

# **Appendix E**

## **Irrigation and Agriculture Sector**

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Table E.1: Total Agriculture and Irrigation withdrawals (MGD) for the baseline (BL) scenario for each county.

| County    | 2005      | 2005     | 2010   | 2015   | 2020   | 2025   | 2030   | 2035   | 2040   | 2045   | 2050   | 2005 - 2050 |     |
|-----------|-----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|-----|
|           | (Weather) | (Normal) |        |        |        |        |        |        |        |        |        |             | MGD |
| Cass      | 14.42     | 9.44     | 13.98  | 14.77  | 15.55  | 15.61  | 15.66  | 15.71  | 15.76  | 15.80  | 15.84  | 6.40        | 68  |
| Champaign | 4.90      | 3.85     | 5.03   | 5.27   | 5.49   | 5.69   | 5.85   | 5.98   | 6.07   | 6.13   | 6.15   | 2.30        | 60  |
| DeWitt    | 0.95      | 0.74     | 0.79   | 0.83   | 0.86   | 0.89   | 0.91   | 0.93   | 0.94   | 0.94   | 0.94   | 0.20        | 27  |
| Ford      | 0.82      | 0.70     | 0.76   | 0.79   | 0.83   | 0.86   | 0.88   | 0.90   | 0.91   | 0.92   | 0.92   | 0.22        | 31  |
| Iroquois  | 2.62      | 2.52     | 2.73   | 2.85   | 2.96   | 3.06   | 3.14   | 3.20   | 3.23   | 3.25   | 3.25   | 0.73        | 29  |
| Logan     | 2.15      | 1.62     | 1.74   | 1.82   | 1.89   | 1.96   | 2.01   | 2.04   | 2.07   | 2.08   | 2.08   | 0.46        | 28  |
| Macon     | 0.32      | 0.29     | 0.31   | 0.32   | 0.34   | 0.35   | 0.36   | 0.37   | 0.39   | 0.40   | 0.41   | 0.12        | 41  |
| Mason     | 161.95    | 88.60    | 95.44  | 101.01 | 106.58 | 106.87 | 107.15 | 107.43 | 107.70 | 107.98 | 108.26 | 19.66       | 22  |
| McLean    | 2.04      | 1.60     | 1.72   | 1.80   | 1.89   | 1.96   | 2.02   | 2.07   | 2.11   | 2.14   | 2.15   | 0.55        | 34  |
| Menard    | 2.80      | 1.82     | 2.54   | 2.66   | 2.77   | 2.87   | 2.95   | 3.02   | 3.06   | 3.09   | 3.09   | 1.27        | 70  |
| Piatt     | 0.47      | 0.38     | 0.42   | 0.43   | 0.45   | 0.46   | 0.48   | 0.49   | 0.49   | 0.49   | 0.49   | 0.11        | 29  |
| Sangamon  | 1.56      | 1.25     | 1.34   | 1.40   | 1.46   | 1.51   | 1.55   | 1.58   | 1.61   | 1.63   | 1.64   | 0.39        | 31  |
| Tazewell  | 36.08     | 25.01    | 33.85  | 36.09  | 38.32  | 38.47  | 38.61  | 38.75  | 38.89  | 39.02  | 39.14  | 14.13       | 56  |
| Vermilion | 0.59      | 0.52     | 0.56   | 0.59   | 0.62   | 0.64   | 0.66   | 0.68   | 0.70   | 0.71   | 0.72   | 0.20        | 38  |
| Woodford  | 1.47      | 1.09     | 1.17   | 1.22   | 1.27   | 1.31   | 1.34   | 1.36   | 1.38   | 1.39   | 1.39   | 0.30        | 28  |
| Total     | 233.12    | 139.44   | 162.37 | 171.87 | 181.28 | 182.49 | 183.57 | 184.51 | 185.31 | 185.97 | 186.46 | 47.02       | 34  |

2005 (Weather) = model generated results using 2005 weather data

2005 (Normal) = model generated results using normal weather data

MGD = millions of gallons per day

Table E.2: Total Agriculture and Irrigation withdrawals (MGD) for the less resource intensive (LRI) scenario for each county.

| County    | 2005      | 2005     | 2010   | 2015   | 2020   | 2025   | 2030   | 2035   | 2040   | 2045   | 2050   | 2005 - 2050 |    |
|-----------|-----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|----|
|           | (Weather) | (Normal) |        |        |        |        |        |        |        |        |        | MGD         | %  |
| Cass      | 14.42     | 9.44     | 13.31  | 14.06  | 14.80  | 14.86  | 14.91  | 14.96  | 15.00  | 15.04  | 15.07  | 5.63        | 60 |
| Champaign | 4.90      | 3.85     | 4.99   | 5.17   | 5.34   | 5.48   | 5.60   | 5.69   | 5.76   | 5.80   | 5.82   | 1.97        | 51 |
| DeWitt    | 0.95      | 0.74     | 0.78   | 0.81   | 0.83   | 0.86   | 0.87   | 0.89   | 0.89   | 0.90   | 0.90   | 0.16        | 22 |
| Ford      | 0.82      | 0.70     | 0.75   | 0.78   | 0.80   | 0.83   | 0.84   | 0.86   | 0.87   | 0.87   | 0.88   | 0.18        | 26 |
| Iroquois  | 2.62      | 2.52     | 2.68   | 2.78   | 2.86   | 2.94   | 3.00   | 3.04   | 3.07   | 3.09   | 3.08   | 0.56        | 22 |
| Logan     | 2.15      | 1.62     | 1.72   | 1.78   | 1.84   | 1.89   | 1.93   | 1.96   | 1.98   | 1.99   | 1.98   | 0.36        | 22 |
| Macon     | 0.32      | 0.29     | 0.30   | 0.32   | 0.33   | 0.34   | 0.35   | 0.36   | 0.37   | 0.38   | 0.38   | 0.09        | 31 |
| Mason     | 161.95    | 88.60    | 90.67  | 95.97  | 101.26 | 101.53 | 101.79 | 102.06 | 102.32 | 102.58 | 102.84 | 14.24       | 16 |
| McLean    | 2.04      | 1.60     | 1.70   | 1.77   | 1.84   | 1.90   | 1.95   | 2.00   | 2.03   | 2.05   | 2.06   | 0.46        | 29 |
| Menard    | 2.80      | 1.82     | 2.52   | 2.62   | 2.70   | 2.77   | 2.83   | 2.88   | 2.91   | 2.93   | 2.94   | 1.12        | 62 |
| Piatt     | 0.47      | 0.38     | 0.41   | 0.42   | 0.44   | 0.45   | 0.46   | 0.46   | 0.47   | 0.47   | 0.47   | 0.09        | 24 |
| Sangamon  | 1.56      | 1.25     | 1.32   | 1.37   | 1.42   | 1.46   | 1.50   | 1.52   | 1.55   | 1.56   | 1.57   | 0.32        | 26 |
| Tazewell  | 36.08     | 25.01    | 32.19  | 34.31  | 36.43  | 36.57  | 36.70  | 36.83  | 36.95  | 37.07  | 37.19  | 12.18       | 49 |
| Vermilion | 0.59      | 0.52     | 0.55   | 0.58   | 0.60   | 0.62   | 0.64   | 0.66   | 0.67   | 0.68   | 0.68   | 0.16        | 31 |
| Woodford  | 1.47      | 1.09     | 1.16   | 1.20   | 1.24   | 1.27   | 1.30   | 1.32   | 1.34   | 1.34   | 1.34   | 0.25        | 23 |
| Total     | 233.12    | 139.44   | 155.05 | 163.93 | 172.74 | 173.76 | 174.68 | 175.49 | 176.18 | 176.76 | 177.21 | 37.77       | 27 |

2005 (Weather) = model generated results using 2005 weather data

2005 (Normal) = model generated results using normal weather data

MGD = millions of gallons per day

Table E.3: Total Agriculture and Irrigation withdrawals (MGD) for the more resource intensive (MRI) scenario for each county.

| County    | 2005      | 2005     | 2010   | 2015   | 2020   | 2025   | 2030   | 2035   | 2040   | 2045   | 2050   | 2005 - 2050 |     |
|-----------|-----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|-----|
|           | (Weather) | (Normal) |        |        |        |        |        |        |        |        |        |             | MGD |
| Cass      | 14.42     | 9.44     | 14.66  | 15.48  | 16.30  | 16.36  | 16.42  | 16.47  | 16.52  | 16.56  | 16.60  | 7.16        | 76  |
| Champaign | 4.90      | 3.85     | 5.07   | 5.37   | 5.65   | 5.90   | 6.11   | 6.28   | 6.40   | 6.48   | 6.50   | 2.65        | 69  |
| DeWitt    | 0.95      | 0.74     | 0.81   | 0.85   | 0.89   | 0.92   | 0.95   | 0.97   | 0.99   | 0.99   | 0.99   | 0.25        | 34  |
| Ford      | 0.82      | 0.70     | 0.77   | 0.81   | 0.85   | 0.89   | 0.92   | 0.94   | 0.95   | 0.96   | 0.96   | 0.26        | 37  |
| Iroquois  | 2.62      | 2.52     | 2.77   | 2.93   | 3.06   | 3.18   | 3.28   | 3.35   | 3.40   | 3.42   | 3.42   | 0.90        | 36  |
| Logan     | 2.15      | 1.62     | 1.77   | 1.87   | 1.95   | 2.03   | 2.09   | 2.13   | 2.16   | 2.18   | 2.17   | 0.55        | 34  |
| Macon     | 0.32      | 0.29     | 0.31   | 0.33   | 0.34   | 0.36   | 0.38   | 0.39   | 0.41   | 0.42   | 0.43   | 0.14        | 48  |
| Mason     | 161.95    | 88.60    | 100.20 | 106.06 | 111.91 | 112.21 | 112.50 | 112.80 | 113.09 | 113.38 | 113.67 | 25.07       | 28  |
| McLean    | 2.04      | 1.60     | 1.74   | 1.84   | 1.93   | 2.02   | 2.09   | 2.15   | 2.20   | 2.23   | 2.25   | 0.65        | 41  |
| Menard    | 2.80      | 1.82     | 2.56   | 2.71   | 2.85   | 2.97   | 3.08   | 3.16   | 3.22   | 3.25   | 3.26   | 1.44        | 79  |
| Piatt     | 0.47      | 0.38     | 0.42   | 0.44   | 0.47   | 0.48   | 0.50   | 0.51   | 0.52   | 0.52   | 0.52   | 0.14        | 37  |
| Sangamon  | 1.56      | 1.25     | 1.36   | 1.43   | 1.49   | 1.55   | 1.61   | 1.65   | 1.68   | 1.70   | 1.72   | 0.47        | 38  |
| Tazewell  | 36.08     | 25.01    | 35.51  | 37.86  | 40.21  | 40.37  | 40.52  | 40.67  | 40.82  | 40.96  | 41.10  | 16.09       | 64  |
| Vermilion | 0.59      | 0.52     | 0.57   | 0.60   | 0.63   | 0.66   | 0.69   | 0.71   | 0.73   | 0.74   | 0.76   | 0.24        | 46  |
| Woodford  | 1.47      | 1.09     | 1.18   | 1.24   | 1.29   | 1.34   | 1.38   | 1.41   | 1.43   | 1.43   | 1.43   | 0.34        | 31  |
| Total     | 233.12    | 139.44   | 169.69 | 179.82 | 189.85 | 191.25 | 192.50 | 193.59 | 194.51 | 195.24 | 195.77 | 56.33       | 40  |

2005 (Weather) = model generated results using 2005 weather data

2005 (Normal) = model generated results using normal weather data

MGD = millions of gallons per day

Table E.4: Irrigated cropland acreage for the baseline (BL) scenario for each county.

| County    | 2005    | 2010    | 2015    | 2020    | 2025    | 2030    | 2035    | 2040    | 2045    | 2050    | 2005 - 2050 |    |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|----|
|           |         |         |         |         |         |         |         |         |         |         | Acres       | %  |
| Cass      | 12,250  | 18,397  | 19,436  | 20,474  | 20,524  | 20,574  | 20,624  | 20,674  | 20,724  | 20,774  | 8,524       | 70 |
| Champaign | 5,049   | 6,750   | 7,075   | 7,368   | 7,623   | 7,835   | 8,002   | 8,118   | 8,183   | 8,194   | 3,145       | 62 |
| DeWitt    | 840     | 913     | 954     | 991     | 1,021   | 1,047   | 1,065   | 1,077   | 1,082   | 1,080   | 240         | 29 |
| Ford      | 688     | 748     | 781     | 811     | 836     | 857     | 872     | 882     | 886     | 885     | 197         | 29 |
| Iroquois  | 2,627   | 2,856   | 2,984   | 3,097   | 3,194   | 3,272   | 3,331   | 3,368   | 3,384   | 3,378   | 751         | 29 |
| Logan     | 1,591   | 1,730   | 1,807   | 1,876   | 1,934   | 1,982   | 2,017   | 2,040   | 2,049   | 2,046   | 455         | 29 |
| Macon     | 15      | 16      | 17      | 18      | 18      | 19      | 19      | 19      | 19      | 19      | 4           | 29 |
| Mason     | 91,811  | 130,530 | 138,146 | 145,761 | 146,128 | 146,494 | 146,861 | 147,228 | 147,594 | 147,961 | 26,775      | 61 |
| McLean    | 920     | 1,000   | 1,045   | 1,085   | 1,119   | 1,146   | 1,166   | 1,180   | 1,185   | 1,183   | 263         | 29 |
| Menard    | 2,098   | 3,026   | 3,172   | 3,303   | 3,418   | 3,513   | 3,587   | 3,640   | 3,669   | 3,674   | 1,576       | 75 |
| Piatt     | 451     | 490     | 512     | 532     | 548     | 562     | 572     | 578     | 581     | 580     | 129         | 29 |
| Sangamon  | 781     | 849     | 887     | 921     | 950     | 973     | 990     | 1,001   | 1,006   | 1,004   | 223         | 29 |
| Tazewell  | 30,748  | 41,869  | 44,638  | 47,407  | 47,540  | 47,674  | 47,807  | 47,940  | 48,074  | 48,207  | 17,459      | 57 |
| Vermilion | 273     | 297     | 310     | 322     | 332     | 340     | 346     | 350     | 352     | 351     | 78          | 29 |
| Woodford  | 738     | 802     | 838     | 870     | 897     | 919     | 936     | 946     | 951     | 949     | 211         | 29 |
| Total     | 150,880 | 210,274 | 222,602 | 234,834 | 236,082 | 237,207 | 238,196 | 239,042 | 239,739 | 240,284 | 60,029      | 59 |

Table E.5: Irrigated cropland acreage for the less resource intensive (LRI) scenario for each county.

| County    | 2005    | 2010    | 2015    | 2020    | 2025    | 2030    | 2035    | 2040    | 2045    | 2050    | 2005 - 2050 |    |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|----|
|           |         |         |         |         |         |         |         |         |         |         | Acres       | %  |
| Cass      | 12,250  | 17,477  | 18,464  | 19,450  | 19,498  | 19,545  | 19,593  | 19,640  | 19,688  | 19,735  | 7,485       | 61 |
| Champaign | 5,049   | 6,698   | 6,939   | 7,153   | 7,338   | 7,491   | 7,610   | 7,693   | 7,738   | 7,746   | 2,697       | 53 |
| DeWitt    | 840     | 895     | 925     | 951     | 973     | 991     | 1,004   | 1,013   | 1,016   | 1,015   | 175         | 21 |
| Ford      | 688     | 733     | 757     | 779     | 797     | 811     | 822     | 829     | 832     | 831     | 143         | 21 |
| Iroquois  | 2,627   | 2,797   | 2,891   | 2,973   | 3,042   | 3,098   | 3,139   | 3,166   | 3,177   | 3,172   | 545         | 21 |
| Logan     | 1,591   | 1,694   | 1,751   | 1,800   | 1,842   | 1,876   | 1,901   | 1,917   | 1,924   | 1,921   | 330         | 21 |
| Macon     | 15      | 16      | 17      | 17      | 17      | 18      | 18      | 18      | 18      | 18      | 3           | 20 |
| Mason     | 91,811  | 124,004 | 131,238 | 138,473 | 138,821 | 139,170 | 139,518 | 139,866 | 140,215 | 140,563 | 48,752      | 53 |
| McLean    | 920     | 980     | 1,012   | 1,041   | 1,065   | 1,085   | 1,099   | 1,109   | 1,113   | 1,111   | 191         | 21 |
| Menard    | 2,098   | 3,003   | 3,111   | 3,207   | 3,290   | 3,358   | 3,412   | 3,449   | 3,469   | 3,473   | 1,375       | 66 |
| Piatt     | 451     | 480     | 496     | 510     | 522     | 532     | 539     | 544     | 545     | 545     | 94          | 21 |
| Sangamon  | 781     | 832     | 859     | 884     | 904     | 921     | 933     | 941     | 944     | 943     | 162         | 21 |
| Tazewell  | 30,748  | 39,775  | 42,406  | 45,037  | 45,163  | 45,290  | 45,417  | 45,543  | 45,670  | 45,797  | 15,049      | 49 |
| Vermilion | 273     | 291     | 300     | 309     | 316     | 322     | 326     | 329     | 330     | 330     | 57          | 21 |
| Woodford  | 738     | 786     | 812     | 835     | 855     | 870     | 882     | 889     | 892     | 891     | 153         | 21 |
| Total     | 150,880 | 200,459 | 211,977 | 223,418 | 224,444 | 225,378 | 226,214 | 226,946 | 227,572 | 228,091 | 77,211      | 51 |

Table E.6: Irrigated cropland acreage for the more resource intensive (MRI) scenario for each county.

| County    | 2005    | 2010    | 2015    | 2020    | 2025    | 2030    | 2035    | 2040    | 2045    | 2050    | 2005 - 2050<br>Acres | 2005 - 2050<br>% |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------------|------------------|
| Cass      | 12,250  | 19,317  | 20,407  | 21,498  | 21,550  | 21,603  | 21,655  | 21,708  | 21,760  | 21,813  | 9,563                | 78               |
| Champaign | 5,049   | 6,803   | 7,214   | 7,589   | 7,918   | 8,195   | 8,413   | 8,566   | 8,652   | 8,667   | 3,618                | 72               |
| DeWitt    | 840     | 933     | 985     | 1,032   | 1,072   | 1,105   | 1,130   | 1,146   | 1,153   | 1,150   | 310                  | 37               |
| Ford      | 688     | 764     | 807     | 845     | 878     | 905     | 925     | 938     | 944     | 942     | 254                  | 37               |
| Iroquois  | 2,627   | 2,916   | 3,080   | 3,226   | 3,353   | 3,456   | 3,533   | 3,583   | 3,604   | 3,596   | 969                  | 37               |
| Logan     | 1,591   | 1,766   | 1,865   | 1,954   | 2,031   | 2,093   | 2,140   | 2,170   | 2,183   | 2,178   | 587                  | 37               |
| Macon     | 15      | 17      | 18      | 18      | 19      | 20      | 20      | 20      | 21      | 21      | 6                    | 40               |
| Mason     | 91,811  | 137,057 | 145,053 | 153,049 | 153,434 | 153,819 | 154,204 | 154,589 | 154,974 | 155,359 | 63,548               | 69               |
| McLean    | 920     | 1,021   | 1,079   | 1,130   | 1,174   | 1,210   | 1,237   | 1,255   | 1,262   | 1,259   | 339                  | 37               |
| Menard    | 2,098   | 3,050   | 3,234   | 3,402   | 3,550   | 3,674   | 3,772   | 3,841   | 3,879   | 3,886   | 1,788                | 85               |
| Piatt     | 451     | 501     | 529     | 554     | 576     | 593     | 607     | 615     | 619     | 617     | 166                  | 37               |
| Sangamon  | 781     | 867     | 916     | 959     | 997     | 1,027   | 1,050   | 1,065   | 1,072   | 1,069   | 288                  | 37               |
| Tazewell  | 30,748  | 43,962  | 46,870  | 49,777  | 49,917  | 50,057  | 50,197  | 50,337  | 50,477  | 50,617  | 19,869               | 65               |
| Vermilion | 273     | 303     | 320     | 335     | 348     | 359     | 367     | 372     | 375     | 374     | 101                  | 37               |
| Woodford  | 738     | 819     | 865     | 906     | 942     | 971     | 993     | 1,007   | 1,013   | 1,010   | 272                  | 37               |
| Total     | 150,880 | 220,094 | 233,241 | 246,276 | 247,760 | 249,089 | 250,245 | 251,214 | 251,986 | 252,558 | 101,678              | 67               |



Table E.7: Total cropland withdrawals (MGD) for the baseline (BL) scenario for each county.

| County    | 2005      | 2005     | 2010   | 2015   | 2020   | 2025   | 2030   | 2035   | 2040   | 2045   | 2050   | 2005 - 2050 |    |
|-----------|-----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|----|
|           | (Weather) | (Normal) |        |        |        |        |        |        |        |        |        | MGD         | %  |
| Cass      | 13.95     | 8.99     | 13.49  | 14.26  | 15.02  | 15.06  | 15.09  | 15.13  | 15.17  | 15.20  | 15.24  | 6.25        | 70 |
| Champaign | 4.42      | 3.44     | 4.61   | 4.83   | 5.03   | 5.20   | 5.35   | 5.46   | 5.54   | 5.58   | 5.59   | 2.15        | 62 |
| DeWitt    | 0.78      | 0.58     | 0.63   | 0.65   | 0.68   | 0.70   | 0.72   | 0.73   | 0.74   | 0.74   | 0.74   | 0.16        | 29 |
| Ford      | 0.60      | 0.48     | 0.53   | 0.55   | 0.57   | 0.59   | 0.60   | 0.61   | 0.62   | 0.62   | 0.62   | 0.14        | 29 |
| Iroquois  | 2.16      | 2.06     | 2.24   | 2.34   | 2.43   | 2.51   | 2.57   | 2.61   | 2.64   | 2.66   | 2.65   | 0.59        | 29 |
| Logan     | 1.69      | 1.17     | 1.28   | 1.33   | 1.38   | 1.43   | 1.46   | 1.49   | 1.51   | 1.51   | 1.51   | 0.34        | 29 |
| Macon     | 0.01      | 0.01     | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.003       | 29 |
| Mason     | 161.77    | 88.44    | 95.26  | 100.82 | 106.38 | 106.65 | 106.91 | 107.18 | 107.45 | 107.72 | 107.98 | 19.54       | 22 |
| McLean    | 1.02      | 0.71     | 0.77   | 0.80   | 0.83   | 0.86   | 0.88   | 0.90   | 0.91   | 0.91   | 0.91   | 0.20        | 29 |
| Menard    | 2.53      | 1.58     | 2.29   | 2.40   | 2.49   | 2.58   | 2.65   | 2.71   | 2.75   | 2.77   | 2.77   | 1.19        | 75 |
| Piatt     | 0.39      | 0.31     | 0.33   | 0.35   | 0.36   | 0.37   | 0.38   | 0.39   | 0.39   | 0.39   | 0.39   | 0.08        | 29 |
| Sangamon  | 0.79      | 0.59     | 0.64   | 0.67   | 0.70   | 0.72   | 0.73   | 0.75   | 0.76   | 0.76   | 0.76   | 0.17        | 29 |
| Tazewell  | 35.29     | 24.32    | 33.11  | 35.30  | 37.49  | 37.60  | 37.70  | 37.81  | 37.91  | 38.02  | 38.12  | 13.80       | 57 |
| Vermilion | 0.22      | 0.19     | 0.20   | 0.21   | 0.22   | 0.23   | 0.23   | 0.24   | 0.24   | 0.24   | 0.24   | 0.05        | 29 |
| Woodford  | 0.88      | 0.56     | 0.61   | 0.64   | 0.66   | 0.68   | 0.70   | 0.71   | 0.72   | 0.72   | 0.72   | 0.16        | 29 |
| Total     | 226.51    | 133.43   | 155.99 | 165.16 | 174.26 | 175.17 | 176.00 | 176.72 | 177.35 | 177.86 | 178.27 | 44.84       | 34 |

2005 (Weather) = model generated results using 2005 weather data

2005 (Normal) = model generated results using normal weather data

MGD = millions of gallons per day

Table E.8: Total cropland withdrawals (MGD) for the less resource intensive (LRI) scenario for each county.

| County    | 2005      | 2005     | 2010   | 2015   | 2020   | 2025   | 2030   | 2035   | 2040   | 2045   | 2050   | 2005 - 2050 |     |
|-----------|-----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|-----|
|           | (Weather) | (Normal) |        |        |        |        |        |        |        |        |        |             | MGD |
| Cass      | 13.95     | 8.99     | 12.82  | 13.54  | 14.27  | 14.30  | 14.34  | 14.37  | 14.41  | 14.44  | 14.48  | 5.5         | 61  |
| Champaign | 4.42      | 3.44     | 4.57   | 4.73   | 4.88   | 5.01   | 5.11   | 5.19   | 5.25   | 5.28   | 5.28   | 1.8         | 53  |
| DeWitt    | 0.78      | 0.58     | 0.61   | 0.63   | 0.65   | 0.67   | 0.68   | 0.69   | 0.69   | 0.70   | 0.70   | 0.1         | 21  |
| Ford      | 0.60      | 0.48     | 0.52   | 0.53   | 0.55   | 0.56   | 0.57   | 0.58   | 0.58   | 0.58   | 0.58   | 0.1         | 21  |
| Iroquois  | 2.16      | 2.06     | 2.20   | 2.27   | 2.33   | 2.39   | 2.43   | 2.46   | 2.48   | 2.49   | 2.49   | 0.4         | 21  |
| Logan     | 1.69      | 1.17     | 1.25   | 1.29   | 1.33   | 1.36   | 1.38   | 1.40   | 1.41   | 1.42   | 1.42   | 0.2         | 21  |
| Macon     | 0.01      | 0.01     | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.0         | 21  |
| Mason     | 161.77    | 88.44    | 90.50  | 95.78  | 101.06 | 101.31 | 101.57 | 101.82 | 102.08 | 102.33 | 102.59 | 14.1        | 16  |
| McLean    | 1.02      | 0.71     | 0.75   | 0.78   | 0.80   | 0.82   | 0.83   | 0.85   | 0.85   | 0.86   | 0.85   | 0.1         | 21  |
| Menard    | 2.53      | 1.58     | 2.27   | 2.35   | 2.42   | 2.48   | 2.54   | 2.58   | 2.60   | 2.62   | 2.62   | 1.0         | 66  |
| Piatt     | 0.39      | 0.31     | 0.33   | 0.34   | 0.35   | 0.35   | 0.36   | 0.36   | 0.37   | 0.37   | 0.37   | 0.1         | 21  |
| Sangamon  | 0.79      | 0.59     | 0.63   | 0.65   | 0.67   | 0.68   | 0.70   | 0.70   | 0.71   | 0.71   | 0.71   | 0.1         | 21  |
| Tazewell  | 35.29     | 24.32    | 31.45  | 33.54  | 35.62  | 35.72  | 35.82  | 35.92  | 36.02  | 36.12  | 36.22  | 11.9        | 49  |
| Vermilion | 0.22      | 0.19     | 0.20   | 0.20   | 0.21   | 0.22   | 0.22   | 0.22   | 0.22   | 0.23   | 0.22   | 0.0         | 21  |
| Woodford  | 0.88      | 0.56     | 0.60   | 0.62   | 0.63   | 0.65   | 0.66   | 0.67   | 0.67   | 0.68   | 0.68   | 0.1         | 21  |
| Total     | 226.51    | 133.43   | 148.70 | 157.27 | 165.78 | 166.53 | 167.22 | 167.83 | 168.37 | 168.84 | 169.22 | 35.8        | 27  |

2005 (Weather) = model generated results using 2005 weather data

2005 (Normal) = model generated results using normal weather data

MGD = millions of gallons per day

Table E.9: Total cropland withdrawals (MGD) for the more resource intensive (MRI) scenario for each county.

| County    | 2005      | 2005     | 2010   | 2015   | 2020   | 2025   | 2030   | 2035   | 2040   | 2045   | 2050   | 2005 - 2050 |     |
|-----------|-----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|-----|
|           | (Weather) | (Normal) |        |        |        |        |        |        |        |        |        |             | MGD |
| Cass      | 13.95     | 8.99     | 14.17  | 14.97  | 15.77  | 15.81  | 15.85  | 15.88  | 15.92  | 15.96  | 16.00  | 7.01        | 78  |
| Champaign | 4.42      | 3.44     | 4.64   | 4.92   | 5.18   | 5.40   | 5.59   | 5.74   | 5.84   | 5.90   | 5.91   | 2.47        | 72  |
| DeWitt    | 0.78      | 0.58     | 0.64   | 0.67   | 0.71   | 0.73   | 0.76   | 0.77   | 0.79   | 0.79   | 0.79   | 0.21        | 37  |
| Ford      | 0.60      | 0.48     | 0.54   | 0.57   | 0.59   | 0.62   | 0.64   | 0.65   | 0.66   | 0.66   | 0.66   | 0.18        | 37  |
| Iroquois  | 2.16      | 2.06     | 2.29   | 2.42   | 2.53   | 2.63   | 2.71   | 2.77   | 2.81   | 2.83   | 2.82   | 0.76        | 37  |
| Logan     | 1.69      | 1.17     | 1.30   | 1.38   | 1.44   | 1.50   | 1.54   | 1.58   | 1.60   | 1.61   | 1.61   | 0.43        | 37  |
| Macon     | 0.01      | 0.01     | 0.01   | 0.01   | 0.01   | 0.01   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.004       | 37  |
| Mason     | 161.77    | 88.44    | 100.03 | 105.86 | 111.70 | 111.98 | 112.26 | 112.54 | 112.82 | 113.10 | 113.38 | 24.94       | 28  |
| McLean    | 1.02      | 0.71     | 0.79   | 0.83   | 0.87   | 0.90   | 0.93   | 0.95   | 0.97   | 0.97   | 0.97   | 0.26        | 37  |
| Menard    | 2.53      | 1.58     | 2.30   | 2.44   | 2.57   | 2.68   | 2.77   | 2.85   | 2.90   | 2.93   | 2.93   | 1.35        | 85  |
| Piatt     | 0.39      | 0.31     | 0.34   | 0.36   | 0.37   | 0.39   | 0.40   | 0.41   | 0.42   | 0.42   | 0.42   | 0.11        | 37  |
| Sangamon  | 0.79      | 0.59     | 0.65   | 0.69   | 0.72   | 0.75   | 0.78   | 0.79   | 0.80   | 0.81   | 0.81   | 0.22        | 37  |
| Tazewell  | 35.29     | 24.32    | 34.77  | 37.07  | 39.36  | 39.48  | 39.59  | 39.70  | 39.81  | 39.92  | 40.03  | 15.71       | 65  |
| Vermilion | 0.22      | 0.19     | 0.21   | 0.22   | 0.23   | 0.24   | 0.25   | 0.25   | 0.25   | 0.26   | 0.25   | 0.07        | 37  |
| Woodford  | 0.88      | 0.56     | 0.62   | 0.66   | 0.69   | 0.71   | 0.74   | 0.75   | 0.76   | 0.77   | 0.77   | 0.21        | 37  |
| Total     | 226.51    | 133.43   | 163.29 | 173.06 | 182.75 | 183.84 | 184.81 | 185.66 | 186.38 | 186.95 | 187.37 | 53.94       | 40  |

2005 (Weather) = model generated results using 2005 weather data

2005 (Normal) = model generated results using normal weather data

MGD = millions of gallons per day

Table E.10: Golf course acreage for baseline (BL) scenario for each county.

| County    | 2005  | 2010  | 2015  | 2020  | 2025  | 2030  | 2035  | 2040  | 2045  | 2050  | 2005 - 2050 |     |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-----|
|           |       |       |       |       |       |       |       |       |       |       | Acres       | %   |
| Cass      | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 0           | 0   |
| Champaign | 367   | 385   | 404   | 422   | 441   | 459   | 478   | 496   | 514   | 533   | 166         | 45  |
| DeWitt    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 0           | 0   |
| Ford      | 40    | 43    | 46    | 48    | 51    | 53    | 56    | 59    | 61    | 64    | 24          | 60  |
| Iroquois  | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 0           | 0   |
| Logan     | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 0           | 0   |
| Macon     | 267   | 280   | 294   | 307   | 320   | 333   | 346   | 359   | 372   | 386   | 119         | 45  |
| Mason     | 37    | 48    | 58    | 69    | 79    | 90    | 100   | 111   | 121   | 132   | 95          | 257 |
| McLean    | 369   | 390   | 411   | 432   | 453   | 474   | 495   | 516   | 537   | 558   | 189         | 51  |
| Menard    | 59    | 61    | 64    | 66    | 68    | 71    | 73    | 75    | 78    | 80    | 21          | 36  |
| Piatt     | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 0           | 0   |
| Sangamon  | 403   | 419   | 435   | 450   | 466   | 482   | 498   | 514   | 529   | 545   | 142         | 35  |
| Tazewell  | 326   | 352   | 378   | 405   | 431   | 457   | 484   | 510   | 536   | 563   | 237         | 73  |
| Vermilion | 220   | 233   | 246   | 260   | 273   | 286   | 299   | 312   | 325   | 339   | 119         | 54  |
| Woodford  | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 0           | 0   |
| Totals    | 2,439 | 2,562 | 2,686 | 2,809 | 2,933 | 3,056 | 3,180 | 3,303 | 3,426 | 3,550 | 1,111       | 46  |

Table E.11: Golf course acreage for less resource intensive (LRI) scenario for each county.

| County    | 2005  | 2010  | 2015  | 2020  | 2025  | 2030  | 2035  | 2040  | 2045  | 2050  | 2005 - 2050 |     |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-----|
|           |       |       |       |       |       |       |       |       |       |       | Acres       | %   |
| Cass      | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 0           | 0   |
| Champaign | 367   | 381   | 395   | 408   | 422   | 436   | 450   | 464   | 478   | 491   | 124         | 34  |
| DeWitt    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 0           | 0   |
| Ford      | 40    | 42    | 44    | 46    | 48    | 50    | 52    | 54    | 56    | 58    | 18          | 45  |
| Iroquois  | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 0           | 0   |
| Logan     | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 0           | 0   |
| Macon     | 267   | 277   | 287   | 297   | 307   | 317   | 326   | 336   | 346   | 356   | 89          | 33  |
| Mason     | 37    | 45    | 53    | 61    | 69    | 77    | 85    | 92    | 100   | 108   | 71          | 192 |
| McLean    | 369   | 385   | 400   | 416   | 432   | 448   | 464   | 479   | 495   | 511   | 142         | 38  |
| Menard    | 59    | 61    | 63    | 65    | 67    | 69    | 71    | 73    | 75    | 77    | 18          | 31  |
| Piatt     | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 0           | 0   |
| Sangamon  | 403   | 415   | 427   | 439   | 450   | 462   | 474   | 486   | 498   | 510   | 107         | 27  |
| Tazewell  | 326   | 345   | 365   | 385   | 405   | 424   | 444   | 464   | 484   | 503   | 177         | 54  |
| Vermilion | 220   | 230   | 240   | 250   | 260   | 269   | 279   | 289   | 299   | 309   | 89          | 40  |
| Woodford  | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 0           | 0   |
| Totals    | 2,439 | 2,532 | 2,625 | 2,717 | 2,810 | 2,903 | 2,996 | 3,088 | 3,181 | 3,274 | 835         | 34  |

Table E.12: Golf course acreage for more resource intensive (MRI) scenario for each county.

| County    | 2005  | 2010  | 2015  | 2020  | 2025  | 2030  | 2035  | 2040  | 2045  | 2050  | 2005 - 2050 |     |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-----|
|           |       |       |       |       |       |       |       |       |       |       | Acres       | %   |
| Cass      | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 0           | 0   |
| Champaign | 367   | 390   | 413   | 436   | 459   | 482   | 505   | 528   | 551   | 574   | 207         | 56  |
| DeWitt    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 0           | 0   |
| Ford      | 40    | 44    | 47    | 50    | 53    | 57    | 60    | 63    | 67    | 70    | 30          | 75  |
| Iroquois  | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 77    | 0           | 0   |
| Logan     | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 59    | 0           | 0   |
| Macon     | 267   | 284   | 300   | 317   | 333   | 349   | 366   | 382   | 399   | 415   | 148         | 55  |
| Mason     | 37    | 50    | 64    | 77    | 90    | 103   | 116   | 129   | 142   | 156   | 119         | 322 |
| McLean    | 369   | 395   | 421   | 448   | 474   | 500   | 527   | 553   | 579   | 606   | 237         | 64  |
| Menard    | 59    | 62    | 65    | 69    | 72    | 75    | 79    | 82    | 85    | 88    | 29          | 49  |
| Piatt     | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 0           | 0   |
| Sangamon  | 403   | 423   | 443   | 462   | 482   | 502   | 522   | 541   | 561   | 581   | 178         | 44  |
| Tazewell  | 326   | 359   | 392   | 424   | 457   | 490   | 523   | 556   | 589   | 622   | 296         | 91  |
| Vermilion | 220   | 237   | 253   | 269   | 286   | 302   | 319   | 335   | 352   | 368   | 148         | 67  |
| Woodford  | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 139   | 0           | 0   |
| Totals    | 2,439 | 2,594 | 2,748 | 2,903 | 3,057 | 3,212 | 3,367 | 3,521 | 3,676 | 3,831 | 1,392       | 57  |

Table E.13: Golf course water use (MGD) per day for baseline (BL) scenario for each county.

| County    | 2005    | 2005   | 2010 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 | 2005 - 2050 |     |
|-----------|---------|--------|------|------|------|------|------|------|------|------|------|-------------|-----|
|           | Weather | Normal |      |      |      |      |      |      |      |      |      | MGD         | %   |
| Cass      | 0.02    | 0.01   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00        | 0   |
| Champaign | 0.32    | 0.25   | 0.26 | 0.28 | 0.29 | 0.30 | 0.31 | 0.33 | 0.34 | 0.35 | 0.36 | 0.11        | 44  |
| DeWitt    | 0.03    | 0.03   | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.00        | 0   |
| Ford      | 0.04    | 0.03   | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.01        | 33  |
| Iroquois  | 0.06    | 0.06   | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.00        | 0   |
| Logan     | 0.06    | 0.04   | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.00        | 0   |
| Macon     | 0.23    | 0.21   | 0.22 | 0.23 | 0.24 | 0.25 | 0.26 | 0.27 | 0.28 | 0.29 | 0.30 | 0.09        | 43  |
| Mason     | 0.04    | 0.03   | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.07 | 0.08 | 0.09 | 0.10 | 0.07        | 233 |
| McLean    | 0.41    | 0.28   | 0.30 | 0.32 | 0.33 | 0.35 | 0.36 | 0.38 | 0.40 | 0.41 | 0.43 | 0.15        | 54  |
| Menard    | 0.07    | 0.04   | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | 0.02        | 50  |
| Piatt     | 0.02    | 0.01   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00        | 0   |
| Sangamon  | 0.41    | 0.30   | 0.32 | 0.33 | 0.34 | 0.35 | 0.36 | 0.38 | 0.39 | 0.40 | 0.41 | 0.11        | 37  |
| Tazewell  | 0.35    | 0.26   | 0.28 | 0.30 | 0.32 | 0.34 | 0.36 | 0.38 | 0.40 | 0.42 | 0.44 | 0.18        | 69  |
| Vermilion | 0.18    | 0.15   | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 | 0.20 | 0.21 | 0.22 | 0.23 | 0.08        | 53  |
| Woodford  | 0.17    | 0.11   | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.00        | 0   |
| Totals    | 2.42    | 1.81   | 1.91 | 2.00 | 2.09 | 2.18 | 2.27 | 2.37 | 2.46 | 2.55 | 2.64 | 0.83        | 46  |

Weather = model generated results using 2005 weather data

Normal = model generated results using normal weather data

MGD = millions of gallons per day

Table E.14: Golf course water use (MGD) for less resource intensive (LRI) scenario for each county.

| County    | 2005    | 2005   | 2010 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 | 2005 - 2050 |     |
|-----------|---------|--------|------|------|------|------|------|------|------|------|------|-------------|-----|
|           | Weather | Normal |      |      |      |      |      |      |      |      |      | MGD         | %   |
| Cass      | 0.02    | 0.01   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00        | 0   |
| Champaign | 0.32    | 0.25   | 0.26 | 0.27 | 0.28 | 0.29 | 0.30 | 0.31 | 0.32 | 0.33 | 0.34 | 0.09        | 36  |
| DeWitt    | 0.03    | 0.03   | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.00        | 0   |
| Ford      | 0.04    | 0.03   | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.01        | 33  |
| Iroquois  | 0.06    | 0.06   | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.00        | 0   |
| Logan     | 0.06    | 0.04   | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.00        | 0   |
| Macon     | 0.23    | 0.21   | 0.21 | 0.22 | 0.23 | 0.24 | 0.24 | 0.25 | 0.26 | 0.27 | 0.27 | 0.06        | 29  |
| Mason     | 0.04    | 0.03   | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.08 | 0.05        | 167 |
| McLean    | 0.41    | 0.28   | 0.30 | 0.31 | 0.32 | 0.33 | 0.34 | 0.36 | 0.37 | 0.38 | 0.39 | 0.11        | 39  |
| Menard    | 0.07    | 0.04   | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 | 0.02        | 50  |
| Piatt     | 0.02    | 0.01   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00        | 0   |
| Sangamon  | 0.41    | 0.30   | 0.31 | 0.32 | 0.33 | 0.34 | 0.35 | 0.36 | 0.37 | 0.38 | 0.38 | 0.08        | 27  |
| Tazewell  | 0.35    | 0.26   | 0.27 | 0.29 | 0.30 | 0.32 | 0.34 | 0.35 | 0.37 | 0.38 | 0.40 | 0.14        | 54  |
| Vermilion | 0.18    | 0.15   | 0.16 | 0.16 | 0.17 | 0.18 | 0.18 | 0.19 | 0.20 | 0.20 | 0.21 | 0.06        | 40  |
| Woodford  | 0.17    | 0.11   | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.00        | 0   |
| Totals    | 2.42    | 1.81   | 1.88 | 1.95 | 2.02 | 2.09 | 2.16 | 2.23 | 2.30 | 2.37 | 2.44 | 0.63        | 35  |

Weather = model generated results using 2005 weather data

Normal = model generated results using normal weather data

MGD = millions of gallons per day



Table E.15: Golf course water use (MGD) for more resource intensive (MRI) scenario for each county.

| County    | 2005    | 2005   | 2010 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 | 2005 - 2050 |     |
|-----------|---------|--------|------|------|------|------|------|------|------|------|------|-------------|-----|
|           | Weather | Normal |      |      |      |      |      |      |      |      |      | MGD         | %   |
| Cass      | 0.02    | 0.01   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00        | 0   |
| Champaign | 0.32    | 0.25   | 0.27 | 0.28 | 0.30 | 0.31 | 0.33 | 0.34 | 0.36 | 0.38 | 0.39 | 0.14        | 56  |
| DeWitt    | 0.03    | 0.03   | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.00        | 0   |
| Ford      | 0.04    | 0.03   | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.02        | 67  |
| Iroquois  | 0.06    | 0.06   | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.00        | 0   |
| Logan     | 0.06    | 0.04   | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.00        | 0   |
| Macon     | 0.23    | 0.21   | 0.22 | 0.23 | 0.24 | 0.26 | 0.27 | 0.28 | 0.29 | 0.31 | 0.32 | 0.11        | 52  |
| Mason     | 0.04    | 0.03   | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.08 | 0.09 | 0.10 | 0.11 | 0.08        | 267 |
| McLean    | 0.41    | 0.28   | 0.30 | 0.32 | 0.34 | 0.36 | 0.38 | 0.41 | 0.43 | 0.45 | 0.47 | 0.19        | 68  |
| Menard    | 0.07    | 0.04   | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.03        | 75  |
| Piatt     | 0.02    | 0.01   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00        | 0   |
| Sangamon  | 0.41    | 0.30   | 0.32 | 0.33 | 0.35 | 0.36 | 0.38 | 0.39 | 0.41 | 0.42 | 0.44 | 0.14        | 47  |
| Tazewell  | 0.35    | 0.26   | 0.28 | 0.31 | 0.34 | 0.36 | 0.39 | 0.41 | 0.44 | 0.47 | 0.49 | 0.23        | 88  |
| Vermilion | 0.18    | 0.15   | 0.16 | 0.17 | 0.18 | 0.20 | 0.21 | 0.22 | 0.23 | 0.24 | 0.25 | 0.10        | 67  |
| Woodford  | 0.17    | 0.11   | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.00        | 0   |
| Totals    | 2.42    | 1.81   | 1.93 | 2.04 | 2.16 | 2.27 | 2.39 | 2.50 | 2.62 | 2.74 | 2.85 | 1.04        | 57  |

Weather = model generated results using 2005 weather data

Normal = model generated results using normal weather data

MGD = millions of gallons per day

Table E.16: Beef cattle livestock for baseline (BL) scenario for each county.

| County    | 2005    | 2010    | 2015    | 2020    | 2025    | 2030    | 2035    | 2040    | 2045    | 2050    | 2005 - 2050<br>Cattle % |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------------------|
| Cass      | 9,409   | 10,061  | 10,671  | 11,223  | 11,707  | 12,111  | 12,425  | 12,642  | 12,756  | 12,764  | 3,355 36                |
| Champaign | 5,062   | 5,413   | 5,741   | 6,038   | 6,299   | 6,516   | 6,685   | 6,801   | 6,863   | 6,867   | 1,805 36                |
| DeWitt    | 3,591   | 3,840   | 4,073   | 4,283   | 4,468   | 4,622   | 4,742   | 4,825   | 4,868   | 4,871   | 1,280 36                |
| Ford      | 5,675   | 6,069   | 6,436   | 6,769   | 7,061   | 7,305   | 7,494   | 7,625   | 7,694   | 7,699   | 2,024 36                |
| Iroquois  | 18,682  | 19,978  | 21,187  | 22,285  | 23,246  | 24,048  | 24,671  | 25,102  | 25,328  | 25,344  | 6,662 36                |
| Logan     | 6,037   | 6,456   | 6,846   | 7,201   | 7,512   | 7,771   | 7,972   | 8,111   | 8,185   | 8,190   | 2,153 36                |
| Macon     | 3,584   | 3,833   | 4,065   | 4,275   | 4,459   | 4,613   | 4,733   | 4,816   | 4,859   | 4,862   | 1,278 36                |
| Mason     | 6,225   | 6,657   | 7,060   | 7,425   | 7,746   | 8,013   | 8,221   | 8,364   | 8,439   | 8,445   | 2,220 36                |
| McLean    | 10,282  | 10,995  | 11,661  | 12,265  | 12,794  | 13,235  | 13,578  | 13,815  | 13,940  | 13,948  | 3,666 36                |
| Menard    | 5,400   | 5,774   | 6,124   | 6,441   | 6,719   | 6,951   | 7,131   | 7,256   | 7,321   | 7,326   | 1,926 36                |
| Piatt     | 2,181   | 2,332   | 2,473   | 2,602   | 2,714   | 2,807   | 2,880   | 2,930   | 2,957   | 2,959   | 778 36                  |
| Sangamon  | 10,705  | 11,447  | 12,140  | 12,769  | 13,320  | 13,779  | 14,137  | 14,384  | 14,513  | 14,522  | 3,817 36                |
| Tazewell  | 8,809   | 9,420   | 9,990   | 10,508  | 10,961  | 11,339  | 11,633  | 11,836  | 11,943  | 11,950  | 3,141 36                |
| Vermilion | 8,236   | 8,807   | 9,340   | 9,824   | 10,248  | 10,601  | 10,876  | 11,066  | 11,166  | 11,173  | 2,937 36                |
| Woodford  | 6,958   | 7,441   | 7,891   | 8,300   | 8,658   | 8,956   | 9,189   | 9,349   | 9,433   | 9,439   | 2,481 36                |
| Totals    | 110,836 | 118,522 | 125,698 | 132,209 | 137,910 | 142,668 | 146,369 | 148,923 | 150,264 | 150,358 | 39,522 36               |

Table E.17: Dairy cattle livestock for baseline (BL) scenario for each county.

| County    | 2005  | 2010  | 2015  | 2020  | 2025  | 2030  | 2035  | 2040  | 2045  | 2050  | 2005 - 2050 |    |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|----|
|           |       |       |       |       |       |       |       |       |       |       | cattle      | %  |
| Cass      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0  |
| Champaign | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0  |
| DeWitt    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0  |
| Ford      | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 18    | 18    | 18    | 6           | 50 |
| Iroquois  | 1,007 | 1,106 | 1,201 | 1,290 | 1,368 | 1,434 | 1,486 | 1,522 | 1,541 | 1,541 | 534         | 53 |
| Logan     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0  |
| Macon     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0  |
| Mason     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0  |
| McLean    | 2,840 | 3,120 | 3,388 | 3,637 | 3,858 | 4,045 | 4,192 | 4,293 | 4,345 | 4,346 | 1,506       | 53 |
| Menard    | 109   | 120   | 130   | 140   | 148   | 155   | 161   | 165   | 167   | 167   | 58          | 53 |
| Piatt     | 113   | 124   | 135   | 145   | 154   | 161   | 167   | 171   | 173   | 173   | 60          | 53 |
| Sangamon  | 252   | 277   | 301   | 323   | 342   | 359   | 372   | 381   | 386   | 386   | 134         | 53 |
| Tazewell  | 608   | 668   | 725   | 779   | 826   | 866   | 897   | 919   | 930   | 930   | 322         | 53 |
| Vermilion | 167   | 183   | 199   | 214   | 227   | 238   | 246   | 252   | 256   | 256   | 89          | 53 |
| Woodford  | 205   | 225   | 245   | 263   | 278   | 292   | 303   | 310   | 314   | 314   | 109         | 53 |
| Totals    | 5,313 | 5,837 | 6,339 | 6,804 | 7,218 | 7,568 | 7,842 | 8,031 | 8,129 | 8,131 | 2,818       | 53 |

Table E.18: Hog livestock for baseline (BL) scenario for each county.

| County    | 2005    | 2010    | 2015    | 2020    | 2025    | 2030    | 2035    | 2040    | 2045    | 2050    | 2005 - 2050<br>Hogs % |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------------|
| Cass      | 82,080  | 87,081  | 91,705  | 95,860  | 99,461  | 102,433 | 104,711 | 106,244 | 106,998 | 106,956 | 24,876 30             |
| Champaign | 21,158  | 22,447  | 23,639  | 24,710  | 25,638  | 26,404  | 26,992  | 27,387  | 27,581  | 27,570  | 6,412 30              |
| DeWitt    | 22,107  | 23,454  | 24,699  | 25,818  | 26,788  | 27,589  | 28,202  | 28,615  | 28,818  | 28,807  | 6,700 30              |
| Ford      | 29,874  | 31,694  | 33,377  | 34,889  | 36,200  | 37,282  | 38,111  | 38,669  | 38,943  | 38,928  | 9,054 30              |
| Iroquois  | 32,137  | 34,095  | 35,906  | 37,532  | 38,942  | 40,106  | 40,998  | 41,598  | 41,893  | 41,877  | 9,740 30              |
| Logan     | 80,755  | 85,676  | 90,225  | 94,313  | 97,856  | 100,780 | 103,021 | 104,529 | 105,271 | 105,229 | 24,474 30             |
| Macon     | 6,397   | 6,787   | 7,147   | 7,471   | 7,752   | 7,983   | 8,161   | 8,280   | 8,339   | 8,336   | 1,939 30              |
| Mason     | 13,521  | 14,345  | 15,107  | 15,791  | 16,384  | 16,874  | 17,249  | 17,502  | 17,626  | 17,619  | 4,098 30              |
| McLean    | 92,321  | 97,946  | 103,147 | 107,820 | 111,871 | 115,214 | 117,776 | 119,500 | 120,348 | 120,300 | 27,979 30             |
| Menard    | 30,859  | 32,739  | 34,478  | 36,040  | 37,394  | 38,511  | 39,367  | 39,944  | 40,227  | 40,211  | 9,352 30              |
| Piatt     | 8,072   | 8,564   | 9,019   | 9,427   | 9,781   | 10,074  | 10,298  | 10,448  | 10,523  | 10,518  | 2,446 30              |
| Sangamon  | 50,810  | 53,906  | 56,768  | 59,340  | 61,570  | 63,409  | 64,819  | 65,768  | 66,235  | 66,209  | 15,399 30             |
| Tazewell  | 74,762  | 79,317  | 83,529  | 87,313  | 90,594  | 93,300  | 95,375  | 96,772  | 97,459  | 97,420  | 22,658 30             |
| Vermilion | 19,056  | 20,217  | 21,291  | 22,255  | 23,091  | 23,781  | 24,310  | 24,666  | 24,841  | 24,831  | 5,775 30              |
| Woodford  | 82,337  | 87,354  | 91,992  | 96,160  | 99,773  | 102,754 | 105,039 | 106,577 | 107,333 | 107,291 | 24,954 30             |
| Totals    | 646,246 | 685,624 | 722,027 | 754,741 | 783,096 | 806,494 | 824,428 | 836,500 | 842,438 | 842,101 | 195,855 30            |

Table E.19: Horse livestock for baseline (BL) scenario for each county.

| County    | 2005  | 2010  | 2015  | 2020  | 2025  | 2030  | 2035  | 2040  | 2045  | 2050  | 2005 - 2050 |   |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|---|
|           |       |       |       |       |       |       |       |       |       |       | Horses      | % |
| Cass      | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 0           | 0 |
| Champaign | 522   | 522   | 522   | 522   | 522   | 522   | 522   | 522   | 522   | 522   | 0           | 0 |
| DeWitt    | 228   | 228   | 228   | 228   | 228   | 228   | 228   | 228   | 228   | 228   | 0           | 0 |
| Ford      | 93    | 93    | 93    | 93    | 93    | 93    | 93    | 93    | 93    | 93    | 0           | 0 |
| Iroquois  | 514   | 514   | 514   | 514   | 514   | 514   | 514   | 514   | 514   | 514   | 0           | 0 |
| Logan     | 188   | 188   | 188   | 188   | 188   | 188   | 188   | 188   | 188   | 188   | 0           | 0 |
| Macon     | 346   | 346   | 346   | 346   | 346   | 346   | 346   | 346   | 346   | 346   | 0           | 0 |
| Mason     | 216   | 216   | 216   | 216   | 216   | 216   | 216   | 216   | 216   | 216   | 0           | 0 |
| McLean    | 759   | 759   | 759   | 759   | 759   | 759   | 759   | 759   | 759   | 759   | 0           | 0 |
| Menard    | 206   | 206   | 206   | 206   | 206   | 206   | 206   | 206   | 206   | 206   | 0           | 0 |
| Piatt     | 286   | 286   | 286   | 286   | 286   | 286   | 286   | 286   | 286   | 286   | 0           | 0 |
| Sangamon  | 1,536 | 1,536 | 1,536 | 1,536 | 1,536 | 1,536 | 1,536 | 1,536 | 1,536 | 1,536 | 0           | 0 |
| Tazewell  | 656   | 656   | 656   | 656   | 656   | 656   | 656   | 656   | 656   | 656   | 0           | 0 |
| Vermilion | 504   | 504   | 504   | 504   | 504   | 504   | 504   | 504   | 504   | 504   | 0           | 0 |
| Woodford  | 358   | 358   | 358   | 358   | 358   | 358   | 358   | 358   | 358   | 358   | 0           | 0 |
| Totals    | 6,626 | 6,626 | 6,626 | 6,626 | 6,626 | 6,626 | 6,626 | 6,626 | 6,626 | 6,626 | 0           | 0 |

Table E.20: Sheep livestock for baseline (BL) scenario for each county.

| County    | 2005  | 2010  | 2015  | 2020  | 2025  | 2030  | 2035  | 2040  | 2045  | 2050  | 2005 - 2050 |   |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|---|
|           |       |       |       |       |       |       |       |       |       |       | Sheep       | % |
| Cass      | 176   | 176   | 176   | 176   | 176   | 176   | 176   | 176   | 176   | 176   | 0           | 0 |
| Champaign | 371   | 371   | 371   | 371   | 371   | 371   | 371   | 371   | 371   | 371   | 0           | 0 |
| DeWitt    | 111   | 111   | 111   | 111   | 111   | 111   | 111   | 111   | 111   | 111   | 0           | 0 |
| Ford      | 296   | 296   | 296   | 296   | 296   | 296   | 296   | 296   | 296   | 296   | 0           | 0 |
| Iroquois  | 908   | 908   | 908   | 908   | 908   | 908   | 908   | 908   | 908   | 908   | 0           | 0 |
| Logan     | 458   | 458   | 458   | 458   | 458   | 458   | 458   | 458   | 458   | 458   | 0           | 0 |
| Macon     | 189   | 189   | 189   | 189   | 189   | 189   | 189   | 189   | 189   | 189   | 0           | 0 |
| Mason     | 357   | 357   | 357   | 357   | 357   | 357   | 357   | 357   | 357   | 357   | 0           | 0 |
| McLean    | 2,179 | 2,179 | 2,179 | 2,179 | 2,179 | 2,179 | 2,179 | 2,179 | 2,179 | 2,179 | 0           | 0 |
| Menard    | 115   | 115   | 115   | 115   | 115   | 115   | 115   | 115   | 115   | 115   | 0           | 0 |
| Piatt     | 230   | 230   | 230   | 230   | 230   | 230   | 230   | 230   | 230   | 230   | 0           | 0 |
| Sangamon  | 401   | 401   | 401   | 401   | 401   | 401   | 401   | 401   | 401   | 401   | 0           | 0 |
| Tazewell  | 578   | 578   | 578   | 578   | 578   | 578   | 578   | 578   | 578   | 578   | 0           | 0 |
| Vermilion | 358   | 358   | 358   | 358   | 358   | 358   | 358   | 358   | 358   | 358   | 0           | 0 |
| Woodford  | 1,387 | 1,387 | 1,387 | 1,387 | 1,387 | 1,387 | 1,387 | 1,387 | 1,387 | 1,387 | 0           | 0 |
| Totals    | 8,114 | 8,114 | 8,114 | 8,114 | 8,114 | 8,114 | 8,114 | 8,114 | 8,114 | 8,114 | 0           | 0 |

Table E.21: Chicken livestock for baseline (BL) scenario for each county.

| County    | 2005  | 2010  | 2015  | 2020  | 2025  | 2030  | 2035  | 2040  | 2045  | 2050  | 2005 - 2050 |   |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|---|
|           |       |       |       |       |       |       |       |       |       |       | Chickens    | % |
| Cass      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0 |
| Champaign | 3,772 | 3,772 | 3,772 | 3,772 | 3,772 | 3,772 | 3,772 | 3,772 | 3,772 | 3,772 | 0           | 0 |
| DeWitt    | 536   | 536   | 536   | 536   | 536   | 536   | 536   | 536   | 536   | 536   | 0           | 0 |
| Ford      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0 |
| Iroquois  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0 |
| Logan     | 237   | 237   | 237   | 237   | 237   | 237   | 237   | 237   | 237   | 237   | 0           | 0 |
| Macon     | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 214   | 0           | 0 |
| Mason     | 106   | 106   | 106   | 106   | 106   | 106   | 106   | 106   | 106   | 106   | 0           | 0 |
| McLean    | 503   | 503   | 503   | 503   | 503   | 503   | 503   | 503   | 503   | 503   | 0           | 0 |
| Menard    | 285   | 285   | 285   | 285   | 285   | 285   | 285   | 285   | 285   | 285   | 0           | 0 |
| Piatt     | 177   | 177   | 177   | 177   | 177   | 177   | 177   | 177   | 177   | 177   | 0           | 0 |
| Sangamon  | 1,463 | 1,463 | 1,463 | 1,463 | 1,463 | 1,463 | 1,463 | 1,463 | 1,463 | 1,463 | 0           | 0 |
| Tazewell  | 478   | 478   | 478   | 478   | 478   | 478   | 478   | 478   | 478   | 478   | 0           | 0 |
| Vermilion | 504   | 504   | 504   | 504   | 504   | 504   | 504   | 504   | 504   | 504   | 0           | 0 |
| Woodford  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0 |
| Totals    | 8,275 | 8,275 | 8,275 | 8,275 | 8,275 | 8,275 | 8,275 | 8,275 | 8,275 | 8,275 | 0           | 0 |

Table E.22: Livestock water use in millions of gallons per day for baseline (BL) scenario for each county.

| County    | 2005    | 2005   | 2010 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 | 2005 - 2050 |     |
|-----------|---------|--------|------|------|------|------|------|------|------|------|------|-------------|-----|
|           | Weather | Normal |      |      |      |      |      |      |      |      |      |             | MGD |
| Cass      | 0.44    | 0.44   | 0.47 | 0.50 | 0.52 | 0.54 | 0.56 | 0.57 | 0.58 | 0.58 | 0.58 | 0.14        | 32  |
| Champaign | 0.15    | 0.15   | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.20 | 0.20 | 0.20 | 0.20 | 0.05        | 33  |
| DeWitt    | 0.13    | 0.13   | 0.14 | 0.15 | 0.16 | 0.16 | 0.17 | 0.17 | 0.18 | 0.18 | 0.18 | 0.05        | 38  |
| Ford      | 0.19    | 0.19   | 0.20 | 0.21 | 0.22 | 0.23 | 0.24 | 0.24 | 0.25 | 0.25 | 0.25 | 0.06        | 32  |
| Iroquois  | 0.40    | 0.40   | 0.42 | 0.45 | 0.47 | 0.49 | 0.51 | 0.52 | 0.53 | 0.53 | 0.53 | 0.13        | 33  |
| Logan     | 0.40    | 0.40   | 0.42 | 0.45 | 0.47 | 0.48 | 0.50 | 0.51 | 0.52 | 0.52 | 0.52 | 0.12        | 30  |
| Macon     | 0.07    | 0.07   | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 | 0.03        | 43  |
| Mason     | 0.13    | 0.13   | 0.14 | 0.15 | 0.16 | 0.16 | 0.17 | 0.17 | 0.17 | 0.18 | 0.18 | 0.05        | 38  |
| McLean    | 0.61    | 0.61   | 0.65 | 0.68 | 0.72 | 0.75 | 0.77 | 0.79 | 0.81 | 0.81 | 0.81 | 0.20        | 33  |
| Menard    | 0.19    | 0.19   | 0.21 | 0.22 | 0.23 | 0.24 | 0.25 | 0.25 | 0.26 | 0.26 | 0.26 | 0.07        | 37  |
| Piatt     | 0.07    | 0.07   | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.02        | 29  |
| Sangamon  | 0.36    | 0.36   | 0.38 | 0.40 | 0.42 | 0.44 | 0.45 | 0.46 | 0.47 | 0.47 | 0.47 | 0.11        | 31  |
| Tazewell  | 0.44    | 0.44   | 0.46 | 0.49 | 0.51 | 0.53 | 0.55 | 0.56 | 0.57 | 0.57 | 0.57 | 0.13        | 30  |
| Vermilion | 0.19    | 0.19   | 0.20 | 0.21 | 0.22 | 0.23 | 0.24 | 0.24 | 0.25 | 0.25 | 0.25 | 0.06        | 32  |
| Woodford  | 0.43    | 0.43   | 0.45 | 0.48 | 0.50 | 0.52 | 0.54 | 0.55 | 0.56 | 0.56 | 0.56 | 0.13        | 30  |
| Totals    | 4.20    | 4.20   | 4.47 | 4.71 | 4.94 | 5.14 | 5.30 | 5.42 | 5.51 | 5.55 | 5.55 | 1.35        | 32  |

Weather = model generated results using 2005 weather data

Normal = model generated results using normal weather data

MGD = millions of gallons per day



Table E.23: Total number of beef cattle, dairy cattle, hogs, horses, and sheep reported.

| County    | Year | Beef Cattle | Dairy Cattle | Hogs    | Horses | Sheep | Chickens |
|-----------|------|-------------|--------------|---------|--------|-------|----------|
| Cass      | 1982 | 1,936       | 46           | 82,155  | 235    | 432   | 19       |
|           | 1987 | 1,979       | 8            | 92,257  | 127    | 402   | 570      |
|           | 1992 | 1,992       | D            | 104,165 | 76     | 372   | 501      |
|           | 1997 | 1,997       | D            | 115,528 | 102    | 216   | 98       |
|           | 2002 | 2,002       | D            | 82,080  | 176    | 214   | D        |
| Champaign | 1982 | 1,301       | 681          | 28,721  | 963    | 2,069 | 55       |
|           | 1987 | 1,244       | 743          | 28,846  | 744    | 2,127 | D        |
|           | 1992 | 1,625       | 367          | 23,240  | 707    | 1,355 | 36       |
|           | 1997 | 1,919       | 78           | 19,479  | 677    | 1,046 | D        |
|           | 2002 | 2,002       | D            | 21,158  | 522    | 371   | 3,772    |
| DeWitt    | 1982 | 1,901       | 81           | 10,154  | 250    | 664   | 24       |
|           | 1987 | 1,934       | 53           | 9,025   | 211    | 489   | D        |
|           | 1992 | 1,992       | D            | 5,351   | 155    | 321   | D        |
|           | 1997 | 1,947       | 50           | 6,118   | 151    | 166   | 350      |
|           | 2002 | 2,002       | D            | 22,107  | 228    | 111   | 536      |
| Ford      | 1982 | 1,677       | 305          | 34,551  | 37     | 1,254 | 31       |
|           | 1987 | 1,718       | 269          | 39,842  | 157    | 1,210 | D        |
|           | 1992 | 1,813       | 179          | 44,138  | 128    | 661   | D        |
|           | 1997 | 1,742       | 255          | 40,055  | 145    | 460   | 722      |
|           | 2002 | 1,990       | 12           | 29,874  | 93     | 296   | D        |
| Iroquois  | 1982 | -1,228      | 3,210        | 52,282  | 590    | 2,833 | 74       |
|           | 1987 | -393        | 2,380        | 53,327  | 634    | 2,024 | D        |
|           | 1992 | 229         | 1,763        | 58,891  | 438    | 1,930 | D        |
|           | 1997 | 357         | 1,640        | 47,486  | 432    | 922   | D        |
|           | 2002 | 995         | 1,007        | 32,137  | 514    | 908   | D        |

D = data withheld due to data disclosure limitations.

Source: U. S. Department of Agriculture Census, various years.

Table E.24: Total number of beef cattle, dairy cattle, hogs, horses, and sheep reported, continued.

| County | Year | Beef Cattle | Dairy Cattle | Hogs    | Horses | Sheep | Chickens |
|--------|------|-------------|--------------|---------|--------|-------|----------|
| Logan  | 1982 | 1,665       | 317          | 69,610  | 211    | 1,387 | D        |
|        | 1987 | 279         | 1,708        | 77,704  | 164    | 899   | D        |
|        | 1992 | 48          | 1,944        | 81,765  | 118    | 756   | D        |
|        | 1997 | 1,997       | D            | 89,142  | 162    | 664   | 191      |
|        | 2002 | 2,002       | D            | 80,755  | 188    | 458   | 237      |
| Macon  | 1982 | 1,852       | 130          | 21,621  | 547    | 889   | D        |
|        | 1987 | 1,850       | 137          | 17,331  | 608    | 1,361 | D        |
|        | 1992 | 1,992       | D            | 23,462  | 504    | 862   | D        |
|        | 1997 | 1,997       | D            | 11,777  | 246    | 537   | 219      |
|        | 2002 | 2,002       | D            | 6,397   | 346    | 189   | 214      |
| Mason  | 1982 | 1,890       | 92           | 33,954  | 324    | 303   | 13,525   |
|        | 1987 | 1,987       | D            | 22,529  | 261    | 162   | 1,484    |
|        | 1992 | 1,992       | D            | 45,174  | 141    | 470   | 794      |
|        | 1997 | 1,997       | D            | 43,409  | 255    | 169   | 186      |
|        | 2002 | 2,002       | D            | 13,521  | 216    | 357   | 106      |
| McLean | 1982 | 972         | 1,010        | 84,232  | 982    | 3,378 | 57,718   |
|        | 1987 | 599         | 1,388        | 89,891  | 876    | 3,420 | 41,336   |
|        | 1992 | 1,160       | 832          | 84,753  | 674    | 3,077 | 557      |
|        | 1997 | 994         | 1,003        | 100,529 | 626    | 1,517 | 772      |
|        | 2002 | -838        | 2,840        | 92,321  | 759    | 2,179 | 503      |
| Menard | 1982 | 1,982       | D            | 59,169  | 60     | 393   | 924      |
|        | 1987 | 1,978       | 9            | 52,555  | 464    | 374   | 2,160    |
|        | 1992 | 1,992       | D            | 49,812  | 246    | 587   | 2,352    |
|        | 1997 | 1,783       | 214          | 26,573  | 333    | 155   | 191      |
|        | 2002 | 1,893       | 109          | 30,859  | 206    | 115   | 285      |

D = data withheld due to data disclosure limitations.

Source: U. S. Department of Agriculture Census, various years.

Table E.25: Total number of beef cattle, dairy cattle, hogs, horses, and sheep reported, continued.

| County    | Year | Beef Cattle | Dairy Cattle | Hogs    | Horses | Sheep | Chickens |
|-----------|------|-------------|--------------|---------|--------|-------|----------|
| Piatt     | 1982 | 1,844       | 138          | 22,420  | 190    | 773   | 675      |
|           | 1987 | 1,813       | 174          | 20,556  | 143    | 682   | 256      |
|           | 1992 | 1,852       | 140          | 16,551  | 135    | 301   | 85       |
|           | 1997 | 1,997       | D            | 15,859  | 138    | 169   | 152      |
|           | 2002 | 1,889       | 113          | 8,072   | 286    | 230   | 177      |
| Sangamon  | 1982 | 1,567       | 415          | 84,178  | 1,197  | 2,323 | D        |
|           | 1987 | 1,721       | 266          | 73,660  | 791    | 1,582 | D        |
|           | 1992 | 1,798       | 194          | 74,258  | 887    | 1,522 | D        |
|           | 1997 | 1,397       | 600          | 69,227  | 836    | 862   | D        |
|           | 2002 | 1,750       | 252          | 50,810  | 1,536  | 401   | 1,463    |
| Tazewell  | 1982 | 921         | 1,061        | 105,288 | 524    | 2,002 | 109,525  |
|           | 1987 | 954         | 1,033        | 121,092 | 549    | 1,847 | D        |
|           | 1992 | 1,138       | 854          | 109,534 | 513    | 1,346 | D        |
|           | 1997 | 997         | 1,000        | 111,818 | 553    | 708   | 566      |
|           | 2002 | 1,394       | 608          | 74,762  | 656    | 578   | 478      |
| Vermilion | 1982 | 1,569       | 413          | 45,921  | 570    | 1,544 | 18,309   |
|           | 1987 | 1,576       | 411          | 45,395  | 551    | 1,323 | 4,550    |
|           | 1992 | 1,594       | 398          | 34,236  | 412    | 793   | D        |
|           | 1997 | 1,877       | 120          | 16,953  | 389    | 512   | 376      |
|           | 2002 | 1,835       | 167          | 19,056  | 504    | 358   | 504      |
| Woodford  | 1982 | 917         | 1,065        | 92,005  | 305    | 4,839 | 98,557   |
|           | 1987 | 1,102       | 885          | 96,217  | 324    | 4,130 | 63,648   |
|           | 1992 | 1,042       | 950          | 97,829  | 274    | 3,194 | D        |
|           | 1997 | 1,820       | 177          | 85,600  | 221    | 1,914 | D        |
|           | 2002 | 1,797       | 205          | 82,337  | 358    | 1,387 | D        |

D = data withheld due to data disclosure limitations.

Source: U. S. Department of Agriculture Census, various years.

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