.

GAGE.--Water-stage recorder. Datum of gage is 559.24 ft above NAVD of 1988 (levels from City of Kent). Prior to May 2001, recording gage at same site at different unknown datum above NGVD of 1929.

REMARKS.--Records fair. Diversions by City of Kent upstream of gage for municipal use may affect flow.

AVERAGE DISCHARGE.--10 years (water years 1956-62, 2002-05), 14.3 ft<sup>3</sup>/s, 17.40 in/yr, 10,390 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 114 ft<sup>3</sup>/s, Dec. 16, 1959, gage height 2.89 ft, datum then in use; minimum, 1.7 ft<sup>3</sup>/s, Oct. 4, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24 ft<sup>3</sup>/s, Jan. 24, gage height, 1.64 ft; minimum discharge, 1.9 ft<sup>3</sup>/s, Sept. 22-28.

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     | 3.0   | 3.8   | 5.9   | 12    | 17    | 7.0   | 7.6   | 9.4   | 8.9   | 4.5   | 3.0  | 2.7  |
| 2     | 3.1   | 3.9   | 6.5   | 11    | 16    | 6.8   | 7.8   | 9.1   | 8.6   | 4.5   | 3.0  | 2.6  |
| 3     | 3.2   | 3.9   | 6.6   | 11    | 16    | 6.6   | 8.3   | 9.0   | 8.4   | 4.4   | 2.9  | 2.5  |
| 4     | 3.2   | 3.8   | 6.6   | 10    | 15    | 6.4   | 8.7   | 8.8   | 8.2   | 4.2   | 3.0  | 2.5  |
| 5     | 3.2   | 3.9   | 6.8   | 11    | 15    | 6.5   | 8.6   | 8.5   | 8.7   | 4.0   | 2.9  | 2.5  |
| 6     | 3.1   | 4.0   | 7.0   | 10    | 14    | 6.3   | 9.4   | 8.2   | 8.5   | 4.2   | 2.9  | 2.4  |
| 7     | 3.0   | 4.1   | 7.1   | 9.8   | 14    | 6.2   | 9.3   | 7.8   | 8.0   | 4.1   | 2.9  | 2.4  |
| 8     | 3.3   | 4.0   | 7.9   | 8.9   | 13    | 6.2   | 9.8   | 7.7   | 7.5   | 4.1   | 2.9  | 2.2  |
| 9     | 3.3   | 3.8   | 8.9   | 8.4   | 12    | 6.0   | 10    | 8.7   | 7.3   | 4.0   | 2.8  | 2.2  |
| 10    | 3.3   | 3.7   | 11    | 8.2   | 12    | 6.0   | 11    | 10    | 6.5   | 4.0   | 2.8  | 2.5  |
| 11    | 3.4   | 3.7   | 17    | 7.9   | e11   | 5.8   | 10    | 9.7   | 6.3   | 3.9   | 2.9  | 2.4  |
| 12    | 3.6   | 3.6   | 19    | 7.6   | e12   | 5.7   | 9.8   | 9.5   | 6.2   | 3.8   | 2.9  | 2.3  |
| 13    | 3.3   | 3.6   | 20    | 7.3   | e11   | 5.6   | 9.9   | 9.7   | 6.2   | 3.7   | 2.9  | 2.2  |
| 14    | 3.1   | 3.6   | 22    | 7.1   | e11   | 5.5   | 9.7   | 9.7   | 6.1   | 3.6   | 2.9  | 2.2  |
| 15    | 3.1   | 3.6   | 22    | 7.1   | 10    | 5.4   | 9.5   | 10    | 6.0   | 3.6   | 2.9  | 2.2  |
| 16    | 3.2   | 3.6   | 22    | 6.9   | 9.1   | 5.4   | 10    | 11    | 5.8   | 3.5   | 2.9  | 2.2  |
| 17    | 3.7   | 3.6   | 21    | 7.6   | 8.0   | 5.2   | 11    | 11    | 6.0   | 3.6   | 2.8  | 2.2  |
| 18    | 3.9   | 3.8   | 21    | 12    | 8.1   | 5.1   | 11    | 11    | 5.8   | 3.5   | 2.7  | 2.1  |
| 19    | 3.8   | 3.8   | 20    | 15    | 8.3   | 5.0   | 11    | 11    | 5.6   | 3.5   | 2.7  | 2.2  |
| 20    | 3.6   | 3.8   | 19    | 17    | 7.9   | 5.1   | 11    | 11    | 5.4   | 3.6   | 2.7  | 2.1  |
| 21    | 3.5   | 3.8   | 18    | 18    | 7.6   | 4.9   | 11    | 12    | 5.3   | 3.8   | 2.7  | 2.1  |
| 22    | 3.5   | 3.9   | 17    | 21    | 7.4   | 4.7   | 11    | 13    | 5.2   | 3.5   | 2.6  | 2.1  |
| 23    | 3.5   | 4.0   | 17    | 22    | 7.0   | 4.6   | 11    | 12    | 5.2   | 3.5   | 2.6  | 2.0  |
| 24    | 3.6   | 4.4   | 16    | 22    | 6.8   | 4.6   | 11    | 10    | 5.3   | 3.6   | 2.5  | 2.1  |
| 25    | 3.5   | 5.1   | 16    | 23    | 7.0   | 4.6   | 11    | 10    | 5.3   | 3.4   | 2.5  | 2.0  |
| 26    | 3.5   | 5.8   | 15    | 22    | 7.3   | 4.9   | 11    | 9.7   | 5.1   | 3.2   | 2.5  | 2.0  |
| 27    | 3.5   | 5.8   | 14    | 20    | 7.3   | 6.1   | 10    | 9.6   | 4.9   | 3.2   | 2.5  | 2.0  |
| 28    | 3.3   | 5.9   | 13    | 19    | 7.2   | 7.0   | 10    | 9.3   | 4.9   | 3.2   | 2.5  | 2.1  |
| 29    | 3.3   | 5.6   | 13    | 19    | ---   | 6.9   | 9.9   | 9.3   | 4.8   | 3.1   | 2.6  | 2.3  |
| 30    | 3.5   | 5.6   | 12    | 18    | ---   | 7.3   | 9.7   | 9.6   | 4.6   | 3.1   | 2.7  | 2.5  |
| 31    | 3.7   | ---   | 12    | 17    | ---   | 6.8   | ---   | 9.2   | ---   | 3.0   | 2.8  | ---  |
| TOTAL | 104.8 | 125.5 | 440.3 | 416.8 | 298.0 | 180.2 | 299.0 | 304.5 | 190.6 | 114.9 | 85.9 | 67.8 |
| MEAN  | 3.38  | 4.18  | 14.2  | 13.4  | 10.6  | 5.81  | 9.97  | 9.82  | 6.35  | 3.71  | 2.77 | 2.26 |
| MAX   | 3.9   | 5.9   | 22    | 23    | 17    | 7.3   | 11    | 13    | 8.9   | 4.5   | 3.0  | 2.7  |
| MIN   | 3.0   | 3.6   | 5.9   | 6.9   | 6.8   | 4.6   | 7.6   | 7.7   | 4.6   | 3.0   | 2.5  | 2.0  |
| AC-FT | 208   | 249   | 873   | 827   | 591   | 357   | 593   | 604   | 378   | 228   | 170  | 134  |
| CFSM  | 0.30  | 0.37  | 1.27  | 1.20  | 0.95  | 0.52  | 0.89  | 0.88  | 0.57  | 0.33  | 0.25 | 0.20 |
| IN.   | 0.35  | 0.42  | 1.46  | 1.38  | 0.99  | 0.60  | 0.99  | 1.01  | 0.63  | 0.38  | 0.29 | 0.23 |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 5.49   | 10.3   | 20.7   | 21.6   | 27.5   | 24.5   | 20.3   | 14.3   | 9.74   | 7.08   | 5.65   | 4.89   |
| MAX  | 11.7   | 29.0   | 48.7   | 46.5   | 56.9   | 51.8   | 30.7   | 26.0   | 16.5   | 11.3   | 8.92   | 7.92   |
| (WY) | (1960) | (1960) | (1960) | (1959) | (1961) | (1961) | (1961) | (1961) | (1960) | (1956) | (1956) | (1959) |
| MIN  | 2.93   | 3.33   | 3.68   | 4.64   | 10.6   | 5.81   | 6.74   | 4.46   | 5.75   | 3.30   | 2.43   | 1.96   |
| (WY) | (2002) | (2003) | (2003) | (2003) | (2005) | (2005) | (2004) | (2004) | (2003) | (2003) | (2003) | (2003) |

## 12118400 ROCK CREEK AT STATE HIGHWAY 516, NEAR RAVENSDALE, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1956 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 3,025.2                |        | 2,628.3             |        |                         |              |
| ANNUAL MEAN              | 8.27                   |        | 7.20                |        | 14.3                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 23.9                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 7.20                    |              |
| HIGHEST DAILY MEAN       | 37                     | Jan 31 | 23                  | Jan 25 | 110                     | Dec 16, 1959 |
| LOWEST DAILY MEAN        | 2.5                    | Aug 22 | 2.0                 | Sep 23 | 1.6                     | Nov 2, 2002  |
| ANNUAL SEVEN-DAY MINIMUM | 2.6                    | Aug 30 | 2.0                 | Sep 21 | 1.7                     | Sep 14, 2003 |
| ANNUAL RUNOFF (AC-FT)    | 6,000                  |        | 5,210               |        | 10,390                  |              |
| ANNUAL RUNOFF (CFSM)     | 0.738                  |        | 0.643               |        | 1.28                    |              |
| ANNUAL RUNOFF (INCHES)   | 10.05                  |        | 8.73                |        | 17.40                   |              |
| 10 PERCENT EXCEEDS       | 18                     |        | 14                  |        | 31                      |              |
| 50 PERCENT EXCEEDS       | 5.4                    |        | 5.9                 |        | 10                      |              |
| 90 PERCENT EXCEEDS       | 3.0                    |        | 2.6                 |        | 3.5                     |              |

e Estimated

## LAKE WASHINGTON BASIN

12118400 ROCK CREEK AT STATE HIGHWAY 516, NEAR RAVENSDALE, WA

## PRECIPITATION RECORDS

PERIOD OF RECORD.--

PRECIPITATION: October 2003 to current year.

INSTRUMENTATION.--Tipping bucket rain gage. Electronic data logger with 15-min. recording interval.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily precipitation, 4.13 in., Oct. 20, 2003.

EXTREMES FOR CURRENT YEAR.----Maximum daily precipitation, 1.72 in., Jan. 17; minimum 0.00 in. on many days.

PRECIPITATION, TOTAL, INCHES  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY SUM VALUES

| DAY   | OCT  | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1     | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | ---  | 0.45 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 |
| 2     | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | ---  | 0.01 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 |
| 3     | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | ---  | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4     | 0.00 | 0.00 | 0.12 | 0.00 | 0.25 | ---  | 0.01 | 0.14 | 0.00 | 0.00 | 0.00 | 0.14 |
| 5     | 0.21 | 0.00 | 0.06 | 0.00 | 0.00 | ---  | 0.02 | 0.01 | 0.26 | 0.17 | 0.00 | 0.01 |
| 6     | 0.10 | 0.00 | 0.16 | 0.18 | 0.20 | ---  | 0.00 | 0.00 | 0.50 | 0.58 | 0.00 | 0.00 |
| 7     | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | ---  | 0.26 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 |
| 8     | 1.08 | 0.08 | 0.44 | 0.00 | 0.00 | ---  | 0.00 | 0.12 | 0.04 | 0.45 | 0.00 | 0.00 |
| 9     | 0.07 | 0.00 | 0.55 | 0.06 | 0.00 | ---  | 0.00 | 0.60 | 0.00 | 0.04 | 0.00 | 0.00 |
| 10    | 0.01 | 0.00 | 0.90 | 0.00 | ---  | ---  | 0.10 | 0.39 | 0.05 | 0.02 | 0.00 | 1.09 |
| 11    | 0.00 | 0.00 | 0.44 | 0.00 | ---  | ---  | 0.57 | 0.00 | 0.12 | 0.01 | 0.00 | 0.00 |
| 12    | 0.00 | 0.00 | 0.03 | 0.00 | ---  | ---  | 0.06 | 0.00 | 0.11 | 0.09 | 0.00 | 0.00 |
| 13    | 0.00 | 0.06 | 0.47 | 0.00 | ---  | ---  | 0.01 | 0.00 | 0.17 | 0.01 | 0.00 | 0.00 |
| 14    | 0.00 | 0.00 | 0.30 | 0.00 | ---  | ---  | 0.02 | 0.18 | 0.05 | 0.00 | 0.00 | 0.00 |
| 15    | 0.00 | 0.26 | 0.00 | 0.15 | ---  | ---  | 0.34 | 0.83 | 0.00 | ---  | 0.00 | 0.00 |
| 16    | 0.90 | 0.11 | 0.00 | 0.13 | ---  | ---  | 1.11 | 0.27 | 0.25 | 0.03 | 0.00 | 0.06 |
| 17    | 0.78 | 0.06 | 0.00 | 1.72 | ---  | ---  | 0.04 | 0.03 | 0.39 | 0.00 | 0.16 | 0.00 |
| 18    | 0.09 | 0.52 | 0.00 | 1.07 | ---  | 0.00 | 0.03 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19    | 0.04 | 0.00 | 0.06 | 0.00 | ---  | 0.20 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20    | 0.00 | 0.00 | 0.00 | 0.41 | ---  | 0.16 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21    | 0.06 | 0.00 | 0.00 | 0.02 | ---  | 0.02 | 0.00 | 0.21 | 0.17 | 0.00 | 0.00 | 0.00 |
| 22    | 0.02 | 0.08 | 0.00 | 0.27 | ---  | 0.00 | 0.00 | 0.07 | 0.15 | 0.32 | 0.00 | 0.00 |
| 23    | 0.01 | 0.57 | 0.00 | 0.01 | ---  | 0.00 | 0.52 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| 24    | 0.00 | 0.60 | 0.00 | 0.00 | ---  | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25    | 0.00 | 0.40 | 0.06 | 0.00 | ---  | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 |
| 26    | 0.00 | 0.05 | 0.01 | 0.09 | ---  | 1.42 | 0.01 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 |
| 27    | 0.00 | 0.10 | 0.00 | 0.04 | ---  | 1.04 | 0.00 | 0.00 | 0.09 | 0.02 | 0.00 | 0.00 |
| 28    | 0.00 | 0.00 | 0.00 | 0.05 | ---  | 0.34 | 0.08 | 0.00 | 0.04 | 0.00 | 0.05 | 0.00 |
| 29    | 0.00 | 0.07 | 0.35 | 0.01 | ---  | 0.34 | 0.51 | 0.00 | 0.00 | 0.00 | 1.18 | 0.73 |
| 30    | 0.06 | 0.31 | 0.06 | 0.01 | ---  | 0.00 | 0.18 | 0.00 | 0.00 | 0.03 | 0.00 | 0.31 |
| 31    | 0.00 | ---  | 0.00 | 0.04 | ---  | 0.06 | ---  | 0.08 | ---  | 0.00 | 0.00 | ---  |
| TOTAL | 3.43 | 4.59 | 4.51 | 4.26 | ---  | ---  | 4.82 | 4.05 | 3.06 | ---  | 1.39 | 2.34 |



## 12118500 ROCK CREEK NEAR MAPLE VALLEY, WA

LOCATION.--Lat 47°22'58", long 122°00'58", in SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.22, T.22 N., R.6 E., King County, Hydrologic Unit 17110012, on right bank 20 ft below box culvert exit, 2 mi southeast of Maple Valley, and 650 ft upstream from mouth.

DRAINAGE AREA.--12.6 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1945 to September 1973, May 2001 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 400.00 ft above NAVD of 1988 (levels from City of Kent). Prior to Mar. 16, 1953, recording gage at site 50 ft upstream at datum 13.10 ft higher. Mar. 16, 1953, to Sept. 30, 1973, recording gage at site 100 ft upstream at datum 13.951 ft higher.

REMARKS.--Records good. Diversions by City of Kent upstream of gage for municipal use may effect flow. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--32 years (water years 1946-73, 2002-05), 18.0 ft<sup>3</sup>/s, 13,020 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 221 ft<sup>3</sup>/s, Mar. 6, 1972, gage height, 4.06 ft, datum then in use; minimum, 0.29 ft<sup>3</sup>/s, Sept. 27, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27 ft<sup>3</sup>/s, Dec. 16, Jan. 24, gage height, 20.37 ft; minimum discharge, 1.1 ft<sup>3</sup>/s, Sept. 26-28.

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     | 3.6   | 5.2   | 9.6   | 17    | 21   | 9.8   | 9.7   | 12    | 11    | 5.1   | 3.3  | 2.6  |
| 2     | 3.6   | 6.2   | 10    | 16    | 21   | 9.4   | 9.9   | 11    | 10    | 5.0   | 3.2  | 2.3  |
| 3     | 3.7   | 5.7   | 10    | 16    | 20   | 9.1   | 10    | 11    | 10    | 4.9   | 3.1  | 2.1  |
| 4     | 3.7   | 5.5   | 10    | 15    | 20   | 8.8   | 11    | 11    | 9.9   | 4.8   | 3.1  | 2.0  |
| 5     | 3.8   | 5.5   | 11    | 15    | 19   | 8.8   | 11    | 11    | 10    | 4.7   | 3.0  | 2.0  |
| 6     | 3.9   | 5.7   | 11    | 15    | 19   | 8.4   | 12    | 10    | 10    | 5.2   | 3.0  | 1.9  |
| 7     | 3.6   | 5.4   | 11    | 14    | 19   | 8.4   | 11    | 10    | 9.6   | 4.7   | 3.0  | 1.7  |
| 8     | 4.5   | 5.4   | 12    | 13    | 18   | 8.2   | 12    | 9.7   | 9.2   | 4.8   | 2.9  | 1.6  |
| 9     | 4.3   | 5.1   | 12    | 13    | 17   | 8.0   | 12    | 11    | 9.0   | 4.6   | 2.9  | 1.6  |
| 10    | 4.0   | 4.9   | 15    | 12    | 17   | 7.9   | 14    | 13    | 8.5   | 4.6   | 2.9  | 2.8  |
| 11    | 4.1   | 4.7   | 20    | 12    | 16   | 7.7   | 13    | 12    | 8.3   | 4.5   | 2.9  | 2.1  |
| 12    | 4.6   | 4.5   | 23    | 12    | 16   | 7.4   | 12    | 12    | 8.2   | 4.5   | 2.8  | 1.8  |
| 13    | 4.1   | 4.5   | 25    | 11    | 16   | 7.3   | 12    | 12    | 7.8   | 4.4   | 2.7  | 1.7  |
| 14    | 3.9   | 4.5   | 26    | 11    | 15   | 7.0   | 12    | 12    | 7.7   | 4.2   | 2.6  | 1.6  |
| 15    | 3.8   | 4.7   | 26    | 11    | 15   | 6.8   | 12    | 12    | 7.5   | 4.0   | 2.6  | 1.6  |
| 16    | 4.1   | 4.5   | 26    | 11    | 14   | 6.8   | 13    | 13    | 7.2   | 3.9   | 2.5  | 1.6  |
| 17    | 5.1   | 4.4   | 26    | 12    | 12   | 6.3   | 14    | 13    | 7.5   | 4.3   | 2.7  | 1.6  |
| 18    | 5.1   | 5.1   | 26    | 17    | 12   | 6.2   | 14    | 13    | 7.1   | 4.1   | 2.5  | 1.5  |
| 19    | 5.2   | 4.9   | 26    | 20    | 12   | 6.3   | 15    | 13    | 6.9   | 3.9   | 2.5  | 1.5  |
| 20    | 5.0   | 4.9   | 25    | 22    | 12   | 6.1   | 15    | 13    | 6.7   | 4.2   | 2.5  | 1.5  |
| 21    | 5.0   | 4.9   | 24    | 23    | 12   | 6.0   | 14    | 14    | 6.5   | 4.7   | 2.5  | 1.4  |
| 22    | 5.0   | 5.0   | 23    | 25    | 11   | 5.7   | 14    | 15    | 6.4   | 4.4   | 2.4  | 1.4  |
| 23    | 5.0   | 5.3   | 23    | 26    | 11   | 5.5   | 14    | 14    | 6.1   | 4.2   | 2.2  | 1.3  |
| 24    | 5.1   | 6.5   | 22    | 26    | 10   | 5.2   | 14    | 13    | 6.2   | 4.4   | 2.1  | 1.4  |
| 25    | 5.0   | 8.0   | 21    | 26    | 10   | 5.2   | 14    | 13    | 6.2   | 4.3   | 2.1  | 1.3  |
| 26    | 5.0   | 8.7   | 21    | e26   | 10   | 6.4   | 13    | 12    | 6.0   | 3.8   | 2.0  | 1.2  |
| 27    | 5.0   | 9.4   | 20    | e25   | 10   | 8.2   | 13    | 12    | 5.7   | 3.6   | 1.9  | 1.2  |
| 28    | 4.7   | 9.5   | 19    | e24   | 10   | 8.9   | 13    | 12    | 5.6   | 3.7   | 2.0  | 1.3  |
| 29    | 4.5   | 9.0   | 19    | 23    | ---  | 9.2   | 13    | 12    | 5.4   | 3.5   | 2.4  | 1.8  |
| 30    | 4.7   | 9.3   | 18    | 23    | ---  | 9.0   | 12    | 12    | 5.2   | 3.4   | 3.1  | 2.4  |
| 31    | 5.0   | ---   | 17    | 22    | ---  | 8.7   | ---   | 11    | ---   | 3.3   | 2.8  | ---  |
| TOTAL | 137.7 | 176.9 | 587.6 | 554   | 415  | 232.7 | 378.6 | 374.7 | 231.4 | 133.7 | 82.2 | 51.8 |
| MEAN  | 4.44  | 5.90  | 19.0  | 17.9  | 14.8 | 7.51  | 12.6  | 12.1  | 7.71  | 4.31  | 2.65 | 1.73 |
| MAX   | 5.2   | 9.5   | 26    | 26    | 21   | 9.8   | 15    | 15    | 11    | 5.2   | 3.3  | 2.8  |
| MIN   | 3.6   | 4.4   | 9.6   | 11    | 10   | 5.2   | 9.7   | 9.7   | 5.2   | 3.3   | 1.9  | 1.2  |
| AC-FT | 273   | 351   | 1,170 | 1,100 | 823  | 462   | 751   | 743   | 459   | 265   | 163  | 103  |
| CFSM  | 0.35  | 0.47  | 1.50  | 1.42  | 1.18 | 0.60  | 1.00  | 0.96  | 0.61  | 0.34  | 0.21 | 0.14 |
| IN.   | 0.41  | 0.52  | 1.73  | 1.64  | 1.23 | 0.69  | 1.12  | 1.11  | 0.68  | 0.39  | 0.24 | 0.15 |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 5.43   | 11.3   | 26.5   | 35.6   | 36.7   | 32.6   | 23.9   | 16.3   | 10.7   | 7.21   | 5.05   | 4.38   |
| MAX  | 14.8   | 38.4   | 81.1   | 79.5   | 87.6   | 128    | 38.1   | 31.1   | 18.4   | 15.0   | 9.78   | 8.66   |
| (WY) | (1960) | (1960) | (1956) | (1956) | (1965) | (1972) | (1961) | (1961) | (1960) | (1964) | (1964) | (1964) |
| MIN  | 1.84   | 3.02   | 3.63   | 6.63   | 11.6   | 7.51   | 5.28   | 4.15   | 4.28   | 2.93   | 1.46   | 1.05   |
| (WY) | (1971) | (2003) | (2003) | (2003) | (1962) | (2005) | (1973) | (1973) | (1973) | (2003) | (1973) | (1973) |

## LAKE WASHINGTON BASIN

12118500 ROCK CREEK NEAR MAPLE VALLEY, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1945 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 3,483.5                |        | 3,356.3             |        |                         |              |
| ANNUAL MEAN              | 9.52                   |        | 9.20                |        | 18.0                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 30.6                    | 1956         |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 9.20                    | 2005         |
| HIGHEST DAILY MEAN       | 41                     | Feb 1  | 26                  | Dec 14 | 218                     | Mar 6, 1972  |
| LOWEST DAILY MEAN        | 1.8                    | Aug 15 | 1.2                 | Sep 26 | 0.36                    | Sep 27, 1973 |
| ANNUAL SEVEN-DAY MINIMUM | 1.9                    | Aug 11 | 1.3                 | Sep 22 | 0.78                    | Sep 8, 1973  |
| ANNUAL RUNOFF (AC-FT)    | 6,910                  |        | 6,660               |        | 13,020                  |              |
| ANNUAL RUNOFF (CFSM)     | 0.755                  |        | 0.730               |        | 1.43                    |              |
| ANNUAL RUNOFF (INCHES)   | 10.28                  |        | 9.91                |        | 19.37                   |              |
| 10 PERCENT EXCEEDS       | 22                     |        | 19                  |        | 40                      |              |
| 50 PERCENT EXCEEDS       | 6.1                    |        | 8.0                 |        | 12                      |              |
| 90 PERCENT EXCEEDS       | 3.0                    |        | 2.5                 |        | 3.3                     |              |

e Estimated

## 12119000 CEDAR RIVER AT RENTON, WA

LOCATION.--Lat 47°28'58", long 122°12'08", in SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.17, T.23 N., R.5 E., King County, Hydrologic Unit 17110012, on left bank 125 ft downstream from bridge on Mill Avenue at Renton, and at mile 1.6.

DRAINAGE AREA.--184 mi<sup>2</sup>, includes 3.67 mi<sup>2</sup> in vicinity of Youngs Lake in Big Soos Creek basin, excludes 1.9 mi<sup>2</sup> from upper Rock Creek, Cedar River basin, normally diverted into Issaquah Creek.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1901 to July 1903 (fragmentary), September 1906 to December 1907 (monthly discharge only), August 1945 to current year.

REVISED RECORDS.--WSP 1316: 1901-02. WSP 1932: Drainage area. WDR WA-75-1: 1972-74.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 15.20 ft above NGVD of 1929. Prior to Jan. 1, 1908, nonrecording gages within 1 mi of present site, at datum 10.67 ft above NGVD of 1929. Aug. 7, 1945, to Aug. 15, 1947, water-stage recorder at site 700 ft upstream at datum 20.13 ft above NGVD of 1929, and Aug. 16, 1947, to Dec. 7, 1950, at datum 19.13 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. Flow partly regulated by Chester Morse Lake and Masonry Dam for operation of powerplant at Cedar Falls 32.1 mi upstream from gage. An average daily discharge of about 121 ft<sup>3</sup>/s was diverted during the year at Landsburg by the City of Seattle for municipal use, computed from data furnished by Seattle Water Department. U.S. Geological Survey satellite telemeter at station. Chemical analyses July 1959 to August 1964, December 1965 to September 1971.

AVERAGE DISCHARGE.--60 years (water years 1946-2005), 659 ft<sup>3</sup>/s, 477,400 acre-ft/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,600 ft<sup>3</sup>/s, Nov. 24, 1990, gage height, 17.13 ft, from outside high-water mark; minimum daily discharge, 30 ft<sup>3</sup>/s, July 1, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,410 ft<sup>3</sup>/s, Jan. 18, gage height, 10.29 ft; minimum discharge, 129 ft<sup>3</sup>/s, Aug. 5, gage height, 6.89 ft.

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     | 434    | 428    | 785    | 484    | 696    | 366    | 499    | 367    | 341    | 273    | 165   | 141    |
| 2     | 444    | 638    | 827    | 480    | 578    | 357    | 488    | 369    | 340    | 254    | 161   | 142    |
| 3     | 439    | 638    | 817    | 477    | 492    | 353    | 482    | 367    | 334    | 250    | 148   | 142    |
| 4     | 440    | 662    | 740    | 471    | 497    | 348    | 469    | 354    | 329    | 247    | 142   | 142    |
| 5     | 451    | 795    | 748    | 473    | 477    | 348    | 401    | 351    | 328    | 246    | 132   | 150    |
| 6     | 453    | 796    | 766    | 445    | 474    | 348    | 384    | 347    | 328    | 276    | 135   | 147    |
| 7     | 444    | 783    | 888    | 448    | 466    | 347    | 384    | 343    | 326    | 247    | 137   | 144    |
| 8     | 518    | 597    | 971    | 437    | 455    | 344    | 393    | 341    | 326    | 247    | 136   | 143    |
| 9     | 565    | 474    | 942    | 432    | 453    | 342    | 370    | 353    | 322    | 250    | 137   | 144    |
| 10    | 499    | 445    | 1,240  | 429    | 455    | 341    | 366    | 412    | 313    | 245    | 136   | 200    |
| 11    | 471    | 440    | 1,830  | 431    | 482    | 341    | 400    | 379    | 311    | 279    | 150   | 242    |
| 12    | 459    | 430    | 1,530  | 431    | 475    | 341    | 396    | 370    | 324    | 294    | 178   | 209    |
| 13    | 457    | 427    | 1,640  | 428    | 472    | 333    | 385    | 357    | 317    | 290    | 153   | 198    |
| 14    | 455    | 424    | 1,680  | 429    | 467    | 341    | 379    | 357    | 308    | 286    | 148   | 196    |
| 15    | 459    | 437    | 1,630  | 432    | 463    | 343    | 381    | 436    | 305    | 278    | 146   | 197    |
| 16    | 535    | 449    | 1,770  | 443    | 463    | 349    | 591    | 557    | 296    | 278    | 134   | 199    |
| 17    | 768    | 441    | 1,570  | 712    | 464    | 345    | 687    | 531    | 319    | 277    | 138   | 197    |
| 18    | 670    | 501    | 1,530  | 1,980  | 468    | 343    | 531    | 534    | 300    | 268    | 139   | 196    |
| 19    | 571    | 477    | 1,490  | 1,580  | 458    | 346    | 469    | 532    | 295    | 238    | 139   | 199    |
| 20    | 532    | 455    | 1,470  | 1,630  | 457    | 347    | 429    | 532    | 290    | 230    | 142   | 199    |
| 21    | 497    | 443    | 1,290  | 1,920  | 457    | 350    | 400    | 538    | 287    | 230    | 143   | 220    |
| 22    | 484    | 440    | 1,100  | 1,960  | 455    | 348    | 385    | 446    | 289    | 237    | 140   | 240    |
| 23    | 450    | 443    | 838    | 1,790  | 453    | 333    | 377    | 397    | 292    | 230    | 133   | 257    |
| 24    | 449    | 738    | 731    | 1,720  | 452    | 332    | 387    | 374    | 285    | 229    | 136   | 270    |
| 25    | 443    | 1,020  | 662    | 1,500  | 453    | 330    | 372    | 359    | 284    | 226    | 135   | 273    |
| 26    | 436    | 980    | 650    | 1,190  | 422    | 415    | 362    | 349    | 284    | 224    | 133   | 273    |
| 27    | 430    | 897    | 616    | 996    | 381    | 618    | 361    | 342    | 285    | 213    | 135   | 276    |
| 28    | 432    | 872    | 542    | 840    | 358    | 502    | 358    | 338    | 284    | 201    | 137   | 270    |
| 29    | 433    | 852    | 535    | 799    | ---    | 500    | 371    | 342    | 282    | 195    | 146   | 277    |
| 30    | 434    | 861    | 539    | 790    | ---    | 454    | 389    | 341    | 280    | 184    | 163   | 518    |
| 31    | 422    | ---    | 501    | 788    | ---    | 474    | ---    | 337    | ---    | 178    | 148   | ---    |
| TOTAL | 14,974 | 18,283 | 32,868 | 27,365 | 13,143 | 11,579 | 12,646 | 12,352 | 9,204  | 7,600  | 4,445 | 6,401  |
| MEAN  | 483    | 609    | 1,060  | 883    | 469    | 374    | 422    | 398    | 307    | 245    | 143   | 213    |
| MAX   | 768    | 1,020  | 1,830  | 1,980  | 696    | 618    | 687    | 557    | 341    | 294    | 178   | 518    |
| MIN   | 422    | 424    | 501    | 428    | 358    | 330    | 358    | 337    | 280    | 178    | 132   | 141    |
| AC-FT | 29,700 | 36,260 | 65,190 | 54,280 | 26,070 | 22,970 | 25,080 | 24,500 | 18,260 | 15,070 | 8,820 | 12,700 |
| CFSM  | 2.63   | 3.31   | 5.76   | 4.80   | 2.55   | 2.03   | 2.29   | 2.17   | 1.67   | 1.33   | 0.78  | 1.16   |
| IN.   | 3.03   | 3.70   | 6.65   | 5.53   | 2.66   | 2.34   | 2.56   | 2.50   | 1.86   | 1.54   | 0.90  | 1.29   |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 358    | 734    | 1,058  | 1,078  | 1,037  | 861    | 776    | 694    | 616    | 298    | 192    | 230    |
| MAX  | 864    | 2,673  | 2,845  | 1,924  | 2,374  | 2,577  | 1,290  | 1,226  | 1,757  | 785    | 582    | 601    |
| (WY) | (1960) | (1991) | (1976) | (1999) | (1982) | (1972) | (2002) | (1997) | (1964) | (1955) | (1954) | (1964) |
| MIN  | 76.4   | 61.2   | 91.2   | 283    | 299    | 374    | 335    | 274    | 168    | 44.9   | 41.1   | 52.9   |
| (WY) | (1953) | (1953) | (1953) | (1988) | (1988) | (2005) | (1973) | (1992) | (1958) | (1958) | (1958) | (1958) |

## LAKE WASHINGTON BASIN

12119000 CEDAR RIVER AT RENTON, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1946 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 199,675                |        | 170,860             |        |                         |              |
| ANNUAL MEAN              | 546                    |        | 468                 |        | 659                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1,016                   | 1972         |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 373                     | 2001         |
| HIGHEST DAILY MEAN       | 2,040                  | Jan 30 | 1,980               | Jan 18 | 8,900                   | Nov 25, 1990 |
| LOWEST DAILY MEAN        | 111                    | Aug 5  | 132                 | Aug 5  | 30                      | Jul 1, 1962  |
| ANNUAL SEVEN-DAY MINIMUM | 117                    | Jul 30 | 136                 | Aug 22 | 41                      | Jul 9, 1958  |
| ANNUAL RUNOFF (AC-FT)    | 396,100                |        | 338,900             |        | 477,400                 |              |
| ANNUAL RUNOFF (CFSM)     | 2.97                   |        | 2.54                |        | 3.58                    |              |
| ANNUAL RUNOFF (INCHES)   | 40.37                  |        | 34.54               |        | 48.66                   |              |
| 10 PERCENT EXCEEDS       | 958                    |        | 806                 |        | 1,290                   |              |
| 50 PERCENT EXCEEDS       | 499                    |        | 385                 |        | 502                     |              |
| 90 PERCENT EXCEEDS       | 147                    |        | 158                 |        | 151                     |              |

12119000 CEDAR RIVER AT RENTON, WA—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959-71, March 1978 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 1965 to February 1967, March 1978 to current year.

INSTRUMENTATION.--Temperature recorder for period of daily record.

REMARKS.--Records excellent except June 5 to Sept. 5, which are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 24.0°C (rounded), Aug. 8, 1978; minimum, 0.0°C (rounded), Dec. 30, 1978, to Jan. 1, 1979, Jan. 29, 1980.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 20.5°C, Aug. 5; minimum, 3.8°C, Jan. 15.

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | OCTOBER |      |      | NOVEMBER |     |      | DECEMBER |     |      | JANUARY |     |      |
|-------|---------|------|------|----------|-----|------|----------|-----|------|---------|-----|------|
|       | MAX     | MIN  | MEAN | MAX      | MIN | MEAN | MAX      | MIN | MEAN | MAX     | MIN | MEAN |
| 1     | 13.8    | 11.6 | 12.6 | 9.7      | 8.6 | 9.0  | 8.2      | 7.5 | 7.8  | 7.7     | 7.0 | 7.3  |
| 2     | 13.7    | 11.2 | 12.4 | 10.2     | 9.0 | 9.8  | 8.0      | 7.1 | 7.6  | 7.4     | 5.5 | 6.5  |
| 3     | 13.6    | 11.4 | 12.4 | 9.7      | 8.2 | 8.9  | 8.2      | 7.6 | 7.9  | 5.8     | 4.7 | 5.3  |
| 4     | 13.4    | 11.3 | 12.3 | 8.7      | 7.4 | 8.0  | 8.3      | 7.7 | 8.0  | 5.7     | 4.4 | 5.0  |
| 5     | 13.4    | 11.3 | 12.4 | 8.6      | 7.3 | 7.9  | 8.2      | 7.3 | 7.8  | 5.4     | 4.1 | 4.7  |
| 6     | 14.1    | 12.7 | 13.3 | 9.4      | 7.7 | 8.5  | 7.8      | 7.1 | 7.4  | 6.2     | 4.3 | 5.2  |
| 7     | 13.4    | 11.8 | 12.7 | 9.8      | 8.9 | 9.3  | 7.7      | 7.1 | 7.4  | 6.8     | 5.9 | 6.3  |
| 8     | 12.9    | 12.1 | 12.5 | 9.4      | 8.3 | 8.9  | 8.1      | 7.3 | 7.7  | 6.6     | 5.7 | 6.2  |
| 9     | 12.6    | 11.8 | 12.2 | 10.1     | 8.9 | 9.5  | 8.3      | 7.3 | 7.8  | 6.6     | 5.7 | 6.1  |
| 10    | 13.2    | 11.3 | 12.1 | 9.7      | 9.0 | 9.3  | 9.5      | 8.0 | 8.8  | 6.4     | 5.4 | 5.8  |
| 11    | 12.9    | 11.1 | 12.0 | 9.5      | 8.5 | 9.1  | 9.5      | 7.5 | 8.5  | 5.7     | 4.4 | 5.1  |
| 12    | 13.5    | 11.5 | 12.4 | 9.0      | 8.0 | 8.5  | 7.6      | 6.6 | 7.1  | 6.9     | 5.5 | 6.3  |
| 13    | 13.3    | 11.3 | 12.3 | 10.0     | 8.6 | 9.3  | 7.8      | 7.1 | 7.5  | 6.7     | 5.6 | 6.2  |
| 14    | 13.4    | 11.4 | 12.3 | 9.7      | 9.0 | 9.4  | 8.1      | 7.4 | 7.7  | 6.1     | 4.4 | 5.2  |
| 15    | 12.8    | 11.9 | 12.4 | 10.0     | 9.3 | 9.6  | 8.0      | 7.3 | 7.7  | 4.8     | 3.8 | 4.3  |
| 16    | 12.9    | 12.1 | 12.5 | 10.1     | 9.2 | 9.6  | 7.4      | 6.8 | 7.1  | 6.1     | 4.5 | 5.4  |
| 17    | 12.3    | 11.5 | 11.9 | 9.3      | 8.2 | 8.7  | 7.6      | 7.2 | 7.4  | 6.9     | 5.9 | 6.3  |
| 18    | 11.6    | 10.7 | 11.2 | 9.1      | 8.2 | 8.6  | 8.0      | 7.3 | 7.5  | 7.9     | 6.4 | 7.0  |
| 19    | 11.5    | 10.6 | 11.0 | 9.3      | 7.7 | 8.6  | 8.0      | 7.2 | 7.6  | 8.8     | 7.7 | 8.2  |
| 20    | 11.5    | 10.1 | 10.8 | 7.9      | 6.8 | 7.3  | 7.7      | 6.8 | 7.2  | 8.6     | 6.8 | 7.4  |
| 21    | 11.4    | 10.5 | 10.9 | 8.4      | 7.1 | 7.7  | 7.5      | 6.5 | 6.9  | 7.3     | 6.3 | 6.8  |
| 22    | 11.0    | 10.3 | 10.6 | 9.2      | 8.0 | 8.6  | 7.5      | 6.7 | 7.1  | 6.9     | 6.2 | 6.6  |
| 23    | 10.9    | 10.1 | 10.4 | 9.6      | 8.8 | 9.2  | 7.0      | 6.2 | 6.6  | 7.2     | 6.5 | 6.8  |
| 24    | 10.8    | 9.6  | 10.1 | 9.8      | 9.3 | 9.6  | 7.3      | 6.6 | 6.9  | 7.2     | 6.0 | 6.5  |
| 25    | 10.5    | 8.9  | 9.7  | 9.8      | 8.4 | 9.4  | 8.1      | 7.2 | 7.7  | 7.0     | 5.9 | 6.4  |
| 26    | 10.7    | 9.6  | 10.1 | 8.6      | 7.7 | 8.2  | 8.2      | 7.4 | 7.9  | 7.5     | 6.5 | 7.0  |
| 27    | 10.2    | 9.0  | 9.5  | 8.3      | 7.7 | 8.1  | 7.5      | 6.5 | 7.0  | 8.3     | 7.0 | 7.6  |
| 28    | 9.7     | 8.0  | 8.8  | 8.1      | 6.7 | 7.5  | 6.9      | 6.0 | 6.5  | 8.2     | 6.6 | 7.5  |
| 29    | 10.7    | 9.4  | 10.0 | 7.3      | 6.1 | 6.7  | 7.9      | 6.6 | 7.3  | 8.2     | 7.3 | 7.8  |
| 30    | 10.7    | 9.8  | 10.2 | 8.0      | 7.1 | 7.6  | 7.8      | 6.9 | 7.4  | 8.3     | 7.4 | 7.8  |
| 31    | 10.0    | 8.9  | 9.4  | ---      | --- | ---  | 7.3      | 6.2 | 6.8  | 8.8     | 7.5 | 8.0  |
| MONTH | 14.1    | 8.0  | 11.4 | 10.2     | 6.1 | 8.7  | 9.5      | 6.0 | 7.5  | 8.8     | 3.8 | 6.4  |



12120000 MERCER CREEK NEAR BELLEVUE, WA

LOCATION.--Lat 47°36'11", long 122°10'47", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.4, T.24 N., R.5 E., King County, Hydrologic Unit 17110012, on left bank 40 ft upstream from Burlington Northern Railroad trestle, 1.2 mi southeast of Bellevue, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--12.0 mi<sup>2</sup>.

PERIOD OF RECORD.--June to October 1945, June 1955 to current year.

REVISED RECORDS.--WSP 1446: Drainage area. WDR WA-83-1: 1977-79(P).

GAGE.--Water-stage recorder. Datum of gage is 17.11 ft above NGVD of 1929 (levels by Municipality of Metropolitan Seattle engineers). Prior to June 5, 1959, at site 600 ft downstream at different datums.

REMARKS.--No estimated daily discharges. Records fair. Natural flow affected by urbanization and construction of flood-control catchments.

AVERAGE DISCHARGE.--50 years (water years 1956-2005), 22.5 ft<sup>3</sup>/s, 25.46 in/yr, 16,290 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 832 ft<sup>3</sup>/s, Jan. 18, 1986, gage height, 6.50 ft; maximum gage height, 8.68 ft, Mar. 6, 1972, caused by backwater from plugged culvert; minimum discharge, 1.9 ft<sup>3</sup>/s, Aug. 6, 1958.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) | Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) |
|--------|------|--------------------------------|------------------|--------|------|--------------------------------|------------------|
| Nov 2  | 1230 | 354                            | 3.90             | Jan 17 | 1715 | *385                           | *4.10            |
| Dec 10 | 0430 | 263                            | 3.27             | Mar 27 | 0630 | 278                            | 3.38             |
| Dec 11 | 0545 | 341                            | 3.82             | Apr 16 | 1345 | 252                            | 3.18             |

Minimum discharge, 3.9 ft<sup>3</sup>/s, Aug. 5-8, 10, 14.

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     | 7.3   | 13    | 12      | 13    | 13    | 17    | 59    | 10    | 22    | 6.4   | 4.6   | 5.4   |
| 2     | 7.2   | 167   | 11      | 11    | 13    | 10    | 19    | 10    | 11    | 25    | 4.8   | 5.3   |
| 3     | 6.9   | 50    | 9.6     | 11    | 13    | 9.8   | 57    | 11    | 9.4   | 8.8   | 4.7   | 5.3   |
| 4     | 7.4   | 20    | 10      | 10    | 18    | 9.8   | 39    | 9.3   | 8.4   | 6.9   | 4.4   | 9.8   |
| 5     | 7.2   | 14    | 43      | 9.8   | 13    | 10    | 19    | 9.0   | 8.3   | 7.6   | 4.4   | 16    |
| 6     | 12    | 11    | 31      | 11    | 55    | 10    | 15    | 9.0   | 9.6   | 25    | 4.4   | 6.6   |
| 7     | 7.2   | 9.7   | 41      | 21    | 33    | 11    | 24    | 8.2   | 9.6   | 8.1   | 4.5   | 5.9   |
| 8     | 7.2   | 9.3   | 109     | 16    | 15    | 13    | 15    | 10    | 12    | 18    | 4.4   | 5.8   |
| 9     | 5.3   | 9.1   | 55      | 14    | 13    | 15    | 11    | 22    | 8.9   | 9.4   | 4.4   | 7.9   |
| 10    | 14    | 9.2   | 174     | 11    | 12    | 11    | 11    | 93    | 7.9   | 7.3   | 4.6   | 92    |
| 11    | 10    | 9.0   | 189     | 10    | 11    | 9.3   | 44    | 15    | 8.0   | 7.3   | 4.7   | 18    |
| 12    | 8.1   | 9.9   | 48      | 10    | 11    | 9.2   | 22    | 11    | 42    | 7.2   | 5.0   | 10    |
| 13    | 7.6   | 8.8   | 35      | 11    | 11    | 9.2   | 13    | 9.5   | 12    | 6.7   | 4.8   | 8.0   |
| 14    | 7.4   | 8.8   | 55      | 10    | 11    | 9.8   | 14    | 14    | 8.4   | 6.4   | 4.4   | 8.4   |
| 15    | 7.9   | 20    | 22      | 13    | 10    | 9.1   | 21    | 40    | 9.9   | 6.3   | 4.4   | 7.5   |
| 16    | 12    | 13    | 21      | 23    | 10    | 28    | 126   | 16    | 8.0   | 6.7   | 4.4   | 16    |
| 17    | 7.7   | 11    | 15      | 188   | 10    | 20    | 33    | 12    | 46    | 6.4   | 7.1   | 8.3   |
| 18    | 20    | 37    | 13      | 171   | 9.9   | 10    | 18    | 28    | 9.5   | 5.8   | 5.6   | 7.2   |
| 19    | 14    | 12    | 38      | 86    | 9.8   | 24    | 13    | 63    | 7.5   | 5.7   | 5.1   | 7.0   |
| 20    | 10    | 9.8   | 19      | 41    | 9.8   | 23    | 12    | 34    | 6.8   | 5.6   | 4.7   | 6.9   |
| 21    | 10    | 9.4   | 15      | 27    | 9.7   | 22    | 11    | 22    | 7.6   | 5.5   | 4.8   | 6.8   |
| 22    | 9.1   | 10    | 13      | 23    | 9.7   | 12    | 10    | 25    | 15    | 15    | 4.6   | 6.7   |
| 23    | 9.5   | 11    | 11      | 20    | 9.8   | 10    | 9.9   | 12    | 9.8   | 7.0   | 4.7   | 6.6   |
| 24    | 8.9   | 43    | 11      | 15    | 9.7   | 9.6   | 13    | 11    | 7.6   | 5.8   | 4.7   | 6.5   |
| 25    | 9.0   | 54    | 37      | 14    | 9.2   | 9.2   | 9.8   | 9.1   | 7.0   | 5.6   | 4.5   | 6.4   |
| 26    | 8.0   | 18    | 37      | 13    | 9.2   | 9.9   | 9.8   | 8.5   | 7.1   | 5.0   | 4.5   | 6.5   |
| 27    | 7.7   | 22    | 16      | 15    | 9.4   | 155   | 9.6   | 8.5   | 11    | 4.8   | 4.6   | 6.5   |
| 28    | 8.1   | 13    | 13      | 14    | 12    | 38    | 13    | 8.2   | 9.7   | 4.9   | 5.2   | 6.5   |
| 29    | 8.1   | 12    | 45      | 13    | ---   | 51    | 19    | 8.2   | 8.0   | 4.9   | 14    | 6.8   |
| 30    | 11    | 23    | 26      | 12    | ---   | 38    | 15    | 8.4   | 6.4   | 4.9   | 7.5   | 35    |
| 31    | 8.0   | ---   | 15      | 12    | ---   | 17    | ---   | 14    | ---   | 4.6   | 5.7   | ---   |
| TOTAL | 465.6 | 667.0 | 1,189.6 | 868.8 | 380.2 | 729.0 | 705.1 | 568.9 | 354.4 | 254.6 | 160.2 | 351.6 |
| MEAN  | 15.0  | 22.2  | 38.4    | 28.0  | 13.6  | 23.5  | 23.5  | 18.4  | 11.8  | 8.21  | 5.17  | 11.7  |
| MAX   | 77    | 167   | 189     | 188   | 55    | 155   | 126   | 93    | 46    | 25    | 14    | 92    |
| MIN   | 6.9   | 8.8   | 9.6     | 9.8   | 9.2   | 9.1   | 9.6   | 8.2   | 6.4   | 4.6   | 4.4   | 5.3   |
| AC-FT | 924   | 1,320 | 2,360   | 1,720 | 754   | 1,450 | 1,400 | 1,130 | 703   | 505   | 318   | 697   |
| CFSM  | 1.25  | 1.85  | 3.20    | 2.34  | 1.13  | 1.96  | 1.96  | 1.53  | 0.98  | 0.68  | 0.43  | 0.98  |
| IN.   | 1.44  | 2.07  | 3.69    | 2.69  | 1.18  | 2.26  | 2.19  | 1.76  | 1.10  | 0.79  | 0.50  | 1.09  |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 16.9   | 32.0   | 39.6   | 40.1   | 33.9   | 29.8   | 21.9   | 14.7   | 12.3   | 8.79   | 8.69   | 11.2   |
| MAX  | 44.4   | 60.9   | 70.7   | 74.1   | 61.1   | 67.5   | 39.9   | 27.2   | 23.8   | 16.5   | 20.9   | 22.3   |
| (WY) | (1982) | (2000) | (1997) | (1997) | (1996) | (1972) | (1991) | (1996) | (1985) | (1997) | (2004) | (1978) |
| MIN  | 7.42   | 11.0   | 16.5   | 15.9   | 10.2   | 15.4   | 9.90   | 8.45   | 5.34   | 3.22   | 3.25   | 5.05   |
| (WY) | (2003) | (1977) | (1977) | (1977) | (1993) | (1965) | (2004) | (1958) | (1958) | (1958) | (1945) | (1955) |

## LAKE WASHINGTON BASIN

12120000 MERCER CREEK NEAR BELLEVUE, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1945 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 7,644.7                |        | 6,695.0             |        |                         |              |
| ANNUAL MEAN              | 20.9                   |        | 18.3                |        | 22.5                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 36.8                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 14.6                    |              |
| HIGHEST DAILY MEAN       | 260                    | Jan 29 | 189                 | Dec 11 | 412                     | Jan 1, 1997  |
| LOWEST DAILY MEAN        | 5.2                    | Aug 12 | 4.4                 | Aug 4  | 2.5                     | Jul 16, 1958 |
| ANNUAL SEVEN-DAY MINIMUM | 5.4                    | Aug 12 | 4.4                 | Aug 4  | 2.8                     | Jul 23, 1958 |
| ANNUAL RUNOFF (AC-FT)    | 15,160                 |        | 13,280              |        | 16,290                  |              |
| ANNUAL RUNOFF (CFSM)     | 1.74                   |        | 1.53                |        | 1.87                    |              |
| ANNUAL RUNOFF (INCHES)   | 23.70                  |        | 20.75               |        | 25.46                   |              |
| 10 PERCENT EXCEEDS       | 47                     |        | 38                  |        | 47                      |              |
| 50 PERCENT EXCEEDS       | 11                     |        | 10                  |        | 14                      |              |
| 90 PERCENT EXCEEDS       | 6.1                    |        | 5.6                 |        | 6.6                     |              |



## 12120000 MERCER CREEK NEAR BELLEVUE, WA—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2005 (discontinued).

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

| Date      | Time | Medium code | Instantaneous discharge, cfs (00061) | Sampling depth, meters (00098) | 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, uS/cm 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Sulfate water, fltrd, mg/L (00945) | Mercury water, fltrd, ng/L (50287) |
|-----------|------|-------------|--------------------------------------|--------------------------------|------------------------------------|--------------------------------|---|---|---|---------------------------------|-----------------------------------|------------------------------------|------------------------------------|
| AUG 31... | 0850 | 9           | 5.4                                  | .33                            | 769                                | 6.8                            | 68  | 7.4   | 217   | 18.9                            | 15.8                              | 7.6                                | .70                                |
| 31...     | 0850 | H           | --                                   | .01                            | --                                 | --                             | --  | --  | --  | --                              | --                                | --                                 | --                                 |

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

| Date      | Mercury suspnd solids, total, ng/L (62976) | Mercury solids, total, ng/g (62978) | Methylmercury water, fltrd, ng/L (50285) | Methylmercury suspnd solids, total, ng/L (62977) | Suspnd. sediment, sieve diametr <.063mm (70331) | Suspended sediment concentration mg/L (80154) |
|-----------|--|-------------------------------------|--|--|---|---|
| AUG 31... | .648                                       | --                                  | .06                                      | .012   | --  | 7   |
| 31...     | --   | 19.3                                | --                                       | --   | 16  | --  |

## 12120600 ISSAQUAH CREEK NEAR HOBART, WA

LOCATION.--Lat 47°27'27", long 122°00'14", in NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.26, T.23 N., R.6 E., King County, Hydrologic Unit 17110012, on left bank 20 ft downstream from highway bridge, 2.9 mi northwest of Hobart, and 10.2 mi upstream from mouth, 1.6 mi northwest of Issaquah, and at mile 33.1 (continuation of Sammamish River).

DRAINAGE AREA.--17.6 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 300 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No known regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--19 years (water years 1987-2005), 46.3 ft<sup>3</sup>/s, 35.73 in/yr, 33,530 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft<sup>3</sup>/s, Nov. 24, 1990, gage height, 9.90 ft; minimum discharge, 5.3 ft<sup>3</sup>/s, Sept. 17-20, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 280 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Dec 11 | 0430 | *586                              | *7.40               | Jan 18 | 0630 | 545                               | 7.26                |

Minimum discharge, 8.7 ft<sup>3</sup>/s, Aug. 14-16, 21, 25-28, Sept. 7-9.

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     | 15    | 18    | 54    | 33    | 38    | 26    | 58    | 29    | 28    | e15  | 10    | 9.6   |
| 2     | 14    | 78    | 45    | 31    | 36    | 25    | 53    | 27    | 30    | e16  | 10    | 9.4   |
| 3     | 13    | 56    | 41    | 30    | 35    | 25    | 55    | 27    | 28    | e15  | 10    | 9.4   |
| 4     | 13    | 40    | 38    | 29    | 39    | 24    | 52    | 26    | 25    | e15  | 9.9   | 9.3   |
| 5     | 13    | 34    | 41    | 27    | 39    | 24    | 45    | 25    | 24    | e14  | 9.7   | 9.6   |
| 6     | 16    | 30    | 40    | 28    | 39    | 23    | 42    | 24    | 25    | e22  | 9.8   | 9.3   |
| 7     | 14    | 26    | 57    | 32    | 38    | 23    | 41    | 23    | 24    | 17   | 9.9   | 9.2   |
| 8     | 39    | 24    | 113   | 29    | 36    | 23    | 40    | 22    | 24    | 19   | 9.7   | 9.2   |
| 9     | 44    | 22    | 103   | 28    | 34    | 23    | 36    | 25    | 22    | 24   | 9.7   | 9.6   |
| 10    | e31   | 21    | 214   | 27    | 33    | 22    | 34    | 58    | 21    | 19   | 9.8   | 25    |
| 11    | e24   | 20    | 408   | 26    | 32    | 22    | 46    | 36    | 21    | 18   | 10    | 14    |
| 12    | e20   | 19    | 199   | 25    | 33    | 22    | 44    | 31    | 24    | 17   | 10    | 12    |
| 13    | 18    | 19    | 138   | 24    | 32    | 22    | 41    | 29    | 22    | 16   | 9.6   | 11    |
| 14    | 17    | 19    | 160   | 24    | 31    | 21    | 37    | 29    | 21    | 15   | 9.4   | 11    |
| 15    | 16    | 23    | 115   | 23    | 30    | 21    | 38    | 60    | 20    | 14   | 9.3   | 10    |
| 16    | 43    | 29    | 92    | 30    | 29    | 23    | 119   | 80    | 19    | 15   | 9.7   | 11    |
| 17    | 103   | 24    | 78    | 118   | 29    | 23    | 88    | 62    | 31    | 14   | 11    | 11    |
| 18    | 77    | 42    | 66    | 405   | 28    | 22    | 66    | 56    | 22    | 13   | 10    | 11    |
| 19    | 54    | 31    | 60    | 234   | 28    | 22    | 53    | 51    | 20    | 13   | 9.6   | 10    |
| 20    | 41    | 26    | 53    | 150   | 27    | 23    | 45    | 59    | 18    | 12   | 9.3   | 10    |
| 21    | 34    | 24    | 49    | 121   | 26    | 24    | 40    | 84    | 18    | 12   | 9.3   | 9.9   |
| 22    | 30    | 24    | 45    | 90    | 26    | 22    | 36    | 69    | 19    | 13   | 9.3   | 9.8   |
| 23    | 26    | 25    | 41    | 78    | 26    | 22    | 34    | 59    | 18    | 13   | 9.3   | 9.8   |
| 24    | 24    | 92    | 39    | 64    | 25    | 21    | 39    | 48    | 17    | 12   | 9.3   | 9.8   |
| 25    | 23    | 169   | 38    | 57    | 25    | 21    | 32    | 42    | 16    | 12   | 9.1   | 9.7   |
| 26    | 21    | 113   | 39    | 51    | 25    | 50    | 30    | 36    | 16    | 11   | 8.9   | 9.7   |
| 27    | 19    | 94    | 35    | 48    | 24    | 116   | 29    | 31    | 17    | 11   | 8.9   | 9.7   |
| 28    | 18    | 73    | 33    | 45    | 25    | 79    | 27    | 29    | 17    | 11   | 9.1   | 9.7   |
| 29    | 17    | 58    | 40    | 43    | ---   | 88    | 28    | 27    | 17    | 11   | 11    | 11    |
| 30    | 18    | 60    | 41    | 41    | ---   | 68    | 36    | 27    | e16   | 11   | 12    | 29    |
| 31    | 17    | ---   | 37    | 40    | ---   | 55    | ---   | 27    | ---   | 10   | 10    | ---   |
| TOTAL | 872   | 1,333 | 2,552 | 2,031 | 868   | 1,025 | 1,364 | 1,258 | 640   | 450  | 302.6 | 338.7 |
| MEAN  | 28.1  | 44.4  | 82.3  | 65.5  | 31.0  | 33.1  | 45.5  | 40.6  | 21.3  | 14.5 | 9.76  | 11.3  |
| MAX   | 103   | 169   | 408   | 405   | 39    | 116   | 119   | 84    | 31    | 24   | 12    | 29    |
| MIN   | 13    | 18    | 33    | 23    | 24    | 21    | 27    | 22    | 16    | 10   | 8.9   | 9.2   |
| AC-FT | 1,730 | 2,640 | 5,060 | 4,030 | 1,720 | 2,030 | 2,710 | 2,500 | 1,270 | 893  | 600   | 672   |
| CFSM  | 1.60  | 2.52  | 4.68  | 3.72  | 1.76  | 1.88  | 2.58  | 2.31  | 1.21  | 0.82 | 0.55  | 0.64  |
| IN.   | 1.84  | 2.82  | 5.39  | 4.29  | 1.83  | 2.17  | 2.88  | 2.66  | 1.35  | 0.95 | 0.64  | 0.72  |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 20.8   | 73.7   | 78.2   | 83.0   | 71.7   | 67.7   | 52.9   | 35.4   | 30.5   | 18.9   | 12.4   | 11.7   |
| MAX  | 41.2   | 245    | 156    | 140    | 159    | 137    | 98.4   | 58.3   | 69.3   | 59.1   | 20.4   | 23.0   |
| (WY) | (1998) | (1991) | (1999) | (1997) | (1996) | (1997) | (1991) | (1996) | (1990) | (1997) | (2004) | (2004) |
| MIN  | 8.55   | 12.3   | 22.7   | 39.2   | 25.5   | 33.1   | 23.4   | 21.5   | 14.2   | 9.70   | 7.60   | 8.53   |
| (WY) | (1988) | (2003) | (2003) | (2001) | (1993) | (2005) | (2004) | (1992) | (1992) | (2003) | (2003) | (1992) |

## 12120600 ISSAQUAH CREEK NEAR HOBART, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1987 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 15,052.2               |        | 13,034.3            |        | 46.3                    |              |
| ANNUAL MEAN              | 41.1                   |        | 35.7                |        | 80.9                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 28.0                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1991                    |              |
| HIGHEST DAILY MEAN       | 562                    | Jan 29 | 408                 | Dec 11 | 1,000                   | Feb 8, 1996  |
| LOWEST DAILY MEAN        | 7.5                    | Aug 20 | 8.9                 | Aug 26 | 5.4                     | Sep 18, 1992 |
| ANNUAL SEVEN-DAY MINIMUM | 7.8                    | Aug 15 | 9.1                 | Aug 22 | 5.7                     | Sep 16, 1992 |
| ANNUAL RUNOFF (AC-FT)    | 29,860                 |        | 25,850              |        | 33,530                  |              |
| ANNUAL RUNOFF (CFSM)     | 2.34                   |        | 2.03                |        | 2.63                    |              |
| ANNUAL RUNOFF (INCHES)   | 31.81                  |        | 27.55               |        | 35.73                   |              |
| 10 PERCENT EXCEEDS       | 91                     |        | 65                  |        | 99                      |              |
| 50 PERCENT EXCEEDS       | 26                     |        | 25                  |        | 29                      |              |
| 90 PERCENT EXCEEDS       | 11                     |        | 9.9                 |        | 9.9                     |              |

e Estimated

12121600 ISSAQUAH CREEK NEAR MOUTH, NEAR ISSAQUAH, WA

LOCATION.--Lat 47°33'09", long 122°02'48", in SE¼NW¼ sec.21, T.24 N., R.6 E., King County, Hydrologic Unit 17110012, on right bank 30 ft downstream from S.E. 56th Street bridge, 0.7 mi downstream from North Fork, 1.2 mi upstream from mouth, 1.6 mi northwest of Issaquah, and at mile 24.1 (continuation of Sammamish River).

DRAINAGE AREA.--56.6 mi<sup>2</sup>, includes 1.9 mi<sup>2</sup> of Cedar River drainage from upper Rock Creek, which normally is diverted into Issaquah Creek.

PERIOD OF RECORD.--September 1963 to current year.

REVISED RECORDS.--WDR WA-77-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 35.99 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. Many minor diversions for irrigation and domestic use upstream from station. Chemical analyses November 1964 to September 1971, October 1973 to September 1974. Water temperatures September 1970 to September 1971. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--42 years (water years 1964-2005), 130 ft<sup>3</sup>/s, 31.23 in/yr, 94,250 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,200 ft<sup>3</sup>/s, Jan. 9, 1990, gage height, 13.50 ft; minimum discharge, 6.2 ft<sup>3</sup>/s, Sept. 7, 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) | Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) |
|--------|------|--------------------------------|------------------|--------|------|--------------------------------|------------------|
| Dec 11 | 0800 | *1,460                         | *9.53            | Jan 18 | 1045 | 1,160                          | 8.48             |

Minimum discharge, 16 ft<sup>3</sup>/s, Aug. 15, 16, 20-28, gage height, 2.88 ft.

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     | 36    | 62    | 126    | 69     | 104   | 69    | 187   | 81    | 72    | 37    | 23    | 19    |
| 2     | 34    | 228   | 109    | 63     | 99    | 63    | 160   | 73    | 72    | 39    | 23    | 19    |
| 3     | 32    | 164   | 99     | 60     | 95    | 62    | 163   | 73    | 68    | 38    | 22    | 18    |
| 4     | 32    | 110   | 93     | 58     | 105   | 59    | 152   | 68    | 63    | 36    | 22    | 21    |
| 5     | 32    | 92    | 104    | 54     | 105   | 57    | 129   | 67    | 60    | 34    | 21    | 22    |
| 6     | 36    | 79    | 106    | 57     | 106   | 56    | 116   | 63    | 61    | 65    | 21    | 19    |
| 7     | 34    | 70    | 151    | 70     | 107   | 55    | 112   | 59    | 59    | 48    | 21    | 18    |
| 8     | 74    | 64    | 330    | 61     | 97    | 55    | 105   | 57    | 60    | 50    | 20    | 18    |
| 9     | 113   | 60    | 309    | 56     | 93    | 54    | 93    | 63    | 56    | 68    | 20    | 19    |
| 10    | 72    | 55    | 607    | 54     | 88    | 54    | 87    | 133   | 52    | 52    | 20    | 63    |
| 11    | 59    | 53    | 1,150  | 52     | 85    | 53    | 130   | 93    | 51    | 48    | 20    | 39    |
| 12    | 51    | 51    | 541    | 51     | 83    | 52    | 126   | 82    | 72    | 45    | 20    | 27    |
| 13    | 47    | 51    | 329    | 49     | 81    | 51    | 114   | 75    | 61    | 42    | 20    | 24    |
| 14    | 45    | 48    | 331    | 47     | 78    | 50    | 102   | 75    | 54    | 40    | 19    | 22    |
| 15    | 43    | 55    | 235    | 48     | 75    | 50    | 102   | 108   | 50    | 38    | 18    | 22    |
| 16    | 75    | 68    | 187    | 59     | 73    | 58    | 327   | 155   | 48    | 38    | 18    | 27    |
| 17    | 193   | 59    | 156    | 254    | 72    | 60    | 268   | 132   | 80    | 37    | 20    | 25    |
| 18    | 172   | 94    | 134    | 949    | 71    | 54    | 195   | 128   | 59    | 35    | 20    | 24    |
| 19    | 133   | 74    | 119    | 652    | 69    | 54    | 155   | 137   | 52    | 32    | 18    | 22    |
| 20    | 109   | 63    | 106    | 420    | 67    | 60    | 134   | 153   | 47    | 31    | 18    | 22    |
| 21    | 95    | 59    | 97     | 338    | 65    | 61    | 117   | 209   | 45    | 30    | 18    | 21    |
| 22    | 85    | 58    | 90     | 268    | 64    | 56    | 105   | 174   | 46    | 34    | 17    | 20    |
| 23    | 77    | 60    | 81     | 232    | 63    | 53    | 99    | 149   | 47    | 33    | 17    | 20    |
| 24    | 72    | 162   | 77     | 197    | 62    | 51    | 108   | 122   | 43    | 30    | 17    | 19    |
| 25    | 70    | 392   | 79     | 172    | 61    | 50    | 91    | 105   | 41    | 28    | 18    | 19    |
| 26    | 67    | 294   | 84     | 155    | 60    | 117   | 85    | 92    | 40    | 27    | 17    | 19    |
| 27    | 64    | 216   | 74     | 144    | 59    | 317   | 81    | 82    | 42    | 26    | 17    | 19    |
| 28    | 63    | 171   | 69     | 131    | 61    | 244   | 76    | 73    | 42    | 25    | 18    | 19    |
| 29    | 62    | 137   | 80     | 124    | ---   | 267   | 77    | 68    | 43    | 24    | 25    | 23    |
| 30    | 63    | 139   | 84     | 114    | ---   | 226   | 92    | 65    | 39    | 24    | 25    | 76    |
| 31    | 60    | ---   | 74     | 112    | ---   | 173   | ---   | 66    | ---   | 24    | 21    | ---   |
| TOTAL | 2,200 | 3,288 | 6,211  | 5,170  | 2,248 | 2,741 | 3,888 | 3,080 | 1,625 | 1,158 | 614   | 745   |
| MEAN  | 71.0  | 110   | 200    | 167    | 80.3  | 88.4  | 130   | 99.4  | 54.2  | 37.4  | 19.8  | 24.8  |
| MAX   | 193   | 392   | 1,150  | 949    | 107   | 317   | 327   | 209   | 80    | 68    | 25    | 76    |
| MIN   | 32    | 48    | 69     | 47     | 59    | 50    | 76    | 57    | 39    | 24    | 17    | 18    |
| AC-FT | 4,360 | 6,520 | 12,320 | 10,250 | 4,460 | 5,440 | 7,710 | 6,110 | 3,220 | 2,300 | 1,220 | 1,480 |
| CFSM  | 1.25  | 1.94  | 3.54   | 2.95   | 1.42  | 1.56  | 2.29  | 1.76  | 0.96  | 0.66  | 0.35  | 0.44  |
| IN.   | 1.45  | 2.16  | 4.08   | 3.40   | 1.48  | 1.80  | 2.56  | 2.02  | 1.07  | 0.76  | 0.40  | 0.49  |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 54.7   | 158    | 241    | 267    | 221    | 192    | 150    | 93.4   | 75.6   | 44.9   | 31.7   | 35.9   |
| MAX  | 151    | 440    | 520    | 472    | 546    | 420    | 280    | 166    | 179    | 116    | 56.4   | 85.5   |
| (WY) | (1976) | (1991) | (1976) | (1964) | (1982) | (1972) | (1991) | (1996) | (1964) | (1997) | (1976) | (1978) |
| MIN  | 19.6   | 24.6   | 71.6   | 106    | 70.8   | 86.2   | 65.3   | 56.0   | 29.8   | 19.1   | 14.5   | 16.1   |
| (WY) | (1988) | (1980) | (2003) | (2001) | (1993) | (1992) | (2004) | (1992) | (1992) | (2004) | (2003) | (2003) |

## 12121600 ISSAQUAH CREEK NEAR MOUTH, NEAR ISSAQUAH, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1964 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 38,489                 |        | 32,968              |        | 130                     |              |
| ANNUAL MEAN              | 105                    |        | 90.3                |        | 197                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1972                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 2001                    |              |
| HIGHEST DAILY MEAN       | 1,250                  | Jan 29 | 1,150               | Dec 11 | 2,350                   | Nov 24, 1986 |
| LOWEST DAILY MEAN        | 11                     | Aug 20 | 17                  | Aug 22 | 11                      | Sep 1, 2003  |
| ANNUAL SEVEN-DAY MINIMUM | 12                     | Aug 15 | 17                  | Aug 21 | 12                      | Sep 1, 2003  |
| ANNUAL RUNOFF (AC-FT)    | 76,340                 |        | 65,390              |        | 94,250                  |              |
| ANNUAL RUNOFF (CFSM)     | 1.86                   |        | 1.60                |        | 2.30                    |              |
| ANNUAL RUNOFF (INCHES)   | 25.30                  |        | 21.67               |        | 31.23                   |              |
| 10 PERCENT EXCEEDS       | 220                    |        | 167                 |        | 274                     |              |
| 50 PERCENT EXCEEDS       | 66                     |        | 63                  |        | 85                      |              |
| 90 PERCENT EXCEEDS       | 20                     |        | 21                  |        | 26                      |              |

## 12122000 SAMMAMISH LAKE NEAR REDMOND, WA

LOCATION.--Lat 47°34'47", long 122°06'38", in NE¼SW¼ sec.12, T.24 N., R.5 E., King County, Hydrologic Unit 17110012, on west shore 5.6 mi above lake outlet, and 6.5 mi south of Redmond.

DRAINAGE AREA.--99.6 mi<sup>2</sup>, includes 1.9 mi<sup>2</sup> of Cedar River drainage from upper Rock Creek, which normally is diverted into Issaquah Creek.

PERIOD OF RECORD.--January 1939 to current year.

REVISED RECORDS.--WSP 1446: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to June 22, 1942, nonrecording gage at different site at datum 25.04 ft higher. June 22, 1942, to Aug. 22, 1951, nonrecording gage at different site at datum 25.04 ft higher and Aug. 23, 1951, to Apr. 29, 1965, at datum 24.04 ft higher, Apr. 29, 1965, to Sept. 30, 1996, recording gage at present site at datum 24.04 ft higher.

REMARKS.--Minor regulation on tributaries. Many small diversions from tributaries for irrigation and domestic use.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 33.44 ft, present datum, Feb. 12, 1951; minimum observed, 25.13 ft, Aug. 25-27, 1951.

EXTREMES OUTSIDE PERIOD OF RECORD.--An elevation of 34.87 ft, present datum, was observed on Dec. 22, 1933, from information provided by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 28.46 ft, Dec. 14; minimum elevation, 25.85 ft, Sept. 4, 9, 10.

ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY  | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | ---   | 26.50 | 27.01 | 27.34 | 27.43 | 26.50 | 27.14 | 26.91 | 26.85 | 26.44 | ---   | 25.89 |
| 2    | ---   | 26.66 | 27.00 | 27.29 | 27.35 | 26.49 | 27.16 | 26.88 | 26.84 | 26.44 | ---   | 25.88 |
| 3    | ---   | 26.80 | 26.98 | 27.24 | 27.30 | 26.48 | 27.18 | 26.85 | 26.82 | 26.44 | ---   | 25.87 |
| 4    | ---   | 26.82 | 26.96 | 27.18 | 27.26 | 26.46 | 27.21 | 26.82 | 26.79 | 26.43 | ---   | 25.87 |
| 5    | ---   | 26.82 | 26.98 | 27.13 | 27.23 | 26.44 | 27.20 | 26.79 | 26.76 | 26.41 | ---   | 25.89 |
| 6    | ---   | 26.81 | 26.99 | 27.08 | 27.20 | 26.43 | 27.18 | 26.75 | 26.73 | 26.43 | 26.12 | 25.88 |
| 7    | ---   | 26.80 | 27.02 | 27.07 | 27.20 | 26.42 | 27.15 | 26.71 | 26.71 | 26.43 | 26.11 | 25.88 |
| 8    | ---   | 26.78 | 27.15 | 27.04 | ---   | 26.41 | 27.13 | 26.68 | 26.70 | 26.43 | 26.10 | 25.87 |
| 9    | ---   | 26.76 | 27.28 | 27.01 | ---   | 26.39 | 27.09 | 26.68 | 26.67 | 26.44 | 26.08 | 25.86 |
| 10   | ---   | 26.74 | 27.53 | 26.97 | ---   | 26.38 | 27.05 | 26.76 | 26.65 | 26.43 | 26.06 | 25.95 |
| 11   | ---   | 26.72 | 28.03 | 26.93 | ---   | 26.37 | 27.06 | 26.76 | 26.62 | 26.43 | 26.05 | 26.01 |
| 12   | ---   | 26.69 | 28.31 | 26.89 | ---   | 26.36 | 27.06 | 26.75 | 26.66 | 26.42 | 26.04 | 26.01 |
| 13   | ---   | 26.67 | 28.35 | 26.86 | ---   | 26.35 | 27.04 | 26.73 | 26.65 | 26.42 | 26.03 | 26.01 |
| 14   | ---   | 26.66 | 28.41 | 26.83 | ---   | 26.34 | 27.01 | 26.72 | 26.63 | 26.41 | 26.03 | 26.01 |
| 15   | ---   | 26.65 | 28.39 | 26.80 | ---   | 26.32 | 26.99 | 26.73 | 26.61 | 26.40 | 26.02 | 26.00 |
| 16   | 26.51 | 26.65 | 28.32 | 26.79 | ---   | 26.33 | 27.11 | 26.77 | 26.60 | 26.39 | 26.00 | 26.01 |
| 17   | 26.59 | 26.64 | 28.24 | 26.90 | ---   | 26.37 | 27.25 | 26.78 | 26.64 | 26.38 | 25.99 | 26.01 |
| 18   | 26.65 | 26.66 | 28.16 | 27.35 | ---   | 26.36 | 27.28 | 26.82 | 26.63 | 26.37 | 25.99 | 26.01 |
| 19   | 26.67 | 26.66 | 28.08 | 27.76 | 26.73 | 26.36 | 27.28 | 26.88 | 26.62 | 26.35 | 25.98 | 26.01 |
| 20   | 26.68 | 26.65 | 28.01 | 27.91 | 26.70 | 26.37 | 27.26 | 26.94 | 26.60 | 26.33 | 25.98 | 26.01 |
| 21   | 26.67 | 26.63 | 27.92 | 27.97 | 26.67 | 26.39 | 27.23 | 26.99 | 26.58 | 26.32 | 25.97 | 26.00 |
| 22   | 26.66 | 26.61 | 27.85 | 27.97 | 26.64 | 26.38 | 27.20 | 27.03 | 26.57 | 26.33 | 25.97 | 25.99 |
| 23   | 26.64 | 26.60 | 27.77 | 27.95 | 26.61 | 26.37 | 27.16 | 27.05 | 26.56 | 26.32 | 25.95 | 25.98 |
| 24   | 26.63 | 26.65 | 27.69 | 27.90 | 26.58 | 26.36 | 27.13 | 27.04 | 26.54 | 26.31 | 25.94 | 25.97 |
| 25   | 26.61 | 26.77 | 27.64 | 27.84 | 26.56 | 26.35 | 27.10 | 27.03 | 26.52 | 26.29 | 25.93 | 25.97 |
| 26   | 26.59 | 26.89 | 27.63 | 27.79 | 26.54 | 26.42 | 27.06 | 27.00 | 26.50 | 26.28 | 25.92 | 25.97 |
| 27   | 26.58 | 26.95 | 27.57 | 27.73 | 26.51 | 26.67 | 27.02 | 26.97 | 26.49 | 26.26 | 25.91 | 25.97 |
| 28   | 26.56 | 26.99 | 27.54 | 27.65 | 26.49 | 26.81 | 26.98 | 26.95 | 26.48 | ---   | 25.90 | 25.96 |
| 29   | 26.55 | 26.99 | 27.50 | 27.60 | ---   | 26.93 | 26.95 | 26.91 | 26.47 | ---   | 25.91 | 25.95 |
| 30   | 26.54 | 27.01 | 27.44 | 27.55 | ---   | 27.05 | 26.94 | 26.87 | 26.45 | ---   | 25.91 | 26.02 |
| 31   | 26.52 | ---   | 27.39 | 27.48 | ---   | 27.07 | ---   | 26.84 | ---   | ---   | 25.90 | ---   |
| MEAN | ---   | 26.74 | 27.65 | 27.35 | ---   | 26.48 | 27.12 | 26.85 | 26.63 | ---   | ---   | 25.96 |
| MAX  | ---   | 27.01 | 28.41 | 27.97 | ---   | 27.07 | 27.28 | 27.05 | 26.85 | ---   | ---   | 26.02 |
| MIN  | ---   | 26.50 | 26.96 | 26.79 | ---   | 26.32 | 26.94 | 26.68 | 26.45 | ---   | ---   | 25.86 |

## 12125200 SAMMAMISH RIVER NEAR WOODINVILLE, WA

LOCATION.--Lat 47°42'13", long 122°08'33", in NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.34, T.26 N., R.5 E., King County, Hydrologic Unit 17110012, on left bank 4.0 mi upstream from Bear Creek, 3.7 mi southeast of Woodinville, and at mile 10.8.

DRAINAGE AREA.--159 mi<sup>2</sup>, includes 1.9 mi<sup>2</sup> of Cedar River drainage from upper Rock Creek which is normally diverted into Issaquah Creek.

PERIOD OF RECORD.--January 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (Corps of Engineers bench mark). Prior to July 7, 1970, auxiliary water-stage recorder 2 mi downstream from base gage at same datum. Prior to May 16, 2005, at site 300 ft downstream at same datum.

REMARKS.--Records fair. Some regulation at Sammamish Lake. Many small diversions for irrigation and domestic use. Water temperatures August 1965 to February 1967.

AVERAGE DISCHARGE.--40 years (water years 1966-2005), 304 ft<sup>3</sup>/s, 25.96 in/yr, 220,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,870, ft<sup>3</sup>/s, Jan. 1, 1997, elevation, 26.93 ft; minimum daily discharge, 25 ft<sup>3</sup>/s, Aug. 2, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,160 ft<sup>3</sup>/s, Dec. 11, elevation, 21.44 ft; minimum daily discharge, 39 ft<sup>3</sup>/s, Aug. 16.

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     | 98    | 101   | 193    | 318    | 391    | e165   | 477    | 266    | e218   | 103   | 66    | 51    |
| 2     | 94    | 386   | 179    | 291    | 372    | e160   | 430    | 259    | e220   | 122   | 64    | 50    |
| 3     | 90    | 332   | 169    | 266    | 358    | e157   | 449    | 258    | e215   | 115   | 57    | 50    |
| 4     | 86    | 253   | 162    | 247    | 367    | e147   | 447    | 249    | e209   | 108   | 54    | 52    |
| 5     | 86    | 213   | 213    | 231    | 406    | e139   | 415    | 241    | e207   | 106   | 52    | 75    |
| 6     | 91    | 185   | 207    | 222    | 412    | e133   | 387    | 235    | e209   | 132   | 49    | 59    |
| 7     | 83    | 168   | 229    | 233    | 418    | e136   | 398    | 225    | e207   | 114   | 51    | 53    |
| 8     | 144   | 155   | 368    | 227    | 378    | e138   | 417    | 217    | e206   | 123   | 49    | 51    |
| 9     | 209   | 143   | 353    | 217    | 356    | e137   | 370    | 225    | e200   | 125   | 44    | 65    |
| 10    | 168   | 134   | 686    | 204    | 339    | e143   | 344    | 325    | e196   | 123   | 43    | 217   |
| 11    | 150   | 126   | 1,130  | 192    | 324    | e141   | 395    | 268    | e190   | 122   | 46    | 171   |
| 12    | 141   | 116   | 1,020  | 182    | 313    | e137   | 371    | 250    | e210   | 115   | 48    | 131   |
| 13    | 132   | 108   | 893    | 175    | 312    | e131   | 348    | 237    | e192   | 110   | 50    | 114   |
| 14    | 124   | 107   | 861    | 166    | 331    | e127   | 340    | 239    | e180   | 104   | 47    | 103   |
| 15    | 119   | 115   | 768    | 161    | e298   | e125   | 333    | 259    | 166    | 101   | 43    | 103   |
| 16    | 124   | 116   | 698    | 167    | e276   | e131   | 511    | e307   | 156    | 106   | 39    | 109   |
| 17    | 214   | 111   | 635    | 339    | e260   | e127   | 509    | e292   | 198    | 105   | 51    | 103   |
| 18    | 203   | 138   | 584    | 584    | e245   | e124   | 481    | e286   | 176    | 100   | 57    | 96    |
| 19    | 180   | 120   | 554    | 722    | e230   | e132   | 443    | e301   | 164    | 96    | 56    | 90    |
| 20    | 166   | 108   | 513    | 706    | e215   | e134   | 410    | e317   | 155    | 94    | 57    | 83    |
| 21    | 154   | 100   | 483    | 682    | e202   | e152   | 382    | e367   | 149    | 90    | 63    | 79    |
| 22    | 153   | 95    | 452    | 650    | e189   | e136   | 359    | e340   | 167    | 104   | 54    | 77    |
| 23    | 187   | 95    | 416    | 622    | e177   | e132   | 341    | e316   | 155    | 107   | 52    | 75    |
| 24    | 171   | 148   | 386    | 590    | e172   | e136   | 335    | e291   | 142    | 101   | 47    | 74    |
| 25    | 152   | 206   | 386    | 556    | e172   | e132   | 322    | e271   | 143    | 96    | 46    | 72    |
| 26    | 133   | 212   | 413    | 525    | e163   | e222   | 310    | e251   | 136    | 93    | 45    | 68    |
| 27    | 121   | 228   | 372    | 504    | e155   | 459    | 297    | e237   | 142    | 86    | 44    | 66    |
| 28    | 112   | 211   | 344    | 476    | e159   | 409    | 286    | e224   | 132    | 81    | 47    | 62    |
| 29    | 108   | 196   | 366    | 454    | ---    | 441    | 274    | e215   | 121    | 76    | 61    | 62    |
| 30    | 120   | 211   | 386    | 431    | ---    | 465    | 282    | e212   | 112    | 71    | 54    | 108   |
| 31    | 107   | ---   | 343    | 414    | ---    | 419    | ---    | e213   | ---    | 70    | 52    | ---   |
| TOTAL | 4,220 | 4,937 | 14,762 | 11,754 | 7,990  | 5,867  | 11,463 | 8,193  | 5,273  | 3,199 | 1,588 | 2,569 |
| MEAN  | 136   | 165   | 476    | 379    | 285    | 189    | 382    | 264    | 176    | 103   | 51.2  | 85.6  |
| MAX   | 214   | 386   | 1,130  | 722    | 418    | 465    | 511    | 367    | 220    | 132   | 66    | 217   |
| MIN   | 83    | 95    | 162    | 161    | 155    | 124    | 274    | 212    | 112    | 70    | 39    | 50    |
| AC-FT | 8,370 | 9,790 | 29,280 | 23,310 | 15,850 | 11,640 | 22,740 | 16,250 | 10,460 | 6,350 | 3,150 | 5,100 |
| CFSM  | 0.86  | 1.04  | 2.99   | 2.38   | 1.79   | 1.19   | 2.40   | 1.66   | 1.11   | 0.65  | 0.32  | 0.54  |
| IN.   | 0.99  | 1.16  | 3.45   | 2.75   | 1.87   | 1.37   | 2.68   | 1.92   | 1.23   | 0.75  | 0.37  | 0.60  |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 121    | 308    | 567    | 609    | 543    | 470    | 356    | 235    | 183    | 109    | 72.4   | 86.0   |
| MAX  | 338    | 681    | 1,078  | 1,318  | 1,066  | 1,214  | 675    | 421    | 373    | 258    | 124    | 189    |
| (WY) | (1982) | (1976) | (1976) | (1997) | (1982) | (1972) | (1991) | (1996) | (1993) | (1997) | (1976) | (1978) |
| MIN  | 49.8   | 70.1   | 186    | 246    | 200    | 189    | 115    | 114    | 84.7   | 56.0   | 33.1   | 43.0   |
| (WY) | (1988) | (1988) | (1977) | (1993) | (1977) | (2005) | (2004) | (2004) | (1992) | (2003) | (1994) | (1994) |

## LAKE WASHINGTON BASIN

12125200 SAMMAMISH RIVER NEAR WOODINVILLE, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1965 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 77,415                 |        | 81,815              |        |                         |              |
| ANNUAL MEAN              | 212                    |        | 224                 |        | 304                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 482                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 179                     |              |
| HIGHEST DAILY MEAN       | 1,550                  | Jan 30 | 1,130               | Dec 11 | 2,830                   | Jan 2, 1997  |
| LOWEST DAILY MEAN        | 56                     | Jul 22 | 39                  | Aug 16 | 25                      | Aug 2, 1977  |
| ANNUAL SEVEN-DAY MINIMUM | 58                     | Jul 19 | 45                  | Aug 10 | 29                      | Aug 16, 1994 |
| ANNUAL RUNOFF (AC-FT)    | 153,600                |        | 162,300             |        | 220,100                 |              |
| ANNUAL RUNOFF (CFSM)     | 1.33                   |        | 1.41                |        | 1.91                    |              |
| ANNUAL RUNOFF (INCHES)   | 18.11                  |        | 19.14               |        | 25.96                   |              |
| 10 PERCENT EXCEEDS       | 407                    |        | 430                 |        | 664                     |              |
| 50 PERCENT EXCEEDS       | 134                    |        | 171                 |        | 217                     |              |
| 90 PERCENT EXCEEDS       | 75                     |        | 62                  |        | 65                      |              |

e Estimated



12125900 NORTH CREEK BELOW PENNY CREEK, NEAR BOTHELL, WA

LOCATION.--Lat 47°49'13", long 122°12'42", in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.18, T.27 N., R.5 W., Snohomish County, Hydrologic Unit 17110012, on left bank at 196th Street SE, 4.0 mi north of Bothell, and 6.4 mi upstream from mouth.

DRAINAGE AREA.--14.2 mi<sup>2</sup>.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2005 (discontinued).

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

| Date      | Time | Medium code | Instantaneous discharge, cfs (00061) | Sampling depth, meters (00098) | 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 unfltrd 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Sulfate water, fltrd, mg/L (00945) | Mercury water fltrd, ng/L (50287) |
|-----------|------|-------------|--------------------------------------|--------------------------------|------------------------------------|--------------------------------|---|---|---|---------------------------------|-----------------------------------|------------------------------------|-----------------------------------|
| AUG 29... | 1010 | 9           | 38                                   | .50                            | 759                                | 9.8                            | 97  | 7.8   | 194   | 20.2                            | 14.8                              | 8.6                                | 1.58                              |
| 29...     | 1010 | H           | --                                   | .01                            | --                                 | --                             | --  | --  | --  | --                              | --                                | --                                 | --                                |

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

| Date      | Mercury suspnd sedimnt total, ng/L (62976) | Mercury solids, total, ng/g (62978) | Methylmercury water fltrd, ng/L (50285) | Methylmercury suspnd total, ng/L (62977) | Suspnd. sediment, sieve diametr percent <.063mm (70331) | Suspended sediment concentration mg/L (80154) |
|-----------|--|-------------------------------------|---|--|---|---|
| AUG 29... | 1.26                                       | --                                  | .08                                     | .050                                     | --  | 9   |
| 29...     | --   | 8.89                                | --                                      | --                                       | 4   | --  |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA

LOCATION.--Lat 47°41'45", long 122°16'30", in NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec.34, T.26 N., R.4 E., King County, Hydrologic Unit 17110012, on left bank, at highway crossing, 1.5 mi north of Seattle city limits, and at mile 0.25.

DRAINAGE AREA.--12.1 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1945 to September 1946, May 1961 to September 1968, March 1996 to current year.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 40 ft above NGVD of 1929, from topographic map. June 1945 to September 1946 at datum 0.09 ft higher.

REMARKS.--Records fair. Intermittent regulation and diversions. Natural flow affected by urbanization and flood-control catchments.

AVERAGE DISCHARGE.--17 years (water years 1946, 1962-68, 1997-2005), 11.3 ft<sup>3</sup>/s, 12.69 in/yr, 8,190 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 575 ft<sup>3</sup>/s, Oct. 20, 2003, gage height, 3.31 ft; minimum daily discharge, 0.39 ft<sup>3</sup>/s, Sept. 22, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 85 ft<sup>3</sup>/s, Nov. 2, Jan. 17, gage height, 2.37 ft; minimum discharge, 0.43 ft<sup>3</sup>/s, Aug. 16, gage height, 0.84 ft.

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     | 3.9   | 5.8   | 5.3   | 8.1   | 5.7   | 7.9   | 20    | 4.8   | 8.7   | 4.2   | 3.1  | 3.4   |
| 2     | 3.2   | 34    | 5.3   | 6.1   | 5.5   | 5.9   | 9.1   | 4.6   | 4.0   | 7.3   | 3.1  | 2.7   |
| 3     | 3.3   | 13    | 4.7   | 5.7   | 5.5   | 5.1   | 22    | 4.2   | 3.9   | 4.8   | 3.2  | 2.6   |
| 4     | 4.0   | 7.3   | 7.6   | 5.4   | 10    | 5.4   | 12    | 4.6   | 3.9   | 3.8   | 3.2  | 3.4   |
| 5     | 5.8   | 6.6   | 17    | 5.4   | 9.5   | 5.2   | 8.2   | 4.5   | 3.8   | 3.9   | 2.9  | 4.0   |
| 6     | 8.2   | 5.6   | 10    | 6.5   | 23    | 4.8   | 7.7   | 4.2   | 4.1   | 7.7   | 2.0  | 3.7   |
| 7     | 4.4   | 5.2   | 19    | 18    | 14    | 5.0   | 15    | 4.1   | 4.4   | 4.3   | 2.8  | 3.1   |
| 8     | 17    | 5.4   | 28    | 12    | 8.1   | 5.6   | 11    | 6.0   | 5.2   | 8.9   | 2.6  | 2.7   |
| 9     | 11    | 5.3   | 18    | 11    | 6.9   | 5.1   | 6.9   | 9.3   | 3.8   | 5.5   | 2.8  | 3.0   |
| 10    | 5.2   | 4.8   | 47    | 8.1   | 6.4   | 4.6   | 6.4   | 16    | 3.4   | 4.4   | 2.6  | 12    |
| 11    | 5.7   | 4.7   | 34    | 6.6   | 6.2   | 4.8   | 15    | 6.0   | 4.5   | 4.2   | 4.7  | 5.1   |
| 12    | 4.7   | 4.5   | 17    | 6.4   | 6.8   | 4.7   | 10    | 5.2   | 13    | 3.7   | 3.5  | 5.7   |
| 13    | 4.0   | 4.5   | 20    | 5.9   | 9.9   | 4.7   | 6.9   | 4.9   | 5.4   | 3.9   | 3.2  | 3.7   |
| 14    | 4.8   | 4.7   | 17    | 5.7   | 11    | 4.6   | 5.8   | 7.5   | 4.1   | 3.6   | 3.2  | 3.5   |
| 15    | 4.4   | 7.9   | 10    | 7.1   | 6.4   | 4.6   | 7.8   | 13    | 3.9   | 4.0   | 3.2  | 4.7   |
| 16    | 9.2   | 6.9   | 8.8   | 8.8   | 6.4   | 11    | 30    | 6.5   | 4.0   | 4.0   | 3.0  | 22    |
| 17    | 24    | 5.4   | 8.3   | 38    | 6.3   | 7.5   | 13    | 5.1   | 11    | 3.8   | 4.6  | 11    |
| 18    | 9.3   | 11    | 8.0   | 34    | 6.0   | 5.0   | 9.3   | 12    | 4.2   | 3.6   | 2.9  | 6.5   |
| 19    | 9.2   | 5.4   | 9.8   | 23    | 5.8   | 9.9   | 7.1   | 10    | 3.5   | 3.3   | 2.8  | 8.3   |
| 20    | 6.0   | 4.9   | 7.6   | 13    | 5.7   | 14    | 6.4   | 8.1   | 3.3   | 3.5   | 2.5  | 6.1   |
| 21    | 4.9   | 4.8   | 8.7   | 10    | 5.6   | 8.2   | 6.0   | 6.1   | 3.6   | 3.4   | 2.1  | 3.6   |
| 22    | 8.1   | 4.6   | 7.0   | 8.4   | 5.6   | 5.7   | 5.9   | 6.4   | 18    | 5.0   | 3.2  | 3.5   |
| 23    | 8.0   | 5.3   | 5.7   | 7.8   | 5.4   | 5.1   | 5.7   | 5.4   | 9.2   | 3.7   | 2.8  | 4.4   |
| 24    | 4.6   | 13    | 5.7   | 7.0   | 5.3   | 5.1   | 5.4   | 4.1   | 5.3   | 3.5   | 3.0  | 4.9   |
| 25    | 5.3   | 12    | 14    | 6.7   | 5.2   | 4.8   | 4.9   | 3.9   | 4.7   | 3.3   | 2.9  | 4.2   |
| 26    | 4.5   | 7.5   | 15    | 6.4   | 5.1   | 27    | 4.7   | 3.9   | 5.0   | 3.1   | 2.4  | 5.0   |
| 27    | 4.2   | 8.1   | 8.0   | 6.2   | 5.0   | 25    | 4.6   | 3.7   | 6.5   | 3.2   | 2.2  | 5.1   |
| 28    | 4.6   | 5.5   | 6.4   | 6.0   | 5.9   | 14    | 5.8   | 3.7   | 4.9   | 3.1   | 2.9  | 5.1   |
| 29    | 4.4   | 5.8   | 17    | 6.1   | ---   | 19    | 5.2   | 3.5   | 4.7   | 3.1   | 4.8  | 5.3   |
| 30    | 8.3   | 7.6   | 11    | 6.1   | ---   | 11    | 4.9   | 3.5   | 4.1   | 3.1   | 2.8  | 16    |
| 31    | 4.4   | ---   | 7.4   | 6.1   | ---   | 8.8   | ---   | 4.9   | ---   | 3.1   | 3.2  | ---   |
| TOTAL | 208.6 | 227.1 | 408.3 | 311.6 | 208.2 | 259.1 | 282.7 | 189.7 | 168.1 | 130.0 | 94.2 | 174.3 |
| MEAN  | 6.73  | 7.57  | 13.2  | 10.1  | 7.44  | 8.36  | 9.42  | 6.12  | 5.60  | 4.19  | 3.04 | 5.81  |
| MAX   | 24    | 34    | 47    | 38    | 23    | 27    | 30    | 16    | 18    | 8.9   | 4.8  | 22    |
| MIN   | 3.2   | 4.5   | 4.7   | 5.4   | 5.0   | 4.6   | 4.6   | 3.5   | 3.3   | 3.1   | 2.0  | 2.6   |
| AC-FT | 414   | 450   | 810   | 618   | 413   | 514   | 561   | 376   | 333   | 258   | 187  | 346   |
| CFSM  | 0.56  | 0.63  | 1.09  | 0.83  | 0.61  | 0.69  | 0.78  | 0.51  | 0.46  | 0.35  | 0.25 | 0.48  |
| IN.   | 0.64  | 0.70  | 1.26  | 0.96  | 0.64  | 0.80  | 0.87  | 0.58  | 0.52  | 0.40  | 0.29 | 0.54  |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 9.71   | 14.4   | 17.0   | 18.6   | 16.1   | 15.0   | 11.7   | 8.59   | 7.46   | 5.64   | 5.42   | 7.07   |
| MAX  | 18.0   | 29.8   | 30.7   | 36.2   | 45.0   | 34.4   | 25.8   | 13.8   | 15.1   | 10.1   | 10.1   | 17.3   |
| (WY) | (1946) | (1946) | (1946) | (1946) | (1946) | (1946) | (1946) | (1946) | (1964) | (1946) | (1945) | (1945) |
| MIN  | 4.18   | 7.31   | 9.78   | 10.1   | 7.44   | 8.27   | 5.95   | 5.83   | 3.62   | 3.26   | 1.79   | 1.27   |
| (WY) | (2003) | (2003) | (2001) | (2005) | (2005) | (2004) | (2004) | (2003) | (1997) | (1996) | (1999) | (1999) |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1945 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 2,867.4                |        | 2,661.9             |        |                         |              |
| ANNUAL MEAN              | 7.83                   |        | 7.29                |        | 11.3                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 23.0                    | 1946         |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 7.29                    | 2005         |
| HIGHEST DAILY MEAN       | 47                     | Dec 10 | 47                  | Dec 10 | 129                     | Dec 31, 1996 |
| LOWEST DAILY MEAN        | 2.1                    | Aug 19 | 2.0                 | Aug 6  | 0.39                    | Sep 22, 1999 |
| ANNUAL SEVEN-DAY MINIMUM | 2.8                    | Aug 13 | 2.7                 | Aug 21 | 0.52                    | Sep 9, 1999  |
| ANNUAL RUNOFF (AC-FT)    | 5,690                  |        | 5,280               |        | 8,190                   |              |
| ANNUAL RUNOFF (CFSM)     | 0.647                  |        | 0.603               |        | 0.934                   |              |
| ANNUAL RUNOFF (INCHES)   | 8.82                   |        | 8.18                |        | 12.69                   |              |
| 10 PERCENT EXCEEDS       | 14                     |        | 13                  |        | 22                      |              |
| 50 PERCENT EXCEEDS       | 5.8                    |        | 5.4                 |        | 8.6                     |              |
| 90 PERCENT EXCEEDS       | 3.6                    |        | 3.2                 |        | 4.0                     |              |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1996 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1996 to September 1998.

WATER TEMPERATURE: March 1996 to September 2004.

DISSOLVED OXYGEN: March to September 1996.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 330 microsiemens, Aug. 13, 1996, but may have been higher during periods of missing record;

minimum recorded, 46 microsiemens, Mar. 18, 1997, but may have been lower during periods of missing record.

WATER TEMPERATURE: Maximum recorded, 23.0°C (rounded), July 27, 1998; minimum recorded, 0.0°C (rounded), Dec. 29, 1996.

DISSOLVED OXYGEN: Maximum recorded, 12.7 mg/L, Mar. 20, 1996, but may have been higher during periods of missing record; minimum recorded, 5.0 mg/L, Apr. 7, 1996, but may have been lower during periods of missing record.

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

| Date  | Time | Instantaneous discharge, cfs (00061) | 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 unfltrd uS/cm 25 deg C (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Alkalinity, wat fltr inc tit field, mg/L as CaCO <sub>3</sub> (39086) | Bicarbonate, wat fltr incrm. titr., mg/L (00453) | Carbonate, wat fltr incrm. titr., mg/L (00452) | Chloride, water, fltrd, mg/L (00940) |
|-------|------|--------------------------------------|------------------------------------|--------------------------------|---|---|--|---------------------------------|-----------------------------------|---|--|--|--------------------------------------|
| OCT   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 13... | 1330 | 4.0                                  | 768                                | 9.6                            | 93  | 8.0   | 236  | 19.5                            | 14.2                              | 88  | 108  | .0   | 6.79                                 |
| NOV   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 10... | 1230 | 4.7                                  | 763                                | 10.5                           | 94  | 7.8   | 225  | 10.9                            | 10.7                              | 85  | 104  | .0   | 6.81                                 |
| DEC   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 14... | 1340 | 15                                   | 767                                | 10.9                           | 94  | 7.5   | 153  | 10.9                            | 9.3                               | 51  | 62   | .0   | 4.60                                 |
| JAN   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 12... | 1310 | 6.5                                  | 761                                | 12.0                           | 97  | 8.1   | 235  | 7.8                             | 6.0                               | 81  | 99   | .0   | 10.1                                 |
| FEB   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 09... | 1220 | 6.8                                  | 766                                | 12.1                           | 97  | 7.9   | 203  | 7.9                             | 6.1                               | 78  | 96   | .0   | 6.35                                 |
| MAR   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 09... | 1210 | 5.1                                  | 773                                | 11.1                           | 100   | 8.1   | 238  | 15.5                            | 11.4                              | 92  | 112  | .0   | 7.38                                 |
| 22... | 1150 | 5.7                                  | 752                                | 11.5                           | 100   | 7.9   | 218  | 11.7                            | 8.5                               | 84  | 102  | .0   | 6.51                                 |
| APR   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 12... | 1210 | 7.8                                  | 755                                | 11.9                           | 102   | 7.5   | 184  | 11.2                            | 8.4                               | 67  | 82   | .0   | 5.14                                 |
| 28... | 1210 | 5.9                                  | 759                                | 11.0                           | 106   | 7.8   | 206  | 19.2                            | 13.6                              | 77  | 93   | .0   | 5.64                                 |
| MAY   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 12... | 1210 | 5.1                                  | 763                                | 11.9                           | 114   | 7.9   | 233  | 19.7                            | 13.3                              | 88  | 108  | .0   | 6.20                                 |
| 24... | 1240 | 4.3                                  | 770                                | 10.0                           | 95  | 7.9   | 238  | --                              | 13.4                              | 89  | 108  | .0   | 6.40                                 |
| JUN   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 01... | 1200 | 7.5                                  | 761                                | 9.4                            | 93  | 7.6   | 162  | 17.6                            | 14.6                              | 59  | 72   | .0   | 4.57                                 |
| 08... | 1200 | 5.1                                  | 758                                | 10.0                           | 97  | 7.9   | 188  | 18.2                            | 13.8                              | 71  | 86   | .0   | 5.58                                 |
| 15... | 1330 | 3.4                                  | 758                                | 9.5                            | 96  | 7.9   | 213  | 19.3                            | 15.5                              | 79  | 96   | .0   | 5.80                                 |
| 21... | 0950 | 3.2                                  | 758                                | 9.3                            | 94  | 8.0   | 244  | 20.1                            | 15.5                              | 92  | 112  | .0   | 6.86                                 |
| 28... | 0930 | 5.1                                  | 760                                | 9.9                            | 98  | 7.9   | 228  | 15.9                            | 14.7                              | 86  | 105  | .0   | 6.27                                 |
| JUL   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 13... | 1000 | 3.5                                  | 767                                | 9.4                            | 94  | 7.9   | 244  | 18.0                            | 15.7                              | 89  | 109  | .0   | 7.03                                 |
| 20... | 1150 | 3.5                                  | 762                                | 9.6                            | 99  | 8.1   | 248  | 19.7                            | 16.5                              | 96  | 116  | .0   | 7.06                                 |
| 25... | 1050 | 3.6                                  | 761                                | 9.5                            | 96  | 8.0   | 248  | 23.3                            | 15.8                              | 91  | 111  | .0   | 7.01                                 |
| AUG   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 10... | 1140 | 2.7                                  | 768                                | 9.7                            | 100   | 7.8   | 251  | 17.8                            | 17.0                              | 92  | 112  | .0   | 7.45                                 |
| 16... | 1140 | 3.7                                  | 765                                | 9.5                            | 97  | 8.0   | 249  | 18.5                            | 16.5                              | 92  | 113  | .0   | 7.32                                 |
| 23... | 1130 | 2.9                                  | 765                                | 9.3                            | 94  | 8.0   | 250  | 23.0                            | 16.0                              | 93  | 113  | .0   | 7.14                                 |
| 29... | 1520 | 3.7                                  | 764                                | 7.4                            | 78  | 7.4   | 210  | 22.9                            | 18.3                              | --  | --   | --   | --                                   |
| SEP   |      |                                      |                                    |                                |   |   |  |                                 |                                   |   |  |  |                                      |
| 06... | 1230 | 4.6                                  | 769                                | 9.4                            | 94  | 7.9   | 237  | 23.3                            | 15.8                              | 87  | 107  | .0   | 6.88                                 |
| 20... | 1200 | 8.6                                  | 772                                | 9.8                            | 95  | 8.0   | 249  | 18.4                            | 14.4                              | 92  | 112  | .0   | 7.07                                 |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date         | Sulfate<br>water,<br>fltrd,<br>mg/L<br>(00945) | Ammonia<br>water,<br>fltrd,<br>mg/L<br>as N<br>(00608) | Nitrite<br>+<br>nitrate<br>water<br>fltrd,<br>mg/L<br>as N<br>(00631) | Nitrite<br>water,<br>fltrd,<br>mg/L<br>as N<br>(00613) | Total<br>nitro-<br>gen,<br>wat un-<br>f<br>by anal-<br>ysis,<br>mg/L<br>(62855) | Ortho-<br>phos-<br>phate,<br>water,<br>fltrd,<br>mg/L<br>as P<br>(00671) | Phos-<br>phorus,<br>water,<br>unfltrd<br>mg/L<br>(00665) | Mercury<br>water<br>fltrd,<br>ng/L<br>(50287) | Mercury<br>suspnd<br>sedimnt<br>total,<br>ng/L<br>(62976) | 1-Naph-<br>thol,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(49295) | 2,4,5-T<br>surrog,<br>water,<br>fltrd,<br>percent<br>recovery<br>(99958) | 2,4-D<br>methyl<br>ester,<br>water,<br>fltrd,<br>ug/L<br>(50470) | 2,4-D<br>water,<br>fltrd,<br>ug/L<br>(39732) |
|--------------|--|--|---|--|---|--|--|---|---|---|--|--|--|
| OCT<br>13... | 16.8   | E.03   | .99   | E.005  | 1.17  | .034   | .066   | --  | --  | <.09  | 89.9   | <.016  | <.04   |
| NOV<br>10... | 16.9   | <.04   | 1.10  | <.008  | 1.31  | .029   | .057   | --  | --  | <.09  | 94.5   | <.016  | <.04   |
| DEC<br>14... | 12.3   | E.03   | 1.19  | .010   | 1.44  | .018   | .050   | --  | --  | <.09  | 103  | <.016  | <.04   |
| JAN<br>12... | 16.9   | <.04   | 1.30  | .009   | 1.53  | .023   | .044   | --  | --  | <.09  | 96.4   | <.016  | <.04   |
| FEB<br>09... | 15.7   | E.02   | 1.15  | E.004  | 1.40  | .024   | .051   | --  | --  | <.09  | 110  | <.016  | <.04   |
| MAR<br>09... | 17.7   | <.04   | 1.06  | <.008  | 1.30  | .018   | .043   | --  | --  | <.09  | 95.0   | <.016  | <.04   |
| 22...        | 16.3   | <.04   | 1.02  | <.008  | 1.18  | .017   | .047   | --  | --  | <.09  | E155   | <.016  | <.04   |
| APR<br>12... | 13.3   | <.04   | .88   | E.004  | 1.16  | .013   | .042   | --  | --  | <.09  | 95.4   | <.016  | <.04   |
| 28...        | 13.0   | .05  | 1.28  | .023   | 1.95  | .022   | .114   | --  | --  | E.01  | E.0  | <.016  | E.79   |
| MAY<br>12... | 15.3   | E.03   | .95   | E.004  | 1.30  | .028   | .068   | --  | --  | <.09  | 97.2   | <.016  | <.04   |
| 24...        | 15.8   | .07  | 1.12  | .009   | 1.48  | .036   | .093   | --  | --  | <.09  | 72.8   | <.016  | <.04   |
| JUN<br>01... | 9.3  | <.04   | .67   | .010   | 1.29  | .013   | .114   | --  | --  | <.09  | E165   | <.027  | E.19   |
| 08...        | 12.0   | <.04   | .78   | .011   | 1.20  | .025   | .082   | --  | --  | <.09  | E53.9  | <.016  | <.22   |
| 15...        | 14.1   | E.03   | .81   | E.007  | 1.16  | .026   | .076   | --  | --  | <.09  | 97.4   | <.016  | .07  |
| 21...        | 16.7   | E.03   | 1.11  | .010   | 1.36  | .045   | .084   | --  | --  | <.09  | 97.1   | <.016  | <.04   |
| 28...        | 15.2   | E.03   | .88   | E.005  | 1.14  | .031   | .067   | --  | --  | <.09  | E119   | <.016  | <.04   |
| JUL<br>13... | 16.6   | <.04   | 1.05  | E.007  | 1.37  | .043   | .101   | --  | --  | <.09  | 110  | <.016  | .04  |
| 20...        | 16.9   | E.02   | 1.10  | E.005  | 1.23  | .046   | .091   | --  | --  | <.09  | 90.8   | <.016  | <.04   |
| 25...        | 17.0   | <.04   | 1.09  | E.007  | 1.31  | .046   | .089   | --  | --  | <.09  | E114   | <.016  | <.04   |
| AUG<br>10... | 17.1   | E.03   | .93   | E.007  | 1.49  | .032   | .144   | --  | --  | <.09  | E119   | <.016  | <.04   |
| 16...        | 17.6   | E.03   | .91   | E.004  | 1.35  | .051   | .098   | --  | --  | <.09  | E137   | <.016  | <.04   |
| 23...        | 17.5   | <.04   | 1.00  | E.005  | 1.27  | .050   | .101   | --  | --  | <.09  | E126   | <.016  | E.02   |
| 29...        | 15.2   | --   | --  | --   | --  | --   | --   | 4.80  | 2.87  | --  | --   | --   | --   |
| SEP<br>06... | 16.4   | <.04   | .78   | .008   | 1.30  | .025   | .088   | --  | --  | <.09  | E121   | <.016  | <.04   |
| 20...        | 17.7   | E.03   | .94   | E.005  | 1.13  | .044   | .101   | --  | --  | <.09  | E199   | <.016  | <.04   |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date  | 2,4-DB<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(38746) | 2,6-Di-<br>ethyl-<br>aniline<br>water<br>fltrd<br>0.7u GF<br>ug/L<br>(82660) | 2Chloro<br>-2',6'-<br>diethyl<br>acet-<br>anilide<br>wat flt<br>ug/L<br>(61618) | CIAT,<br>water,<br>fltrd,<br>ug/L<br>(04040) | CEAT,<br>water,<br>fltrd,<br>ug/L<br>(04038) | 2-Ethyl<br>-6-<br>methyl-<br>aniline<br>water,<br>fltrd,<br>ug/L<br>(61620) | OIET,<br>water,<br>fltrd,<br>ug/L<br>(50355) | 3,4-Di-<br>chloro-<br>aniline<br>water<br>fltrd,<br>ug/L<br>(61625) | 3,5-Di-<br>chloro-<br>aniline<br>water,<br>fltrd,<br>ug/L<br>(61627) | 3-<br>Hydroxy<br>carbo-<br>furan,<br>wat flt<br>0.7u GF<br>ug/L<br>(49308) | 3-Keto-<br>carbo-<br>furan,<br>water,<br>fltrd,<br>ug/L<br>(50295) | 4Chloro<br>2methyl<br>phenol,<br>water,<br>fltrd,<br>ug/L<br>(61633) | Aceto-<br>chlor,<br>water,<br>fltrd,<br>ug/L<br>(49260) |
|-------|---|--|---|--|--|---|--|---|--|--|--|--|---|
| OCT   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 13... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| NOV   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 10... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| DEC   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 14... | <.02  | <.006  | <.020   | <.006  | <.08   | <.004   | E.006  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| JAN   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 12... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| FEB   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 09... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| MAR   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 09... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| 22... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| APR   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 12... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| 28... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| MAY   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 12... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | --  | --   | <.008  | <.02   | <.006  | <.006   |
| 24... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| JUN   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 01... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | --   | <.008  | <.02   | <.006  | <.006   |
| 08... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.02   | <.006  | <.006   |
| 15... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.02   | <.006  | <.006   |
| 21... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.20   | <.006  | <.006   |
| 28... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.20   | <.006  | <.006   |
| JUL   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 13... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | --   | <.006  | <.006   |
| 20... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.02   | <.006  | <.006   |
| 25... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.25   | <.006  | <.006   |
| AUG   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 10... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.02   | <.006  | <.006   |
| 16... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.02   | <.006  | <.006   |
| 23... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.02   | <.006  | <.006   |
| 29... | --  | --   | --  | --   | --   | --  | --   | --  | --   | --   | --   | --   | --  |
| SEP   |   |  |   |  |  |   |  |   |  |  |  |  |   |
| 06... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.02   | <.006  | <.006   |
| 20... | <.02  | <.006  | <.005   | <.006  | <.08   | <.004   | <.032  | <.004   | <.004  | <.008  | <.02   | <.006  | <.006   |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date  | Aci-fluor-fen, water, fltrd<br>0.7u GF<br>(49315) | Ala-chlor, water, fltrd,<br>ug/L<br>(46342) | Aldi-carb sulfone water, fltrd<br>0.7u GF<br>(49313) | Aldi-carb sulf-oxide, wat flt<br>0.7u GF<br>(49314) | Aldi-carb, water, fltrd<br>0.7u GF<br>(49312) | alpha-Endo-sulfan, water, fltrd,<br>ug/L<br>(34362) | alpha-HCH-d6, surrog, Sch2003<br>wat flt<br>percent<br>recovery<br>(99995) | Amino-methyl-phos-phonic acid, wat flt<br>ug/L<br>(62649) | Atra-zine, water, fltrd,<br>ug/L<br>(39632) | Azin-phos-methyl oxon, water, fltrd,<br>ug/L<br>(61635) | Azin-phos-methyl, water, fltrd<br>0.7u GF<br>(82686) | Barban, surrog, Sched. 2060/9060, wat flt<br>pct rcv<br>(90640) | Bendio-carb, water, fltrd,<br>ug/L<br>(50299) |
|-------|---|---|--|---|---|---|--|---|---|---|--|---|---|
| OCT   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 13... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 95.1   | .1  | <.007                                       | <.07  | <.050  | 89.7  | <.02  |
| NOV   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 10... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 99.6   | .1  | <.007                                       | <.07  | <.050  | 74.2  | <.02  |
| DEC   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 14... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 105  | .1  | .013  | <.07  | <.050  | E46.5   | <.02  |
| JAN   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 12... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 90.0   | .2  | .007  | <.07  | <.050  | 84.6  | <.02  |
| FEB   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 09... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 101  | .1  | <.007                                       | <.07  | <.050  | 82.2  | <.02  |
| MAR   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 09... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 92.6   | <.1   | <.007                                       | <.07  | <.050  | 85.6  | <.02  |
| 22... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 88.8   | <.1   | <.007                                       | <.07  | <.050  | 80.6  | <.02  |
| APR   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 12... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 87.8   | <.1   | <.007                                       | <.07  | <.050  | 91.0  | <.02  |
| 28... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 114  | <.1   | <.007                                       | <.07  | <.050  | E86.1   | <.02  |
| MAY   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 12... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 108  | <.1   | <.007                                       | <.07  | <.050  | E59.9   | <.02  |
| 24... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 89.9   | <.1   | <.007                                       | <.07  | <.050  | 75.7  | <.02  |
| JUN   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 01... | <.028   | <.005                                       | <.02   | <.022   | <.04  | --  | 98.2   | .1  | <.007                                       | <.07  | <.050  | E30.7   | <.02  |
| 08... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 99.1   | <.1   | <.007                                       | <.07  | <.050  | E44.8   | <.02  |
| 15... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 94.3   | .1  | <.007                                       | <.07  | <.050  | E36.3   | <.02  |
| 21... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 103  | .1  | <.007                                       | <.07  | <.050  | E58.8   | <.02  |
| 28... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 103  | <.1   | <.007                                       | <.07  | <.050  | 74.6  | <.02  |
| JUL   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 13... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 88.8   | <.1   | <.007                                       | <.07  | <.050  | E24.2   | <.02  |
| 20... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 98.4   | <.1   | <.007                                       | <.07  | <.050  | E41.2   | <.02  |
| 25... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 107  | .1  | <.010                                       | <.07  | <.050  | 64.5  | <.02  |
| AUG   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 10... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 88.8   | .2  | <.007                                       | <.07  | <.050  | 64.3  | <.02  |
| 16... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 83.9   | <.1   | <.007                                       | <.07  | <.050  | 108   | <.02  |
| 23... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 105  | <.1   | <.007                                       | <.07  | <.050  | 101   | <.02  |
| 29... | --  | --  | --   | --  | --  | --  | --   | --  | --  | --  | --   | --  | --  |
| SEP   |   |   |  |   |   |   |  |   |   |   |  |   |   |
| 06... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 94.1   | .3  | <.007                                       | <.07  | <.050  | E105  | <.02  |
| 20... | <.028   | <.005                                       | <.02   | <.022   | <.04  | <.005   | 97.6   | .2  | <.007                                       | <.07  | <.050  | 117   | <.02  |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date         | Ben-<br>flur-<br>alin,<br>water,<br>fltrd<br>0.7u GF<br>(82673) | Benomyl<br>water,<br>fltrd,<br>ug/L<br>(50300) | Bensul-<br>furon,<br>water,<br>fltrd,<br>ug/L<br>(61693) | Ben-<br>tazon,<br>water,<br>fltrd<br>0.7u GF<br>(38711) | Broma-<br>cil,<br>water,<br>fltrd,<br>ug/L<br>(04029) | Brom-<br>oxynil,<br>water,<br>fltrd<br>0.7u GF<br>(49311) | Caf-<br>feine,<br>water,<br>fltrd,<br>ug/L<br>(50305) | Caf-<br>feine-<br>13C,<br>surrog,<br>wat flt<br>percent<br>recovry<br>(99959) | Car-<br>baryl,<br>water,<br>fltrd<br>0.7u GF<br>(49310) | Car-<br>baryl,<br>water,<br>fltrd<br>0.7u GF<br>(82680) | Carbo-<br>furan,<br>water,<br>fltrd<br>0.7u GF<br>(49309) | Carbo-<br>furan,<br>water,<br>fltrd<br>0.7u GF<br>(82674) | Chlor-<br>amben<br>methyl<br>ester,<br>water,<br>fltrd,<br>ug/L<br>(61188) |
|--------------|---|--|--|---|---|---|---|---|---|---|---|---|--|
| OCT<br>13... | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .034  | 121   | <.02  | <.041   | <.016   | --  | <.02   |
| NOV<br>10... | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .037  | 111   | <.02  | <.041   | <.016   | --  | <.02   |
| DEC<br>14... | <.010   | <.022  | <.02   | E.01  | <.02  | <.03  | .190  | 111   | <.02  | <.041   | <.016   | --  | <.02   |
| JAN<br>12... | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .053  | 109   | <.02  | E.009   | <.016   | --  | <.02   |
| FEB<br>09... | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .052  | 126   | E.01  | E.021   | <.016   | --  | <.02   |
| MAR<br>09... | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .054  | E140  | <.02  | E.009   | <.016   | --  | <.02   |
| 22...        | <.010   | E.005  | <.02   | <.01  | <.02  | <.03  | .209  | E147  | E.01  | E.023   | <.016   | --  | <.02   |
| APR<br>12... | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .111  | 105   | E.01  | E.016   | <.016   | --  | <.02   |
| 28...        | <.010   | <.025  | <.02   | <.02  | <.02  | <.03  | E.976   | E154  | .05   | E.075   | <.016   | --  | <.02   |
| MAY<br>12... | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | E.017   | E83.5   | <.02  | <.041   | <.016   | --  | <.02   |
| 24...        | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .021  | 102   | <.02  | <.041   | <.016   | --  | <.02   |
| JUN<br>01... | <.010   | <.024  | <.02   | <.02  | <.02  | <.03  | .362  | 112   | M   | E.009   | <.016   | --  | <.02   |
| 08...        | <.010   | <.034  | <.02   | <.02  | <.02  | <.03  | E.719   | E187  | <.02  | <.041   | <.016   | <.020   | <.02   |
| 15...        | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .248  | 125   | <.02  | <.041   | <.016   | <.020   | <.02   |
| 21...        | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .041  | 88.5  | <.02  | <.041   | <.016   | <.020   | <.02   |
| 28...        | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .037  | 113   | <.02  | <.041   | <.016   | <.020   | <.02   |
| JUL<br>13... | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | <.018   | 96.4  | <.02  | <.041   | <.016   | <.020   | <.02   |
| 20...        | <.010   | <.022  | <.02   | E.01  | <.02  | <.03  | .025  | 97.7  | <.02  | <.041   | <.016   | <.020   | <.02   |
| 25...        | <.010   | <.022  | <.02   | E.01  | <.02  | <.03  | .030  | 93.6  | <.02  | <.041   | <.016   | <.020   | <.02   |
| AUG<br>10... | <.010   | <.022  | <.02   | .02   | <.02  | <.03  | .040  | 82.7  | <.02  | <.041   | <.016   | <.020   | <.02   |
| 16...        | <.010   | <.022  | <.02   | E.01  | <.02  | <.03  | E.017   | 105   | <.02  | <.041   | <.016   | <.020   | <.02   |
| 23...        | <.010   | <.022  | <.02   | E.02  | <.02  | <.03  | .044  | 116   | <.02  | <.041   | <.016   | <.020   | <.02   |
| 29...        | --  | --   | --   | --  | --  | --  | --  | --  | --  | --  | --  | --  | --   |
| SEP<br>06... | <.010   | <.022  | <.02   | .03   | <.02  | <.03  | .323  | E91.6   | <.02  | E.010   | <.016   | <.020   | <.02   |
| 20...        | <.010   | <.022  | <.02   | <.01  | <.02  | <.03  | .025  | 117   | <.02  | <.041   | <.016   | <.020   | <.02   |



## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date  | Chlori-<br>muron,<br>water,<br>fltrd,<br>ug/L<br>(50306) | Chloro-<br>di-<br>amino-<br>s-tri-<br>azine,<br>wat flt<br>ug/L<br>(04039) | Chloro-<br>thalo-<br>nil,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(49306) | Chlor-<br>pyrifos<br>oxon,<br>water,<br>fltrd,<br>ug/L<br>(61636) | Chlor-<br>pyrifos<br>water,<br>fltrd,<br>ug/L<br>(38933) | cis-<br>Per-<br>methrin<br>water<br>fltrd<br>0.7u GF<br>ug/L<br>(82687) | cis-<br>Propi-<br>cona-<br>zole,<br>water,<br>fltrd,<br>ug/L<br>(79846) | Clopyr-<br>alid,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(49305) | Cyana-<br>zine,<br>water,<br>fltrd,<br>ug/L<br>(04041) | Cyclo-<br>ate,<br>water,<br>fltrd,<br>ug/L<br>(04031) | Cyflu-<br>thrin,<br>water,<br>fltrd,<br>ug/L<br>(61585) | lambda-<br>Cyhalo-<br>thrin,<br>water,<br>fltrd,<br>ug/L<br>(61595) | Cyper-<br>methrin<br>water,<br>fltrd,<br>ug/L<br>(61586) |
|-------|--|--|--|---|--|---|---|---|--|---|---|---|--|
| OCT   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 13... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | --  | <.02  | --   | <.01  | <.008   | --  | <.009  |
| NOV   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 10... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | --  | <.02  | --   | <.01  | <.008   | --  | <.009  |
| DEC   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 14... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | --  | <.02  | --   | <.01  | <.008   | --  | <.009  |
| JAN   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 12... | <.032  | <.04   | --   | <.06  | <.005  | <.006   | --  | <.02  | --   | <.01  | <.008   | --  | <.009  |
| FEB   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 09... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | --  | <.02  | --   | <.01  | <.008   | --  | <.009  |
| MAR   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 09... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | --  | <.02  | --   | <.01  | <.027   | --  | <.009  |
| 22... | <.032  | <.04   | <.04   | <.06  | <.018  | <.006   | --  | <.02  | --   | <.01  | <.027   | --  | <.009  |
| APR   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 12... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | --  | <.02  | --   | <.01  | <.027   | --  | <.009  |
| 28... | <.032  | <.04   | <.04   | <.06  | <.040  | <.006   | --  | --  | --   | <.01  | <.027   | --  | <.009  |
| MAY   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 12... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | --  | <.02  | --   | <.01  | <.027   | --  | <.009  |
| 24... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | --  | <.02  | --   | <.01  | <.027   | --  | <.009  |
| JUN   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 01... | <.032  | <.04   | <.04   | <.06  | <.015  | <.006   | --  | <.02  | --   | <.01  | <.027   | --  | <.009  |
| 08... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| 15... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| 21... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| 28... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| JUL   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 13... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| 20... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| 25... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| AUG   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 10... | <.032  | <.02   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| 16... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| 23... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| 29... | --   | --   | --   | --  | --   | --  | --  | --  | --   | --  | --  | --  | --   |
| SEP   |  |  |  |   |  |   |   |   |  |   |   |   |  |
| 06... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |
| 20... | <.032  | <.04   | <.04   | <.06  | <.005  | <.006   | <.008   | <.02  | <.018  | <.01  | <.027   | <.009   | <.009  |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date      | Dacthal mono-acid, water, fltrd<br>0.7u GF<br>(49304) | DCPA, water, fltrd<br>0.7u GF<br>(82682) | Desulf-inyl fipro-nil, water, fltrd,<br>ug/L<br>(62170) | Diaz-inon oxon, water, fltrd,<br>ug/L<br>(61638) | Diazi-non, water, fltrd,<br>ug/L<br>(39572) | Diazi-non-d10 surrog, Sch2003 wat flt percent recovry<br>(99994) | Dicamba water fltrd<br>0.7u GF<br>(38442) | Di-chlor-prop, water, fltrd<br>0.7u GF<br>(49302) | Dicro-tophos, water, fltrd,<br>ug/L<br>(38454) | Diel-drin, water, fltrd,<br>ug/L<br>(39381) | Dimeth-oate, water, fltrd<br>0.7u GF<br>(82662) | Dinoseb water, fltrd<br>0.7u GF<br>(49301) | Diphen-amid, water, fltrd,<br>ug/L<br>(04033) |
|-----------|---|--|---|--|---|--|---|---|--|---|---|--|---|
| OCT 13... | <.03  | <.003                                    | <.012   | <.01   | <.005                                       | 99.6   | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| NOV 10... | <.03  | <.003                                    | <.012   | <.01   | <.005                                       | 78.7   | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| DEC 14... | <.03  | <.003                                    | <.012   | <.01   | <.015                                       | 111  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| JAN 12... | <.03  | <.003                                    | <.012   | <.01   | .008  | 113  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| FEB 09... | <.03  | <.003                                    | <.012   | <.01   | <.005                                       | 113  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| MAR 09... | <.03  | <.003                                    | <.012   | <.01   | <.005                                       | 106  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| MAR 22... | <.03  | .003                                     | E.006   | <.01   | <.005                                       | 103  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| APR 12... | <.03  | E.002                                    | E.005   | <.01   | <.005                                       | 109  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| APR 28... | <.03  | E.002                                    | <.012   | <.01   | <.005                                       | 127  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| MAY 12... | <.03  | E.002                                    | E.004   | <.01   | <.005                                       | 118  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| MAY 24... | <.03  | <.003                                    | <.012   | <.01   | <.005                                       | 111  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| JUN 01... | <.03  | E.002                                    | E.004   | <.01   | <.005                                       | 117  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| JUN 08... | <.03  | E.002                                    | <.012   | --   | <.005                                       | 119  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| JUN 15... | <.03  | <.003                                    | <.012   | --   | <.005                                       | 104  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| JUN 21... | <.03  | <.003                                    | <.012   | --   | <.005                                       | 112  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| JUN 28... | <.03  | <.003                                    | E.004   | --   | <.005                                       | 116  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| JUL 13... | <.03  | <.003                                    | <.012   | --   | <.005                                       | 97.9   | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| JUL 20... | <.03  | <.003                                    | <.012   | --   | <.005                                       | 104  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| JUL 25... | <.03  | <.003                                    | <.012   | --   | <.005                                       | 110  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| AUG 10... | <.03  | <.003                                    | <.012   | --   | <.005                                       | 89.5   | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| AUG 16... | <.03  | <.003                                    | E.005   | --   | <.005                                       | 100  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| AUG 23... | <.03  | <.003                                    | <.012   | --   | <.005                                       | 112  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| AUG 29... | --  | --                                       | --  | --   | --  | --   | --  | --  | --   | --  | --  | --   | --  |
| SEP 06... | <.03  | <.003                                    | E.007   | --   | <.005                                       | 110  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |
| SEP 20... | <.03  | <.003                                    | <.012   | --   | <.005                                       | 100  | <.04                                      | <.03  | <.08   | <.009                                       | <.006   | <.04                                       | <.01  |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date      | Disulfoton sulfone water, fltrd, ug/L (61640) | Disulfoton, water, fltrd 0.7u GF ug/L (82677) | Diuron, water, fltrd 0.7u GF ug/L (49300) | Endosulfan sulfate water, fltrd, ug/L (61590) | EPTC, water, fltrd 0.7u GF ug/L (82668) | Ethion monoxon water, fltrd, ug/L (61644) | Ethion, water, fltrd, ug/L (82346) | Ethoprop, water, fltrd 0.7u GF ug/L (82672) | Fenamiphos sulfone water, fltrd, ug/L (61645) | Fenamiphos sulf-oxide, water, fltrd, ug/L (61646) | Fenamiphos, water, fltrd, ug/L (61591) | Fenuron water, fltrd 0.7u GF ug/L (49297) | Desulf-inyl-fipronil amide, wat flt ug/L (62169) |
|-----------|---|---|---|---|---|---|------------------------------------|---|---|---|--|---|--|
| OCT 13... | --  | --  | E.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| NOV 10... | --  | --  | <.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | --  | <.03                                   | <.02                                      | <.029  |
| DEC 14... | --  | --  | <.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | --  | <.03                                   | <.02                                      | <.029  |
| JAN 12... | --  | --  | <.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| FEB 09... | --  | --  | <.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| MAR 09... | --  | --  | <.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| MAR 22... | --  | --  | <.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| APR 12... | --  | --  | <.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| APR 28... | --  | --  | <.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| MAY 12... | --  | --  | <.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| MAY 24... | --  | --  | <.01                                      | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| JUN 01... | --  | --  | .02                                       | --  | --                                      | <.0020                                    | <.004                              | --  | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| JUN 08... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| JUN 15... | <.01  | <.02  | .02                                       | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| JUN 21... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| JUN 28... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| JUL 13... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| JUL 20... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| JUL 25... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| AUG 10... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.03                                      | <.029  |
| AUG 16... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| AUG 23... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| AUG 29... | --  | --  | --  | --  | --                                      | --  | --                                 | --  | --  | --  | --                                     | --  | --   |
| SEP 06... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |
| SEP 20... | <.01  | <.02  | <.01                                      | <.014   | <.004                                   | <.002                                     | <.004                              | <.005                                       | <.049   | <.04  | <.03                                   | <.02                                      | <.029  |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date      | Fipronil sulfide water, fltrd, ug/L (62167) | Fipronil sulfone water, fltrd, ug/L (62168) | Fipronil, water, fltrd, ug/L (62166) | Flumetsulam, water, fltrd, ug/L (61694) | Fluometuron water fltrd 0.7u GF ug/L (38811) | Fonofos oxon, water, fltrd, ug/L (61649) | Fonofos water, fltrd, ug/L (04095) | Glufosinate, water, fltrd 0.7u GF ug/L (62721) | Glyphosate, water, fltrd 0.7u GF ug/L (62722) | Hexazinone, water, fltrd, ug/L (04025) | Imazaquin, water, fltrd, ug/L (50356) | Imazethapyr, water, fltrd, ug/L (50407) | Imidacloprid water, fltrd, ug/L (61695) |
|-----------|---|---|--------------------------------------|---|--|--|------------------------------------|--|---|--|---------------------------------------|---|---|
| OCT 13... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | <.003                                    | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| NOV 10... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | <.003                                    | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| DEC 14... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | <.003                                    | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| JAN 12... | <.013                                       | <.024                                       | E.008                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| FEB 09... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | <.003                                    | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| MAR 09... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 22...     | <.013                                       | <.024                                       | E.008                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| APR 12... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 28...     | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| MAY 12... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | .1  | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 24...     | <.013                                       | <.024                                       | <.016                                | <.04                                    | M  | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| JUN 01... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | .5  | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 08...     | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | .2  | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 15...     | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | E.06                                  | <.04                                    | <.020                                   |
| 21...     | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 28...     | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| JUL 13... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 20...     | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 25...     | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| AUG 10... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 16...     | E.007                                       | <.024                                       | E.007                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 23...     | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |
| 29...     | --  | --  | --                                   | --                                      | --   | --                                       | --                                 | --   | --  | --                                     | --                                    | --                                      | --                                      |
| SEP 06... | <.013                                       | <.024                                       | <.016                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | .5  | <.013                                  | E.38                                  | <.04                                    | <.020                                   |
| 20...     | <.013                                       | <.024                                       | E.005                                | <.04                                    | <.02   | --                                       | <.003                              | <.1  | <.1   | <.013                                  | <.04                                  | <.04                                    | <.020                                   |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date         | Ipro-<br>dione,<br>water,<br>fltrd,<br>ug/L<br>(61593) | Isofen-<br>phos,<br>water,<br>fltrd,<br>ug/L<br>(61594) | Linuron<br>water<br>fltrd<br>0.7u GF<br>ug/L<br>(38478) | Mala-<br>oxon,<br>water,<br>fltrd,<br>ug/L<br>(61652) | Mala-<br>thion,<br>water,<br>fltrd,<br>ug/L<br>(39532) | MCPA,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(38482) | MCPB,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(38487) | Meta-<br>laxyl,<br>water,<br>fltrd,<br>ug/L<br>(50359) | Meta-<br>laxyl,<br>water,<br>fltrd,<br>ug/L<br>(61596) | Methi-<br>althion<br>water,<br>fltrd,<br>ug/L<br>(61598) | Methio-<br>carb,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(38501) | Meth-<br>omyl,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(49296) | Methyl<br>para-<br>oxon,<br>water,<br>fltrd,<br>ug/L<br>(61664) |
|--------------|--|---|---|---|--|--|--|--|--|--|---|---|---|
| OCT<br>13... | <.387  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| NOV<br>10... | <.387  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| DEC<br>14... | <.387  | <.003   | <.01  | <.030   | <.027  | --   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| JAN<br>12... | <.387  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| FEB<br>09... | <.387  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| MAR<br>09... | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 22...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| APR<br>12... | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 28...        | <.538  | <.003   | <.01  | <.040   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| MAY<br>12... | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 24...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| JUN<br>01... | <.538  | <.003   | <.01  | <.030   | E.017  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 08...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 15...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 21...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 28...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| JUL<br>13... | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 20...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 25...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| AUG<br>10... | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 16...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 23...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 29...        | --   | --  | --  | --  | --   | --   | --   | --   | --   | --   | --  | --  | --  |
| SEP<br>06... | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |
| 20...        | <.538  | <.003   | <.01  | <.030   | <.027  | <.03   | <.01   | <.01   | <.005  | <.006  | <.010   | <.020   | <.03  |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date         | Methyl<br>para-<br>thion,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(82667) | Methyl-<br>mercury<br>water<br>fltrd,<br>ng/L<br>(50285) | Metola-<br>chlor,<br>water,<br>fltrd,<br>ug/L<br>(39415) | Metri-<br>buzin,<br>water,<br>fltrd,<br>ug/L<br>(82630) | Metsul-<br>furon,<br>water,<br>fltrd,<br>ug/L<br>(61697) | Moli-<br>nate,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(82671) | Myclo-<br>butanil<br>water,<br>fltrd,<br>ug/L<br>(61599) | N-(4-<br>Chloro-<br>phenyl)<br>-N'-<br>methyl-<br>urea,<br>ug/L<br>(61692) | Neburon<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(49294) | Nico-<br>sul-<br>furon,<br>water,<br>fltrd,<br>ug/L<br>(50364) | Norflur<br>azon,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(49293) | Ory-<br>zalin,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(49292) | Oxamyl,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(38866) |
|--------------|--|--|--|---|--|---|--|--|--|--|---|---|--|
| OCT<br>13... | <.015  | --   | <.006  | <.006   | <.03   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| NOV<br>10... | <.015  | --   | <.006  | <.006   | <.03   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| DEC<br>14... | <.015  | --   | <.006  | <.006   | <.03   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| JAN<br>12... | <.015  | --   | <.006  | <.006   | <.03   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| FEB<br>09... | <.015  | --   | <.006  | <.006   | <.03   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| MAR<br>09... | <.015  | --   | <.006  | <.006   | <.03   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 22...        | <.015  | --   | <.006  | <.006   | <.06   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| APR<br>12... | <.015  | --   | <.006  | <.006   | E.11   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 28...        | <.015  | --   | <.006  | <.006   | E1.49  | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| MAY<br>12... | <.015  | --   | <.006  | <.006   | <.03   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 24...        | <.015  | --   | <.006  | <.006   | <.03   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| JUN<br>01... | <.015  | --   | <.006  | <.006   | E.36   | --  | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 08...        | <.015  | --   | <.006  | <.006   | <.65   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 15...        | <.015  | --   | <.006  | <.006   | E.26   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 21...        | <.015  | --   | <.006  | <.006   | <.03   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 28...        | <.015  | --   | <.006  | <.006   | <.03   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| JUL<br>13... | <.015  | --   | <.006  | <.006   | <.04   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 20...        | <.015  | --   | <.006  | <.006   | <.03   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 25...        | <.015  | --   | <.006  | <.006   | <.03   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| AUG<br>10... | <.015  | --   | <.006  | <.006   | <.03   | <.003   | <.010  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 16...        | <.015  | --   | <.006  | <.006   | <.03   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 23...        | <.015  | --   | <.006  | <.006   | <.03   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 29...        | --   | .18  | --   | --  | --   | --  | --   | --   | --   | --   | --  | --  | --   |
| SEP<br>06... | <.015  | --   | <.006  | <.006   | <.03   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |
| 20...        | <.015  | --   | <.006  | <.006   | <.03   | <.003   | <.008  | <.04   | <.01   | <.04   | <.02  | <.01  | <.03   |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date  | Oxy-<br>fluor-<br>fen,<br>water,<br>fltrd,<br>ug/L<br>(61600) | Pendi-<br>meth-<br>alin,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(82683) | Phorate<br>oxon,<br>water,<br>fltrd,<br>ug/L<br>(61666) | Phorate<br>water<br>fltrd<br>0.7u GF<br>ug/L<br>(82664) | Phosmet<br>oxon,<br>water,<br>fltrd,<br>ug/L<br>(61668) | Phosmet<br>water,<br>fltrd,<br>ug/L<br>(61601) | Pic-<br>loram,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(49291) | Prome-<br>ton,<br>water,<br>fltrd,<br>ug/L<br>(04037) | Prome-<br>tryn,<br>water,<br>fltrd,<br>ug/L<br>(04036) | Propy-<br>zamide,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(82676) | Pro-<br>panil,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(82679) | Propar-<br>gite,<br>water,<br>fltrd<br>0.7u GF<br>ug/L<br>(82685) | Propham<br>water<br>fltrd<br>0.7u GF<br>ug/L<br>(49236) |
|-------|---|---|---|---|---|--|---|---|--|--|---|---|---|
| OCT   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 13... | --  | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | E.01  | <.005  | <.004  | --  | --  | <.030   |
| NOV   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 10... | --  | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | <.01  | <.005  | <.004  | --  | --  | <.030   |
| DEC   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 14... | --  | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | <.01  | <.005  | <.004  | --  | --  | <.030   |
| JAN   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 12... | --  | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | .01   | <.005  | <.004  | --  | --  | <.030   |
| FEB   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 09... | --  | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | .01   | <.005  | <.004  | --  | --  | <.030   |
| MAR   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 09... | --  | <.022   | <.10  | <.011   | <.05  | <.008  | --  | E.01  | <.005  | <.004  | --  | --  | <.030   |
| 22... | --  | E.009   | <.10  | <.011   | <.05  | <.008  | --  | .01   | <.005  | <.004  | --  | --  | <.030   |
| APR   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 12... | --  | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | .01   | <.005  | <.004  | --  | --  | <.030   |
| 28... | --  | <.022   | <.10  | <.011   | <.05  | <.008  | --  | <.01  | <.005  | <.009  | --  | --  | <.030   |
| MAY   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 12... | --  | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | E.01  | <.005  | <.004  | --  | --  | <.030   |
| 24... | --  | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | .01   | <.005  | <.004  | --  | --  | <.030   |
| JUN   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 01... | --  | <.022   | <.10  | <.011   | --  | --   | <.03  | <.01  | <.005  | <.004  | --  | --  | <.030   |
| 08... | <.007   | <.022   | <.10  | <.011   | --  | --   | <.03  | <.01  | <.005  | <.004  | <.011   | <.02  | <.030   |
| 15... | <.007   | <.022   | <.10  | <.011   | --  | --   | <.03  | .01   | <.005  | <.004  | <.011   | <.02  | <.030   |
| 21... | <.007   | <.022   | <.10  | <.011   | --  | --   | <.03  | E.01  | <.005  | <.004  | <.011   | <.02  | <.030   |
| 28... | <.007   | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | E.01  | <.005  | <.004  | <.011   | <.02  | <.030   |
| JUL   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 13... | <.007   | <.022   | <.10  | <.011   | --  | --   | <.03  | E.01  | <.005  | <.004  | <.011   | <.02  | <.030   |
| 20... | <.007   | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | E.01  | <.005  | <.004  | <.011   | <.02  | <.030   |
| 25... | <.007   | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | <.01  | <.005  | <.004  | <.011   | <.02  | <.030   |
| AUG   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 10... | <.007   | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | E.01  | <.005  | <.004  | <.011   | <.02  | <.030   |
| 16... | <.007   | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | E.01  | <.005  | <.004  | <.011   | <.02  | <.030   |
| 23... | <.007   | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | E.01  | <.005  | <.004  | <.011   | <.02  | <.030   |
| 29... | --  | --  | --  | --  | --  | --   | --  | --  | --   | --   | --  | --  | --  |
| SEP   |   |   |   |   |   |  |   |   |  |  |   |   |   |
| 06... | <.007   | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | <.01  | <.005  | <.004  | <.011   | <.02  | <.030   |
| 20... | <.007   | <.022   | <.10  | <.011   | <.05  | <.008  | <.03  | E.01  | <.005  | <.004  | <.011   | <.02  | <.030   |

## 12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date         | Propi-<br>cona-<br>zole,<br>water,<br>fltrd,<br>ug/L<br>(50471) | Pro-<br>poxur,<br>water,<br>fltrd<br>0.7u GF<br>(38538) | Siduron<br>water,<br>fltrd,<br>ug/L<br>(38548) | Sima-<br>zine,<br>water,<br>fltrd,<br>ug/L<br>(04035) | Sulfo-<br>met-<br>ruron,<br>water,<br>fltrd,<br>ug/L<br>(50337) | Tebu-<br>thiuron<br>water<br>fltrd<br>0.7u GF<br>(82670) | Teflu-<br>thrin,<br>water,<br>fltrd,<br>ug/L<br>(61606) | Terba-<br>cil,<br>water,<br>fltrd,<br>ug/L<br>(04032) | Ter-<br>bufos<br>oxon<br>sulfone<br>water,<br>fltrd,<br>ug/L<br>(61674) | Terbu-<br>fos,<br>water,<br>fltrd<br>0.7u GF<br>(82675) | Ter-<br>buthyl-<br>azine,<br>water,<br>fltrd,<br>ug/L<br>(04022) | Thio-<br>bencarb<br>water<br>fltrd<br>0.7u GF<br>(82681) | trans-<br>Propi-<br>cona-<br>zole,<br>water,<br>fltrd,<br>ug/L<br>(79847) |
|--------------|---|---|--|---|---|--|---|---|---|---|--|--|---|
| OCT<br>13... | <.01  | <.008   | <.02   | .006  | <.038   | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| NOV<br>10... | <.01  | <.008   | <.02   | <.005   | <.038   | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| DEC<br>14... | <.01  | <.008   | <.02   | <.005   | <.038   | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| JAN<br>12... | <.01  | <.008   | <.02   | .007  | <.038   | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| FEB<br>09... | <.01  | <.008   | <.02   | <.005   | <.038   | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| MAR<br>09... | <.01  | <.008   | <.02   | <.005   | <.038   | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| 22...        | <.01  | <.008   | <.02   | .009  | .122  | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| APR<br>12... | <.01  | <.008   | <.02   | <.008   | E.027   | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| 28...        | <.01  | <.008   | <.02   | <.009   | .141  | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| MAY<br>12... | <.01  | <.008   | <.02   | <.006   | <.038   | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| 24...        | <.01  | <.008   | <.02   | <.005   | <.038   | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| JUN<br>01... | <.01  | <.008   | <.02   | <.005   | .565  | <.02   | --  | <.016   | <.07  | <.02  | <.01   | --   | --  |
| 08...        | <.01  | <.008   | <.02   | <.005   | <.050   | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| 15...        | <.01  | <.008   | <.02   | <.007   | E.036   | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| 21...        | <.01  | <.008   | <.02   | <.006   | <.038   | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| 28...        | <.01  | <.008   | <.02   | E.006   | .046  | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| JUL<br>13... | <.01  | <.008   | <.02   | E.007   | <.038   | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| 20...        | <.01  | <.008   | <.02   | <.005   | <.038   | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| 25...        | <.01  | <.008   | <.02   | .009  | <.038   | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| AUG<br>10... | <.01  | <.008   | <.02   | E.006   | <.038   | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| 16...        | <.01  | <.008   | <.02   | <.006   | <.038   | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| 23...        | <.01  | <.008   | <.02   | <.005   | <.038   | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| 29...        | --  | --  | --   | --  | --  | --   | --  | --  | --  | --  | --   | --   | --  |
| SEP<br>06... | <.01  | <.008   | <.02   | <.005   | .107  | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |
| 20...        | <.01  | <.008   | <.02   | E.004   | E.018   | <.02   | <.008   | <.016   | <.07  | <.02  | <.01   | <.010  | <.01  |

















## LAKE WASHINGTON BASIN

12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

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

| Date  | Di-chlor-<br>vos,<br>water<br>fltrd,<br>ug/L<br>(38775) | Methyl-<br>mercury<br>suspnd<br>sedimnt<br>total,<br>ng/L<br>(62977) | Sus-<br>pended<br>sedi-<br>ment<br>concen-<br>tration<br>mg/L<br>(80154) | Sus-<br>pended<br>sedi-<br>ment<br>dis-<br>charge,<br>tons/d<br>(80155) |
|-------|---|--|--|---|
| OCT   |   |  |  |   |
| 13... | <.01  | --   | 4  | .04   |
| NOV   |   |  |  |   |
| 10... | <.01  | --   | 4  | .05   |
| DEC   |   |  |  |   |
| 14... | <.01  | --   | 10   | .41   |
| JAN   |   |  |  |   |
| 12... | <.01  | --   | 6  | .11   |
| FEB   |   |  |  |   |
| 09... | <.01  | --   | 9  | .17   |
| MAR   |   |  |  |   |
| 09... | <.01  | --   | 5  | .07   |
| 22... | <.01  | --   | 3  | .05   |
| APR   |   |  |  |   |
| 12... | <.01  | --   | 4  | .08   |
| 28... | <.01  | --   | 23   | .37   |
| MAY   |   |  |  |   |
| 12... | <.01  | --   | 8  | .11   |
| 24... | <.01  | --   | 11   | .13   |
| JUN   |   |  |  |   |
| 01... | <.01  | --   | 19   | .38   |
| 08... | <.01  | --   | 9  | .12   |
| 15... | <.01  | --   | 10   | .09   |
| 21... | <.01  | --   | 7  | .06   |
| 28... | <.01  | --   | 5  | .07   |
| JUL   |   |  |  |   |
| 13... | <.01  | --   | 9  | .09   |
| 20... | <.01  | --   | 5  | .05   |
| 25... | <.01  | --   | 8  | .08   |
| AUG   |   |  |  |   |
| 10... | <.01  | --   | 14   | .10   |
| 16... | <.01  | --   | 9  | .09   |
| 23... | <.01  | --   | 8  | .06   |
| 29... | --  | .107   | 10   | .10   |
| SEP   |   |  |  |   |
| 06... | <.01  | --   | 8  | .10   |
| 20... | <.01  | --   | 16   | .37   |

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

| Date  | Time | Medium<br>code | Biomass<br>peri-<br>phyton,<br>ashfree<br>drymass<br>g/m2<br>(49954) | Peri-<br>phyton<br>biomass<br>ash<br>weight,<br>g/m2<br>(00572) | Peri-<br>phyton<br>biomass<br>dry<br>weight,<br>g/m2<br>(00573) | Pheo-<br>phytin<br>a,<br>peri-<br>phyton,<br>mg/m2<br>(62359) | Chloro-<br>phyll a<br>peri-<br>phyton,<br>chromo-<br>fluoro,<br>mg/m2<br>(70957) |
|-------|------|----------------|--|---|---|---|--|
| AUG   |      |                |  |   |   |   |  |
| 18... | 1100 | D              | 14.6   | 320   | 331.5   | 8.5   | 32.6   |

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

| Date  | Time | Medium<br>code | Mercury<br>solids,<br>total,<br>ng/g<br>(62978) | Suspnd.<br>sedi-<br>ment,<br>sieve<br>diametr<br>percent<br><.063mm<br>(70331) |
|-------|------|----------------|---|--|
| AUG   |      |                |   |  |
| 29... | 1520 | H              | 49.7  | 39   |