

03353200 EAGLE CREEK AT ZIONSVILLE, IN

LOCATION.--Lat 39°56'47", long 86°15'37", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.17 N., R.2 E., Boone County, Hydrologic Unit 05120201, (ZIONSVILLE, IN quadrangle), on right upstream end of Zionsville Road bridge over Eagle Creek, 0.15 mi south of Highway 334, 1.0 mi downstream from Little Eagle Creek, 0.34 mi downstream from Long Branch Ditch, and at mile 24.4.

DRAINAGE AREA.--106 mi².

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 813.85 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 9, 1957, nonrecording gage, and prior to Oct. 1, 1999 a continuous water-stage recorder at site 0.4 mi upstream and at datum 816.85 ft.

REMARKS.--Records good except for estimated daily discharges, which are poor. Prior to 1989, low flow affected by the Zionsville well field located on the right bank downstream of the gage.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 19.20 ft. from floodmark (datum 816.85 ft).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|---------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|
| 1 | 8.2 | 11 | 19 | 703 | e28 | e52 | 157 | 33 | 48 | 18 | e25 | 4,910 |
| 2 | 6.7 | 9.5 | 17 | 346 | e30 | e51 | 128 | 54 | 37 | 16 | e23 | 2,600 |
| 3 | 6.0 | 9.4 | 16 | 218 | 82 | e49 | 112 | 44 | 39 | 12 | e24 | 746 |
| 4 | 10 | 10 | 15 | 171 | 309 | e48 | 103 | 40 | 39 | 11 | e26 | 418 |
| 5 | 8.7 | 13 | 14 | 155 | e150 | 218 | 99 | 837 | 33 | 1,480 | e34 | 240 |
| 6 | 7.7 | 17 | 14 | 137 | e110 | 245 | 80 | 413 | 28 | 1,430 | e22 | 166 |
| 7 | 7.0 | 19 | 14 | 131 | e80 | 149 | 90 | 463 | 29 | 2,830 | e17 | 124 |
| 8 | 6.6 | 16 | 13 | 150 | e68 | 543 | 93 | 283 | 27 | 763 | e15 | 96 |
| 9 | 6.0 | 14 | 12 | 381 | e58 | 1,010 | 85 | 221 | 26 | 2,590 | e27 | 74 |
| 10 | 5.8 | 118 | 12 | 311 | e52 | 397 | 78 | 2,860 | 24 | 1,820 | e54 | 60 |
| 11 | 5.6 | 294 | 12 | e160 | e47 | 256 | 71 | 3,320 | 24 | 694 | e28 | 49 |
| 12 | 5.7 | 143 | 13 | e120 | e43 | 308 | 65 | 814 | 36 | 457 | e20 | 41 |
| 13 | 5.9 | 96 | 14 | e95 | e38 | 780 | 56 | 414 | 83 | 283 | e16 | 33 |
| 14 | 5.8 | 70 | 15 | e80 | e35 | 558 | 49 | 264 | 116 | 200 | e13 | 30 |
| 15 | 5.9 | 54 | 15 | e68 | e33 | 422 | 48 | 498 | 78 | 218 | e11 | 26 |
| 16 | 5.6 | 45 | 14 | e60 | e31 | 363 | 47 | 250 | 50 | 226 | e10 | 21 |
| 17 | 5.7 | 38 | 13 | e54 | e30 | 286 | 53 | 180 | 39 | e150 | e130 | 19 |
| 18 | 5.5 | 33 | 17 | e49 | e29 | 217 | 53 | 149 | 32 | e160 | e59 | 16 |
| 19 | 7.8 | 31 | 258 | e45 | e28 | 193 | 42 | 128 | 28 | e120 | e25 | 15 |
| 20 | 7.4 | 25 | 360 | e41 | e30 | 209 | 45 | 113 | 25 | e96 | e17 | 14 |
| 21 | 7.0 | 24 | 183 | e38 | e50 | 586 | 44 | 99 | 21 | e120 | e12 | 13 |
| 22 | 6.8 | 32 | 131 | e36 | 207 | 374 | 40 | 87 | 19 | e140 | e10 | 140 |
| 23 | 6.4 | 32 | 100 | e33 | 237 | 215 | 33 | 79 | 18 | e110 | 9.0 | 159 |
| 24 | 6.3 | 31 | 85 | e32 | e130 | 165 | 31 | 72 | 17 | e120 | 7.8 | 87 |
| 25 | 13 | 28 | 92 | e31 | e100 | 147 | 50 | 65 | 15 | e80 | 7.1 | 126 |
| 26 | 15 | 24 | 63 | e29 | e80 | 162 | 55 | 58 | 15 | e58 | 6.5 | 140 |
| 27 | 14 | 22 | 51 | e28 | e70 | 139 | 39 | 51 | 15 | e66 | 6.7 | 1,140 |
| 28 | 10 | 20 | 51 | e27 | e60 | 158 | 34 | 50 | 13 | e72 | 15 | 483 |
| 29 | 11 | 21 | 53 | e27 | --- | 703 | 34 | 59 | 13 | e54 | 16 | 260 |
| 30 | 12 | 22 | 253 | e26 | --- | 302 | 31 | 48 | 13 | e36 | 40 | 174 |
| 31 | 11 | --- | 987 | e26 | --- | 196 | --- | 58 | --- | e30 | 32 | --- |
| TOTAL | 246.1 | 1,321.9 | 2,926 | 3,808 | 2,245 | 9,501 | 1,945 | 12,104 | 1,000 | 14,460 | 758.1 | 12,420 |
| MEAN | 7.94 | 44.1 | 94.4 | 123 | 80.2 | 306 | 64.8 | 390 | 33.3 | 466 | 24.5 | 414 |
| MAX | 15 | 294 | 987 | 703 | 309 | 1,010 | 157 | 3,320 | 116 | 2,830 | 130 | 4,910 |
| MIN | 5.5 | 9.4 | 12 | 26 | 28 | 48 | 31 | 33 | 13 | 11 | 6.5 | 13 |
| CFSM | 0.07 | 0.42 | 0.89 | 1.16 | 0.76 | 2.89 | 0.61 | 3.68 | 0.31 | 4.40 | 0.23 | 3.91 |
| IN. | 0.09 | 0.46 | 1.03 | 1.34 | 0.79 | 3.33 | 0.68 | 4.25 | 0.35 | 5.07 | 0.27 | 4.36 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

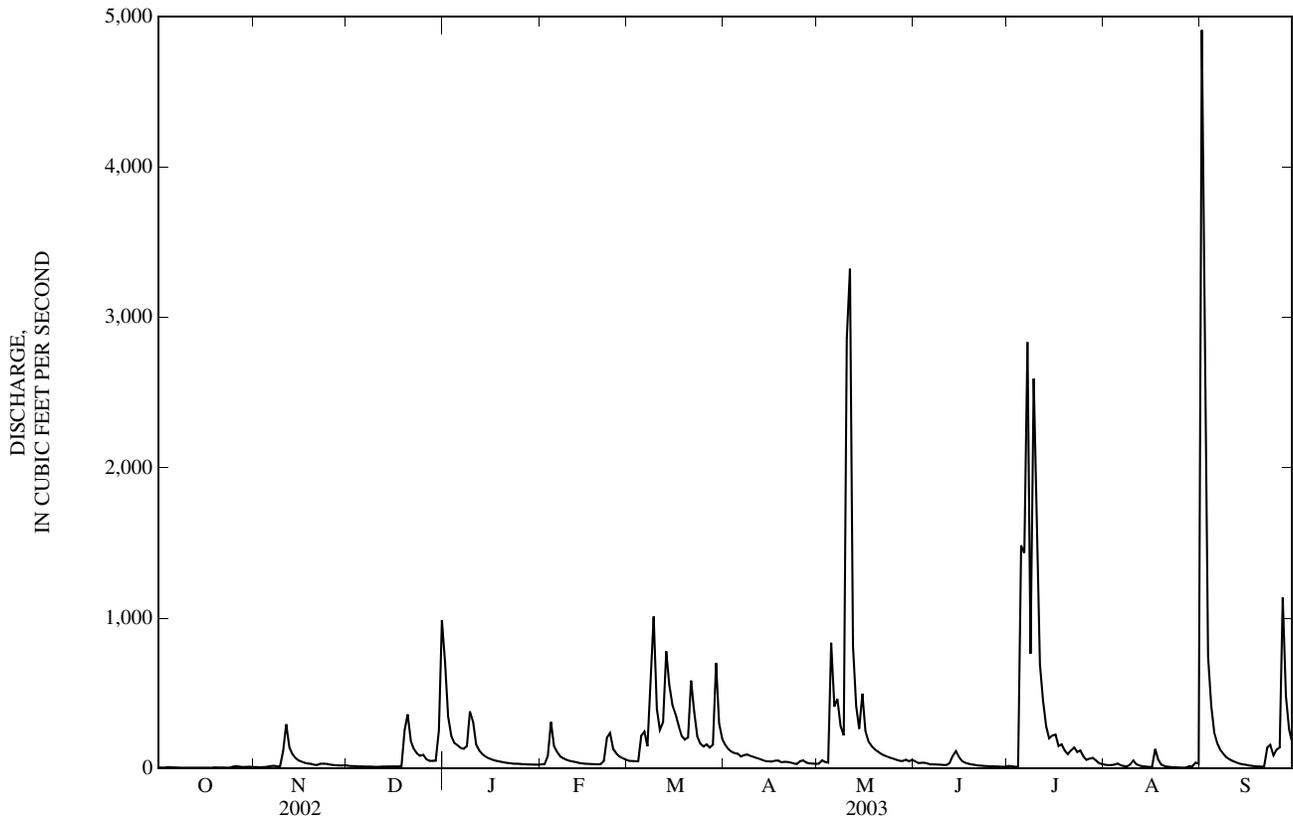
| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 27.1 | 81.9 | 121 | 116 | 148 | 194 | 171 | 118 | 93.0 | 67.6 | 34.2 | 29.2 |
| MAX | 330 | 542 | 530 | 452 | 423 | 459 | 532 | 456 | 523 | 520 | 444 | 414 |
| (WY) | (2002) | (1993) | (1991) | (1974) | (1976) | (1963) | (1964) | (1996) | (1958) | (1979) | (1958) | (2003) |
| MIN | 0.000 | 0.80 | 1.65 | 1.23 | 9.05 | 23.9 | 24.6 | 12.0 | 1.55 | 1.52 | 0.000 | 0.000 |
| (WY) | (1967) | (2000) | (1977) | (1977) | (1964) | (2000) | (2000) | (1988) | (1988) | (1966) | (1966) | (1966) |

WABASH RIVER BASIN

03353200 EAGLE CREEK AT ZIONSVILLE, IN—Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | FOR 2003 WATER YEAR | | WATER YEARS 1958 - 2003 | |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL | 48,335.4 | | 62,735.1 | | 99.8 | |
| ANNUAL MEAN | 132 | | 172 | | 188 | |
| HIGHEST ANNUAL MEAN | | | | | 15.9 | 1974 |
| LOWEST ANNUAL MEAN | | | | | 0.00 | 2000 |
| HIGHEST DAILY MEAN | 4,010 | May 13 | 4,910 | Sep 1 | 6,840 | Dec 30, 1990 |
| LOWEST DAILY MEAN | 2.0 | Sep 15 | 5.5 | Oct 18 | 0.00 | Sep 9, 1959 |
| ANNUAL SEVEN-DAY MINIMUM | 2.2 | Sep 12 | 5.7 | Oct 12 | 0.00 | Sep 15, 1959 |
| MAXIMUM PEAK FLOW | | | 7,470 | Sep 1 | 12,400 | Apr 20, 1964 |
| MAXIMUM PEAK STAGE | | | 12.34 | Sep 1 | 14.64 | Apr 20, 1964 |
| ANNUAL RUNOFF (CFSM) | 1.25 | | 1.62 | | 0.94 | |
| ANNUAL RUNOFF (INCHES) | 16.96 | | 22.02 | | 12.79 | |
| 10 PERCENT EXCEEDS | 277 | | 352 | | 216 | |
| 50 PERCENT EXCEEDS | 38 | | 48 | | 30 | |
| 90 PERCENT EXCEEDS | 5.7 | | 11 | | 1.3 | |

e Estimated



03353450 EAGLE CREEK RESERVOIR NEAR INDIANAPOLIS, IN

LOCATION.--Lat 39°49'20", long 86°18'11", in NW¹/₄NW¹/₄ sec. 22, T.16 N., R.2 E., Marion County, Hydrologic Unit 05120201, (CLERMONT, IN quadrangle), in outlet structure of reservoir on Eagle Creek, 800 ft upstream from Interstate Highway 74, 0.5 mi downstream from School Branch, 1.0 mi northeast of Clermont, and 2 mi west of Indianapolis.

DRAINAGE AREA.--162 mi².

PERIOD OF RECORD.--March 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed by earth-fill dam. Low flow is controlled through a 48-inch diameter conduit. Spillway elevation, 783 ft is an ogee section with 6 taintor gates, each 40 ft wide and 25 ft high. Permanent pool capacity is 24,000 acre-ft, elevation, 790.00 ft. Reservoir is used for flood control, low-flow maintenance, water supply, and recreation. Reservoir put into operation Nov. 27, 1969.

COOPERATION.--Water-stage elevations and capacity tables furnished by Indianapolis Flood Control District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 30,940 acre-ft May 11, 2003, elevation, 794.84 ft; minimum, 11,390 acre-ft Nov. 17-18, 1991, elevation, 778.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 30,940 acre-ft May 11, elevation, 794.84 ft; minimum, 21,910 acre-ft Oct. 25, elevation, 788.39 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Elevation (feet) | Contents (acre-feet) | Change in contents (acre-feet) |
|----------------|---------------------|-------------------------|-----------------------------------|
| Sept. 30 | 789.39 | 23,210 | |
| Oct. 31 | 788.50 | 22,050 | -1160 |
| Nov. 30 | 789.06 | 22,780 | +730 |
| Dec. 31 | 790.16 | 24,220 | +1440 |
| CAL YR 2002 | -- | -- | +1530 |
| Jan. 31 | 789.02 | 22,730 | -1490 |
| Feb. 28 | 788.99 | 22,690 | -40 |
| Mar. 31 | 790.37 | 24,520 | +1830 |
| Apr. 30 | 790.97 | 25,360 | +840 |
| May 31 | 790.95 | 25,330 | -30 |
| June 30 | 790.72 | 25,010 | -320 |
| July 31 | 791.28 | 25,790 | +780 |
| Aug. 31 | 790.81 | 25,130 | -660 |
| Sept. 30 | 790.51 | 24,710 | -420 |
| WTR YR 2003 | -- | -- | +1500 |

03353451 EAGLE CREEK BELOW RESERVOIR AT INDIANAPOLIS, IN

LOCATION.--Lat 39°49'20", long 86°18'11", in NW¹/₄NW¹/₄ sec. 22, T.16 N., R.2 E., Marion County, Hydrologic Unit 05120201, (CLERMONT, IN quadrangle), in outlet structure of reservoir on Eagle Creek, 800 ft upstream from Interstate Highway 74, 0.5 mi downstream from School Branch, 1.0 mi northeast of Clermont, and 2.0 mi west of Indianapolis.

DRAINAGE AREA.--162 mi².

PERIOD OF RECORD.--October 1992 to current year. Published as "03353450 Eagle Creek Reservoir near Indianapolis" October 1992 to September 1994.

GAGE.--Water stage recorder located 100 ft downstream of outlet structure. Datum of gage is 741.15 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Mean daily discharges below 50 ft³/s published. Unit discharges below 50 ft³/s available in district office. For a complete record of Eagle Creek in this vicinity use records of Eagle Creek at Indianapolis, IN (station 03353500) about 4.9 mile downstream. Prior to Oct. 1993, this station was published under Eagle Creek Reservoir at Indianapolis (station 03353450).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|------|------|------|-------|------|------|------|-------|------|
| 1 | 11 | 12 | 11 | --- | 11 | 13 | 11 | 10 | 14 | 13 | 13 | --- |
| 2 | 11 | 12 | 9.7 | 15 | 11 | 12 | 11 | 11 | 14 | 12 | 13 | --- |
| 3 | 13 | 12 | 10 | --- | --- | 13 | 11 | 11 | 14 | 12 | 13 | --- |
| 4 | 14 | 11 | 10 | --- | --- | 12 | --- | 12 | 14 | 12 | 13 | --- |
| 5 | 15 | 11 | 10 | --- | --- | --- | --- | 12 | 13 | 15 | 12 | --- |
| 6 | 15 | 11 | 10 | --- | --- | --- | 13 | --- | 14 | --- | 12 | --- |
| 7 | 15 | 11 | 10 | e13 | --- | --- | 12 | --- | 13 | --- | 11 | --- |
| 8 | 15 | 9.7 | 11 | 10 | --- | --- | --- | --- | 15 | --- | 12 | --- |
| 9 | 14 | 9.7 | 11 | --- | 12 | --- | 12 | --- | 13 | --- | 13 | --- |
| 10 | 13 | 10 | 11 | --- | --- | --- | 11 | --- | 13 | --- | 13 | --- |
| 11 | 12 | 13 | 11 | --- | 12 | --- | 12 | --- | 13 | 20 | 12 | --- |
| 12 | 13 | 13 | 11 | 11 | 12 | --- | --- | --- | 13 | --- | 12 | --- |
| 13 | 15 | --- | 11 | --- | 11 | --- | --- | 23 | 14 | --- | 11 | --- |
| 14 | 14 | --- | 10 | 12 | 11 | --- | 11 | --- | --- | --- | 10 | --- |
| 15 | 13 | --- | 10 | 12 | 11 | --- | 10 | --- | 17 | --- | 9.9 | 31 |
| 16 | 14 | --- | 10 | 11 | 12 | --- | 10 | 16 | 13 | 16 | 10 | e24 |
| 17 | 14 | 13 | 10 | 12 | 12 | --- | 13 | --- | 13 | 15 | --- | 23 |
| 18 | 13 | 12 | 9.9 | 13 | 11 | --- | 11 | --- | 13 | --- | --- | 22 |
| 19 | 12 | 11 | 9.9 | 15 | 10 | --- | 10 | --- | 14 | --- | --- | 19 |
| 20 | 13 | 11 | --- | 12 | 11 | --- | 11 | --- | 15 | --- | 19 | 12 |
| 21 | 13 | 12 | --- | 12 | 11 | --- | 12 | --- | 14 | --- | 13 | 12 |
| 22 | 13 | 12 | --- | 12 | 11 | --- | 12 | --- | 14 | --- | 12 | 12 |
| 23 | 13 | 11 | --- | 13 | --- | --- | 11 | --- | 14 | 16 | 13 | --- |
| 24 | 12 | 12 | --- | 13 | 14 | --- | 11 | 14 | 14 | 16 | 12 | --- |
| 25 | 13 | 12 | 13 | 12 | 14 | --- | 11 | 14 | 13 | 15 | 14 | --- |
| 26 | 12 | 12 | 13 | 11 | 13 | 11 | --- | 16 | 14 | 14 | 13 | --- |
| 27 | 12 | 12 | 12 | e12 | --- | 11 | 11 | 13 | 14 | 14 | 13 | --- |
| 28 | 11 | 11 | 11 | 12 | --- | 11 | 11 | 13 | 14 | 17 | 14 | --- |
| 29 | 12 | 9.9 | 12 | 11 | --- | --- | 10 | 14 | 13 | 14 | 14 | --- |
| 30 | 11 | 11 | --- | 11 | --- | 15 | 9.9 | 14 | 13 | 13 | 15 | --- |
| 31 | 11 | --- | --- | 11 | --- | 12 | --- | 14 | --- | 13 | --- | --- |
| TOTAL | 402 | 297.3 | 257.5 | 266 | 210 | 110 | 267.9 | 207 | 399 | 247 | 341.9 | 155 |
| MEAN | 13.0 | 11.4 | 10.7 | 12.1 | 11.7 | 12.2 | 11.2 | 13.8 | 13.8 | 14.5 | 12.7 | 19.4 |
| MAX | 15 | 13 | 13 | 15 | 14 | 15 | 13 | 23 | 17 | 20 | 19 | 31 |
| MIN | 11 | 9.7 | 9.7 | 10 | 10 | 11 | 9.9 | 10 | 13 | 12 | 9.9 | 12 |
| CFSM | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.09 | 0.08 | 0.09 | 0.08 | 0.12 |
| IN. | 0.09 | 0.07 | 0.06 | 0.06 | 0.05 | 0.03 | 0.06 | 0.05 | 0.09 | 0.06 | 0.08 | 0.04 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 9.03 | 9.08 | 9.00 | 9.55 | 9.73 | 11.0 | 13.9 | 12.5 | 11.4 | 10.8 | 9.16 | 9.21 |
| MAX | 13.0 | 12.6 | 12.0 | 13.3 | 12.0 | 16.0 | 24.2 | 23.0 | 14.4 | 14.5 | 13.0 | 19.4 |
| (WY) | (2003) | (2001) | (1997) | (1997) | (1997) | (1997) | (1996) | (1996) | (1997) | (2003) | (1999) | (2003) |
| MIN | 3.63 | 3.69 | 3.88 | 4.07 | 4.84 | 8.65 | 10.4 | 4.94 | 4.07 | 4.40 | 3.49 | 3.55 |
| (WY) | (1995) | (1995) | (1996) | (1996) | (1995) | (1994) | (2000) | (1993) | (1993) | (1993) | (1994) | (1994) |

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

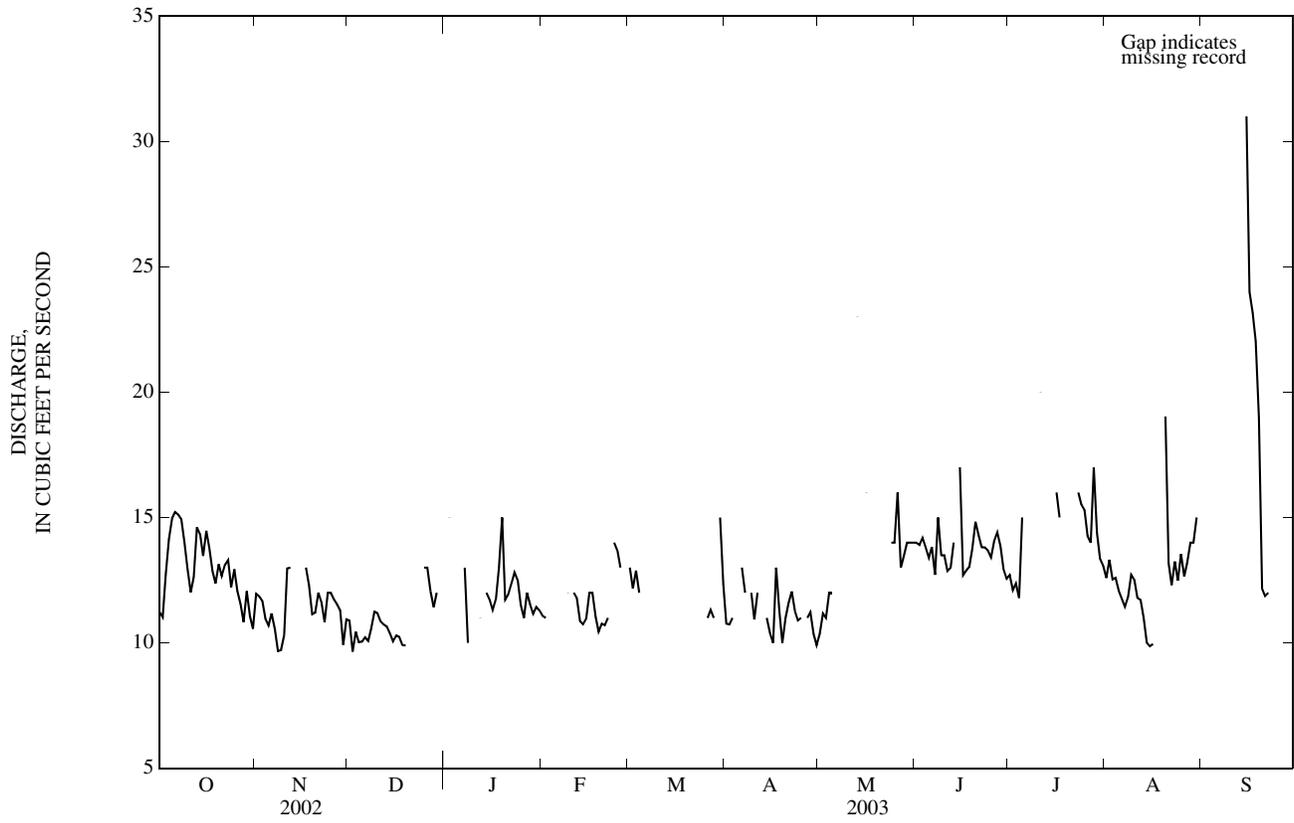
FOR 2003 WATER YEAR

WATER YEARS 1992 - 2003

| | | | | | | |
|--------------------------|---------|--------|---------|--------|-------|--------------|
| ANNUAL TOTAL | 2,360.8 | | 3,160.6 | | | |
| ANNUAL MEAN | 12.0 | | 12.6 | | 10.1 | |
| HIGHEST ANNUAL MEAN | | | | | 13.1 | |
| LOWEST ANNUAL MEAN | | | | | 4.34 | |
| HIGHEST DAILY MEAN | 17 | Jul 6 | 31 | Sep 15 | 34 | Apr 5, 1996 |
| LOWEST DAILY MEAN | 9.0 | Jan 23 | 9.7 | Nov 8 | 2.0 | Sep 14, 1994 |
| ANNUAL SEVEN-DAY MINIMUM | 10 | Dec 1 | 10 | Dec 1 | 2.3 | Sep 8, 1994 |
| ANNUAL RUNOFF (CFSM) | 0.074 | | 0.078 | | 0.062 | |
| ANNUAL RUNOFF (INCHES) | 0.54 | | 0.73 | | 0.84 | |
| 10 PERCENT EXCEEDS | 14 | | 15 | | 14 | |
| 50 PERCENT EXCEEDS | 12 | | 12 | | 11 | |
| 90 PERCENT EXCEEDS | 10 | | 10 | | 4.2 | |

e Estimated

03353451 EAGLE CREEK BELOW RESERVOIR AT INDIANAPOLIS, IN—Continued



03353500 EAGLE CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°46'33", long 86°15'01", in NW¹/₄NW¹/₄ sec.6, T.15 N., R.3 E., Marion County, Hydrologic Unit 05120201, (CLERMONT, IN quadrangle), on right bank at downstream side of bridge on Lynhurst Drive, approximately 600 ft south of intersection of West 10th Street and Lynhurst Drive, 0.5 mi downstream from West 10th Street bridge, 1.0 mi upstream from Vermont Street bridge, 3.0 mi upstream from Little Eagle Creek, and 7.1 mi upstream from mouth.

DRAINAGE AREA.--174 mi².

PERIOD OF RECORD.--November 1938 to current year.

REVISED RECORDS.--WSP 953: 1939. WSP 1625: 1958. WSP 2109: Drainage area. WDR IN-93-1: 1992.

GAGE.--Water-stage recorder. Datum of gage is 697.00 ft above National Geodetic Vertical Datum of 1929. Aug. 8, 1957 to June 30, 1958, temporary site during reconstruction of bridge on Lynhurst Drive, a nonrecording gage on downstream side of 10th Street bridge. Mar. 10, 1966 to Aug. 16, 1967, during channelization of Eagle Creek, a nonrecording gage on downstream side of Lynhurst Drive bridge. Prior to Oct. 1, 1967, at datum 9.21 ft higher, (erroneously published as 7.21 ft higher in 1992 report). Oct. 1, 1967 to Sept. 30, 1992 at datum 2 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated since November 1969 by Eagle Creek Reservoir, 4.7 mi upstream (see station 03353450).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 23.2 ft present datum, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 1 | e12 | e17 | e15 | e1,480 | 18 | 124 | 31 | 31 | 105 | 30 | 20 | 8,370 |
| 2 | e13 | e17 | e11 | e655 | 72 | 28 | 27 | 24 | 21 | 18 | 18 | 6,380 |
| 3 | e14 | e16 | e11 | e313 | 174 | 28 | 52 | 88 | 24 | 17 | 34 | 1,670 |
| 4 | e15 | e16 | e11 | e207 | 184 | 95 | 154 | 120 | 20 | 29 | 65 | 796 |
| 5 | e23 | e20 | e11 | e206 | 173 | 180 | 158 | 779 | 19 | 1,070 | 24 | 432 |
| 6 | e18 | e18 | e11 | e205 | 171 | 426 | 102 | 899 | 18 | 2,510 | 21 | 243 |
| 7 | e17 | e18 | e11 | e160 | 170 | 454 | 60 | 665 | 18 | 2,620 | 19 | 231 |
| 8 | e17 | e17 | e11 | e53 | 137 | 213 | 153 | 421 | 84 | 965 | 17 | 217 |
| 9 | e16 | e18 | e12 | e200 | 35 | 938 | 92 | 311 | 23 | 2,340 | 21 | 206 |
| 10 | e15 | e102 | e12 | e295 | 159 | 1,050 | 23 | 1,200 | 18 | 2,230 | 18 | 198 |
| 11 | e14 | e47 | e12 | 453 | 88 | 795 | 71 | 5,180 | 17 | 964 | 16 | 188 |
| 12 | e15 | e56 | e12 | 313 | 21 | 566 | 117 | 1,960 | 81 | 757 | 16 | 177 |
| 13 | e20 | e143 | e12 | 170 | 19 | 723 | 113 | 427 | 252 | 622 | 15 | 167 |
| 14 | e17 | e136 | e13 | 139 | 21 | 850 | 64 | 505 | 264 | 247 | 13 | 158 |
| 15 | e15 | e135 | e11 | 26 | 29 | 838 | 18 | 825 | 212 | 145 | 13 | 59 |
| 16 | e19 | e133 | e11 | 23 | 93 | 957 | 48 | 369 | 39 | 132 | 12 | 46 |
| 17 | e19 | e89 | e12 | 23 | 125 | 461 | 149 | 261 | 24 | 190 | 45 | 43 |
| 18 | e21 | e23 | e14 | 87 | 22 | 231 | 22 | 220 | 22 | 340 | 171 | 41 |
| 19 | e14 | e21 | e328 | 253 | 24 | 352 | 76 | 188 | 21 | 147 | 65 | 39 |
| 20 | e15 | e19 | e464 | 32 | 30 | 230 | 139 | 109 | 23 | 182 | 29 | 26 |
| 21 | e15 | e20 | e137 | 22 | 30 | 460 | 19 | 110 | 23 | 271 | 20 | 24 |
| 22 | e15 | e21 | e135 | 21 | 401 | 582 | 18 | 109 | 21 | 208 | 16 | 121 |
| 23 | e17 | e19 | e135 | 32 | 436 | 568 | 18 | 110 | 20 | 171 | 17 | 190 |
| 24 | e16 | e70 | e134 | 20 | 351 | 424 | 16 | 81 | 20 | 34 | 16 | 185 |
| 25 | e35 | e79 | e80 | 19 | 35 | 255 | 80 | 22 | 18 | 29 | 15 | 189 |
| 26 | e19 | e19 | e27 | 97 | 106 | 243 | 196 | 68 | 26 | 27 | 15 | 215 |
| 27 | e16 | e17 | e15 | 214 | 161 | 30 | 123 | 78 | 24 | 43 | 44 | 412 |
| 28 | e15 | e16 | e14 | 21 | 158 | 174 | 21 | 30 | 21 | 193 | 21 | 846 |
| 29 | e32 | e15 | e22 | 18 | --- | 664 | 20 | 60 | 19 | 28 | 61 | 864 |
| 30 | e21 | e13 | e118 | 18 | --- | 766 | 17 | 125 | 18 | 24 | 98 | 672 |
| 31 | e17 | --- | e680 | 18 | --- | 41 | --- | 100 | --- | 22 | 272 | --- |
| TOTAL | 547 | 1,350 | 2,502 | 5,793 | 3,443 | 13,746 | 2,197 | 15,475 | 1,515 | 16,605 | 1,247 | 23,405 |
| MEAN | 17.6 | 45.0 | 80.7 | 187 | 123 | 443 | 73.2 | 499 | 50.5 | 536 | 40.2 | 780 |
| MAX | 35 | 143 | 680 | 1,480 | 436 | 1,050 | 196 | 5,180 | 264 | 2,620 | 272 | 8,370 |
| MIN | 12 | 13 | 11 | 18 | 18 | 28 | 16 | 22 | 17 | 17 | 12 | 24 |
| CFSM | 0.10 | 0.26 | 0.46 | 1.07 | 0.71 | 2.55 | 0.42 | 2.87 | 0.29 | 3.08 | 0.23 | 4.48 |
| IN. | 0.12 | 0.29 | 0.53 | 1.24 | 0.74 | 2.94 | 0.47 | 3.31 | 0.32 | 3.55 | 0.27 | 5.00 |

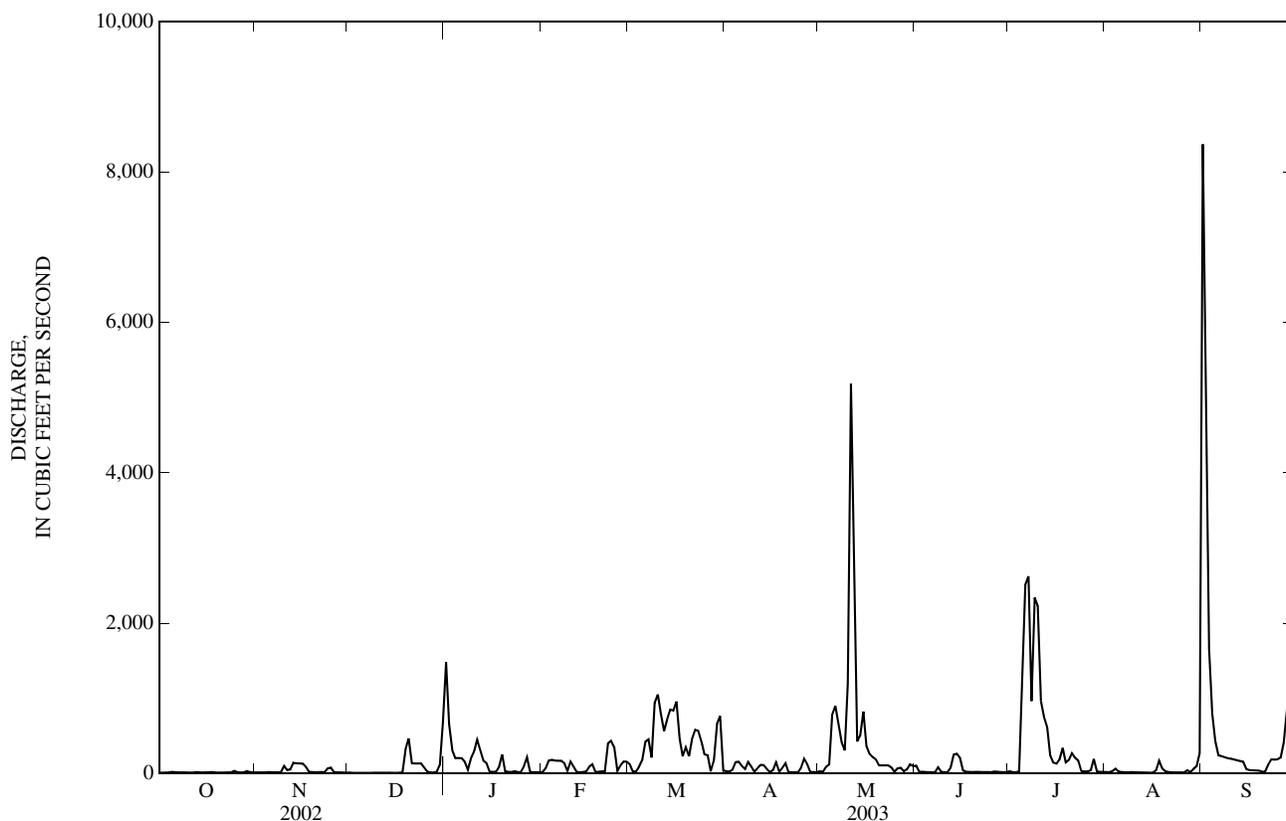
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 40.3 | 110 | 163 | 201 | 239 | 303 | 295 | 221 | 149 | 91.2 | 38.3 | 50.2 |
| MAX | 574 | 851 | 906 | 1,485 | 765 | 900 | 906 | 1,127 | 904 | 800 | 490 | 780 |
| (WY) | (2002) | (1993) | (1991) | (1950) | (1976) | (1978) | (1964) | (1943) | (1957) | (1979) | (1958) | (2003) |
| MIN | 1.52 | 3.05 | 3.48 | 4.06 | 10.8 | 16.5 | 25.4 | 14.3 | 4.66 | 3.69 | 0.19 | 0.40 |
| (WY) | (1941) | (1941) | (1945) | (1945) | (1998) | (2000) | (2000) | (1976) | (1988) | (1968) | (1941) | (1941) |

03353500 EAGLE CREEK AT INDIANAPOLIS, IN—Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | FOR 2003 WATER YEAR | | WATER YEARS 1939 - 2003 | |
|--------------------------|------------------------|--------|---------------------|-------|-------------------------|--------------|
| ANNUAL TOTAL | 78,705.5 | | 87,825 | | 158 | |
| ANNUAL MEAN | 216 | | 241 | | 316 | |
| HIGHEST ANNUAL MEAN | | | | | 18.8 | |
| LOWEST ANNUAL MEAN | | | | | 1941 | |
| HIGHEST DAILY MEAN | 7,290 | May 13 | 8,370 | Sep 1 | 9,890 | Dec 30, 1990 |
| LOWEST DAILY MEAN | 9.7 | Aug 31 | 11 | Dec 2 | 0.00 | Aug 7, 1941 |
| ANNUAL SEVEN-DAY MINIMUM | 10 | Aug 30 | 11 | Dec 2 | 0.01 | Aug 22, 1941 |
| MAXIMUM PEAK FLOW | | | 15,900 | Sep 1 | 28,800 | Jun 28, 1957 |
| MAXIMUM PEAK STAGE | | | 16.57 | Sep 1 | 23.59 | Jun 28, 1957 |
| ANNUAL RUNOFF (CFSM) | 1.24 | | 1.38 | | 0.91 | |
| ANNUAL RUNOFF (INCHES) | 16.83 | | 18.78 | | 12.34 | |
| 10 PERCENT EXCEEDS | 522 | | 574 | | 358 | |
| 50 PERCENT EXCEEDS | 35 | | 46 | | 38 | |
| 90 PERCENT EXCEEDS | 13 | | 15 | | 6.1 | |

e Estimated



03353600 LITTLE EAGLE CREEK AT SPEEDWAY, IN

LOCATION.--Lat 39°47'15", long 86°13'41", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.16 N., R.3 E., Marion County, Hydrologic Unit 05120201, (INDIANAPOLIS WEST, IN quadrangle), on right bank at downstream side of 16th Street bridge in Speedway, 0.6 mi upstream from Dry Run, and 2.3 mi upstream from mouth.

DRAINAGE AREA.--24.3 mi² including 5.57 mi² from Dry Run basin. Since June 1964 part of the flow from the 5.57 mi² of Dry Run basin has been diverted into Little Eagle Creek above gage.

PERIOD OF RECORD.--October 1959 to current year. Figures of runoff for June 1964 to September 1966 have been found to be in error and should not be used.

REVISED RECORDS.--WDR IN-95-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 707.82 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to June 13, 1975, at datum 3.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|---------|-------|---------|-------|---------|-------|---------|
| 1 | 4.1 | 6.0 | 10 | 74 | e2.1 | e7.4 | 25 | 29 | 13 | 4.3 | 4.1 | 2,130 |
| 2 | 3.9 | 5.4 | 9.8 | 42 | e2.7 | e6.7 | 20 | 30 | 9.4 | 16 | 3.8 | 450 |
| 3 | 6.7 | 6.6 | 9.8 | 31 | e21 | e6.2 | 16 | 12 | 15 | 5.9 | 26 | 103 |
| 4 | 30 | 8.1 | 9.2 | 24 | 70 | e5.8 | 16 | 18 | 11 | 24 | 42 | 55 |
| 5 | 15 | 16 | 9.1 | 25 | e22 | 86 | 15 | 255 | 8.0 | 599 | 18 | 34 |
| 6 | 7.9 | 18 | 9.0 | 27 | e15 | 55 | 12 | 76 | 7.2 | 148 | 8.4 | 23 |
| 7 | 6.2 | 7.7 | 8.7 | 23 | e12 | 43 | 20 | 173 | 7.2 | 45 | 6.1 | 17 |
| 8 | 4.6 | 5.4 | 8.8 | 24 | e10 | 82 | 15 | 46 | 6.6 | 46 | 5.0 | 14 |
| 9 | 3.1 | 6.3 | 8.4 | 27 | e8.6 | 97 | 12 | 74 | 5.6 | 151 | 42 | 11 |
| 10 | 2.4 | 247 | 8.2 | 19 | e7.3 | 46 | 10 | 282 | 6.4 | 191 | 19 | 9.7 |
| 11 | 2.3 | 85 | 12 | e13 | e6.5 | 32 | 9.1 | 280 | 8.6 | 51 | 8.4 | 8.7 |
| 12 | 2.2 | 31 | 14 | e11 | e6.0 | 29 | 8.3 | 61 | 47 | 32 | 8.8 | 7.8 |
| 13 | 2.3 | 20 | 13 | e9.4 | e5.4 | 95 | 7.5 | 34 | 125 | 18 | 6.0 | 7.0 |
| 14 | 2.2 | 14 | 22 | e8.6 | e5.0 | 57 | 7.0 | 38 | 118 | 13 | 4.9 | 6.8 |
| 15 | 2.0 | 13 | 16 | e9.0 | e4.7 | 39 | 6.7 | 61 | 39 | 23 | 4.1 | 6.1 |
| 16 | 1.8 | 13 | 13 | e7.5 | e4.4 | 33 | 6.3 | 24 | 23 | 16 | 3.7 | 5.7 |
| 17 | 1.8 | 11 | 13 | e6.2 | e4.2 | 27 | 25 | 19 | 16 | 9.7 | 200 | 5.3 |
| 18 | 1.8 | 8.8 | 20 | e5.2 | e3.9 | 24 | 20 | 17 | 12 | 35 | 25 | 5.1 |
| 19 | 13 | 11 | 126 | e4.3 | e3.8 | 34 | 11 | 14 | 9.5 | 14 | 11 | 5.0 |
| 20 | 9.6 | 10 | 71 | e3.6 | e3.8 | 30 | 11 | 13 | 7.7 | 8.8 | 7.7 | 4.8 |
| 21 | 3.0 | 13 | 28 | e3.2 | e5.0 | 50 | 13 | 11 | 6.4 | 64 | e5.4 | 4.5 |
| 22 | 2.5 | 23 | 19 | e2.8 | 130 | 29 | 9.4 | 9.0 | 5.6 | 21 | e4.0 | 161 |
| 23 | 2.3 | 14 | 13 | e2.4 | 70 | 22 | 7.1 | 8.4 | 5.9 | 18 | e3.0 | 27 |
| 24 | 2.3 | 10 | e12 | e2.3 | 43 | 19 | 6.2 | 7.5 | 5.1 | 17 | e2.6 | 13 |
| 25 | 40 | 8.7 | e15 | e2.2 | e27 | 45 | 50 | 7.0 | 4.8 | 8.4 | e2.3 | 27 |
| 26 | 21 | 7.9 | e13 | e2.1 | e19 | 49 | 30 | 6.7 | 12 | 6.2 | e2.0 | 43 |
| 27 | 7.4 | 7.7 | e12 | e2.1 | e14 | 27 | 14 | 6.2 | 13 | 15 | 39 | 178 |
| 28 | 4.8 | 7.7 | e11 | e2.0 | e11 | 71 | 11 | 20 | 5.8 | 17 | 7.0 | 32 |
| 29 | 37 | 7.8 | e13 | e2.0 | --- | 164 | 10 | 31 | 4.6 | 8.6 | 81 | 19 |
| 30 | 20 | 9.3 | e80 | e1.9 | --- | 50 | 8.3 | 11 | 4.3 | 5.7 | 43 | 13 |
| 31 | 9.2 | --- | 153 | e1.9 | --- | 33 | --- | 39 | --- | 4.8 | 35 | --- |
| TOTAL | 272.4 | 652.4 | 780.0 | 418.7 | 537.4 | 1,394.1 | 431.9 | 1,712.8 | 562.7 | 1,636.4 | 678.3 | 3,426.5 |
| MEAN | 8.79 | 21.7 | 25.2 | 13.5 | 19.2 | 45.0 | 14.4 | 55.3 | 18.8 | 52.8 | 21.9 | 114 |
| MAX | 40 | 247 | 153 | 74 | 130 | 164 | 50 | 282 | 125 | 599 | 200 | 2,130 |
| MIN | 1.8 | 5.4 | 8.2 | 1.9 | 2.1 | 5.8 | 6.2 | 6.2 | 4.3 | 4.3 | 2.0 | 4.5 |
| CFSM | 0.36 | 0.89 | 1.04 | 0.56 | 0.79 | 1.85 | 0.59 | 2.27 | 0.77 | 2.17 | 0.90 | 4.70 |
| IN. | 0.42 | 1.00 | 1.19 | 0.64 | 0.82 | 2.13 | 0.66 | 2.62 | 0.86 | 2.51 | 1.04 | 5.25 |

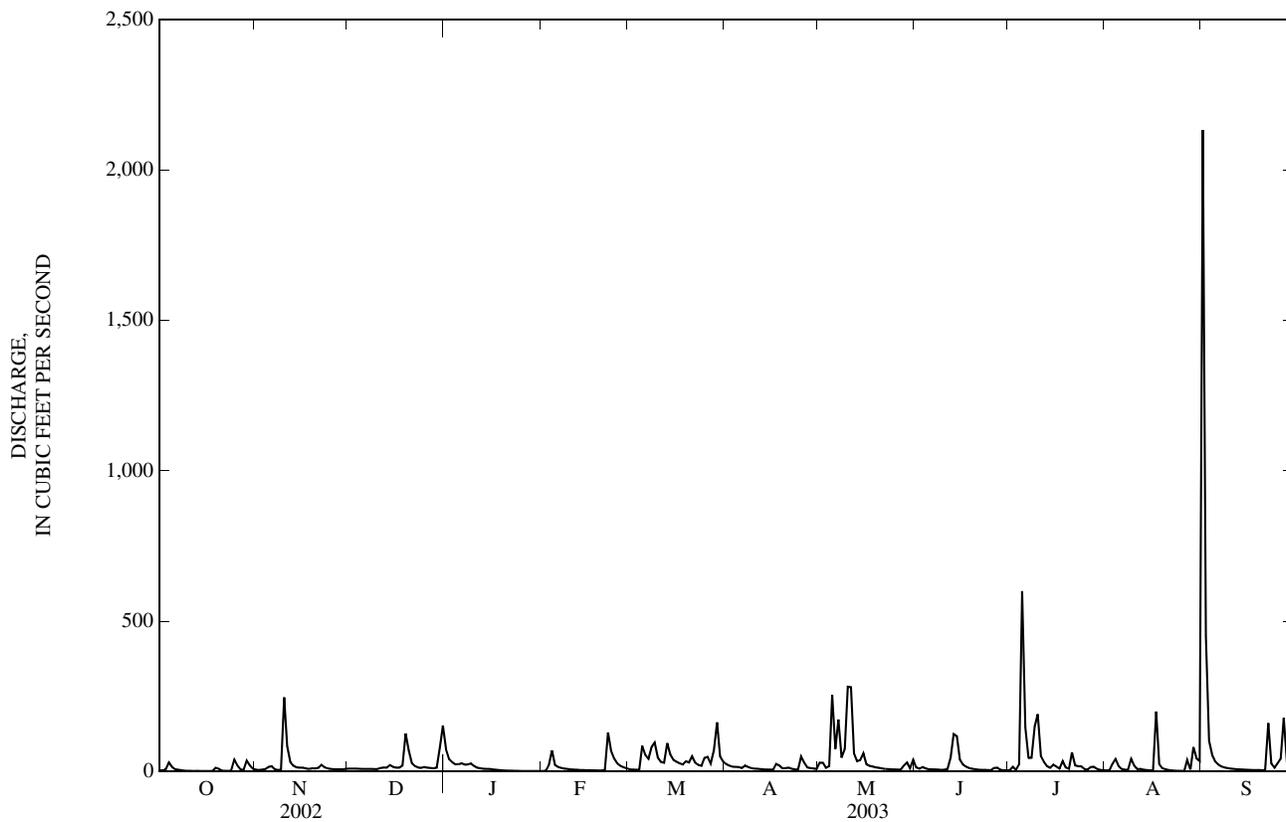
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 12.7 | 24.7 | 28.5 | 25.7 | 31.0 | 37.3 | 36.2 | 34.3 | 21.6 | 19.7 | 11.8 | 14.2 |
| MAX | 88.9 | 115 | 111 | 78.3 | 77.1 | 87.8 | 84.4 | 140 | 112 | 92.3 | 44.7 | 114 |
| (WY) | (1987) | (1994) | (1991) | (1969) | (1997) | (1978) | (1996) | (1996) | (1998) | (1979) | (1979) | (2003) |
| MIN | 0.81 | 1.50 | 0.85 | 0.32 | 3.82 | 4.84 | 5.51 | 4.84 | 0.98 | 0.67 | 0.15 | 0.20 |
| (WY) | (1967) | (1966) | (1977) | (1977) | (1978) | (1981) | (1976) | (1976) | (1988) | (1966) | (1966) | (1966) |

03353600 LITTLE EAGLE CREEK AT SPEEDWAY, IN—Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | FOR 2003 WATER YEAR | | WATER YEARS 1965 - 2003 | |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|-------------|
| ANNUAL TOTAL | 10,980.7 | | 12,503.6 | | 24.8 | |
| ANNUAL MEAN | 30.1 | | 34.3 | | 43.6 | |
| HIGHEST ANNUAL MEAN | | | | | 1993 | |
| LOWEST ANNUAL MEAN | | | | | 1966 | |
| HIGHEST DAILY MEAN | 652 | May 13 | 2,130 | Sep 1 | 2,130 | Sep 1, 2003 |
| LOWEST DAILY MEAN | 1.1 | Sep 15 | 1.8 | Oct 16 | 0.00 | Jul 8, 1966 |
| ANNUAL SEVEN-DAY MINIMUM | 1.2 | Sep 11 | 2.0 | Jan 26 | 0.07 | Aug 2, 1966 |
| MAXIMUM PEAK FLOW | | | 3,870 | Sep 1 | 3,870 | Sep 1, 2003 |
| MAXIMUM PEAK STAGE | | | 12.79 | Sep 1 | 12.79 | Sep 1, 2003 |
| ANNUAL RUNOFF (CFSM) | 1.24 | | 1.41 | | 1.02 | |
| ANNUAL RUNOFF (INCHES) | 16.81 | | 19.14 | | 13.85 | |
| 10 PERCENT EXCEEDS | 71 | | 62 | | 51 | |
| 50 PERCENT EXCEEDS | 12 | | 12 | | 8.2 | |
| 90 PERCENT EXCEEDS | 2.7 | | 3.9 | | 1.5 | |

e Estimated



03353611 WHITE RIVER AT STOUT GEN. STN. AT INDIANAPOLIS, IN

LOCATION.--Lat 39°42'52", long 86°12'02", in SE¹/₄NE¹/₄ sec.28, T.15N., R.3E., Marion County, Hydrologic Unit 05120201, (MAYWOOD, IN quadrangle), on right bank 0.34 mi above confluence with Lick Creek, 0.63 mi west of South Harding Street, 1.42 mi east of Lockburn Street and 1.46 mi south of Raymond Street, and at mile 226.3.

DRAINAGE AREA.--1,898 mi².

PERIOD OF RECORD.--Oct. 1, 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 663.40 above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Natural flow affected by regulation of Morse Reservoir and Geist Reservoir, and by diversion of municipal water supply by the Indianapolis Water Company.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|--------|--------|--------|--------|---------|--------|---------|--------|---------|--------|---------|
| 1 | 342 | 371 | 386 | 8,080 | 525 | 1,240 | 3,320 | 973 | 1,170 | 586 | 834 | 26,500 |
| 2 | 340 | 360 | 386 | 7,360 | 564 | 1,090 | 2,630 | 1,680 | 1,010 | 623 | 796 | 37,800 |
| 3 | 328 | 350 | 387 | 5,240 | 751 | 1,000 | 2,180 | 1,740 | 1,020 | 518 | 1,150 | 25,800 |
| 4 | 454 | 358 | 386 | 3,410 | 1,500 | 1,010 | 2,030 | 1,610 | 961 | 500 | 2,100 | 21,100 |
| 5 | 448 | 386 | 375 | 2,560 | 2,190 | 1,620 | 2,000 | 4,420 | 936 | 5,910 | 1,850 | 13,100 |
| 6 | 368 | e462 | 366 | 2,150 | 2,070 | 2,870 | 1,780 | 6,250 | 899 | 14,400 | 1,670 | 4,540 |
| 7 | 347 | e430 | 354 | 1,790 | 1,560 | 4,080 | 1,720 | 5,960 | 853 | 19,900 | 1,270 | 3,160 |
| 8 | 316 | 391 | 364 | 1,440 | 1,220 | 3,120 | 1,790 | 4,660 | 850 | 18,000 | 1,050 | 2,520 |
| 9 | 296 | 384 | 370 | 1,800 | 903 | 6,630 | 1,890 | 4,010 | 813 | 17,400 | 949 | 2,110 |
| 10 | 293 | 2,080 | 358 | 2,730 | 930 | 9,240 | 1,610 | 7,840 | 759 | 28,300 | 1,160 | 1,810 |
| 11 | 284 | 2,260 | 366 | 2,900 | 876 | 7,000 | 1,450 | 21,100 | 768 | 30,200 | 1,510 | 1,600 |
| 12 | 282 | 1,740 | 375 | 2,110 | 715 | 4,840 | 1,390 | 21,500 | 1,070 | 22,400 | 1,250 | 1,430 |
| 13 | 276 | 1,390 | 370 | 1,390 | 612 | 6,200 | 1,290 | 14,700 | 1,400 | 11,700 | 1,020 | 1,280 |
| 14 | 274 | 959 | 386 | 1,330 | 595 | 9,760 | 1,160 | 7,010 | 2,170 | 5,310 | 915 | 1,210 |
| 15 | 271 | 794 | 386 | 989 | 770 | 10,300 | 997 | 5,610 | 2,360 | 3,820 | 1,020 | 1,090 |
| 16 | 267 | 701 | 383 | 811 | 672 | 7,700 | 932 | 4,970 | 1,850 | 3,660 | 900 | 1,020 |
| 17 | 264 | 626 | 384 | 730 | 673 | 5,670 | 1,350 | 3,700 | 1,400 | 3,080 | 1,080 | 950 |
| 18 | 261 | 485 | 401 | 690 | 556 | 4,560 | 1,220 | 2,870 | 1,130 | 2,820 | 1,020 | 889 |
| 19 | 343 | 472 | 1,410 | 834 | 607 | 4,010 | 991 | 2,440 | 990 | 2,200 | 797 | 839 |
| 20 | 350 | 445 | 2,650 | 770 | 711 | 3,670 | 1,100 | 2,070 | 901 | 1,880 | 666 | 780 |
| 21 | 332 | 450 | 3,130 | 684 | 737 | 4,310 | 936 | 1,850 | 809 | 2,460 | 593 | 754 |
| 22 | 326 | 497 | 2,480 | 635 | 1,850 | 5,040 | 897 | 1,620 | 732 | 2,030 | 538 | 1,630 |
| 23 | 304 | 470 | 1,650 | 530 | 2,870 | 4,670 | 845 | 1,460 | 667 | 1,910 | 466 | 1,660 |
| 24 | 284 | 465 | 1,280 | 485 | 3,140 | 3,540 | 767 | 1,360 | 603 | 1,610 | 426 | 1,790 |
| 25 | 507 | 540 | 1,160 | 509 | 2,370 | 2,890 | 1,150 | 1,220 | 537 | 1,440 | 395 | 1,670 |
| 26 | 534 | 436 | 935 | 559 | 1,790 | 2,980 | 1,410 | 1,160 | 554 | 1,240 | 388 | 1,970 |
| 27 | 393 | 432 | 778 | e600 | 1,540 | 2,560 | 1,150 | 1,140 | 681 | 1,150 | 654 | 4,760 |
| 28 | 375 | 412 | 696 | e520 | 1,340 | 2,670 | 894 | 1,070 | 616 | 1,310 | 665 | 8,230 |
| 29 | 575 | 402 | 685 | 527 | --- | 5,780 | 860 | 1,210 | 573 | 1,070 | 812 | 7,790 |
| 30 | 509 | 399 | 1,080 | 526 | --- | 7,310 | 795 | 1,090 | 543 | 961 | 1,240 | 4,330 |
| 31 | 392 | --- | 3,430 | 517 | --- | 4,900 | --- | 1,230 | --- | 888 | 1,500 | --- |
| TOTAL | 10,935 | 19,947 | 28,147 | 55,206 | 34,637 | 142,260 | 42,534 | 139,523 | 29,625 | 209,276 | 30,684 | 184,112 |
| MEAN | 353 | 665 | 908 | 1,781 | 1,237 | 4,589 | 1,418 | 4,501 | 988 | 6,751 | 990 | 6,137 |
| MAX | 575 | 2,260 | 3,430 | 8,080 | 3,140 | 10,300 | 3,320 | 21,500 | 2,360 | 30,200 | 2,100 | 37,800 |
| MIN | 261 | 350 | 354 | 485 | 525 | 1,000 | 767 | 973 | 537 | 500 | 388 | 754 |
| CFSM | 0.19 | 0.35 | 0.48 | 0.94 | 0.65 | 2.42 | 0.75 | 2.37 | 0.52 | 3.56 | 0.52 | 3.23 |
| IN. | 0.21 | 0.39 | 0.55 | 1.08 | 0.68 | 2.79 | 0.83 | 2.73 | 0.58 | 4.10 | 0.60 | 3.61 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 974 | 2,008 | 1,584 | 2,299 | 2,073 | 2,927 | 2,844 | 3,275 | 2,336 | 1,777 | 624 | 1,105 |
| MAX | 5,339 | 7,366 | 4,215 | 4,949 | 4,000 | 5,526 | 5,334 | 7,735 | 6,924 | 6,751 | 1,360 | 6,137 |
| (WY) | (2002) | (1994) | (1997) | (1999) | (1997) | (1997) | (2002) | (1996) | (1998) | (2003) | (1998) | (2003) |
| MIN | 227 | 200 | 252 | 269 | 666 | 751 | 1,418 | 1,326 | 829 | 533 | 273 | 181 |
| (WY) | (1995) | (2000) | (2000) | (2000) | (1995) | (2000) | (2003) | (2000) | (1994) | (1999) | (1999) | (1999) |

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

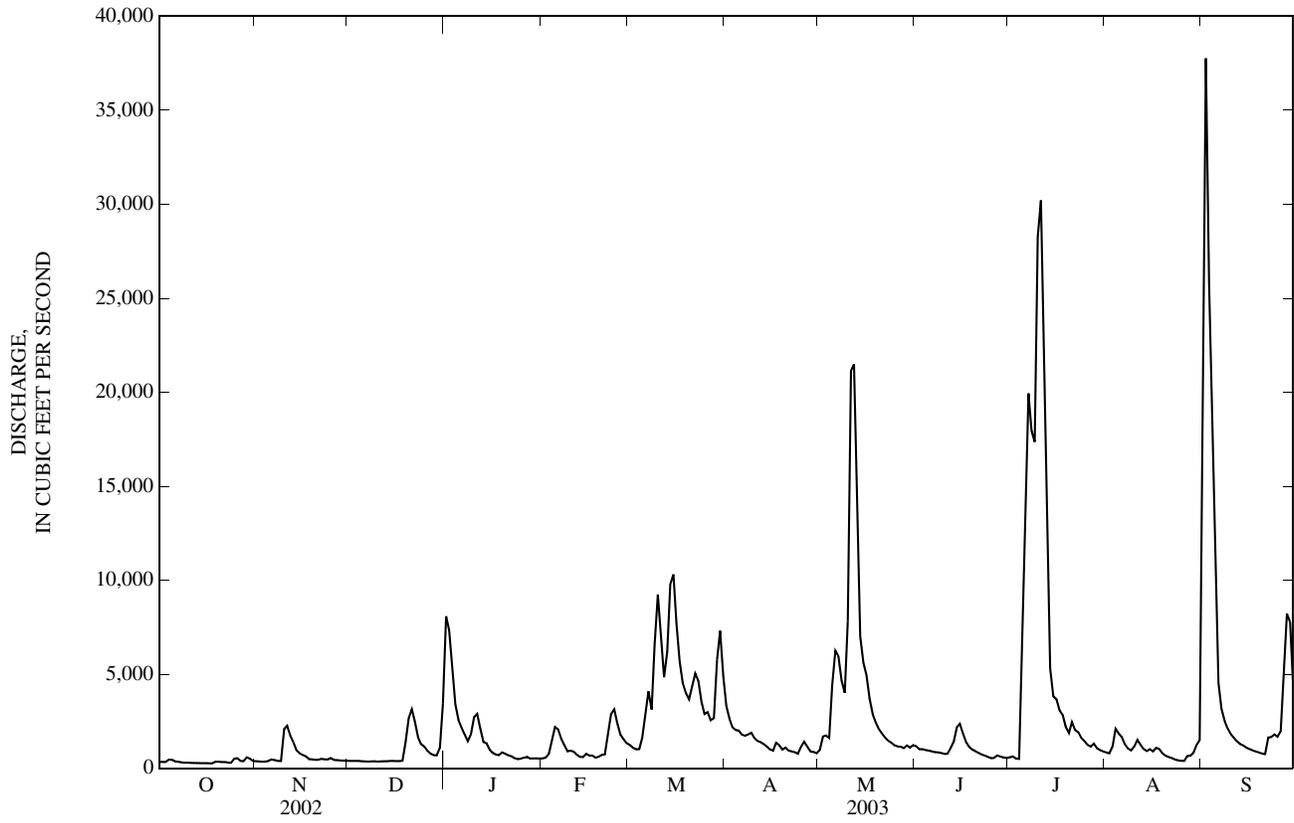
FOR 2003 WATER YEAR

WATER YEARS 1992 - 2003

| | | | | | | | | | | | | |
|--------------------------|---------|--|--|--|--|--------|---------|--|--------|--------|--|--------------|
| ANNUAL TOTAL | 780,342 | | | | | | 926,886 | | | | | |
| ANNUAL MEAN | 2,138 | | | | | | 2,539 | | | 1,984 | | |
| HIGHEST ANNUAL MEAN | | | | | | | | | | 2,947 | | 1993 |
| LOWEST ANNUAL MEAN | | | | | | | | | | 770 | | 2000 |
| HIGHEST DAILY MEAN | 30,300 | | | | | May 14 | 37,800 | | Sep 2 | 37,800 | | Sep 2, 2003 |
| LOWEST DAILY MEAN | 261 | | | | | Oct 18 | 261 | | Oct 18 | 150 | | Oct 1, 1995 |
| ANNUAL SEVEN-DAY MINIMUM | 271 | | | | | Oct 12 | 271 | | Oct 12 | 161 | | Sep 14, 1999 |
| MAXIMUM PEAK FLOW | | | | | | | 51,500 | | Sep 1 | 51,500 | | Sep 1, 2003 |
| MAXIMUM PEAK STAGE | | | | | | | 15.42 | | Sep 1 | 15.42 | | Sep 1, 2003 |
| ANNUAL RUNOFF (CFSM) | 1.13 | | | | | | 1.34 | | | 1.05 | | |
| ANNUAL RUNOFF (INCHES) | 15.29 | | | | | | 18.17 | | | 14.20 | | |
| 10 PERCENT EXCEEDS | 4,770 | | | | | | 5,430 | | | 4,480 | | |
| 50 PERCENT EXCEEDS | 935 | | | | | | 1,080 | | | 977 | | |
| 90 PERCENT EXCEEDS | 318 | | | | | | 380 | | | 291 | | |

e Estimated

03353611 WHITE RIVER AT STOUT GEN. STN. AT INDIANAPOLIS, IN—Continued



03353611 WHITE RIVER AT STOUT GEN. STN. AT INDIANAPOLIS, IN—Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.-- September 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 31.6°C, July 25, 1999; minimum, -0.1°C, Jan. 29, 1995.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 26.0°C, Oct. 3; minimum, 1.8°C, Feb. 8, and 16.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
|-------|---------|------|------|----------|------|------|----------|-----|------|---------|-----|------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 25.0 | 22.9 | 23.8 | 15.1 | 13.5 | 14.3 | 10.2 | 8.3 | 9.4 | 5.4 | 4.7 | 5.0 |
| 2 | 25.6 | 23.8 | 24.6 | 15.1 | 13.4 | 14.3 | 10.0 | 7.5 | 9.3 | 6.5 | 4.3 | 5.4 |
| 3 | 26.0 | 24.3 | 25.2 | 16.1 | 13.3 | 14.7 | 9.5 | 8.3 | 9.0 | 6.3 | 4.6 | 5.5 |
| 4 | 25.5 | 23.5 | 25.0 | 15.7 | 13.8 | 14.8 | 9.0 | 6.0 | 7.9 | 5.8 | 4.6 | 5.4 |
| 5 | 23.9 | 22.7 | 23.3 | 17.4 | 13.6 | 15.2 | 9.3 | 7.0 | 8.7 | 7.2 | 5.2 | 6.2 |
| 6 | 23.3 | 22.6 | 23.0 | --- | --- | --- | 9.3 | 6.9 | 8.7 | 7.6 | 6.1 | 6.8 |
| 7 | 22.9 | 21.4 | 22.1 | --- | --- | --- | 9.6 | 6.0 | 8.4 | 7.3 | 5.0 | 6.1 |
| 8 | 22.1 | 20.8 | 21.4 | 15.0 | 12.6 | 13.7 | 9.2 | 6.3 | 8.6 | 8.6 | 6.0 | 7.0 |
| 9 | 21.8 | 20.3 | 21.2 | 16.2 | 13.8 | 14.9 | 9.4 | 6.2 | 8.5 | 8.6 | 6.9 | 7.8 |
| 10 | 21.9 | 20.3 | 21.1 | 16.6 | 14.4 | 15.4 | 9.5 | 7.4 | 9.0 | 7.4 | 5.6 | 6.5 |
| 11 | 22.4 | 20.2 | 21.4 | 14.5 | 13.7 | 14.2 | 10.6 | 9.0 | 9.6 | 5.6 | 4.2 | 4.9 |
| 12 | 22.6 | 21.3 | 21.9 | 14.1 | 13.1 | 13.7 | 10.8 | 9.4 | 10.0 | 5.1 | 2.6 | 3.8 |
| 13 | 22.0 | 20.6 | 21.3 | 13.6 | 11.5 | 12.6 | 10.4 | 9.3 | 9.8 | 5.1 | 2.9 | 4.0 |
| 14 | 21.5 | 19.2 | 20.4 | 13.1 | 12.1 | 12.6 | 10.4 | 9.4 | 9.9 | 5.0 | 3.3 | 4.1 |
| 15 | 20.7 | 19.0 | 19.8 | 12.9 | 11.5 | 12.3 | 10.0 | 8.1 | 9.3 | 3.8 | 2.4 | 3.1 |
| 16 | 20.2 | 18.4 | 19.1 | 11.6 | 10.5 | 10.9 | 9.8 | 8.2 | 9.1 | 3.3 | 1.9 | 2.6 |
| 17 | 19.5 | 17.8 | 18.5 | 11.7 | 9.9 | 10.7 | 10.6 | 7.3 | 9.1 | 3.1 | 2.3 | 2.7 |
| 18 | 19.4 | 17.1 | 18.4 | 13.0 | 11.5 | 12.2 | 12.2 | 9.2 | 10.4 | 4.0 | 2.2 | 2.8 |
| 19 | 20.7 | 17.3 | 18.8 | 12.8 | 10.8 | 11.9 | 13.3 | 8.1 | 10.9 | 3.3 | 2.4 | 2.9 |
| 20 | 18.4 | 16.5 | 17.5 | 12.9 | 11.3 | 12.2 | 8.1 | 6.8 | 7.5 | 4.2 | 2.6 | 3.4 |
| 21 | 18.5 | 16.4 | 17.6 | 14.0 | 11.7 | 12.6 | 8.2 | 6.5 | 7.5 | 3.6 | 2.1 | 2.8 |
| 22 | 19.1 | 17.2 | 17.9 | 13.2 | 10.8 | 11.7 | 8.2 | 7.1 | 7.7 | 4.2 | 2.0 | 3.0 |
| 23 | 18.5 | 16.7 | 17.5 | 11.5 | 10.4 | 11.1 | 8.3 | 6.2 | 7.3 | 4.6 | 2.5 | 3.4 |
| 24 | 19.2 | 17.0 | 17.8 | 12.0 | 10.4 | 11.1 | 7.8 | 6.2 | 7.1 | 4.7 | 2.7 | 3.6 |
| 25 | 19.6 | 13.8 | 17.2 | 11.3 | 9.4 | 10.3 | 7.3 | 5.5 | 6.4 | 4.8 | 2.7 | 3.6 |
| 26 | 15.1 | 13.5 | 14.2 | 10.9 | 9.7 | 10.3 | 6.3 | 4.6 | 5.3 | 4.0 | 2.3 | 3.3 |
| 27 | 15.9 | 14.3 | 14.9 | 10.7 | 9.6 | 10.2 | 6.1 | 3.9 | 4.8 | --- | --- | --- |
| 28 | 16.8 | 14.8 | 15.8 | 10.4 | 9.6 | 9.9 | 9.1 | 4.0 | 5.9 | --- | --- | --- |
| 29 | 17.8 | 12.5 | 15.7 | 10.9 | 9.2 | 10.0 | 8.8 | 4.2 | 6.3 | 4.0 | 2.0 | 3.1 |
| 30 | 13.9 | 11.8 | 12.7 | 10.3 | 9.1 | 9.8 | 9.2 | 7.7 | 8.3 | 4.3 | 2.5 | 3.3 |
| 31 | 14.8 | 13.4 | 14.1 | --- | --- | --- | 9.4 | 5.0 | 7.9 | 4.3 | 2.8 | 3.5 |
| MONTH | 26.0 | 11.8 | 19.5 | --- | --- | --- | 13.3 | 3.9 | 8.3 | --- | --- | --- |

03353620 LICK CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°42'21", long 86°06'13", in NE¼NE¼ sec.32, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, (BEECH GROVE, IN quadrangle), on left bank, at upstream side of Sherman Drive bridge, in Indianapolis, 0.35 mi downstream of Beach Creek mouth, 5.1 mi west of Wanamaker, IN., and at mile 6.2.

DRAINAGE AREA.--15.6 mi².

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 742.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark).

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|--------|-------|-------|---------|-------|---------|-------|-------|-------|---------|
| 1 | 1.8 | 3.7 | 1.7 | 86 | e1.4 | e6.4 | 15 | 9.5 | 11 | 1.4 | 2.5 | 1,120 |
| 2 | 1.5 | 3.1 | 1.3 | 40 | e2.0 | e5.2 | 12 | 9.7 | 6.7 | 1.4 | 2.0 | 193 |
| 3 | 1.4 | 2.9 | 1.1 | 23 | e20 | e4.4 | 10 | 6.7 | 15 | 1.4 | 11 | 51 |
| 4 | 17 | 3.0 | 0.95 | 16 | e36 | e3.7 | 18 | 16 | 8.7 | 2.9 | 34 | 26 |
| 5 | 8.6 | 7.3 | 0.94 | 16 | e20 | 64 | 49 | 218 | 5.9 | 281 | 14 | 14 |
| 6 | 3.6 | 9.0 | 1.0 | 16 | 12 | 45 | 16 | 37 | 5.0 | 40 | 4.6 | 9.0 |
| 7 | 3.3 | 5.6 | 1.1 | 15 | 6.8 | 28 | 17 | 26 | 5.1 | 14 | 2.8 | 6.2 |
| 8 | 1.9 | 4.8 | 1.0 | 15 | e5.6 | 99 | 13 | 18 | 4.3 | 12 | 2.2 | 4.7 |
| 9 | 1.5 | 6.4 | 0.93 | 14 | e5.0 | 111 | 11 | 16 | 3.9 | 59 | 1.7 | 4.8 |
| 10 | 1.3 | 200 | 0.93 | 9.8 | e4.4 | 37 | 9.6 | 275 | 4.5 | 99 | 17 | 5.1 |
| 11 | 1.2 | 46 | 0.93 | e8.6 | e4.0 | 24 | 9.1 | 163 | 7.8 | 24 | 11 | 4.4 |
| 12 | 1.2 | 14 | 1.7 | e7.0 | e3.7 | 24 | 8.0 | 38 | 49 | 14 | 5.5 | 3.7 |
| 13 | 1.2 | 8.3 | 2.6 | e6.6 | e3.4 | 96 | 6.5 | 22 | 58 | 7.8 | 2.7 | 2.8 |
| 14 | 1.1 | 4.2 | 8.0 | e4.7 | e3.2 | 45 | 5.9 | 32 | 59 | 5.3 | 1.9 | 2.8 |
| 15 | 1.1 | 3.9 | 10 | e4.0 | e3.0 | 28 | 5.7 | 65 | 22 | 12 | 1.5 | 2.6 |
| 16 | 1.2 | 3.9 | 4.9 | e3.4 | e2.8 | 23 | 5.8 | 23 | 13 | 9.8 | 1.5 | 2.1 |
| 17 | 1.1 | 2.7 | 5.3 | e3.0 | e2.6 | 20 | 31 | 17 | 8.1 | 4.5 | 2.4 | 1.9 |
| 18 | 1.1 | 2.1 | 13 | e2.7 | e2.4 | 19 | 16 | 13 | 5.8 | 14 | 1.9 | 1.8 |
| 19 | 8.0 | 2.4 | 85 | e2.4 | e2.4 | 27 | 9.3 | 11 | 5.0 | 5.5 | 1.3 | 1.8 |
| 20 | 2.8 | 2.3 | 56 | e2.2 | e2.8 | 25 | 14 | 10 | 5.9 | 3.3 | 1.2 | 1.8 |
| 21 | 1.5 | 3.1 | 20 | e2.0 | e14 | 75 | 13 | 8.5 | 3.4 | 124 | 1.2 | 1.7 |
| 22 | 1.3 | 8.5 | 13 | e1.9 | 155 | 32 | 7.9 | 7.4 | 3.0 | 22 | 1.2 | 39 |
| 23 | 1.9 | 4.0 | 8.1 | e1.8 | 66 | 21 | 5.7 | 6.8 | 2.6 | 11 | 1.2 | 8.9 |
| 24 | 2.1 | 2.6 | 6.7 | e1.7 | 33 | 16 | 5.5 | 6.0 | 2.2 | 6.3 | 1.2 | 5.1 |
| 25 | 38 | 2.0 | 13 | e1.6 | e24 | 36 | 48 | 5.6 | 2.0 | 4.6 | 1.2 | 8.4 |
| 26 | 13 | 1.5 | 6.6 | e1.5 | e17 | 36 | 29 | 5.4 | 2.5 | 3.3 | 1.1 | 20 |
| 27 | 5.3 | 1.2 | e6.4 | e1.4 | e13 | 19 | 13 | 5.3 | 2.8 | 5.0 | 5.6 | 76 |
| 28 | 4.0 | 1.3 | 6.3 | e1.3 | e10 | 37 | 14 | 20 | 1.9 | 11 | 3.0 | 13 |
| 29 | 31 | 1.3 | 9.0 | e1.3 | --- | 152 | 20 | 27 | 1.6 | 5.0 | 23 | 8.2 |
| 30 | 14 | 1.9 | 41 | e1.2 | --- | 33 | 10 | 10 | 1.5 | 4.4 | 12 | 4.9 |
| 31 | 5.6 | --- | 114 | e1.2 | --- | 22 | --- | 51 | --- | 3.7 | 33 | --- |
| TOTAL | 179.6 | 363.0 | 442.48 | 312.3 | 475.5 | 1,213.7 | 448.0 | 1,178.9 | 327.2 | 812.6 | 206.4 | 1,644.7 |
| MEAN | 5.79 | 12.1 | 14.3 | 10.1 | 17.0 | 39.2 | 14.9 | 38.0 | 10.9 | 26.2 | 6.66 | 54.8 |
| MAX | 38 | 200 | 114 | 86 | 155 | 152 | 49 | 275 | 59 | 281 | 34 | 1,120 |
| MIN | 1.1 | 1.2 | 0.93 | 1.2 | 1.4 | 3.7 | 5.5 | 5.3 | 1.5 | 1.4 | 1.1 | 1.7 |
| CFSM | 0.37 | 0.78 | 0.91 | 0.65 | 1.09 | 2.51 | 0.96 | 2.44 | 0.70 | 1.68 | 0.43 | 3.51 |
| IN. | 0.43 | 0.87 | 1.06 | 0.74 | 1.13 | 2.89 | 1.07 | 2.81 | 0.78 | 1.94 | 0.49 | 3.92 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

| | 9.38 | 20.5 | 22.8 | 20.5 | 25.9 | 30.8 | 27.3 | 27.0 | 18.4 | 17.5 | 10.4 | 9.74 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 9.38 | 20.5 | 22.8 | 20.5 | 25.9 | 30.8 | 27.3 | 27.0 | 18.4 | 17.5 | 10.4 | 9.74 |
| MAX | 55.9 | 102 | 76.4 | 50.5 | 57.1 | 64.6 | 71.4 | 102 | 88.8 | 95.5 | 54.1 | 54.8 |
| (WY) | (2002) | (1994) | (1991) | (1997) | (1975) | (1978) | (1996) | (1996) | (1998) | (1992) | (1979) | (2003) |
| MIN | 1.03 | 0.71 | 2.14 | 1.00 | 4.67 | 5.46 | 3.92 | 1.87 | 0.39 | 2.55 | 1.28 | 0.17 |
| (WY) | (1983) | (2000) | (1981) | (1981) | (1978) | (2001) | (1971) | (1988) | (1988) | (1991) | (1986) | (1999) |

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

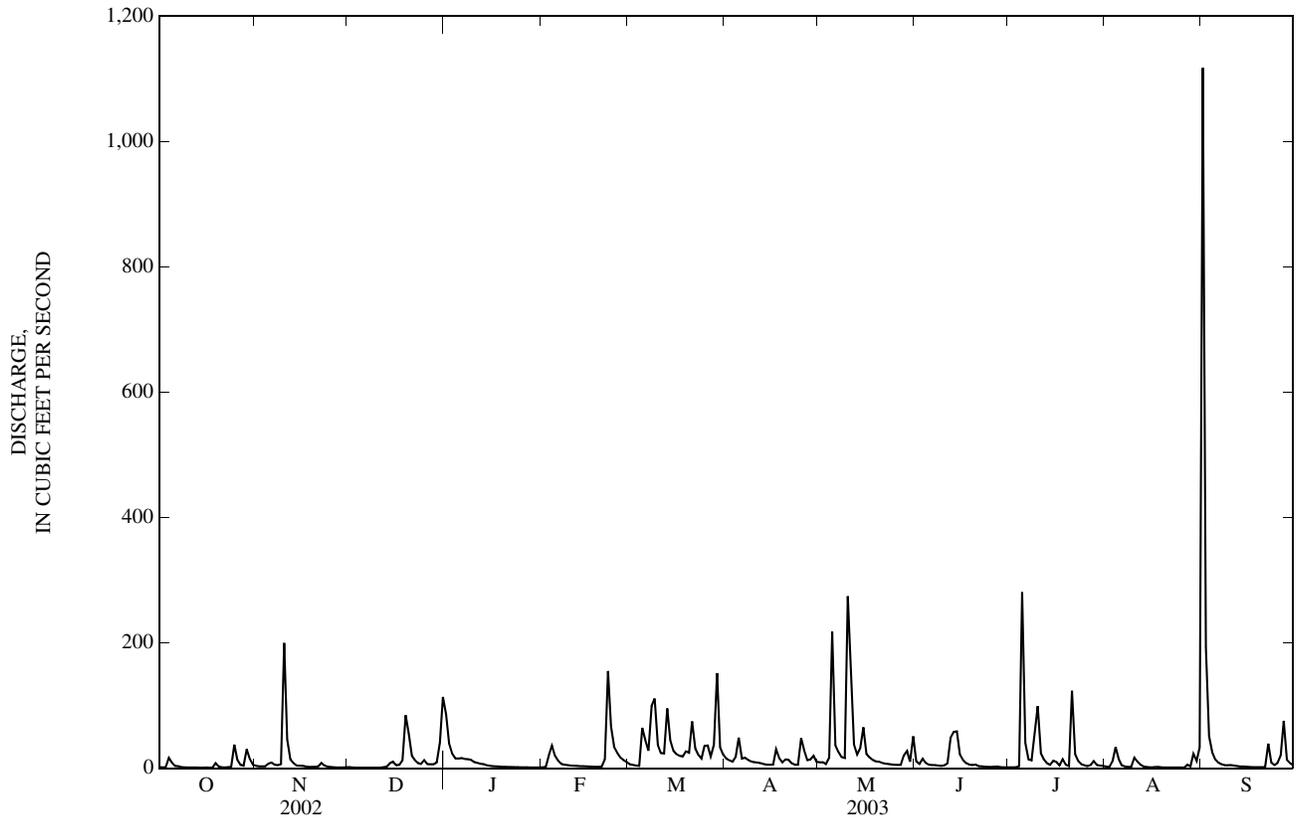
FOR 2003 WATER YEAR

WATER YEARS 1971 - 2003

| | | | |
|--------------------------|----------|----------|-------|
| ANNUAL TOTAL | 8,712.65 | 7,604.38 | 20.0 |
| ANNUAL MEAN | 23.9 | 20.8 | 30.6 |
| HIGHEST ANNUAL MEAN | | | 2002 |
| LOWEST ANNUAL MEAN | | | 10.8 |
| HIGHEST DAILY MEAN | 722 | May 13 | 1,380 |
| LOWEST DAILY MEAN | 0.71 | Aug 30 | 0.05 |
| ANNUAL SEVEN-DAY MINIMUM | 0.71 | Aug 30 | 0.07 |
| MAXIMUM PEAK FLOW | | 1,730 | Sep 1 |
| MAXIMUM PEAK STAGE | | 7.59 | Sep 1 |
| ANNUAL RUNOFF (CFSM) | 1.53 | 1.34 | 1.28 |
| ANNUAL RUNOFF (INCHES) | 20.78 | 18.13 | 17.42 |
| 10 PERCENT EXCEEDS | 47 | 40 | 43 |
| 50 PERCENT EXCEEDS | 6.4 | 6.4 | 6.7 |
| 90 PERCENT EXCEEDS | 1.1 | 1.4 | 1.2 |

e Estimated

03353620 LICK CREEK AT INDIANAPOLIS, IN—Continued



03353637 LITTLE BUCK CREEK NEAR INDIANAPOLIS, IN

LOCATION.--Lat 39°40'00", long 86°11'48", in SW¹/₄SW¹/₄ sec.10, T.14 N., R.3 E., Marion County, Hydrologic Unit 05120201, (MAYWOOD, IN quadrangle), on right bank, 10 ft upstream from bridge on South Belmont Street, 0.75 mi west of State Road 37, 1.5 mi south of Interstate 465, and 2.2 mi above mouth.

DRAINAGE AREA.--17.0 mi².

PERIOD OF RECORD.--October 1989 to current year.

REVISED RECORDS.--WDR IN-95-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 666.20 above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|-------|-------|-------|-------|-------|------|-------|--------|--------|--------|----------|
| 1 | 0.52 | 4.1 | e1.4 | 77 | e3.7 | 18 | 22 | 12 | 11 | 0.03 | 1.4 | 595 |
| 2 | 0.24 | 2.7 | e1.2 | 38 | e4.0 | 20 | 18 | 12 | 7.3 | 0.04 | 1.1 | 183 |
| 3 | 0.02 | 2.2 | e1.2 | 23 | 25 | 19 | 17 | 10 | 9.6 | 0.09 | 0.91 | 61 |
| 4 | 6.6 | 2.5 | e1.2 | 16 | 29 | 19 | 17 | 13 | 8.1 | 0.00 | 13 | 33 |
| 5 | 6.1 | 4.8 | e1.2 | 15 | 19 | 41 | 142 | 211 | 6.1 | 15 | 8.3 | 22 |
| 6 | 2.5 | 6.2 | e1.2 | 15 | 13 | 37 | 36 | 51 | 4.6 | 20 | 5.8 | 16 |
| 7 | 1.2 | 3.8 | e1.1 | 13 | 7.7 | 28 | 28 | 29 | 4.3 | 9.2 | 3.2 | 12 |
| 8 | 0.55 | 2.8 | e1.1 | 13 | e6.4 | 55 | 22 | 22 | 3.7 | 6.0 | 1.9 | 10 |
| 9 | 0.23 | 2.6 | e1.1 | 12 | e5.1 | 92 | 20 | 21 | 3.3 | 8.8 | 1.3 | 9.0 |
| 10 | 0.10 | 113 | e1.2 | 9.5 | e4.5 | 35 | 19 | 105 | 2.8 | 29 | 2.5 | 7.8 |
| 11 | 0.01 | 49 | 1.6 | e8.2 | e4.2 | 27 | 17 | 81 | 3.0 | 15 | 7.5 | 6.5 |
| 12 | 0.00 | 18 | 2.1 | e7.4 | e4.0 | 24 | 16 | 34 | 10 | 15 | 7.6 | 5.5 |
| 13 | 0.00 | 11 | 2.1 | e6.7 | e3.8 | 55 | 14 | 22 | 27 | 8.3 | 4.2 | 4.8 |
| 14 | 0.00 | 8.2 | 4.7 | e6.3 | e3.9 | 39 | 13 | 18 | 43 | 5.6 | 2.4 | 4.4 |
| 15 | 0.00 | 6.8 | 5.0 | e6.0 | e13 | 29 | 13 | 44 | 19 | 5.3 | 1.2 | 3.8 |
| 16 | 0.00 | 5.9 | 3.9 | e5.7 | e13 | 24 | 12 | 23 | 13 | 5.5 | 1.7 | 3.0 |
| 17 | 0.00 | 4.7 | 4.6 | e5.4 | e10 | 21 | 24 | 16 | 12 | 3.8 | 0.92 | 2.3 |
| 18 | 0.00 | 3.9 | 5.9 | e5.2 | e9.4 | 18 | 19 | 13 | 8.4 | 11 | 0.90 | 1.7 |
| 19 | 3.1 | 3.7 | 62 | e5.0 | e7.9 | 20 | 15 | 11 | 7.1 | 5.9 | 0.40 | 1.3 |
| 20 | 0.96 | 3.2 | 62 | e4.7 | e7.2 | 23 | 17 | 12 | 6.1 | 3.8 | 0.70 | 0.61 |
| 21 | 0.16 | 3.2 | 22 | e4.6 | 14 | 44 | 16 | 12 | 5.2 | 81 | 0.01 | 0.19 |
| 22 | 0.00 | 5.1 | 14 | e4.5 | 125 | 31 | 14 | 11 | 4.6 | 31 | 0.00 | 22 |
| 23 | 0.00 | 3.8 | 10 | e4.3 | 81 | 23 | 12 | 10 | 4.0 | 15 | 0.00 | 14 |
| 24 | 0.00 | 3.1 | 8.0 | e4.2 | 33 | 20 | 10 | 9.6 | 3.4 | 9.9 | 0.00 | 7.6 |
| 25 | 19 | 2.7 | 12 | e4.1 | 28 | 25 | 35 | 9.2 | 2.9 | 7.1 | 0.00 | 7.1 |
| 26 | 13 | 2.3 | 7.2 | e4.0 | 24 | 29 | 32 | 8.7 | 3.2 | 5.0 | 0.00 | 7.7 |
| 27 | 4.9 | 2.0 | 5.4 | e3.9 | 19 | 22 | 20 | 8.3 | 4.3 | 3.7 | 1.5 | 70 |
| 28 | 2.7 | 1.9 | 6.5 | e3.9 | 18 | 25 | 17 | 19 | 2.9 | 5.0 | 0.87 | 22 |
| 29 | 25 | 1.8 | 8.0 | e3.8 | --- | 117 | 17 | 36 | 1.7 | 4.3 | 19 | 13 |
| 30 | 16 | 1.8 | 24 | e3.7 | --- | 36 | 13 | 15 | 0.49 | 3.0 | 23 | 9.2 |
| 31 | 7.2 | --- | 79 | e3.7 | --- | 26 | --- | 16 | --- | 2.1 | 24 | --- |
| TOTAL | 110.09 | 286.8 | 361.9 | 336.8 | 535.8 | 1,042 | 687 | 914.8 | 242.09 | 334.46 | 135.31 | 1,155.50 |
| MEAN | 3.55 | 9.56 | 11.7 | 10.9 | 19.1 | 33.6 | 22.9 | 29.5 | 8.07 | 10.8 | 4.36 | 38.5 |
| MAX | 25 | 113 | 79 | 77 | 125 | 117 | 142 | 211 | 43 | 81 | 24 | 595 |
| MIN | 0.00 | 1.8 | 1.1 | 3.7 | 3.7 | 18 | 10 | 8.3 | 0.49 | 0.00 | 0.00 | 0.19 |
| CFSM | 0.21 | 0.56 | 0.69 | 0.64 | 1.13 | 1.98 | 1.35 | 1.74 | 0.47 | 0.63 | 0.26 | 2.27 |
| IN. | 0.24 | 0.63 | 0.79 | 0.74 | 1.17 | 2.28 | 1.50 | 2.00 | 0.53 | 0.73 | 0.30 | 2.53 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2003, BY WATER YEAR (WY)

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|
| MEAN | 10.7 | 22.7 | 20.4 | 23.7 | 23.2 | 29.5 | 33.7 | 34.7 | 25.7 | 16.6 | 5.99 | 9.96 | | |
| MAX | 45.5 | 91.9 | 99.4 | 62.7 | 54.5 | 68.0 | 63.7 | 105 | 77.3 | 85.7 | 18.3 | 38.5 | | |
| (WY) | (2002) | (1994) | (1991) | (1999) | (1990) | (1991) | (1996) | (1996) | (1998) | (1992) | (1990) | (2003) | | |
| MIN | 0.058 | 0.000 | 1.02 | 1.42 | 6.39 | 5.82 | 5.39 | 4.60 | 4.99 | 2.67 | 0.43 | 0.000 | | |
| (WY) | (2000) | (2000) | (1998) | (2000) | (1998) | (2001) | (2001) | (2001) | (1991) | (1991) | (2002) | (1999) | | |

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

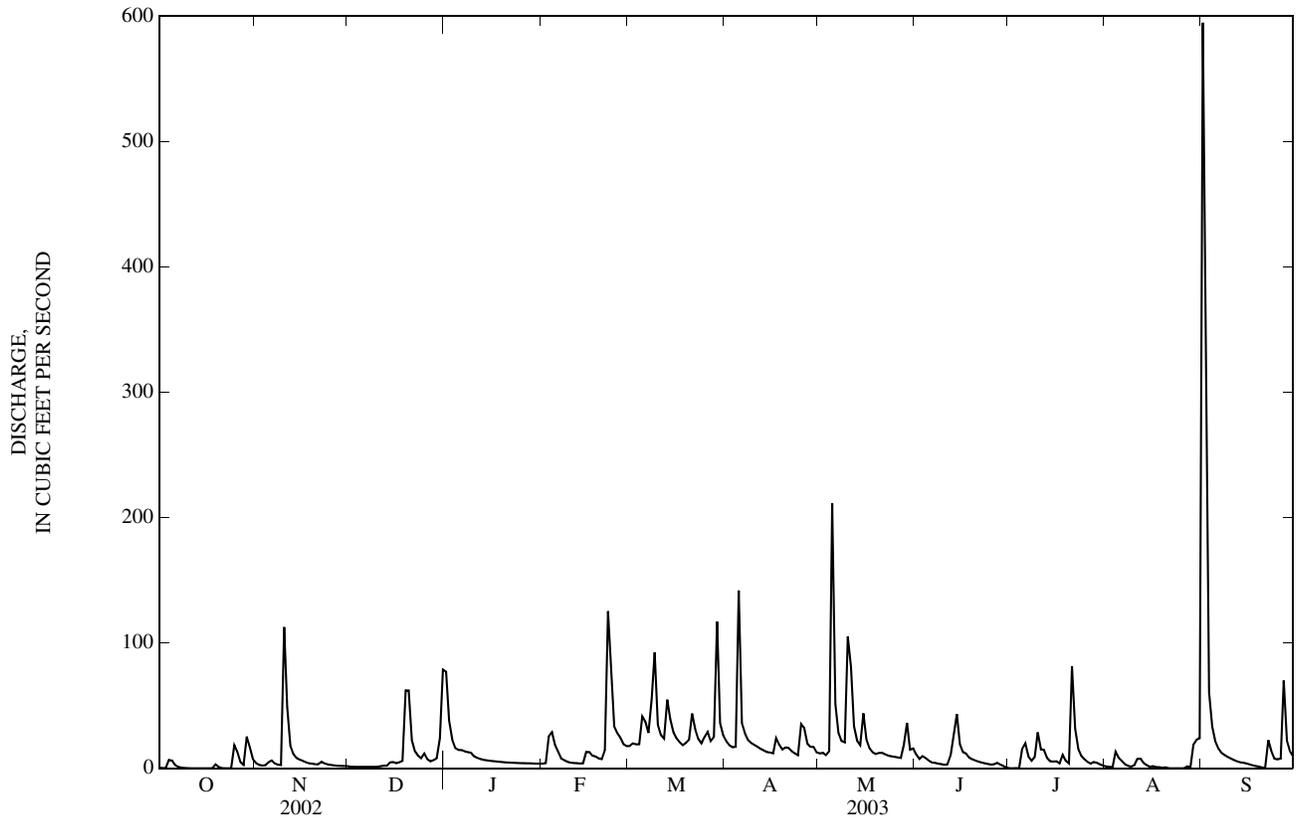
FOR 2003 WATER YEAR

WATER YEARS 1990 - 2003

| | | | |
|--------------------------|----------|----------|-------|
| ANNUAL TOTAL | 9,379.86 | 6,142.55 | |
| ANNUAL MEAN | 25.7 | 16.8 | 21.4 |
| HIGHEST ANNUAL MEAN | | | 32.3 |
| LOWEST ANNUAL MEAN | | | 10.4 |
| HIGHEST DAILY MEAN | 690 | 595 | 1,390 |
| LOWEST DAILY MEAN | 0.00 | 0.00 | 0.00 |
| ANNUAL SEVEN-DAY MINIMUM | 0.00 | 0.00 | 0.00 |
| MAXIMUM PEAK FLOW | | 970 | 2,300 |
| MAXIMUM PEAK STAGE | | 7.20 | 11.21 |
| ANNUAL RUNOFF (CFSM) | 1.51 | 0.99 | 1.26 |
| ANNUAL RUNOFF (INCHES) | 20.53 | 13.44 | 17.07 |
| 10 PERCENT EXCEEDS | 62 | 33 | 44 |
| 50 PERCENT EXCEEDS | 5.4 | 7.8 | 7.7 |
| 90 PERCENT EXCEEDS | 0.00 | 0.92 | 0.00 |

e Estimated

03353637 LITTLE BUCK CREEK NEAR INDIANAPOLIS, IN—Continued



03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-------|-------|-------|-----|-----|-------|-------|------|------|-----|------|-------|
| 1 | 8.0 | 11.4 | --- | --- | --- | --- | --- | 9.9 | 10.9 | --- | --- | --- |
| 2 | 8.0 | e11.5 | --- | --- | --- | --- | --- | 9.8 | 10.1 | --- | --- | --- |
| 3 | --- | --- | --- | --- | --- | --- | --- | 11.2 | 9.0 | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | 10.3 | 9.4 | --- | --- | --- |
| 5 | 8.0 | --- | --- | --- | --- | --- | --- | e7.5 | 9.9 | --- | e7.8 | --- |
| 6 | 8.9 | 10.9 | --- | --- | --- | --- | --- | --- | 9.6 | --- | 7.7 | --- |
| 7 | 9.3 | 11.4 | --- | --- | --- | --- | --- | --- | 9.9 | --- | 7.1 | --- |
| 8 | 10.7 | 10.8 | --- | --- | --- | --- | --- | --- | 9.2 | --- | 7.1 | --- |
| 9 | 10.9 | 9.6 | --- | --- | --- | --- | e14.8 | --- | 9.8 | 7.9 | 7.5 | --- |
| 10 | e10.9 | 8.0 | --- | --- | --- | --- | 14.2 | --- | 9.3 | 8.0 | 7.0 | --- |
| 11 | --- | --- | --- | --- | --- | --- | e14.0 | --- | 8.7 | 8.6 | 7.1 | e9.1 |
| 12 | --- | --- | --- | --- | --- | --- | e12.3 | --- | 7.7 | 8.7 | 7.2 | 9.2 |
| 13 | --- | --- | --- | --- | --- | --- | e13.5 | --- | 8.2 | 9.1 | 7.7 | 9.1 |
| 14 | --- | --- | 16.7 | --- | --- | --- | --- | --- | 7.6 | 9.4 | 7.3 | 8.9 |
| 15 | --- | --- | 17.1 | --- | --- | --- | --- | --- | 7.9 | 9.0 | 7.5 | 9.1 |
| 16 | --- | --- | 17.3 | --- | --- | --- | --- | --- | 8.2 | 9.5 | 7.5 | 9.5 |
| 17 | --- | --- | 16.6 | --- | --- | e11.0 | e11.2 | --- | 8.1 | 9.6 | 7.6 | 9.4 |
| 18 | --- | --- | 15.8 | --- | --- | 11.2 | --- | --- | 8.3 | 9.2 | 8.4 | 9.5 |
| 19 | e9.7 | --- | e13.0 | --- | --- | 11.1 | --- | --- | 8.4 | 9.5 | 8.4 | 9.5 |
| 20 | 10.4 | --- | 14.8 | --- | --- | 10.8 | --- | --- | 8.9 | 9.9 | e8.2 | 9.8 |
| 21 | --- | --- | --- | --- | --- | 10.1 | --- | --- | 9.1 | --- | --- | e10.3 |
| 22 | --- | --- | --- | --- | --- | 11.3 | e13.0 | 11.0 | 9.1 | --- | --- | e8.3 |
| 23 | --- | --- | --- | --- | --- | 11.3 | --- | 11.2 | 8.9 | --- | --- | 9.1 |
| 24 | --- | --- | --- | --- | --- | 10.8 | --- | 11.3 | 8.8 | --- | --- | 9.7 |
| 25 | --- | --- | --- | --- | --- | 10.1 | e11.8 | 11.2 | 8.6 | --- | --- | 9.7 |
| 26 | --- | --- | --- | --- | --- | 7.6 | e11.3 | 11.6 | 8.0 | --- | --- | 10.4 |
| 27 | --- | --- | --- | --- | --- | 10.6 | e11.3 | 11.5 | 8.9 | --- | --- | 9.5 |
| 28 | --- | --- | --- | --- | --- | 9.8 | e10.8 | 11.0 | 8.9 | --- | --- | 10.3 |
| 29 | --- | --- | --- | --- | --- | --- | --- | 9.6 | 8.5 | --- | --- | 10.9 |
| 30 | --- | --- | --- | --- | --- | --- | e10.0 | 10.0 | e7.0 | --- | --- | 11.3 |
| 31 | 10.9 | --- | --- | --- | --- | --- | --- | 9.6 | --- | --- | --- | --- |

e Estimated

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 20.6 | 7.6 | 0.0 | 5.2 | 0.0 | --- | 12.2 | 18.6 | 15.3 | --- | 23.8 | --- |
| 2 | 21.8 | 5.8 | 0.0 | 3.7 | 0.1 | --- | 14.7 | 16.8 | 15.0 | --- | 24.1 | e21.0 |
| 3 | --- | 6.2 | 0.0 | 2.9 | 1.1 | --- | 16.3 | 15.7 | 14.2 | --- | 23.7 | 21.4 |
| 4 | --- | 7.7 | 0.0 | 2.2 | 1.3 | e3.0 | 16.4 | 13.5 | 14.5 | --- | 22.5 | 20.7 |
| 5 | 18.1 | 7.9 | 0.0 | 3.4 | 0.0 | --- | 12.3 | 15.2 | 16.1 | --- | 22.7 | 19.2 |
| 6 | 16.2 | 7.6 | 0.0 | 3.7 | 0.7 | --- | 8.8 | 17.5 | 16.2 | --- | 22.8 | 19.0 |
| 7 | 14.4 | 6.9 | 0.0 | 2.7 | 0.8 | --- | 8.7 | 17.7 | 18.4 | --- | 23.4 | 19.1 |
| 8 | 12.9 | 8.6 | 0.0 | 4.1 | 0.0 | --- | 9.0 | 16.8 | 17.8 | e24.0 | 23.0 | 19.7 |
| 9 | 13.5 | 10.7 | e0.0 | 4.9 | 0.5 | --- | 7.9 | 18.2 | 18.8 | 23.5 | 22.6 | 20.4 |
| 10 | e14.0 | 13.1 | 0.0 | 3.3 | 1.1 | --- | 9.5 | e18.7 | 18.7 | 23.0 | 21.1 | 20.9 |
| 11 | --- | --- | 0.0 | 0.1 | 0.1 | --- | e11.0 | --- | 19.9 | 22.3 | 21.7 | 20.9 |
| 12 | --- | --- | 0.0 | 0.0 | 0.0 | --- | e12.0 | --- | 20.2 | 22.0 | 21.8 | 20.2 |
| 13 | --- | 8.6 | 1.0 | 0.0 | 0.0 | --- | e13.0 | --- | 20.7 | 22.2 | 22.4 | 21.1 |
| 14 | --- | 9.6 | 2.8 | 0.1 | 0.0 | --- | e13.0 | --- | 20.6 | 22.8 | 24.3 | 21.0 |
| 15 | --- | 9.2 | 3.3 | 0.0 | 0.0 | --- | e15.0 | --- | 20.7 | 21.3 | 25.8 | 19.9 |
| 16 | --- | 6.6 | 3.6 | 0.0 | 0.0 | --- | e15.0 | --- | 20.7 | 22.7 | 25.7 | 18.7 |
| 17 | --- | 5.8 | 3.2 | 0.0 | 0.0 | e13.0 | e15.0 | --- | 21.4 | 23.3 | 25.0 | 18.9 |
| 18 | --- | 5.0 | 6.2 | 0.0 | 0.0 | 12.8 | --- | --- | 21.8 | 23.4 | 23.3 | 18.8 |
| 19 | e12.2 | 7.6 | e8.1 | 0.0 | 0.0 | 12.4 | --- | --- | 21.1 | 23.8 | 23.4 | 18.1 |
| 20 | 10.0 | 7.8 | 6.1 | 0.0 | 0.0 | 13.1 | --- | --- | 20.2 | 23.1 | e24.0 | 16.3 |
| 21 | --- | 7.5 | --- | 0.0 | 0.0 | 12.0 | e13.0 | e15.0 | 20.2 | e23.0 | --- | e16.0 |
| 22 | --- | 5.8 | --- | 0.0 | 0.0 | 10.5 | e12.0 | 14.6 | 20.8 | --- | --- | e18.7 |
| 23 | --- | 5.0 | --- | 0.0 | 0.0 | 11.6 | e10.0 | 14.7 | 21.9 | --- | --- | 17.4 |
| 24 | --- | --- | --- | 0.0 | 0.0 | 13.0 | --- | 15.0 | 23.0 | --- | --- | 17.1 |
| 25 | --- | --- | --- | 0.0 | e0.0 | 12.8 | e11.6 | 14.6 | 24.0 | --- | --- | 16.8 |
| 26 | --- | --- | --- | 0.0 | e0.0 | 12.1 | e13.5 | 14.9 | 23.1 | --- | --- | 14.7 |
| 27 | --- | --- | --- | 0.0 | 0.0 | 12.4 | e13.5 | 15.5 | 21.6 | --- | --- | 16.9 |
| 28 | --- | --- | --- | 0.0 | e0.0 | 13.2 | e15.0 | 15.2 | 21.6 | --- | --- | 14.9 |
| 29 | --- | --- | --- | 0.0 | --- | 9.7 | e17.0 | 16.5 | 23.4 | e22.5 | --- | 13.3 |
| 30 | e9.2 | --- | e6.5 | 0.0 | --- | 7.9 | e18.0 | 16.2 | e23.5 | 22.4 | --- | 12.3 |
| 31 | 9.1 | --- | 6.8 | 0.0 | --- | 8.8 | --- | 16.4 | --- | 23.1 | --- | --- |

e Estimated

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|------|-----|-------|-------|-------|------|------|------|------|-----|------|------|
| 1 | 661 | 637 | --- | 524 | 1,270 | --- | 860 | 804 | 721 | --- | 826 | --- |
| 2 | 683 | 677 | --- | 638 | 1,500 | --- | 893 | 790 | 793 | --- | 846 | --- |
| 3 | --- | 717 | --- | 754 | 1,230 | --- | 912 | 809 | 760 | --- | 861 | --- |
| 4 | --- | 737 | --- | 758 | 790 | --- | 922 | 792 | 785 | --- | 556 | --- |
| 5 | 471 | 709 | --- | 1,070 | 742 | --- | 587 | 423 | 844 | --- | 597 | --- |
| 6 | 574 | 596 | --- | 940 | 775 | --- | 727 | 583 | 868 | --- | 637 | --- |
| 7 | 607 | 674 | --- | 814 | 973 | --- | 799 | 644 | 878 | --- | 680 | --- |
| 8 | 656 | 717 | --- | 779 | 896 | --- | 849 | 693 | 894 | --- | 732 | --- |
| 9 | 702 | 747 | --- | 762 | 841 | --- | 862 | 720 | 899 | 654 | 781 | --- |
| 10 | e723 | 409 | --- | 764 | 890 | --- | 881 | e575 | 902 | 483 | 819 | --- |
| 11 | --- | --- | --- | 792 | 1,150 | --- | e881 | --- | 908 | 593 | 657 | e837 |
| 12 | --- | --- | --- | 808 | 1,380 | --- | e870 | --- | 725 | 535 | 575 | 838 |
| 13 | --- | 619 | --- | 808 | --- | --- | e860 | --- | 644 | 684 | 611 | 838 |
| 14 | --- | 668 | 1,600 | 821 | --- | --- | --- | --- | 530 | 745 | 684 | 838 |
| 15 | --- | 707 | 1,230 | 861 | --- | --- | --- | --- | 654 | 792 | 721 | 838 |
| 16 | --- | 724 | 1,060 | 862 | --- | --- | --- | --- | 725 | 784 | 761 | 838 |
| 17 | --- | 743 | 907 | 1,250 | --- | e835 | e725 | --- | 781 | 820 | 786 | 842 |
| 18 | --- | 770 | 892 | 1,100 | --- | 848 | --- | --- | 827 | 612 | 793 | 846 |
| 19 | e680 | 792 | e550 | 962 | --- | 874 | --- | --- | 854 | 680 | 783 | 840 |
| 20 | 674 | 808 | 511 | 838 | --- | 857 | --- | --- | 878 | 786 | e810 | 836 |
| 21 | --- | 821 | --- | 844 | --- | 746 | --- | e915 | 896 | --- | --- | e836 |
| 22 | --- | 804 | --- | 871 | --- | 764 | e868 | 923 | 909 | --- | --- | e450 |
| 23 | --- | 777 | --- | 901 | --- | 816 | --- | 914 | 914 | --- | --- | 523 |
| 24 | --- | --- | --- | 940 | --- | 841 | --- | 910 | 919 | --- | --- | 586 |
| 25 | --- | --- | --- | 954 | --- | 806 | e750 | 910 | 920 | --- | --- | 591 |
| 26 | --- | --- | --- | 916 | --- | 773 | e675 | 852 | 924 | --- | --- | 599 |
| 27 | --- | --- | --- | 1,130 | --- | 837 | e760 | 792 | 879 | --- | --- | 317 |
| 28 | --- | --- | --- | 921 | --- | 836 | e780 | 705 | 890 | --- | --- | 356 |
| 29 | --- | --- | --- | 1,050 | --- | 606 | --- | 596 | 889 | --- | --- | 397 |
| 30 | e500 | --- | e890 | 1,340 | --- | 757 | e783 | 770 | e897 | 792 | --- | 440 |
| 31 | 574 | --- | 604 | 1,160 | --- | 818 | --- | 697 | --- | 808 | --- | --- |

e Estimated

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Time | Instantaneous discharge, cfs (00061) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | pH, water, unfltrd field, std units (00400) | Specif. conductance, wat unfltrd uS/cm 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Alkalinity, wat flt fxd end field, mg/L as CaCO ₃ (39036) | Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086) | Bicarbonate, wat flt incrm. titr., field, mg/L (00453) | Carbonate, wat flt incrm. titr., field, mg/L (00452) | Chloride, water, fltrd, mg/L (00940) |
|-----------|------|--------------------------------------|------------------------------------|--------------------------------|---|--|---------------------------------|-----------------------------------|--|--|--|--|--------------------------------------|
| OCT 08... | 1130 | 0.49 | 753 | 10.1 | 8.5 | 662 | 18.0 | 13.0 | 200 | 203 | E246 | E1 | 57.6 |
| NOV 06... | 1230 | 6.1 | 750 | 11.2 | 8.1 | 632 | 6.0 | 7.5 | 210 | 215 | 260 | 1 | 53.8 |
| NOV 27... | 1330 | 1.8 | 764 | 16.2 | 8.1 | 870 | 3.0 | 3.5 | -- | -- | -- | -- | -- |
| DEC 09... | 1230 | 3.9 | 767 | 15.3 | 8.3 | 1,000 | 1.0 | 0.0 | 300 | 303 | E367 | E1 | 107 |
| JAN 15... | 1110 | 11 | 766 | 13.9 | 8.2 | 1,020 | -2.0 | 0.0 | 260 | 264 | 317 | E2 | 105 |
| FEB 13... | 1130 | 13 | 759 | 15.1 | 8.2 | 1,320 | 8.0 | 0.0 | 290 | 286 | E346 | E1 | 214 |
| MAR 17... | 1040 | 17 | 737 | 12.9 | 8.2 | 865 | 26.0 | 11.0 | 260 | 261 | 314 | 2 | 79.9 |
| APR 09... | 1150 | 21 | 757 | 13.2 | 8.2 | 889 | 8.0 | 8.0 | 280 | 279 | 339 | <1 | 101 |
| APR 22... | 1210 | 14 | 749 | 10.2 | 8.1 | 887 | 7.0 | 12.0 | -- | -- | -- | -- | -- |
| MAY 05... | 1120 | 337 | 725 | 10.0 | 7.7 | 421 | 24.0 | 14.5 | 130 | 126 | 152 | <1 | 40.0 |
| MAY 20... | 1040 | 15 | 744 | 8.9 | 7.8 | 890 | 19.0 | 16.5 | -- | -- | -- | -- | -- |
| JUN 02... | 1330 | 9.6 | 744 | 9.4 | 8.3 | 790 | 19.0 | 16.0 | 250 | 249 | 304 | <1 | 83.3 |
| JUN 25... | 1110 | 3.1 | 743 | 11.6 | 8.1 | 913 | 32.0 | 24.5 | -- | -- | -- | -- | -- |
| JUL 08... | 1040 | 6.4 | 739 | 8.7 | 8.2 | 692 | 32.0 | 26.5 | 200 | 192 | E234 | <1 | 77.4 |
| JUL 21... | 1210 | 158 | 728 | 6.7 | 7.8 | 251 | 36.0 | 22.0 | -- | -- | -- | -- | -- |
| AUG 05... | 1300 | 8.1 | 735 | 9.4 | 8.2 | 600 | 27.0 | 23.5 | 170 | 168 | 204 | <1 | 66.5 |
| SEP 02... | 1130 | 144 | 741 | 7.6 | 7.8 | 427 | 22.0 | 21.5 | 130 | 133 | 162 | <1 | 35.6 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Sulfate water, fltrd, mg/L (00945) | Ammonia + org-N, water, unfltrd mg/L as N (00625) | Ammonia water, fltrd, mg/L as N (00608) | Nitrite + nitrate water, fltrd, mg/L as N (00631) | Nitrite water, fltrd, mg/L as N (00613) | Orthophosphate, water, fltrd, mg/L as P (00671) | Particulate nitrogen, susp, water, mg/L (49570) | Phosphorus, water, unfltrd mg/L (00665) | Total carbon, suspnd sedimnt total, mg/L (00694) | Inorganic carbon, suspnd sedimnt total, mg/L (00688) | Organic carbon, suspnd sedimnt total, mg/L (00689) | Organic carbon, water, fltrd, mg/L (00681) | 1,4-Naphthoquinone, water, fltrd, ug/L (61611) |
|-----------|------------------------------------|---|---|---|---|---|---|---|--|--|--|--|--|
| OCT 08... | 39.3 | 0.29 | <0.04 | 0.21 | 0.035 | <0.02 | 0.03 | 0.029 | 0.2 | <0.1 | 0.2 | 3.9 | <0.05 |
| NOV 06... | 41.4 | 0.35 | <0.04 | 0.33 | 0.016 | <0.02 | 0.03 | 0.031 | 0.2 | <0.1 | 0.2 | 5.3 | M |
| NOV 27... | -- | 0.19 | <0.04 | 0.34 | E0.006 | <0.02 | -- | 0.019 | -- | -- | -- | -- | <0.05 |
| DEC 09... | 57.6 | 0.22 | <0.04 | 0.39 | 0.008 | <0.02 | <0.02 | 0.016 | 0.2 | <0.1 | 0.2 | 4.4 | <0.05 |
| JAN 15... | 56.7 | 0.24 | <0.04 | 0.94 | 0.016 | <0.02 | 0.06 | 0.015 | 0.2 | <0.1 | 0.2 | 3.4 | <0.05 |
| FEB 13... | 57.5 | <0.50 | <0.04 | 0.87 | 0.012 | <0.09 | <0.02 | 0.017 | 0.3 | <0.1 | 0.3 | 3.0 | <0.05 |
| MAR 17... | 36.5 | 0.29 | <0.04 | 0.91 | 0.009 | <0.02 | 0.05 | 0.026 | 0.5 | <0.1 | 0.5 | 4.4 | <0.05 |
| APR 09... | 46.5 | 0.29 | <0.04 | 1.30 | E0.007 | <0.02 | 0.07 | 0.067 | 1.9 | <0.1 | 1.9 | 3.0 | <0.05 |
| APR 22... | -- | 0.32 | <0.04 | 0.86 | 0.009 | <0.02 | -- | 0.017 | -- | -- | -- | -- | <0.05 |
| MAY 05... | 19.7 | 2.5 | <0.04 | 0.71 | 0.030 | <0.02 | 0.97 | 0.46 | 9.6 | 0.3 | 9.3 | 6.8 | <0.05 |
| MAY 20... | -- | 0.37 | <0.04 | 0.98 | 0.027 | <0.02 | -- | 0.033 | -- | -- | -- | -- | <0.05 |
| JUN 02... | 38.9 | 0.35 | <0.04 | 0.47 | 0.029 | <0.02 | 0.07 | 0.032 | 0.6 | <0.1 | 0.5 | 3.2 | <0.05 |
| JUN 25... | -- | 0.30 | <0.04 | 0.33 | 0.032 | <0.02 | -- | 0.028 | -- | -- | -- | -- | <0.05 |
| JUL 08... | 35.2 | 0.43 | <0.04 | 0.37 | 0.009 | E0.01 | 0.05 | 0.047 | 0.4 | <0.1 | 0.4 | 4.7 | -- |
| JUL 21... | -- | 2.0 | <0.04 | 0.57 | 0.025 | <0.02 | -- | 0.53 | -- | -- | -- | -- | <0.05 |
| AUG 05... | 31.0 | 0.42 | <0.04 | 0.30 | 0.013 | E0.01 | 0.10 | 0.049 | 0.5 | <0.1 | 0.5 | 4.5 | <0.05 |
| SEP 02... | 23.9 | 1.0 | <0.04 | 0.58 | 0.047 | 0.02 | 0.62 | 0.22 | 5.2 | 0.2 | 5.1 | 6.1 | <0.05 |

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | 1-Naphthol, water, fltrd 0.7u GF ug/L (49295) | 2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637) | 2,5-Di-chloro-aniline water, fltrd, ug/L (61614) | 2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660) | 2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615) | 2Amino-N-iso-propyl-benzamide, wat flt ug/L (61617) | 2Chloro-2,6-'diethyl acet-anilide wat flt ug/L (61618) | CIAT, water, fltrd, ug/L (04040) | 2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620) | 3-(Tri-fluoro-methyl)-aniline water, fltrd, ug/L (61630) | 3,4-Di-chloro-aniline water, fltrd, ug/L (61625) | 3,5-Di-chloro-aniline water, fltrd, ug/L (61627) | 3-Phen-oxy-benzyl alcohol water, fltrd, ug/L (61629) |
|-----------|--|--|--|--|---|--|---|--|---|--|--|--|--|
| OCT 08... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.017 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| NOV 06... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.011 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| NOV 27... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.008 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| DEC 09... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.006 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| JAN 15... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.006 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| FEB 13... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.008 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| MAR 17... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.006 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| APR 09... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.007 | <0.004 | <0.01 | <0.004 | <0.005 | -- |
| APR 22... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.010 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| MAY 05... | E0.03 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.023 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| MAY 20... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.010 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| JUN 02... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.067 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| JUN 25... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.021 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| JUL 08... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.043 | <0.004 | <0.01 | <0.004 | <0.005 | <0.05 |
| JUL 21... | E0.01 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.013 | <0.004 | <0.01 | <0.004 | <0.005 | -- |
| AUG 05... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.016 | <0.004 | <0.01 | <0.004 | <0.005 | -- |
| SEP 02... | <0.09 | <0.01 | <0.03 | <0.006 | <0.1 | <0.005 | <0.005 | E0.012 | <0.004 | <0.01 | <0.004 | <0.005 | -- |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | 4-(MeOH)-pendi-meth-alin, wat flt ug/L (61665) | 4,4-Di'chloro-benzo-phen-one, wat flt ug/L (61631) | 4Chloro-2methyl phenol, water, fltrd, ug/L (61633) | 4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634) | Aceto-chlor, water, fltrd, ug/L (49260) | Ala-chlor, water, fltrd, ug/L (46342) | alpha-Endo-sulfan, water, fltrd, ug/L (34362) | alpha-HCH, water, fltrd, ug/L (34253) | Amino-methyl-phos-phonic acid, wat flt ug/L (62649) | Atra-zine, water, fltrd, ug/L (39632) | Azin-phos-methyl oxon, water, fltrd, ug/L (61635) | Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686) | Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673) |
|-----------|---|---|--|--|---|---|---|---|--|---|---|--|---|
| OCT 08... | <0.1 | <0.003 | <0.006 | <0.03 | <0.006 | <0.004 | <0.005 | <0.005 | 0.3 | 0.121 | <0.02 | <0.050 | <0.010 |
| NOV 06... | -- | <0.003 | <0.006 | <0.03 | <0.006 | <0.004 | <0.005 | <0.005 | <0.1 | 0.041 | <0.02 | <0.050 | <0.010 |
| NOV 27... | <0.1 | <0.003 | <0.006 | <0.03 | <0.006 | <0.004 | <0.005 | <0.005 | <0.1 | 0.025 | <0.02 | <0.050 | <0.010 |
| DEC 09... | <0.1 | <0.003 | <0.006 | <0.03 | <0.006 | <0.004 | <0.005 | <0.005 | <0.1 | 0.019 | <0.02 | <0.050 | <0.010 |
| JAN 15... | <0.1 | <0.003 | <0.006 | <0.03 | <0.006 | <0.004 | <0.005 | <0.005 | <0.1 | 0.018 | <0.02 | <0.050 | <0.010 |
| FEB 13... | <0.1 | <0.003 | <0.006 | <0.03 | <0.006 | <0.004 | <0.005 | <0.005 | <0.1 | 0.017 | <0.12 | <0.050 | <0.010 |
| MAR 17... | <0.1 | <0.003 | <0.006 | <0.03 | <0.006 | <0.004 | <0.005 | <0.005 | <0.1 | 0.011 | <0.02 | <0.050 | <0.010 |
| APR 09... | -- | <0.003 | <0.006 | <0.03 | E0.005 | <0.004 | <0.005 | <0.005 | <0.1 | 0.018 | <0.02 | <0.050 | <0.010 |
| APR 22... | <0.1 | <0.003 | E0.005 | <0.03 | 0.018 | <0.004 | <0.005 | <0.005 | <0.1 | 0.038 | <0.02 | <0.050 | <0.010 |
| MAY 05... | <0.1 | <0.003 | E0.023 | <0.03 | 0.062 | <0.004 | <0.005 | <0.005 | <0.1 | 0.092 | <0.02 | <0.050 | <0.010 |
| MAY 20... | <0.1 | <0.003 | <0.006 | <0.03 | 0.011 | <0.004 | <0.005 | <0.005 | <0.1 | 0.036 | <0.03 | <0.050 | <0.010 |
| JUN 02... | -- | <0.003 | E0.004 | <0.03 | 0.097 | 0.005 | <0.005 | <0.005 | <0.1 | 0.542 | <0.02 | <0.050 | <0.010 |
| JUN 25... | <0.1 | <0.016 | <0.006 | <0.03 | 0.008 | <0.004 | <0.005 | <0.005 | <0.1 | 0.119 | <0.02 | <0.050 | <0.010 |
| JUL 08... | <0.1 | <0.003 | <0.006 | <0.03 | 0.019 | <0.004 | <0.005 | <0.005 | 0.2 | 0.348 | <0.02 | <0.050 | <0.010 |
| JUL 21... | -- | <0.003 | <0.006 | <0.03 | 0.012 | <0.004 | <0.005 | <0.005 | 0.4 | 0.069 | <0.03 | <0.050 | <0.010 |
| AUG 05... | -- | <0.003 | E0.005 | <0.03 | <0.006 | <0.004 | <0.005 | <0.005 | 0.3 | 0.085 | <0.02 | <0.050 | <0.010 |
| SEP 02... | -- | <0.003 | <0.006 | <0.03 | 0.010 | <0.004 | <0.005 | <0.005 | 0.1 | 0.053 | <0.02 | <0.050 | <0.010 |

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | beta-Endo-sulfan, water, fltrd, ug/L (34357) | Bifen-thrin, water, fltrd, ug/L (61580) | Butyl-ate, water, fltrd, ug/L (04028) | Car-baryl, water, fltrd, 0.7u GF ug/L (82680) | Carbo-furan, water, fltrd, 0.7u GF ug/L (82674) | Chlor-pyrifos oxon, water, fltrd, ug/L (61636) | Chlor-pyrifos water, fltrd, ug/L (38933) | cis-Per-methrin water fltrd, 0.7u GF ug/L (82687) | cis-Propi-cona-zole, water, fltrd, ug/L (79846) | Cyana-zine, water, fltrd, ug/L (04041) | Cyclo-ate, water, fltrd, ug/L (04031) | Cyflu-thrin, water, fltrd, ug/L (61585) | Cyhalo-thrin, water, fltrd, ug/L (61595) |
|-----------|--|---|---------------------------------------|---|---|--|--|---|---|--|---------------------------------------|---|--|
| OCT 08... | <0.01 | <0.005 | <0.002 | <0.041 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| NOV 06... | <0.01 | <0.005 | <0.002 | E0.005 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| 27... | <0.01 | <0.005 | <0.002 | <0.041 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| DEC 09... | <0.01 | <0.005 | <0.002 | <0.041 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| JAN 15... | <0.01 | <0.005 | <0.002 | <0.041 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| FEB 13... | <0.01 | <0.005 | <0.002 | <0.041 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| MAR 17... | <0.01 | <0.005 | <0.002 | <0.041 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| APR 09... | <0.01 | <0.005 | <0.002 | E0.011 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| 22... | <0.01 | <0.005 | <0.002 | E0.011 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| MAY 05... | <0.01 | <0.005 | <0.002 | E0.298 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| 20... | <0.01 | <0.005 | <0.002 | E0.009 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| JUN 02... | <0.01 | <0.005 | <0.002 | E0.015 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| 25... | <0.01 | <0.005 | <0.002 | <0.041 | <0.020 | <0.02 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.016 | <0.009 |
| JUL 08... | <0.01 | <0.005 | <0.002 | E0.004 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| 21... | <0.01 | <0.005 | <0.002 | E0.388 | <0.020 | <0.06 | <0.005 | <0.006 | 0.019 | <0.018 | <0.005 | <0.008 | <0.009 |
| AUG 05... | <0.01 | <0.005 | <0.002 | E0.017 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |
| SEP 02... | <0.01 | <0.005 | <0.002 | E0.052 | <0.020 | <0.06 | <0.005 | <0.006 | <0.008 | <0.018 | <0.005 | <0.008 | <0.009 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Cyber-methrin water, fltrd, ug/L (61586) | DCPA, water fltrd, 0.7u GF ug/L (82682) | Desulf-inyl fipro-nil, water, fltrd, ug/L (62170) | Diazi-non, water, fltrd, ug/L (39572) | Dicro-tophos, water, fltrd, ug/L (38454) | Diel-drin, water, fltrd, ug/L (39381) | Dimeth-uate, water, fltrd, 0.7u GF ug/L (82662) | Disulf-oton sulfone water, fltrd, ug/L (61640) | Disulf-oton sulf-oxide, water, fltrd, ug/L (61641) | Disul-foton, water, fltrd, 0.7u GF ug/L (82677) | e-Di-metho-morph, water, fltrd, ug/L (79844) | Endo-sulfan ether, water, fltrd, ug/L (61642) | Endo-sulfan sulfate water, fltrd, ug/L (61590) |
|-----------|--|---|---|---------------------------------------|--|---------------------------------------|---|--|--|---|--|---|--|
| OCT 08... | <0.009 | <0.003 | <0.004 | 0.035 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| NOV 06... | <0.009 | <0.003 | <0.004 | 0.101 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| 27... | <0.009 | <0.003 | <0.004 | E0.025 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| DEC 09... | <0.009 | <0.003 | <0.004 | 0.012 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| JAN 15... | <0.009 | <0.003 | <0.004 | 0.012 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| FEB 13... | <0.009 | <0.003 | <0.004 | 0.009 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| MAR 17... | <0.009 | <0.003 | <0.004 | 0.007 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| APR 09... | <0.009 | <0.003 | <0.004 | 0.013 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| 22... | <0.009 | <0.003 | <0.004 | 0.012 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| MAY 05... | <0.009 | <0.003 | <0.004 | 0.145 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| 20... | <0.009 | <0.003 | <0.004 | 0.018 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| JUN 02... | <0.009 | <0.003 | <0.004 | 0.037 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| 25... | <0.016 | <0.003 | <0.004 | E0.011 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| JUL 08... | <0.009 | <0.003 | <0.004 | 0.040 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| 21... | <0.009 | <0.003 | <0.004 | 0.117 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| AUG 05... | <0.009 | <0.003 | <0.004 | 0.029 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |
| SEP 02... | <0.009 | <0.003 | <0.004 | 0.049 | <0.08 | <0.005 | <0.006 | <0.02 | <0.002 | <0.02 | <0.02 | <0.004 | <0.006 |

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | EPTC, water, fltrd 0.7u GF ug/L (82668) | Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663) | Ethion monoxon water, fltrd, ug/L (61644) | Ethion, water, fltrd, ug/L (82346) | Etho- prop, water, fltrd 0.7u GF ug/L (82672) | Fenami- phos sulfone water, fltrd, ug/L (61645) | Fenami- phos sulf- oxide, water, fltrd, ug/L (61646) | Fenami- phos, water, fltrd, ug/L (61591) | Fen- thion sulf- oxide, water, fltrd, ug/L (61647) | Fen- thion, water, fltrd, ug/L (38801) | Desulf- inyl- fipro- nil amide, wat flt ug/L (62169) | Fipro- nil sulfide water, fltrd, ug/L (62167) | Fipro- nil sulfone water, fltrd, ug/L (62168) |
|-----------|--|---|--|--|---|---|---|---|---|---|---|---|---|
| OCT 08... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| NOV 06... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| NOV 27... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| DEC 09... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| JAN 15... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| FEB 13... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | -- | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| MAR 17... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| APR 09... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| APR 22... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| MAY 05... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| MAY 20... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.031 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| JUN 02... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| JUN 25... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| JUL 08... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| JUL 21... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| AUG 05... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |
| SEP 02... | <0.002 | <0.009 | <0.03 | <0.004 | <0.005 | <0.008 | <0.03 | <0.03 | <0.008 | <0.02 | <0.009 | <0.005 | <0.005 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Fipro- nil, water, fltrd, ug/L (62166) | Flume- tralin, water, fltrd, ug/L (61592) | Fonofos oxon, water, fltrd, ug/L (61649) | Fonofos water, fltrd, ug/L (04095) | Glufo- sinate, water, fltrd 0.7u GF ug/L (62721) | Glypho- sate, water, fltrd 0.7u GF ug/L (62722) | Hexa- zinone, water, fltrd, ug/L (04025) | Ipro- dione, water, fltrd, ug/L (61593) | Isofen- phos, water, fltrd, ug/L (61594) | Lindane water, fltrd, ug/L (39341) | Linuron water fltrd 0.7u GF (82666) | Mala- oxon, water, fltrd, ug/L (61652) | Mala- thion, water, fltrd, ug/L (39532) |
|-----------|---|--|---|--|--|---|---|--|---|--|---|---|--|
| OCT 08... | <0.007 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | E0.005 |
| NOV 06... | <0.007 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| NOV 27... | <0.007 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| DEC 09... | <0.007 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| JAN 15... | <0.007 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| FEB 13... | <0.007 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| MAR 17... | E0.006 | <0.004 | <0.002 | <0.003 | <0.1 | 0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| APR 09... | <0.007 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| APR 22... | <0.007 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| MAY 05... | E0.012 | <0.004 | <0.002 | <0.003 | <0.1 | 0.2 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | E0.011 |
| MAY 20... | E0.006 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| JUN 02... | E0.003 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| JUN 25... | <0.007 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| JUL 08... | <0.007 | <0.004 | <0.002 | <0.003 | <0.1 | <0.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| JUL 21... | E0.007 | <0.004 | <0.002 | <0.003 | <0.1 | 1.1 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | E0.024 |
| AUG 05... | <0.007 | <0.004 | <0.002 | <0.003 | 0.1 | 0.3 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |
| SEP 02... | E0.016 | <0.004 | <0.002 | <0.003 | <0.1 | 0.2 | <0.013 | <1 | <0.003 | <0.004 | <0.035 | <0.008 | <0.027 |

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Meta-laxyl, water, fltrd, ug/L (61596) | Methi-althion water, fltrd, ug/L (61598) | c-Per-methric acid methyl ester, wat flt ug/L (79842) | Methyl para-oxon, water, fltrd, ug/L (61664) | Methyl para-thion, water, fltrd 0.7u GF ug/L (82667) | t-Per-methric acid methyl ester, wat flt ug/L (79843) | Metola-chlor, water, fltrd, ug/L (39415) | Metri-buzin, water, fltrd, ug/L (82630) | Moli-nate, water, fltrd 0.7u GF ug/L (82671) | Myclo-butanil water, fltrd, ug/L (61599) | Naprop-amide, water, fltrd 0.7u GF ug/L (82684) | O-Et-O-Me-S-Pr-phos-phorothioate wat flt ug/L (61660) | Oxy-fluor-fen, water, fltrd, ug/L (61600) |
|-----------|--|--|---|--|--|---|--|---|--|--|---|---|---|
| OCT 08... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.012 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| NOV 06... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.011 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| NOV 27... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.009 | <0.006 | <0.002 | <0.008 | E0.004 | <0.008 | <0.007 |
| DEC 09... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.003 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| JAN 15... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.010 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| FEB 13... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.012 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| MAR 17... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.008 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| APR 09... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.012 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| APR 22... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | 0.017 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| MAY 05... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | 0.039 | 0.192 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| MAY 20... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | 0.014 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| JUN 02... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | 0.054 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| JUN 25... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.011 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| JUL 08... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | 0.021 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| JUL 21... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | 0.015 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| AUG 05... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.008 | <0.006 | <0.002 | <0.008 | <0.007 | <0.008 | <0.007 |
| SEP 02... | <0.005 | <0.006 | <0.04 | <0.03 | <0.006 | <0.03 | E0.008 | <0.006 | <0.002 | 0.010 | <0.007 | <0.008 | <0.007 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | p,p'-DDE, water, fltrd, ug/L (34653) | Para-oxon, water, fltrd, ug/L (61663) | Para-thion, water, fltrd, ug/L (39542) | Peb-ulate, water, fltrd 0.7u GF ug/L (82669) | Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683) | Phorate oxon, water, fltrd, ug/L (61666) | Phorate water fltrd 0.7u GF ug/L (82664) | Phosmet oxon, water, fltrd, ug/L (61668) | Phosmet water, fltrd, ug/L (61601) | Phoste-bupirim water, fltrd, ug/L (61602) | Pro-fenofos water, fltrd, ug/L (61603) | Prome-ton, water, fltrd, ug/L (04037) | Prome-tryn, water, fltrd, ug/L (04036) |
|-----------|--------------------------------------|---------------------------------------|--|--|--|--|--|--|------------------------------------|---|--|---------------------------------------|--|
| OCT 08... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.04 | <0.005 |
| NOV 06... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.05 | <0.005 |
| NOV 27... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.03 | <0.005 |
| DEC 09... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.02 | <0.005 |
| JAN 15... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.02 | <0.005 |
| FEB 13... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.02 | <0.005 |
| MAR 17... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.02 | <0.005 |
| APR 09... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | E0.01 | <0.005 |
| APR 22... | <0.003 | <0.008 | <0.010 | <0.004 | E0.014 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.02 | <0.005 |
| MAY 05... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.10 | <0.005 |
| MAY 20... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.02 | <0.005 |
| JUN 02... | <0.003 | <0.008 | <0.010 | <0.004 | E0.007 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.07 | <0.005 |
| JUN 25... | <0.003 | <0.016 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.08 | <0.005 |
| JUL 08... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.07 | <0.005 |
| JUL 21... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.31 | <0.005 |
| AUG 05... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.06 | <0.005 |
| SEP 02... | <0.003 | <0.008 | <0.010 | <0.004 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.005 | <0.006 | 0.06 | <0.005 |

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Pronamide, water, fltrd, 0.7u GF ug/L (82676) | Propachlor, water, fltrd, ug/L (04024) | Propanil, water, fltrd, 0.7u GF ug/L (82679) | Propargite, water, fltrd, 0.7u GF ug/L (82685) | Propetamphos, water, fltrd, ug/L (61604) | Simazine, water, fltrd, ug/L (04035) | Sulfo-tepp, water, fltrd, ug/L (61605) | Sulprofos, water, fltrd, ug/L (38716) | Tebupirimphos oxon, water, fltrd, ug/L (61669) | Tebu-thiuron water fltrd, 0.7u GF ug/L (82670) | Tefluthrin metabolite R119365 wat flt ug/L (61671) | Tefluthrin metabolite R152913 wat flt ug/L (61672) | Tefluthrin, water, fltrd, ug/L (61606) |
|-----------|---|--|--|--|--|--------------------------------------|--|---------------------------------------|--|--|--|--|--|
| OCT 08... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.006 | <0.003 | <0.02 | <0.006 | <0.02 | <0.02 | <0.01 | <0.008 |
| NOV 06... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.007 | <0.003 | <0.02 | <0.006 | <0.02 | <0.02 | <0.01 | <0.008 |
| NOV 27... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.007 | <0.003 | <0.02 | <0.006 | <0.02 | <0.02 | <0.01 | <0.008 |
| DEC 09... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.006 | <0.003 | <0.02 | <0.006 | <0.02 | <0.02 | <0.01 | <0.008 |
| JAN 15... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.008 | <0.003 | <0.02 | <0.006 | <0.02 | <0.02 | <0.01 | <0.008 |
| FEB 13... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | <0.005 | <0.003 | <0.02 | <0.006 | <0.02 | <0.02 | <0.01 | <0.008 |
| MAR 17... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | E0.003 | <0.003 | <0.02 | <0.006 | <0.02 | <0.02 | <0.01 | <0.008 |
| APR 09... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | <0.005 | <0.003 | <0.02 | <0.006 | <0.02 | -- | -- | <0.008 |
| APR 22... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.008 | <0.003 | <0.02 | <0.006 | <0.02 | -- | -- | <0.008 |
| MAY 05... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | <0.005 | <0.003 | <0.02 | <0.006 | <0.02 | -- | -- | <0.008 |
| MAY 20... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | E0.004 | <0.003 | <0.02 | <0.006 | E0.01 | -- | -- | <0.008 |
| JUN 02... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.255 | <0.003 | <0.02 | <0.006 | <0.02 | -- | -- | <0.008 |
| JUN 25... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.108 | <0.003 | <0.02 | <0.006 | <0.02 | -- | -- | <0.008 |
| JUL 08... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.089 | <0.003 | <0.02 | <0.006 | <0.02 | -- | -- | <0.008 |
| JUL 21... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.016 | <0.003 | <0.02 | <0.006 | <0.02 | -- | -- | <0.008 |
| AUG 05... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.017 | <0.003 | <0.02 | <0.006 | <0.02 | -- | -- | <0.008 |
| SEP 02... | <0.004 | <0.010 | <0.011 | <0.02 | <0.004 | 0.010 | <0.003 | <0.02 | <0.006 | <0.02 | -- | -- | <0.008 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Temephos, water, fltrd, ug/L (61607) | Terbacil, water, fltrd, 0.7u GF ug/L (82665) | Terbufos oxon sulfone water, fltrd, ug/L (61674) | Terbufos, water, fltrd, 0.7u GF ug/L (82675) | Terbuthylazine, water, fltrd, ug/L (04022) | Thio-bencarb water fltrd, 0.7u GF ug/L (82681) | trans-Propiconazole, water, fltrd, ug/L (79847) | Tri-allate, water, fltrd, 0.7u GF ug/L (82678) | Tribu-phos, water, fltrd, ug/L (61610) | Tri-fluralin, water, fltrd, 0.7u GF ug/L (82661) | z-Di-metho-morph, water, fltrd, ug/L (79845) | Di-chlorvos, water fltrd, ug/L (38775) | Suspnd. sedi-ment, sieve diametr percent <.063mm (70331) |
|-----------|--------------------------------------|--|--|--|--|--|---|--|--|--|--|--|--|
| OCT 08... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 40 |
| NOV 06... | <0.3 | <0.140 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 56 |
| NOV 27... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 69 |
| DEC 09... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 32 |
| JAN 15... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 24 |
| FEB 13... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 70 |
| MAR 17... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 90 |
| APR 09... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 98 |
| APR 22... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 85 |
| MAY 05... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | E0.01 | 81 |
| MAY 20... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 75 |
| JUN 02... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 34 |
| JUN 25... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 73 |
| JUL 08... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 92 |
| JUL 21... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | 0.02 | <0.002 | <0.004 | <0.009 | <0.05 | E0.01 | 90 |
| AUG 05... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | 80 |
| SEP 02... | <0.3 | <0.034 | <0.07 | <0.02 | <0.01 | <0.005 | <0.01 | <0.002 | <0.004 | <0.009 | <0.05 | <0.01 | -- |

WABASH RIVER BASIN

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Suspended sediment concentration mg/L (80154) |
|-------|---|
| OCT | |
| 08... | 17 |
| NOV | |
| 06... | 5 |
| 27... | 17 |
| DEC | |
| 09... | 19 |
| JAN | |
| 15... | 32 |
| FEB | |
| 13... | 44 |
| MAR | |
| 17... | 11 |
| APR | |
| 09... | 101 |
| 22... | 10 |
| MAY | |
| 05... | 389 |
| 20... | 53 |
| JUN | |
| 02... | 58 |
| 25... | 22 |
| JUL | |
| 08... | 5 |
| 21... | 401 |
| AUG | |
| 05... | 4 |
| SEP | |
| 02... | 138 |

03353700 WEST FORK WHITE LICK CREEK AT DANVILLE, IN

LOCATION.--Lat 39°45'39", long 86°30'54", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.15 N., R.1 W., Hendricks County, Hydrologic Unit 05120201, (DANVILLE, IN quadrangle), at Danville Filtration Plant, 600 ft upstream of U.S. Highway 36 bridge, 0.6 mi upstream from small left bank tributary, and 7 mi west of Avon.

DRAINAGE AREA.--28.8 mi².

PERIOD OF RECORD.--May 1958 to October 2003 (discontinued).

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 828.83 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 23, 1968, nonrecording gage and crest-stage gage on upstream side of bridge at same datum. Oct. 23, 1968, to Aug. 6, 1970, water-stage recorder on upstream side of bridge at same datum. Aug. 7, 1970 to Nov. 14, 1994, water-stage recorder on downstream side of bridge at same datum.

REMARKS.--Records fair except those for Oct. 1 - Dec. 9; Mar. 9 - Apr. 14; May 10 - June 9; Sept. 3-21, and estimated daily discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 16.0 ft, from floodmarks, discharge, 6,660 ft³/s, from contracted-opening measurement.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|---------|-------|---------|
| 1 | 1.0 | 3.9 | 8.0 | 213 | e3.7 | e11 | 37 | 9.3 | 12 | 13 | 6.1 | 3,770 |
| 2 | 0.77 | 2.1 | 7.0 | 99 | e3.8 | e12 | 28 | 16 | 10 | 20 | 5.3 | 1,270 |
| 3 | 0.75 | 1.6 | e5.6 | 63 | e10 | e13 | 23 | 11 | 11 | 7.2 | 11 | 248 |
| 4 | 2.2 | 1.6 | e4.4 | 46 | e70 | e15 | 21 | 10 | 9.6 | 5.3 | 88 | 119 |
| 5 | 0.15 | 2.2 | e3.6 | 39 | e40 | e130 | 19 | 170 | 7.8 | 280 | 21 | 77 |
| 6 | 0.21 | 4.7 | e3.0 | 33 | e20 | e90 | 14 | 95 | 7.3 | 775 | 12 | 54 |
| 7 | 0.26 | 4.8 | e2.6 | 34 | e17 | 52 | 16 | 68 | 6.9 | 142 | 8.5 | 42 |
| 8 | 0.09 | 3.4 | e2.3 | 56 | e14 | 252 | 15 | 42 | 5.6 | 103 | 7.0 | 33 |
| 9 | 0.08 | 3.1 | e2.1 | 109 | e13 | 251 | 14 | 62 | 5.6 | 268 | 9.4 | 27 |
| 10 | 0.08 | 69 | e2.1 | 53 | e12 | 91 | 12 | 501 | 5.2 | 266 | 56 | 22 |
| 11 | 0.11 | 104 | e2.4 | e32 | e12 | 60 | 10 | 524 | 5.6 | 91 | 22 | 19 |
| 12 | 0.15 | 30 | e3.4 | e20 | e11 | 55 | 10 | 162 | 7.2 | 50 | 15 | 16 |
| 13 | 0.18 | 19 | 4.4 | e15 | e10 | 138 | 9.7 | 82 | 30 | 29 | 10 | 16 |
| 14 | 0.19 | 14 | 4.9 | e11 | 10 | 107 | 8.3 | 72 | 48 | 19 | 7.6 | 14 |
| 15 | 0.14 | 12 | 4.3 | e9.0 | 33 | 78 | 8.8 | 144 | 19 | 17 | 6.2 | 14 |
| 16 | 0.14 | 10 | 3.9 | e7.6 | e16 | 75 | 8.8 | 55 | 11 | 13 | 5.5 | 11 |
| 17 | 0.11 | 9.4 | 3.7 | e6.6 | e13 | 58 | 12 | 35 | 9.0 | 9.8 | 4.9 | 11 |
| 18 | 0.13 | 8.7 | 7.2 | e5.8 | 11 | 39 | 9.4 | 26 | 7.9 | 14 | 3.9 | 9.5 |
| 19 | 1.0 | 8.8 | 190 | e5.4 | 11 | 39 | 8.3 | 20 | 6.8 | 9.9 | 3.4 | 8.9 |
| 20 | 0.14 | 7.8 | 162 | e5.0 | 47 | 41 | 10 | 18 | 5.8 | 8.1 | 2.9 | 7.8 |
| 21 | 0.09 | 8.0 | 65 | e4.7 | 102 | 79 | 11 | 14 | 5.3 | 171 | 2.6 | 8.3 |
| 22 | 0.07 | 11 | 36 | e4.4 | e180 | 52 | 8.9 | 12 | 4.9 | 120 | 2.3 | 115 |
| 23 | 0.09 | 12 | 25 | e4.3 | e70 | 34 | 7.4 | 12 | 4.6 | 54 | 1.9 | 61 |
| 24 | 0.13 | 11 | 21 | e4.2 | e40 | 29 | 7.3 | 9.9 | 4.1 | 25 | 1.5 | 28 |
| 25 | 2.8 | 9.4 | e15 | e4.1 | e24 | 35 | 17 | 9.2 | 3.8 | 16 | 1.3 | 25 |
| 26 | 4.6 | 8.5 | e12 | e4.0 | e17 | 58 | 24 | 9.1 | 4.2 | 12 | 1.2 | 30 |
| 27 | 3.0 | 7.8 | e11 | e3.9 | e14 | 40 | 14 | 7.8 | 4.1 | 11 | 1.4 | 205 |
| 28 | 1.5 | 7.3 | e10 | e3.8 | e12 | 49 | 12 | 9.5 | 3.4 | 11 | 1.0 | 70 |
| 29 | 7.5 | 8.4 | e10 | e3.8 | --- | 187 | 11 | 14 | 3.2 | 9.5 | 2.6 | 40 |
| 30 | 18 | 10 | 103 | e3.7 | --- | 77 | 9.6 | 9.5 | 2.7 | 7.7 | 19 | 27 |
| 31 | 6.2 | --- | 306 | e3.7 | --- | 47 | --- | 21 | --- | 6.8 | 12 | --- |
| TOTAL | 51.86 | 413.5 | 1,040.9 | 907.0 | 836.5 | 2,294 | 416.5 | 2,250.3 | 271.6 | 2,584.3 | 352.5 | 6,398.5 |
| MEAN | 1.67 | 13.8 | 33.6 | 29.3 | 29.9 | 74.0 | 13.9 | 72.6 | 9.05 | 83.4 | 11.4 | 213 |
| MAX | 18 | 104 | 306 | 213 | 180 | 252 | 37 | 524 | 48 | 775 | 88 | 3,770 |
| MIN | 0.07 | 1.6 | 2.1 | 3.7 | 3.7 | 11 | 7.3 | 7.8 | 2.7 | 5.3 | 1.0 | 7.8 |
| CFSM | 0.06 | 0.48 | 1.17 | 1.02 | 1.04 | 2.57 | 0.48 | 2.52 | 0.31 | 2.89 | 0.39 | 7.41 |
| IN. | 0.07 | 0.53 | 1.34 | 1.17 | 1.08 | 2.96 | 0.54 | 2.91 | 0.35 | 3.34 | 0.46 | 8.26 |

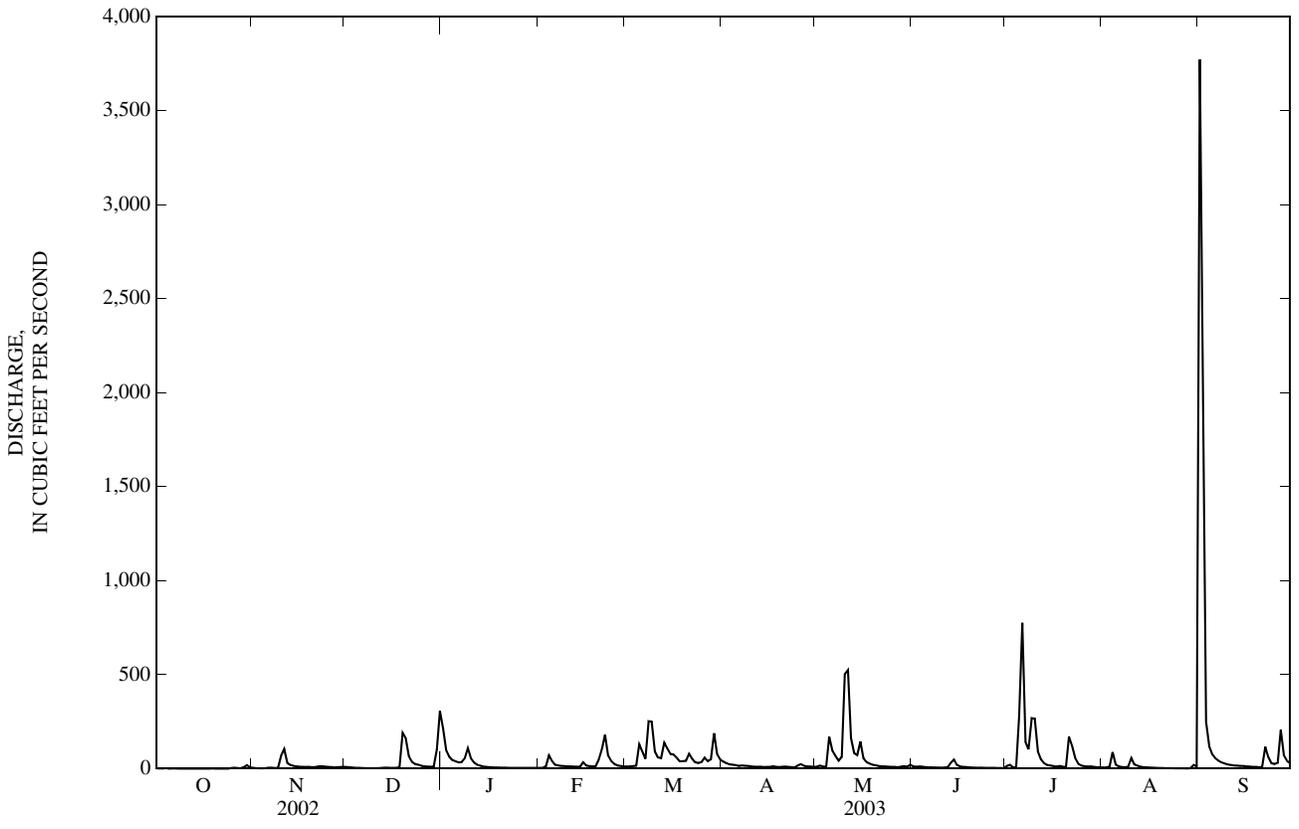
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2003, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 11.4 | 27.2 | 37.8 | 37.5 | 48.3 | 59.7 | 51.4 | 41.6 | 23.4 | 19.9 | 8.32 | 10.9 |
| MAX | 119 | 156 | 154 | 134 | 151 | 145 | 123 | 178 | 174 | 134 | 69.4 | 213 |
| (WY) | (2002) | (1986) | (1991) | (1999) | (1990) | (1978) | (1996) | (1996) | (1998) | (1979) | (1979) | (2003) |
| MIN | 0.000 | 0.041 | 0.035 | 0.062 | 2.82 | 8.86 | 9.14 | 3.87 | 0.51 | 0.14 | 0.026 | 0.000 |
| (WY) | (1965) | (2000) | (1964) | (1977) | (1964) | (1994) | (1971) | (1976) | (1988) | (1991) | (1964) | (1999) |

03353700 WEST FORK WHITE LICK CREEK AT DANVILLE, IN—Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | FOR 2003 WATER YEAR | | WATER YEARS 1959 - 2003 | |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|-------------|
| ANNUAL TOTAL | 14,375.29 | | 17,817.46 | | | |
| ANNUAL MEAN | 39.4 | | 48.8 | | 31.4 | |
| HIGHEST ANNUAL MEAN | | | | | 55.7 | 1973 |
| LOWEST ANNUAL MEAN | | | | | 6.35 | 1966 |
| HIGHEST DAILY MEAN | 1,430 | May 13 | 3,770 | Sep 1 | 3,770 | Sep 1, 2003 |
| LOWEST DAILY MEAN | 0.07 | Oct 22 | 0.07 | Oct 22 | 0.00 | Oct 3, 1960 |
| ANNUAL SEVEN-DAY MINIMUM | 0.13 | Oct 8 | 0.13 | Oct 8 | 0.00 | Oct 3, 1960 |
| MAXIMUM PEAK FLOW | | | 7,090 | Sep 1 | 7,090 | Sep 1, 2003 |
| MAXIMUM PEAK STAGE | | | 13.79 | Sep 1 | 13.79 | Sep 1, 2003 |
| ANNUAL RUNOFF (CFSM) | 1.37 | | 1.69 | | 1.09 | |
| ANNUAL RUNOFF (INCHES) | 18.57 | | 23.01 | | 14.83 | |
| 10 PERCENT EXCEEDS | 99 | | 93 | | 72 | |
| 50 PERCENT EXCEEDS | 8.7 | | 11 | | 8.4 | |
| 90 PERCENT EXCEEDS | 0.44 | | 2.2 | | 0.19 | |

e Estimated



03353800 WHITE LICK CREEK AT MOORESVILLE, IN

LOCATION.--Lat 39°36'28", long 86°22'56", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.14 N., R.1 E., Morgan County, Hydrologic Unit 05120201, (MOORESVILLE WEST, IN quadrangle), on right bank at downstream side of bridge on State Highway 42 at Mooresville, 0.9 mi downstream from McCracken Creek, 2.0 mi upstream from East Fork White Lick Creek, and at mile 11.4.

DRAINAGE AREA.--212 mi².

PERIOD OF RECORD.--August 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 644.64 ft above National Geodetic Vertical Datum of 1929. Dec. 10, 1963 to Sept. 30, 1964, nonrecording gage at bridge 1,950 ft upstream at datum 1.39 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Pumpage from a well field above gage affects low flows.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 22.5 ft, from levels to high-water mark by State of Indiana, Department of Natural Resources.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|
| 1 | 34 | 56 | 45 | 1,210 | e56 | 165 | 305 | 111 | 145 | 53 | 59 | 4,870 |
| 2 | 35 | 42 | 40 | 580 | e62 | 178 | 251 | 124 | 103 | 81 | 54 | 13,200 |
| 3 | 29 | 36 | 38 | 390 | 112 | 166 | 214 | 134 | 108 | 70 | 57 | 1,860 |
| 4 | 30 | 34 | 36 | 299 | 407 | 174 | 198 | 112 | 99 | 60 | 206 | 801 |
| 5 | 50 | 38 | 35 | 267 | e220 | 537 | 216 | 744 | 85 | 1,110 | 128 | 506 |
| 6 | 35 | 56 | 33 | 254 | e160 | 660 | 170 | 714 | 73 | 3,300 | 79 | 369 |
| 7 | 28 | 56 | 33 | 244 | e130 | 385 | 169 | 466 | 70 | 809 | 63 | 296 |
| 8 | 28 | 48 | 33 | 245 | e110 | 518 | 163 | 446 | 65 | 384 | 52 | 265 |
| 9 | 24 | 41 | 31 | 426 | e97 | 1,620 | 145 | 359 | 60 | 1,360 | 46 | 217 |
| 10 | 22 | 322 | 31 | 342 | e90 | 653 | 135 | 896 | 54 | 2,960 | 79 | 193 |
| 11 | 21 | 589 | 32 | 235 | e85 | 421 | 128 | 3,140 | 54 | 913 | 85 | 179 |
| 12 | 20 | 254 | 34 | e160 | e80 | 365 | 120 | 1,240 | 118 | 472 | 68 | 160 |
| 13 | 19 | 154 | 35 | e150 | e78 | 605 | 112 | 557 | 140 | 291 | 81 | 147 |
| 14 | 18 | 111 | 37 | e110 | e84 | 843 | 105 | 367 | 1,160 | 210 | 50 | 135 |
| 15 | 18 | 92 | 36 | e90 | 248 | 514 | 101 | 805 | 411 | 197 | 42 | 126 |
| 16 | 18 | 82 | 34 | e80 | e160 | 423 | 106 | 401 | 221 | 225 | 38 | 119 |
| 17 | 17 | 71 | 33 | e74 | e120 | 362 | 153 | 278 | 159 | 146 | 39 | 111 |
| 18 | 17 | 65 | 38 | e69 | e100 | 302 | 149 | 228 | 122 | 183 | 39 | 106 |
| 19 | 29 | 61 | 377 | e65 | e96 | 283 | 116 | 192 | 107 | 157 | 37 | 102 |
| 20 | 37 | 58 | 694 | e62 | 152 | 282 | 111 | 168 | 94 | 114 | 33 | 97 |
| 21 | 27 | 54 | 373 | e60 | 294 | 363 | 124 | 145 | 85 | 322 | 31 | 93 |
| 22 | 22 | 68 | 240 | e58 | 757 | 379 | 110 | 127 | 79 | 569 | 29 | 353 |
| 23 | 20 | 71 | 177 | e56 | 764 | 278 | 97 | 115 | 75 | 275 | 28 | 402 |
| 24 | 19 | 69 | 144 | e54 | 373 | 234 | 88 | 106 | 71 | 181 | 27 | 226 |
| 25 | 52 | 63 | 143 | e52 | 252 | 223 | 175 | 99 | 68 | 127 | 25 | 186 |
| 26 | 102 | 56 | 123 | e54 | 223 | 366 | 279 | 92 | 66 | 101 | 25 | 176 |
| 27 | 61 | 51 | 103 | e52 | 192 | 305 | 174 | 86 | 70 | 86 | 25 | 816 |
| 28 | 42 | 48 | 102 | e52 | 180 | 259 | 136 | 83 | 64 | 101 | 30 | 507 |
| 29 | 65 | 45 | 109 | e54 | --- | 1,200 | 133 | 145 | 59 | 94 | 31 | 302 |
| 30 | 126 | 45 | 227 | e52 | --- | 586 | 116 | 115 | 55 | 76 | 72 | 223 |
| 31 | 79 | --- | 851 | e52 | --- | 381 | --- | 161 | --- | 67 | 90 | --- |
| TOTAL | 1,144 | 2,836 | 4,297 | 5,948 | 5,682 | 14,030 | 4,599 | 12,756 | 4,140 | 15,094 | 1,748 | 27,143 |
| MEAN | 36.9 | 94.5 | 139 | 192 | 203 | 453 | 153 | 411 | 138 | 487 | 56.4 | 905 |
| MAX | 126 | 589 | 851 | 1,210 | 764 | 1,620 | 305 | 3,140 | 1,160 | 3,300 | 206 | 13,200 |
| MIN | 17 | 34 | 31 | 52 | 56 | 165 | 88 | 83 | 54 | 53 | 25 | 93 |
| CFSM | 0.17 | 0.45 | 0.65 | 0.91 | 0.96 | 2.13 | 0.72 | 1.94 | 0.65 | 2.30 | 0.27 | 4.27 |
| IN. | 0.20 | 0.50 | 0.75 | 1.04 | 1.00 | 2.46 | 0.81 | 2.24 | 0.73 | 2.65 | 0.31 | 4.76 |

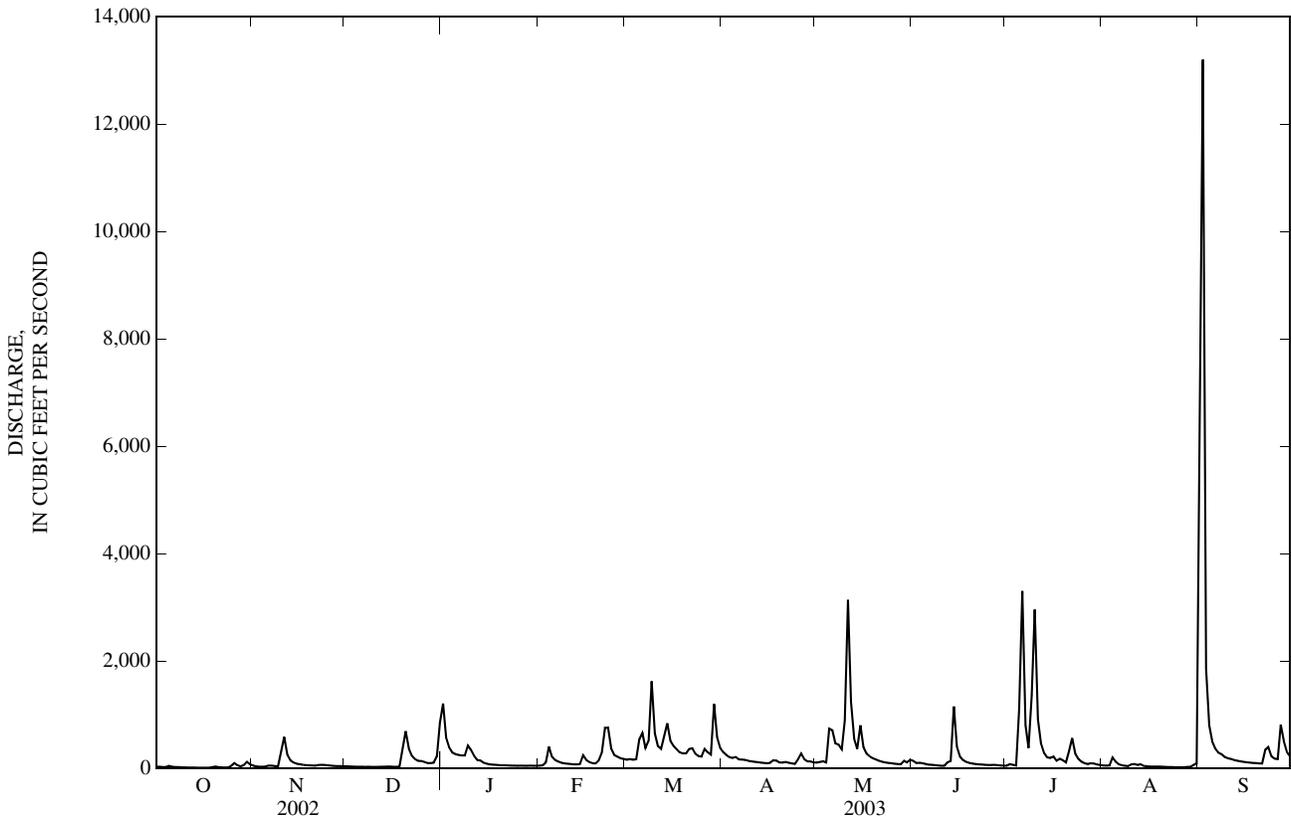
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2003, BY WATER YEAR (WY)

| | 78.7 | 191 | 261 | 257 | 323 | 418 | 371 | 306 | 177 | 148 | 77.4 | 74.4 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 78.7 | 191 | 261 | 257 | 323 | 418 | 371 | 306 | 177 | 148 | 77.4 | 74.4 |
| MAX | 592 | 1,193 | 975 | 845 | 942 | 1,154 | 1,328 | 1,062 | 936 | 764 | 567 | 905 |
| (WY) | (2002) | (1994) | (1991) | (1969) | (1971) | (1963) | (1964) | (1996) | (1998) | (1979) | (1979) | (2003) |
| MIN | 5.47 | 9.86 | 8.83 | 9.60 | 35.7 | 86.8 | 83.1 | 46.3 | 12.9 | 11.7 | 5.10 | 3.51 |
| (WY) | (1998) | (1968) | (1964) | (1977) | (1964) | (2000) | (1971) | (1976) | (1988) | (1966) | (1966) | (1991) |

03353800 WHITE LICK CREEK AT MOOREVILLE, IN—Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | FOR 2003 WATER YEAR | | WATER YEARS 1957 - 2003 | |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL | 98,810.7 | | 99,417 | | | |
| ANNUAL MEAN | 271 | | 272 | | 224 | |
| HIGHEST ANNUAL MEAN | | | | | 372 1974 | |
| LOWEST ANNUAL MEAN | | | | | 51.1 1966 | |
| HIGHEST DAILY MEAN | 7,880 | May 13 | 13,200 | Sep 2 | 13,200 | Sep 2, 2003 |
| LOWEST DAILY MEAN | 8.6 | Sep 13 | 17 | Oct 17 | 0.68 | Aug 27, 1988 |
| ANNUAL SEVEN-DAY MINIMUM | 9.5 | Sep 8 | 18 | Oct 12 | 1.8 | Sep 24, 1988 |
| MAXIMUM PEAK FLOW | | | 19,900 | Sep 2 | 19,900 | Sep 2, 2003 |
| MAXIMUM PEAK STAGE | | | 23.28 | Sep 2 | 23.31 | Jul 13, 1979 |
| ANNUAL RUNOFF (CFSM) | 1.28 | | 1.28 | | 1.06 | |
| ANNUAL RUNOFF (INCHES) | 17.34 | | 17.44 | | 14.34 | |
| 10 PERCENT EXCEEDS | 593 | | 516 | | 473 | |
| 50 PERCENT EXCEEDS | 102 | | 111 | | 90 | |
| 90 PERCENT EXCEEDS | 20 | | 34 | | 13 | |

e Estimated



03354000 WHITE RIVER NEAR CENTERTON, IN

(Former National stream-quality accounting network station)

LOCATION.--Lat 39°29'51", long 86°24'02", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.12 N., R.1 E., Morgan County, Hydrologic Unit 05120201, (MOORESVILLE WEST, IN quadrangle), on right bank at upstream side of bridge on Blue Bluff Road, 0.8 mi downstream from White Lick Creek, 1 mi south of Centerton, and at mile 199.3.

DRAINAGE AREA.--2,444 mi².

PERIOD OF RECORD.--July 1925 to September 1930 (gage heights only), October 1930 to March 1932, October 1946 to current year. Monthly discharge only for October and November 1946, published in WSP 1305. Published as West Fork White River at Martinsville prior to March 1932, and as West Fork White River near Centerton October 1946 to September 1948.

REVISED RECORDS.--WSP 1335: 1948-49. WSP 1909: 1931(M). WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 595.44 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark), levels by Indianapolis Power and Light Co. See WSP 1725 for history of changes prior to July 1953. July 1953 to Aug. 7, 1975, water-stage recorder at site 0.4 mi downstream at same datum.

REMARKS.--Records fair. Flow regulated by upstream reservoirs.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 22.8 ft at Martinsville site (from information by Indiana State Highway Commission) and 21.9 ft at site 0.4 mi downstream (from information by Corps of Engineers), discharge, 90,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|--------|--------|--------|--------|---------|--------|---------|--------|---------|--------|---------|
| 1 | 677 | 708 | 667 | 8,420 | 936 | 1,850 | 4,950 | 1,270 | 1,960 | 850 | 1,580 | 13,600 |
| 2 | 616 | 620 | 644 | 9,180 | 956 | 1,800 | 3,850 | 1,810 | 1,730 | 960 | 1,490 | 49,900 |
| 3 | 579 | 573 | 637 | 6,930 | 1,120 | 1,690 | 3,250 | 1,910 | 1,660 | 905 | 1,500 | 48,700 |
| 4 | 572 | 551 | 643 | 4,820 | 2,060 | 1,630 | 2,890 | 1,980 | 1,620 | 800 | 2,860 | 32,600 |
| 5 | 939 | 563 | 626 | 3,540 | 2,320 | 2,840 | 3,740 | 5,820 | 1,500 | 3,800 | 2,750 | 26,200 |
| 6 | 769 | 729 | 603 | 3,040 | 2,530 | 3,780 | 2,880 | 7,470 | 1,420 | 13,400 | 2,540 | 16,300 |
| 7 | 648 | 708 | 585 | 2,690 | 2,120 | 4,670 | 2,620 | 7,660 | 1,360 | 15,400 | 2,170 | 6,690 |
| 8 | 602 | 652 | 567 | 2,330 | 1,750 | 4,680 | 2,560 | 6,340 | 1,290 | 19,300 | 1,850 | 5,110 |
| 9 | 554 | 600 | 578 | 2,430 | 1,520 | 7,340 | 2,590 | 5,200 | 1,270 | 23,400 | 1,650 | 4,100 |
| 10 | 523 | 1,680 | 579 | 2,930 | 1,380 | 9,280 | 2,420 | 7,330 | 1,180 | 30,900 | 1,680 | 3,460 |
| 11 | 510 | 4,130 | 578 | 3,320 | 1,360 | 9,050 | 2,180 | 18,900 | 1,190 | 34,700 | 2,050 | 3,000 |
| 12 | 494 | 2,370 | 601 | 2,910 | 1,240 | 6,370 | 2,040 | 22,500 | 1,620 | 37,100 | 2,110 | 2,680 |
| 13 | 484 | 1,990 | 608 | 2,120 | 1,110 | 6,600 | 1,930 | 24,300 | 1,890 | 29,700 | 1,870 | 2,400 |
| 14 | 466 | 1,560 | 628 | 1,900 | 1,060 | 9,810 | 1,800 | 18,500 | 4,580 | 16,000 | 1,630 | 2,220 |
| 15 | 470 | 1,290 | 669 | 1,690 | 1,670 | 10,900 | 1,650 | 10,600 | 3,970 | 7,430 | 1,500 | 2,070 |
| 16 | 462 | 1,170 | 660 | 1,470 | 1,500 | 10,100 | 1,530 | 8,640 | 3,170 | 6,540 | 1,550 | 1,910 |
| 17 | 455 | 1,070 | 645 | 1,320 | 1,290 | 7,560 | 1,730 | 6,720 | 2,410 | 5,500 | 1,470 | 1,790 |
| 18 | 456 | 952 | 682 | 1,250 | 1,200 | 6,190 | 2,020 | 5,320 | 1,910 | 4,880 | 1,680 | 1,700 |
| 19 | 491 | 873 | 1,540 | 1,280 | 1,100 | 5,340 | 1,640 | 4,360 | 1,620 | 4,060 | 1,420 | 1,620 |
| 20 | 608 | 837 | 3,640 | 1,320 | 1,260 | 4,890 | 1,580 | 3,710 | 1,440 | 3,290 | 1,240 | 1,520 |
| 21 | 562 | 811 | 3,430 | 1,200 | 1,690 | 5,320 | 1,610 | 3,230 | 1,290 | 4,360 | 1,130 | 1,440 |
| 22 | 539 | 869 | 3,170 | 1,130 | 3,280 | 6,020 | 1,460 | 2,860 | 1,180 | 5,260 | 1,070 | 2,200 |
| 23 | 515 | 878 | 2,300 | 1,050 | 5,300 | 6,060 | 1,380 | 2,530 | 1,080 | 3,660 | 1,020 | 3,070 |
| 24 | 493 | 818 | 1,850 | 953 | 3,910 | 4,910 | 1,290 | 2,300 | 1,020 | 3,050 | 964 | 2,690 |
| 25 | 535 | 852 | 1,680 | 933 | 3,220 | 3,830 | 1,610 | 2,080 | 952 | 2,580 | 932 | 2,630 |
| 26 | 1,160 | 827 | 1,480 | 944 | 2,580 | 4,490 | 2,590 | 1,900 | 914 | 2,270 | 914 | 2,540 |
| 27 | 858 | 761 | 1,320 | 981 | 2,230 | 3,680 | 1,950 | 1,870 | 982 | 2,010 | 926 | 5,970 |
| 28 | 683 | 742 | 1,190 | 972 | 2,000 | 3,470 | 1,590 | 1,700 | 958 | 2,290 | 1,170 | 8,250 |
| 29 | 737 | 701 | 1,150 | 933 | --- | 7,220 | 1,490 | 2,270 | 900 | 2,080 | 1,110 | 9,970 |
| 30 | 1,230 | 694 | 1,490 | 950 | --- | 8,280 | 1,350 | 1,890 | 867 | 1,830 | 1,730 | 7,300 |
| 31 | 889 | --- | 3,370 | 944 | --- | 7,340 | --- | 2,060 | --- | 1,680 | 1,790 | --- |
| TOTAL | 19,576 | 31,579 | 38,810 | 75,880 | 53,692 | 176,990 | 66,170 | 195,030 | 48,933 | 289,985 | 49,346 | 273,630 |
| MEAN | 631 | 1,053 | 1,252 | 2,448 | 1,918 | 5,709 | 2,206 | 6,291 | 1,631 | 9,354 | 1,592 | 9,121 |
| MAX | 1,230 | 4,130 | 3,640 | 9,180 | 5,300 | 10,900 | 4,950 | 24,300 | 4,580 | 37,100 | 2,860 | 49,900 |
| MIN | 455 | 551 | 567 | 933 | 936 | 1,630 | 1,290 | 1,270 | 867 | 800 | 914 | 1,440 |
| CFSM | 0.26 | 0.43 | 0.51 | 1.00 | 0.78 | 2.34 | 0.90 | 2.57 | 0.67 | 3.83 | 0.65 | 3.73 |
| IN. | 0.30 | 0.48 | 0.59 | 1.15 | 0.82 | 2.69 | 1.01 | 2.97 | 0.74 | 4.41 | 0.75 | 4.16 |

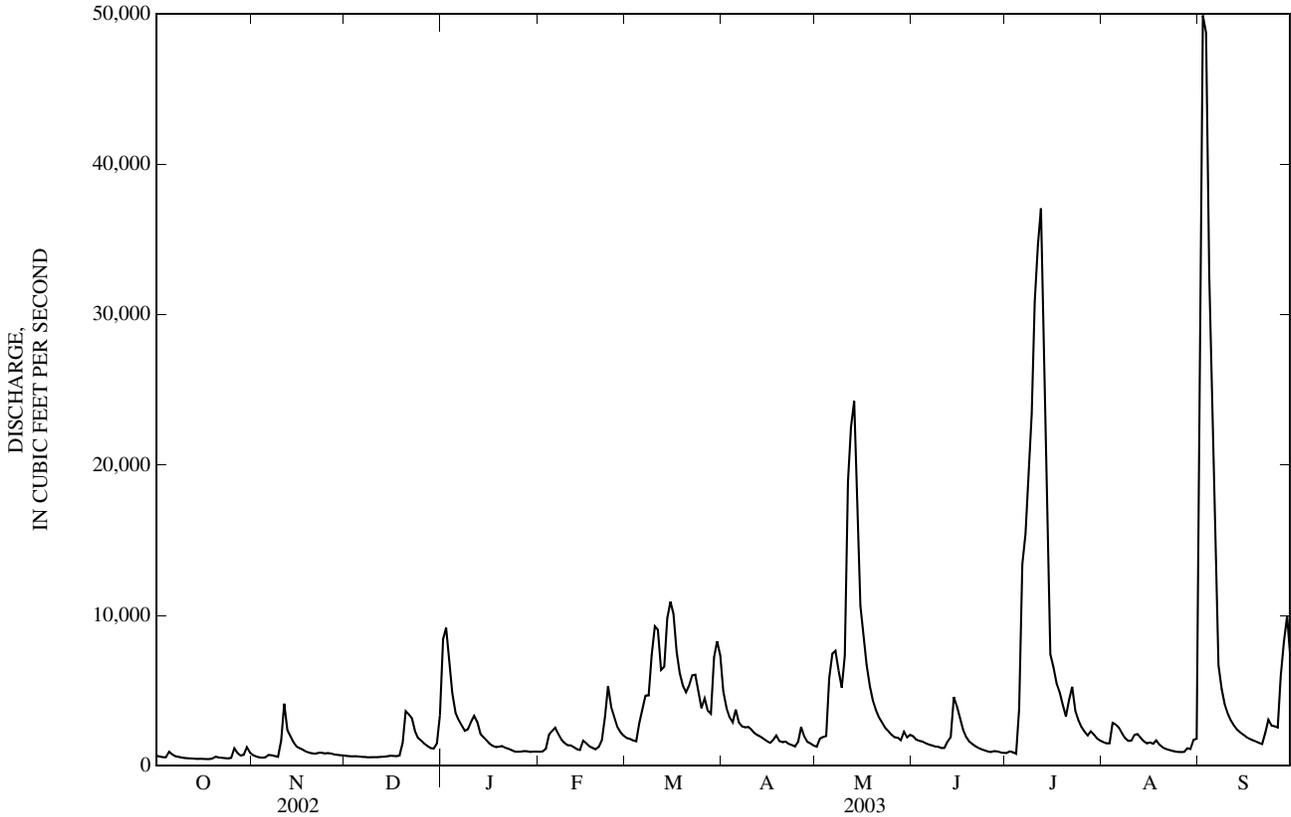
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2003, BY WATER YEAR (WY)

| | 943 | 1,815 | 2,549 | 3,221 | 3,732 | 4,534 | 4,304 | 3,244 | 2,483 | 1,946 | 1,120 | 1,047 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 943 | 1,815 | 2,549 | 3,221 | 3,732 | 4,534 | 4,304 | 3,244 | 2,483 | 1,946 | 1,120 | 1,047 |
| MAX | 6,725 | 11,760 | 8,248 | 17,760 | 10,430 | 10,390 | 11,530 | 11,280 | 10,310 | 9,354 | 6,001 | 9,121 |
| (WY) | (2002) | (1994) | (1958) | (1950) | (1950) | (1963) | (1964) | (1996) | (1998) | (2003) | (1979) | (2003) |
| MIN | 281 | 320 | 305 | 302 | 460 | 1,083 | 1,097 | 799 | 419 | 344 | 338 | 213 |
| (WY) | (1964) | (1954) | (1964) | (1977) | (1964) | (2000) | (1971) | (1976) | (1988) | (1954) | (1966) | (1954) |

WABASH RIVER BASIN

03354000 WHITE RIVER NEAR CENTERTON, IN—Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | FOR 2003 WATER YEAR | | WATER YEARS 1948 - 2003 | |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL | 1,121,144 | | 1,319,621 | | | |
| ANNUAL MEAN | 3,072 | | 3,615 | | 2,571 | |
| HIGHEST ANNUAL MEAN | | | | | 4,115 1950 | |
| LOWEST ANNUAL MEAN | | | | | 812 1954 | |
| HIGHEST DAILY MEAN | 37,800 | May 14 | 49,900 | Sep 2 | 49,900 | Sep 2, 2003 |
| LOWEST DAILY MEAN | 455 | Oct 17 | 455 | Oct 17 | 138 | Sep 27, 1954 |
| ANNUAL SEVEN-DAY MINIMUM | 469 | Oct 13 | 469 | Oct 13 | 157 | Sep 27, 1954 |
| MAXIMUM PEAK FLOW | | | 65,700 | Sep 2 | 65,700 | Sep 2, 2003 |
| MAXIMUM PEAK STAGE | | | 20.04 | Sep 2 | 20.04 | Sep 2, 2003 |
| ANNUAL RUNOFF (CFSM) | 1.26 | | 1.48 | | 1.05 | |
| ANNUAL RUNOFF (INCHES) | 17.06 | | 20.09 | | 14.29 | |
| 10 PERCENT EXCEEDS | 6,830 | | 7,340 | | 5,760 | |
| 50 PERCENT EXCEEDS | 1,400 | | 1,700 | | 1,360 | |
| 90 PERCENT EXCEEDS | 554 | | 633 | | 410 | |



WABASH RIVER BASIN

03354000 WHITE RIVER NEAR CENTERTON, IN—Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--October 1955 to April 1956; October 1966 to September 1967; January 1970 to September 1972; August 1975 to December 1977; June 1978 to December 1978; March 1980 to October 1984; and December 1988 to current year.

REMARKS.--No records.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 33.1°C, Sept. 7, 1977; minimum, -0.6°C, on a few days during 1976, 1977, 1999, and 2001.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: No records.

NO DATA AVAILABLE FOR WATER YEAR 2003