

### FALL MIGRATION TABLES - 2005

|              | GOOSE                        |             |       |        | BRANT       | SWAN<br>TUNDRA | DUCK<br>WOOD | GADWALL     | WIGEON     |             |                   | DUCK<br>AMERICAN<br>BLACK | MALLARD     | TEAL<br>BLUE-WINGED | SHOVELER<br>NORTHERN | PINTAIL<br>NORTHERN |
|--------------|------------------------------|-------------|-------|--------|-------------|----------------|--------------|-------------|------------|-------------|-------------------|---------------------------|-------------|---------------------|----------------------|---------------------|
|              | GREATER<br>WHITE-<br>FRONTED | SNOW        | ROSS' | CANADA |             |                |              |             | EURASIAN   | AMERICAN    | AMERICAN<br>BLACK |                           |             |                     |                      |                     |
| ALLEGHENY    |                              | 11/27-11/27 |       |        |             | 11/14-11/14    |              | 10/24-11/18 |            | 10/17>      | 8/16>             |                           | >9/2        | 11/11-11/11         | 11/9-11/9            |                     |
| ARMSTRONG    |                              |             |       |        |             | 11/12>         |              |             |            |             | 10/30>            |                           |             |                     |                      |                     |
| BEAVER       |                              |             |       |        |             | 11/18>         |              | 10/16-10/16 |            | 9/25>       |                   |                           | >10/28      | 8/14-9/25           | 8/26-11/18           |                     |
| BEDFORD      |                              | 11/14>      |       |        | 12/8-12/8   | 10/22>         |              | 10/28-10/29 |            |             |                   |                           |             |                     |                      |                     |
| BERKS        |                              | 8/1>        |       |        | 10/9-11/14  |                |              | 10/31>      |            | 10/9>       | 8/31>             |                           | 9/17-10/9   | 8/31-11/15          |                      |                     |
| BRADFORD     |                              |             |       |        |             |                |              |             |            |             |                   |                           |             |                     |                      |                     |
| BUCKS        | 10/23-12/7                   |             | 8/28> |        | >12/12      |                | 7/9-11/28    |             | 7/24-9/11  |             |                   | >10/10                    | 8/18-12/17  | 8/31-9/12           |                      |                     |
| CAMBRIA      |                              |             |       |        |             | 11/14>         |              | 12/12-12/12 |            | 10/28>      |                   |                           | >12/3       |                     |                      |                     |
| CENTRE       |                              |             |       |        |             | 11/27>         |              |             | 9/17-11/14 |             |                   |                           |             | 10/13-10/13         | 10/27-11/27          |                     |
| CHESTER      |                              | 9/7>        |       |        |             |                |              |             |            | 10/21>      |                   |                           | >9/17       | 10/21-11/2          | 10/5-11/26           |                     |
| CLARION      |                              | 11/18>      |       |        |             | 11/11>         |              | 11/8-12/6   |            |             |                   |                           |             |                     | 11/15>               |                     |
| CLEARFIELD   |                              |             |       |        |             |                |              |             |            |             |                   |                           |             |                     |                      |                     |
| CLINTON      |                              | 11/15>      |       |        |             |                |              |             |            |             |                   |                           |             |                     |                      |                     |
| DAUPHIN      |                              |             |       |        | 10/21>      |                |              | 10/23>      |            | 10/23>      |                   |                           | 8/18-9/14   | 10/24>              | 8/31>                |                     |
| DELAWARE     |                              | 10/26-11/27 |       |        |             | 10/26>         | >11/15       |             |            | 11/2>       | 8/31>             |                           | 9/6-9/25    |                     | 10/7-10/28           |                     |
| FOREST       |                              |             |       |        |             | 11/13>         |              |             |            |             |                   |                           |             |                     |                      |                     |
| FRANKLIN     |                              |             |       |        | 10/14-10/14 | 11/18>         |              | 10/1-12/17  |            |             |                   |                           |             |                     | >12/17               |                     |
| GREENE       |                              |             |       |        |             |                |              |             |            |             |                   |                           |             |                     |                      |                     |
| INDIANA      |                              | 10/28-11/15 |       |        | 10/9-10/9   | 11/15-12/6     | >10/28       | 9/23-12/6   |            | 9/17-11/12  | 8/18-12/6         |                           | 8/28-11/12  | 8/28-9/23           | 12/1-12/6            |                     |
| JUNIATA      |                              |             |       |        | >12/24      | 10/8>          |              |             |            |             |                   |                           |             |                     |                      |                     |
| LANCASTER    |                              | 10/12>      |       |        | 10/9-10/9   | 11/25>         | >10/30       | 8/25>       |            |             | 8/18>             |                           |             | 8/14-9/30           | 8/25>                |                     |
| LEBANON      |                              |             |       |        |             | 12/1>          |              |             |            | 10/2>       |                   |                           | 7/16>       | 8/15>               |                      |                     |
| MCKEAN       |                              |             |       |        |             | 11/28>         |              |             |            |             |                   |                           |             |                     |                      |                     |
| MERCER       |                              |             |       |        |             | 11/15-12/6     | >11/16       |             |            |             |                   |                           |             |                     |                      |                     |
| MONTOUR      |                              |             |       |        |             |                | >11/17       |             |            |             |                   | >12/10                    |             |                     |                      |                     |
| PHILADELPHIA |                              | 10/28>      |       |        | 10/21-11/7  | 9/4>           | >11/25       | 9/18>       |            | 9/18>       |                   |                           | 9/3-10/6    | 9/18>               | 9/11>                |                     |
| PIKE         |                              |             |       |        |             |                |              |             |            |             |                   |                           |             |                     |                      |                     |
| SCHUYLKILL   |                              | 12/15>      |       |        | 10/9-11/14  | 12/2-12/2      |              |             |            |             |                   |                           | 10/29-10/29 |                     |                      |                     |
| SOMERSET     |                              |             |       |        |             | 11/15-11/23    | >11/9        | 10/27-10/29 |            | 10/25-11/17 | 11/27>            |                           | >9/20       | 10/27>              |                      |                     |
| VENANGO      |                              |             |       |        |             | 11/18>         |              | 11/9-11/26  |            | 10/3>       |                   |                           | >9/11       | 8/28-9/11           | 9/16-10/26           |                     |
| WASHINGTON   |                              |             |       |        |             |                |              |             |            |             |                   |                           | >8/22       |                     |                      |                     |
| WYOMING      |                              |             |       |        | 10/7-10/7   | 11/23-11/23    |              | 11/26-12/17 |            | 11/2-12/20  | >9/26             |                           | >8/12       |                     | 11/17-11/17          |                     |

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|              | TEAL         |            |             | DUCK        | SCAUP       |             |             | SCOTER       |            | DUCK        |             | GOLDENEYE   |             | MERGANSER   |             |
|--------------|--------------|------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
|              | GREEN-WINGED | CANVASBACK | REDHEAD     | RING-NECKED | GREATER     | LESSER      | SURF        | WHITE-WINGED | BLACK      | LONG-TAILED | BUFFLEHEAD  | COMMON      | HOODED      | COMMON      | RED-BREADED |
| ALLEGHENY    | 10/14-11/14  |            |             | >11/28      |             | >10/28      |             |              |            |             | >11/14      |             |             |             |             |
| ARMSTRONG    |              |            |             | 10/30>      |             |             |             |              |            |             | 11/12>      |             | 8/4>        |             |             |
| BEAVER       | >11/19       |            | 11/26-11/26 | 10/9-11/25  |             | 10/21-10/21 |             |              |            |             |             | 11/18>      | >11/30      |             |             |
| BEDFORD      |              |            |             | 11/1-11/3   |             |             |             |              |            |             |             | 11/9>       | >12/18      |             |             |
| BERKS        | 9/1-11/15    | 11/26>     | 10/22-11/26 | 10/9-10/22  | 11/26>      | 11/26>      |             |              |            |             | 10/21-11/27 | 11/27>      | 11/26>      |             | 11/15-11/26 |
| BRADFORD     |              |            |             |             |             |             |             |              |            |             | >11/24      |             | >10/5       |             |             |
| BUCKS        |              | >11/30     |             |             | 8/14>       |             |             | 9/10>        |            | >10/23      |             | 12/10>      | 11/10-11/10 |             | 9/26-1/6    |
| CAMBRIA      | >12/10       | 12/4-12/8  |             | 10/28-12/9  |             | 11/10-12/10 |             |              |            | 10/29-10/29 | 10/28-12/11 | 12/4>       | >12/13      |             | 11/19-12/12 |
| CENTRE       | 10/12-11/14  |            |             | 10/27-11/27 | 10/22-11/5  | 10/22-11/27 | 10/22-10/22 |              |            | 11/10-11/30 | 10/17-11/25 | 11/14-11/14 | >11/30      |             | 10/26-10/26 |
| CHESTER      | >11/23       |            |             | 11/2>       | 11/3-11/3   | 11/23>      | 11/15-11/15 | 10/21-10/21  |            | 12/3-12/3   | 10/20>      | 11/10>      | 11/9>       | 11/26>      |             |
| CLARION      |              | 11/27>     |             | 11/15>      | 11/9>       | 11/27>      |             |              |            |             | 11/9-11/27  |             | >11/27      |             |             |
| CLEARFIELD   |              |            |             |             |             |             |             |              |            |             |             |             |             |             |             |
| CLINTON      |              |            |             | 11/9-11/9   |             |             |             |              |            | 11/9-11/9   | 11/12-12/4  |             |             |             | 12/4-12/4   |
| DAUPHIN      | >12/17       | 12/4>      | 12/4-12/18  | 10/23>      | 12/4-12/17  | 10/21>      | 10/21-12/4  | 10/21-12/4   | 10/25-11/3 | 10/21-11/14 | 10/21>      | 11/17>      | 7/1>        | 7/1>        | 10/25-12/17 |
| DELAWARE     | 8/24>        |            |             | 11/9>       | 11/29>      |             |             |              |            |             | 11/2>       |             | 11/9>       | 11/21>      |             |
| FOREST       |              |            |             |             |             |             |             |              |            |             |             |             | >12/1       |             |             |
| FRANKLIN     | >12/17       |            |             | >10/21      | >12/4       |             |             |              |            |             | >11/21      |             | >11/25      |             | >12/4       |
| GREENE       |              |            |             |             |             |             |             |              |            |             |             |             |             |             |             |
| INDIANA      | 8/31-11/12   | 11/12-12/6 | 11/12-11/19 | 10/25-10/25 | 12/6-12/6   | 11/15-11/22 |             |              |            |             | 11/8-12/6   |             | 10/25-12/6  |             |             |
| JUNIATA      | >11/27       |            |             |             |             | 12/20>      |             |              |            |             |             |             |             |             |             |
| LANCASTER    | 10/21>       | 8/14>      |             |             | 10/13>      |             | 11/6-11/25  | 11/15-11/15  |            |             | 11/25-11/25 | 11/15-11/25 |             | 10/26>      | 10/5>       |
| LEBANON      | 10/22>       |            |             | 11/6>       |             |             | 10/12>      |              |            |             | 10/22>      |             | 10/22>      |             |             |
| MCKEAN       | >10/22       |            |             |             |             |             |             |              |            |             | 10/22>      |             |             |             |             |
| MERCER       | >11/19       |            |             |             |             |             |             |              |            |             | 11/11>      |             | >11/18      | >11/5       |             |
| MONTOUR      | >11/3        |            |             |             |             |             |             |              |            |             |             |             | 11/3-12/10  | 10/18-12/10 |             |
| PHILADELPHIA | 8/22-12/17   | 11/1>      | 11/18>      | 10/31>      | 10/30>      | 10/31>      | 11/11-11/12 |              |            |             | 10/30>      |             | 11/18>      | 11/5>       |             |
| PIKE         |              |            |             |             |             |             |             |              |            |             |             |             |             |             |             |
| SCHUYLKILL   | 9/1-11/14    |            |             |             |             |             |             |              |            | 11/22-11/22 | 11/10-11/27 |             |             | 8/6-11/27   |             |
| SOMERSET     | 10/3-11/17   |            | 10/23-11/26 | 11/9>       | 11/22>      | 10/26-11/22 |             |              |            |             | 11/9-11/17  | 11/9>       | >12/18      | 11/15>      |             |
| VENANGO      |              | 11/29>     |             | 10/26-11/26 | 10/25-11/26 | 11/16>      |             |              |            |             | 11/26-11/29 | 11/16>      | >11/29      |             |             |
| WASHINGTON   |              |            |             |             |             |             |             |              |            |             |             |             |             |             |             |
| WYOMING      | 10/22-11/15  |            |             | 11/2-11/10  |             | 11/2-12/7   | 12/3-12/3   |              |            | 12/30-12/30 | 10/22-12/27 |             | 10/29-12/23 |             |             |

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|              | DUCK        | LOON         | COMMON      | PIED-BILLED | GREBE       |             | CORMORANT      |           | BITTERN   |      |        | HERON      | EGRET    |           | HERON       |            |
|--------------|-------------|--------------|-------------|-------------|-------------|-------------|----------------|-----------|-----------|------|--------|------------|----------|-----------|-------------|------------|
|              | RUDDY       | RED-THROATED |             |             | HORNED      | RED-NECKED  | DOUBLE-CRESTED | GREAT     | AMER      | ICAN | LEAST  | GREAT BLUE | GREAT    | SNOWY     | LITTLE BLUE | TRICOLORED |
| ALLEGHENY    | 10/22>      |              | 11/14-11/19 |             | >12/1       |             |                |           |           |      |        |            |          |           |             |            |
| ARMSTRONG    | 10/30>      |              |             | 10/30>      |             |             |                |           |           |      |        |            |          |           |             |            |
| BEAVER       |             |              | 8/20-11/19  | >11/11      |             |             | >11/30         |           |           |      |        | >11/18     |          |           |             |            |
| BEDFORD      | >10/18      |              | 10/16-11/20 | >12/18      |             |             | >10/16         |           | >7/10     |      |        | >8/2       |          |           |             |            |
| BERKS        | 10/16-10/22 | 10/22-11/27  | 10/22-11/27 | >11/27      | 11/27>      |             | >11/30         |           |           |      |        | 8/13-10/20 |          |           |             |            |
| BRADFORD     |             |              | >12/26      |             |             |             |                |           |           |      |        | >7/27      |          |           |             |            |
| BUCKS        |             | >12/26       |             |             | 10/18>      |             |                | 9/17-9/27 | 8/7-10/8  |      |        | 7/24-11/2  | 7/3-10/7 | 7/18-10/7 |             |            |
| CAMBRIA      | >12/19      |              | 7/2-11/19   | >12/13      | 11/10-12/3  |             | >10/18         |           |           |      |        |            |          |           |             |            |
| CENTRE       | 10/13-11/25 | 11/6-11/6    | 10/22-11/24 | >11/25      | 11/30-11/30 | 11/26-11/26 | 8/26-10/31     |           |           |      |        | 8/9-9/29   |          |           |             |            |
| CHESTER      | 9/17>       |              | 10/27>      | 9/8>        | 11/26>      |             | 8/6>           |           | >9/1      |      |        | >10/7      |          |           | 8/13-11/3   |            |
| CLARION      | >12/6       |              |             | >11/27      | >11/27      | >11/15      | >10/28         |           |           |      |        |            |          |           |             |            |
| CLEARFIELD   |             |              |             |             |             |             |                |           |           |      |        |            |          |           |             |            |
| CLINTON      |             |              |             | >10/6       | 12/3-12/4   |             | >10/6          |           |           |      |        |            |          |           |             |            |
| DAUPHIN      | 10/24-12/4  |              | 10/21-11/22 | 10/24-11/16 | 10/24-12/4  | 10/29>      | >11/17         |           | 9/4-11/11 |      |        | >10/27     |          |           |             |            |
| DELAWARE     | 10/29>      |              | 9/24>       | 11/1>       |             |             |                | 11/2>     |           |      |        | >11/14     |          |           |             |            |
| FOREST       |             |              |             |             |             |             |                |           |           |      |        |            |          |           |             |            |
| FRANKLIN     | >12/8       |              | >10/21      | >11/5       | >1/5        |             | >10/26         |           |           |      |        |            |          |           |             |            |
| GREENE       |             |              |             |             |             |             |                |           |           |      |        | 9/24>      |          |           |             |            |
| INDIANA      | 10/9-12/6   |              | 10/25-12/1  | 8/15-12/6   | 11/12-12/6  |             | 9/3-10/22      |           |           |      |        | 9/6-9/6    |          |           |             |            |
| JUNIATA      |             | 12/17-12/18  |             |             |             |             |                |           |           |      |        | >9/21      |          |           |             |            |
| LANCASTER    |             | 10/12>       |             | 11/15-11/15 | 9/1-10/26   | 10/30-11/23 |                |           |           |      |        |            | >10/16   | 7/20-9/30 | 9/15-9/25   |            |
| LEBANON      | 10/22>      |              | 12/4>       | 11/5>       | 10/22>      |             | >10/12         |           |           |      |        | >8/24      |          |           |             |            |
| MCKEAN       |             |              |             | >10/22      |             |             | >11/11         |           |           |      |        |            |          |           |             |            |
| MERCER       | 11/11>      |              | 11/5-11/22  | >11/20      |             |             | >10/16         |           |           |      |        |            |          |           |             |            |
| MONTOUR      |             |              | 10/11-10/15 | 10/13>      |             | 10/29>      |                |           |           |      |        |            |          |           |             |            |
| PHILADELPHIA | 10/17>      | 10/17>       |             | 9/12>       | 10/30>      |             |                | 11/1>     |           |      |        | >9/15      |          | >12/26    |             |            |
| PIKE         |             |              |             |             |             |             |                |           |           |      | >12/18 | >8/30      |          |           |             |            |
| SCHUYLKILL   | 11/4-11/4   |              | 9/19-12/5   | 9/1-10/29   |             | 10/23-10/23 | 8/6-11/23      |           |           |      |        | 8/6-8/6    |          |           |             |            |
| SOMERSET     | 8/15-12/18  |              |             | 9/20-11/26  |             |             | 8/27-10/27     |           |           |      |        | 8/15-8/28  |          |           |             |            |
| VENANGO      | >11/29      |              | 10/26-11/26 | >11/26      | 10/18-11/29 | 11/9>       | >11/11         |           |           |      |        |            |          |           |             |            |
| WASHINGTON   |             |              |             |             |             |             |                |           |           |      |        | >9/21      |          |           |             |            |
| WYOMING      | 10/22-11/26 |              | 12/8-12/8   | 10/2-11/14  | 11/2-11/2   |             |                |           |           |      | >12/24 | 8/20-8/31  |          | 8/31-8/31 |             |            |

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|              | EGRET  | HERON   | NIGHT-HERON   |                | VULTURE     |        | OSPREY     | KITE        | EAGLE     | HARRIER     |           | HAWK          |             | GOSHAWK   | HAWK           |              |
|--------------|--------|---------|---------------|----------------|-------------|--------|------------|-------------|-----------|-------------|-----------|---------------|-------------|-----------|----------------|--------------|
|              | CATTLE | GREEN   | BLACK-CROWNED | YELLOW-CROWNED | BLACK       | TURKEY |            | MISSISSIPPI | BALD      | NORT        | HERN      | SHARP-SHINNED | COOPER'S    | NORTHERN  | RED-SHOULDERED | BROAD-WINGED |
| ALLEGHENY    |        | >9/23   |               |                |             |        | >10/17     |             |           |             |           |               | 10/23-10/23 |           | >8/11          |              |
| ARMSTRONG    |        | >9/3    |               |                |             |        | 9/3-9/3    |             | 9/3-12/23 |             |           |               |             |           |                |              |
| BEAVER       |        | >10/1   |               |                |             |        | >10/9      |             | 8/31>     |             |           |               | 10/16-10/16 |           | >9/8           |              |
| BEDFORD      |        | >8/23   |               |                |             |        | >10/17     | 9/14-9/14   |           |             |           |               |             |           | >10/4          |              |
| BERKS        |        | >11/5   | >9/3          | 9/3-9/3        |             |        | 8/17-10/29 |             |           | 8/18>       |           |               | 9/7>        |           | >10/26         |              |
| BRADFORD     |        | >9/15   |               |                |             |        |            |             |           |             |           |               |             |           | >8/19          |              |
| BUCKS        | >11/30 | 8/8-8/8 |               |                |             |        |            | 8/7-11/4    |           | 7/24-10/8   | 9/17-9/18 |               | 8/29-11/14  |           | 10/7-10/7      |              |
| CAMBRIA      |        | >10/2   |               |                |             |        | >9/27      |             |           |             |           |               |             |           | >9/2           |              |
| CENTRE       |        | >8/31   |               |                | 10/23-10/23 | >11/14 | >11/2      |             |           |             |           |               |             |           | >10/15         |              |
| CHESTER      |        | >9/23   |               |                |             |        | >10/22     |             |           |             |           |               |             |           | >9/27          |              |
| CLARION      |        | >9/2    |               |                |             |        | >10/10     |             |           |             |           |               |             |           |                |              |
| CLEARFIELD   |        |         |               |                |             |        |            |             |           |             |           |               |             |           |                |              |
| CLINTON      |        |         |               |                |             |        |            |             |           |             |           |               |             |           | >9/20          |              |
| DAUPHIN      |        | >10/29  | >9/12         | >8/16          |             |        | >10/23     |             |           |             |           |               |             |           |                |              |
| DELAWARE     |        | >9/30   |               |                |             |        | >11/13     |             |           | 8/21>       | 8/18>     |               | 10/18-11/10 | 8/18>     | 9/3-10/28      |              |
| FOREST       |        |         |               |                |             |        | >9/27      |             |           |             |           |               |             |           | >8/9           |              |
| FRANKLIN     |        |         |               |                |             |        | >12/17     |             |           |             |           |               |             |           | >10/4          |              |
| GREENE       |        |         |               |                |             |        | >10/23     |             | 9/3>      |             |           |               |             |           |                |              |
| INDIANA      |        | >9/23   |               |                |             |        | >11/1      | 8/30-11/8   | 9/1-11/1  | 9/5>        |           |               |             |           | >9/21          |              |
| JUNIATA      |        | >8/8    |               |                |             |        |            |             |           |             |           |               |             |           | >9/22          |              |
| LANCASTER    |        | 7/28>   | >9/3          | >9/30          |             |        |            | >9/30       |           |             |           | 8/31>         |             |           |                |              |
| LEBANON      |        | >9/14   | >7/4          |                |             |        | >11/5      |             |           |             |           |               |             |           | >10/26         |              |
| MCKEAN       |        | >9/3    |               |                |             |        | >8/31      |             |           |             |           |               |             |           | >9/3           |              |
| MERCER       |        | >9/15   |               |                |             |        | >10/30     |             |           | 8/10>       |           |               |             |           |                |              |
| MONTOUR      |        |         |               |                |             |        | 9/9-11/5   |             | 9/1-12/11 | 10/10-12/18 |           |               |             |           |                |              |
| PHILADELPHIA |        | >9/15   |               |                |             |        | >10/1      |             |           |             | 10/1>     |               | 11/24>      | 9/10-11/5 | 8/29-9/24      |              |
| PIKE         |        | >8/30   |               |                |             |        | >10/4      |             |           |             |           |               |             |           | >9/21          |              |
| SCHUYLKILL   |        | >9/1    | 8/12-9/1      |                |             |        | >10/29     |             | 8/6>      | 8/18>       |           |               | 9/7-12/27   |           | >10/26         |              |
| SOMERSET     |        | >8/27   |               |                | 8/21>       |        | >10/12     |             | >10/26    |             |           |               |             | >9/27     |                |              |
| VENANGO      |        | >9/16   |               |                |             |        | >11/1      | >10/13      |           |             |           |               |             |           | >9/24          |              |
| WASHINGTON   |        |         |               |                |             |        |            |             |           |             |           |               |             |           |                |              |
| WYOMING      |        | >8/31   | >8/31         |                |             |        | >10/15     | >9/20       |           |             |           |               |             | >10/1     | >8/6           |              |

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### FALL MIGRATION TABLES - 2005

|              | HAWK       |              | EAGLE       | KESTREL   | MERLIN     | FALCON     | RAIL      | SORA      | MOORHEN   | COOT        | CRANE       | PLOVER        |                 |              | KILLDEER   |
|--------------|------------|--------------|-------------|-----------|------------|------------|-----------|-----------|-----------|-------------|-------------|---------------|-----------------|--------------|------------|
|              | RED-TAILED | ROUGH-LEGGED | GOLDEN      | AMERICAN  |            | PEREGRINE  | VIRGINIA  |           | COMMON    | AMERICAN    | SANDHILL    | BLACK-BELLIED | AMERICAN GOLDEN | SEMIPALMATED |            |
| ALLEGHENY    |            | 11/4>        |             |           | >12/5      |            |           | 9/27-9/27 |           | >10/17      |             |               | 9/4-9/5         | 7/31-9/12    | >12/4      |
| ARMSTRONG    |            |              |             |           |            |            |           |           |           | >10/30      |             |               |                 |              | >11/9      |
| BEAVER       |            |              |             |           | 10/16>     | 8/31>      |           |           |           | >11/30      |             | 9/13-10/7     | 9/9-9/25        | 7/28-9/30    | >11/26     |
| BEDFORD      |            | 11/12>       | 10/4-12/15  |           | 9/6>       |            |           | >9/25     |           |             | >12/1       |               |                 |              | >12/17     |
| BERKS        |            | 10/7>        | 9/17>       |           | 8/13>      | 9/1-11/30  |           |           |           | 10/23-11/26 | 10/2-10/20  | 10/4-10/4     | 9/13-10/21      | 8/28-9/25    |            |
| BRADFORD     |            | 12/26>       |             |           |            |            |           |           |           |             |             |               |                 |              | >10/25     |
| BUCKS        |            | 8/27-8/31    |             |           | 9/16-11/30 | >11/13     |           | 8/24-9/26 |           | >12/3       | 11/12-11/12 |               |                 | 8/12-11/27   |            |
| CAMBRIA      |            | 10/17>       |             |           |            |            |           |           |           | >12/19      |             |               |                 |              | >11/1      |
| CENTRE       |            |              | 10/26-11/23 |           |            | 9/18-10/26 |           |           |           | 10/20-11/10 |             | 8/31-9/1      | 8/30-8/30       | 8/31>        | >10/15     |
| CHESTER      |            |              |             |           | 9/4>       |            | >9/15     | >9/17     |           | 10/21>      |             |               |                 | 9/3-9/15     |            |
| CLARION      |            | 12/3>        |             |           |            |            |           |           |           | >11/27      |             |               |                 |              |            |
| CLEARFIELD   |            |              |             |           |            |            |           |           |           |             |             |               |                 |              |            |
| CLINTON      |            | 12/17>       |             |           | 11/29>     |            |           |           |           |             |             |               |                 |              | >10/10     |
| DAUPHIN      |            |              | 10/23-12/17 |           | 9/30>      |            |           |           |           | 10/23-11/21 |             |               |                 | 8/11-8/31    | 7/1>       |
| DELAWARE     |            |              | 10/5-11/24  | 8/18-11/9 | 9/5-11/20  |            | 10/9>     |           |           | 10/9-11/29  |             | 8/31>         |                 | 8/13-8/28    |            |
| FOREST       |            |              |             |           |            |            |           |           |           |             |             |               |                 |              |            |
| FRANKLIN     |            | 11/13>       | 9/15-11/5   |           | 9/1>       |            |           |           |           | >12/5       |             |               |                 | >8/2         | >12/17     |
| GREENE       |            |              |             |           |            |            |           |           |           |             |             |               |                 |              |            |
| INDIANA      |            |              |             |           | 9/18-9/24  |            |           | >9/1      |           | 9/17-12/6   |             | 8/16-10/15    | 9/10-9/18       | 8/9-9/24     | >11/15     |
| JUNIATA      |            | 11/23>       | 10/27-12/17 |           | 9/18>      |            |           |           |           |             |             |               |                 |              | >12/27     |
| LANCASTER    | >9/26      |              |             |           |            | 8/31>      | 8/6-10/23 |           | 9/21-9/25 |             | 9/21-11/15  |               | 8/6-10/23       | 8/31-10/17   | 7/13-10/27 |
| LEBANON      |            |              | 9/24>       |           | 8/23-10/26 | 9/13-10/26 |           |           |           | 10/21>      |             | 9/14>         | 9/28-11/4       | 9/28-10/7    | >12/4      |
| MCKEAN       | 11/26>     |              |             |           | 8/21>      | 9/3>       |           |           |           |             |             |               |                 | 7/27-8/21    | >10/22     |
| MERCER       |            | 10/16>       |             |           | 9/18-10/2  |            | >8/25     | >8/25     |           |             |             |               |                 |              | >11/21     |
| MONTOUR      |            | 12/18>       | 10/22-10/22 |           |            |            |           |           |           |             |             |               |                 |              |            |
| PHILADELPHIA |            |              | 10/5-10/28  |           | 9/18>      |            |           |           | >11/12    | 9/28>       |             |               | 9/18-10/6       | 9/1-9/25     |            |
| PIKE         |            |              |             |           |            |            |           |           |           |             |             |               |                 |              |            |
| SCHUYLKILL   |            | 10/17>       | 9/17-12/20  |           | 8/22-11/8  | 8/24-11/30 |           |           |           |             | 9/5-10/20   |               |                 |              |            |
| SOMERSET     |            | 12/10>       | 10/9>       |           | 8/21>      |            | >10/8     | >9/23     |           | 10/8-11/26  |             |               |                 | 8/27-9/20    | >10/25     |
| VENANGO      |            | 11/9>        |             |           | 10/13>     |            |           | 8/18-9/2  |           | 10/13-11/26 |             | 10/12>        |                 | 8/19>        | >11/22     |
| WASHINGTON   |            |              |             |           |            |            |           |           |           | >11/7       |             |               |                 | 8/1-8/1      | >10/2      |
| WYOMING      |            | >12/13       | 8/30-10/16  |           |            |            | >7/14     |           |           | 10/29-12/23 |             |               |                 | 8/12-9/20    | >10/29     |

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### FALL MIGRATION TABLES - 2005

|              | AVOCET    | YELLOWLEGS |            | SANDPIPER  | WILLET   | SANDPIPER |          |            | GODWIT    | TURNSTONE | KNOT      | SANDERLING | SANDPIPER    |            |            |
|--------------|-----------|------------|------------|------------|----------|-----------|----------|------------|-----------|-----------|-----------|------------|--------------|------------|------------|
|              | AMERICAN  | GREATER    | LESSER     | SOLITARY   |          | SPOTTED   | UPLAND   | WHIMBREL   | HUDSONIAN | RUDDY     | RED       |            | SEMIPALMATED | WESTERN    | LEAST      |
| ALLEGHENY    |           | 7/24-10/9  | 7/3-9/4    | 7/24>      |          | >10/21    |          |            |           |           |           | 7/23-8/26  | 8/20-8/22    | 7/1-9/9    |            |
| ARMSTRONG    |           |            | >10/30     | 8/4-8/27   |          | >9/3      |          |            |           |           |           |            |              | 8/4-8/28   |            |
| BEAVER       | 8/16-8/16 | 7/15-11/11 | 7/5-10/14  | 7/15-9/5   |          | >10/9     |          |            |           |           |           | 7/17-9/15  | 7/19-10/16   | 8/31-9/1   | 7/1-10/28  |
| BEDFORD      |           | 8/23-9/25  | 7/24-9/25  | 7/24-8/23  |          | >9/14     |          |            |           |           |           | 7/23-9/14  |              | 8/7-9/14   |            |
| BERKS        |           | 8/21-10/21 | 8/17-10/8  | 8/3-10/2   |          | >9/20     |          |            |           | 9/1-9/1   |           | 8/31-9/21  | 9/20-9/20    | 8/17-10/9  |            |
| BRADFORD     |           |            |            | >7/13      |          | >7/25     |          |            |           |           |           | >8/27      |              |            |            |
| BUCKS        |           | 11/19>     | 7/23>      | 11/26>     |          | 7/17-8/26 | 8/8-8/31 | 8/13-10/21 |           | 8/30-9/1  | >10/1     | >10/6      |              | 11/2>      |            |
| CAMBRIA      |           | 8/8-8/8    |            | 7/19-9/10  |          | >10/5     |          |            |           |           |           | 7/13-7/13  |              | 8/8-8/15   |            |
| CENTRE       |           | 8/10-10/27 | 8/4-8/21   | 8/4-9/16   |          | >10/4     |          |            |           |           |           | 8/31-8/31  | 8/13-8/28    | 8/4-8/21   |            |
| CHESTER      |           | 8/6-10/5   | 9/3-10/5   | 8/13-10/5  |          | >10/14    |          |            |           |           |           | 8/6-10/5   | 9/28-9/28    | 8/6-9/27   |            |
| CLARION      |           |            |            |            |          |           |          |            |           |           |           |            |              |            |            |
| CLEARFIELD   |           |            |            |            |          |           |          |            |           |           |           |            |              |            |            |
| CLINTON      |           |            | 9/18-9/18  |            |          |           |          |            |           |           |           |            |              |            |            |
| DAUPHIN      |           | 8/11-9/10  | 8/11-10/24 | 8/11-8/30  |          | >10/21    |          |            |           |           |           | 8/11-8/30  |              | 8/11-8/31  |            |
| DELAWARE     |           | 8/13-11/16 | 8/13-11/23 | 8/27-10/9  |          | >10/1     |          |            |           |           |           | 8/13-9/15  |              | 8/13-9/15  |            |
| FOREST       |           |            |            |            |          |           |          |            |           |           |           |            |              |            |            |
| FRANKLIN     |           | >8/2       | >8/2       | 7/20-8/18  |          | >11/5     | >8/19    |            |           |           |           | 8/5>       | >9/16        | >8/2       |            |
| GREENE       |           |            |            |            |          |           |          |            |           |           |           |            |              |            |            |
| INDIANA      |           | 8/28-11/5  | 7/24-10/15 | 7/19-9/17  |          | >10/28    |          |            | 8/27-8/27 | 8/31-8/31 |           | 8/15-9/17  | 8/15-9/24    | 8/27-9/13  | 6/28-9/20  |
| JUNIATA      |           |            |            |            |          | >9/10     |          |            |           |           |           | >8/8       |              |            |            |
| LANCASTER    |           | 7/20-7/20  | 7/13-10/27 | 7/13-10/27 | 8/6-8/31 | 7/28-8/25 | >10/23   |            | 8/18-8/31 | 10/8-10/8 | 8/31-9/15 | 8/18-8/18  | 7/20-10/23   | 7/17-10/16 | 7/28-10/27 |
| LEBANON      |           | 9/18-10/2  | 8/15-10/7  | 7/11-8/28  |          | >11/22    |          |            |           |           |           |            | 9/28-10/7    | 8/23-10/5  |            |
| MCKEAN       | 8/16>     | 7/27-8/20  | 8/20>      | 7/20-8/21  |          | >8/31     |          |            |           | 8/31>     |           | 8/31>      | 8/3-8/31     | 8/17-8/31  | 7/27-8/31  |
| MERCER       |           | >8/15      |            | >8/5       |          |           |          |            |           |           |           |            |              |            |            |
| MONTOUR      |           |            | >8/22      |            |          |           |          |            |           |           |           |            |              |            |            |
| PHILADELPHIA |           | 8/20-11/4  | 8/17-11/13 | 9/18-10/1  |          | >9/15     |          |            | 9/22>     | 9/3-9/18  |           | 8/17-9/24  | 9/17-9/24    | 8/4-9/25   |            |
| PIKE         |           |            | >9/10      | >9/27      |          | >9/12     |          |            |           |           |           |            |              |            |            |
| SCHUYLKILL   |           |            | 9/1-9/1    | 8/6-8/12   |          | >9/1      |          |            |           |           |           | 9/1-9/1    | 9/1-9/1      | 9/1-9/1    |            |
| SOMERSET     |           |            | 8/22-8/31  | 7/19-9/20  |          | >9/30     |          |            |           |           |           | 8/28>      | 8/16-8/31    | 8/27>      | 8/16-8/31  |
| VENANGO      |           | 8/31>      | 8/31>      | 8/7-8/31   |          | >8/31     |          |            |           |           |           | 8/19-8/31  |              | 8/7-8/31   |            |
| WASHINGTON   |           |            |            | 8/1-10/10  |          | >10/2     |          |            |           |           |           | 8/1-8/24   | 8/21-8/22    | 8/1-8/22   |            |
| WYOMING      |           | 8/17-8/17  |            |            |          | 9/13>     |          |            |           |           |           |            |              | 8/29-10/15 |            |

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|              | SANDPIPER    |           |            |            | DUNLIN     | SANDPIPER |               |              | DOWITCHER   |            | SNIPE      | WOODCOCK  | PHALAROPE  |          |            | GULL |
|--------------|--------------|-----------|------------|------------|------------|-----------|---------------|--------------|-------------|------------|------------|-----------|------------|----------|------------|------|
|              | WHITE-RUMPED | BAIRD'S   | PECTORAL   | PURPLE     |            | STILT     | BUFF-BREASTED | SHORT-BILLED | LONG-BILLED | WILSON'S   | AMERICAN   | WILSON'S  | RED-NECKED | RED      | LAUGHING   |      |
| ALLEGHENY    | 8/12-8/16    | 8/12-9/12 | 7/31-10/16 |            |            | 8/16-8/16 | 8/12-8/14     | 7/8-7/25     |             | >9/23      |            |           |            | 9/4-9/8  | 9/16-9/20  |      |
| ARMSTRONG    |              |           | 8/4-8/4    |            |            |           |               |              |             |            |            |           |            |          |            |      |
| BEAVER       |              | 8/15-10/1 | 7/22-11/6  |            | 10/7-11/13 | 8/8-8/23  | 8/20-8/21     | 7/15-8/20    |             | >11/30     |            | 8/16-8/16 | 9/1-9/9    |          | 9/16-9/17  |      |
| BEDFORD      |              | 7/28-8/10 | 7/28-11/2  |            | 11/5-11/5  | 8/23-8/25 |               |              |             | >9/25      | >10/18     |           |            |          |            |      |
| BERKS        | 8/28-9/13    | 9/3-9/17  | 8/17-10/21 |            | 9/25-10/9  | 9/1-9/21  |               | 9/1-9/3      |             | 9/1>       | >11/28     |           |            |          |            |      |
| BRADFORD     |              |           |            |            |            |           |               |              |             | >10/10     | >11/28     |           |            |          |            |      |
| BUCKS        | 12/11>       | 11/12>    | 8/10-9/25  |            | >11/1      | >10/9     | 11/6-12/7     |              |             | 9/27>      |            | 8/13-8/26 | >9/26      | 8/26-9/6 | >8/3       |      |
| CAMBRIA      |              |           | 8/11-8/17  |            |            |           |               |              |             |            | >7/23      |           |            |          |            |      |
| CENTRE       |              |           | 8/31-9/9   |            |            |           |               | 8/16-8/16    |             | >9/9       |            |           |            |          | 8/31-9/1   |      |
| CHESTER      |              | 9/19-9/24 | 9/5-10/7   |            |            | 9/8-10/5  |               |              |             | 9/16>      | >10/28     |           |            |          | 8/16-8/16  |      |
| CLARION      |              |           |            |            |            |           |               |              |             | >12/14     | >11/11     |           |            |          |            |      |
| CLEARFIELD   |              |           |            |            |            |           |               |              |             |            |            |           |            |          |            |      |
| CLINTON      |              |           | 9/20-9/20  |            |            |           |               |              |             |            |            |           |            |          |            |      |
| DAUPHIN      | 8/30>        |           | 8/11-8/31  |            | >11/24     | 8/31>     | 8/30>         | 8/11>        | 9/1>        | 7/1>       |            |           |            |          | 8/31-10/23 |      |
| DELAWARE     |              |           | 8/13-10/23 |            |            |           |               |              |             | 9/20-10/23 | 11/11>     |           |            |          | 8/31-10/31 |      |
| FOREST       |              |           |            |            |            |           |               |              |             |            | >10/4      |           |            |          |            |      |
| FRANKLIN     |              |           | >8/2       |            | >10/21     |           |               |              |             | >12/20     | >10/29     |           |            |          |            |      |
| GREENE       |              |           |            |            |            |           |               |              |             |            | >9/27      |           |            |          |            |      |
| INDIANA      | 9/10-9/17    | 8/15-11/8 | 7/19-10/28 |            | 10/25-11/8 | 8/28-8/31 | 8/31-8/31     | 8/7-9/20     | 10/25-10/25 | 8/16-11/5  | >10/6      | 8/27-9/6  | 8/31-9/2   |          | 9/1-9/3    |      |
| JUNIATA      |              |           |            |            |            |           |               |              |             | >12/17     |            |           |            |          |            |      |
| LANCASTER    | 7/3-11/6     | 8/31-9/15 | 8/3-9/23   | 7/20-10/16 |            | 8/31-11/6 | 7/28-10/9     | 8/18-9/15    | 7/13-9/15   | 8/6-8/28   | 8/18>      |           | 8/20-8/20  |          |            |      |
| LEBANON      | 8/15-10/5    | 9/28>     | 9/16-10/8  |            |            |           |               |              |             | 10/1>      | >10/5      |           |            |          |            |      |
| MCKEAN       | 8/16-8/21    | 8/16-8/31 | 7/27-8/31  |            |            | 8/17>     | 8/20-8/21     | 8/16-8/31    | 8/31>       |            |            |           |            |          |            |      |
| MERCER       |              |           | >11/5      |            | >11/5      | >11/5     |               |              |             | >10/1      |            |           |            |          |            |      |
| MONTOUR      |              |           |            |            |            |           |               |              |             |            | >11/15     |           |            |          |            |      |
| PHILADELPHIA | 9/11-9/18    |           | 9/7-10/8   |            | 9/17>      | 9/11-9/24 |               | 9/10-9/26    | 9/18>       | 10/1-10/30 | 10/17-11/1 |           |            |          | >11/30     |      |
| PIKE         |              |           |            |            |            |           |               |              |             |            |            |           |            |          |            |      |
| SCHUYLKILL   |              |           | 9/1-9/1    |            |            |           |               |              |             | 9/1-11/16  | >10/29     | 9/1-9/1   |            |          |            |      |
| SOMERSET     |              | 8/27>     | 8/27-9/20  |            |            | 8/31>     |               |              |             | >12/18     | >10/10     |           |            |          |            |      |
| VENANGO      |              | 8/26-8/31 | 8/7-8/28   |            |            |           |               |              |             | 8/20-11/24 | >9/22      |           |            |          | 8/31>      |      |
| WASHINGTON   |              |           | 8/22-8/24  |            |            |           |               |              |             |            |            |           |            |          |            |      |
| WYOMING      |              |           | 8/29-8/30  |            |            |           |               |              |             |            |            |           |            |          |            |      |

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|              | GULL       |        |              |             |             |             |         |                     |          |                    | TERN      |           |             |            |           |
|--------------|------------|--------|--------------|-------------|-------------|-------------|---------|---------------------|----------|--------------------|-----------|-----------|-------------|------------|-----------|
|              | FRANKLIN'S | LITTLE | BLACK-HEADED | BONAPARTE'S | RING-BILLED | HERRING     | ICELAND | LESSER BLACK-BACKED | GLAUCOUS | GREAT BLACK-BACKED | CASPIAN   | COMMON    | FORSTER'S   | LEAST      | BLACK     |
| ALLEGHENY    |            |        |              | 9/1-11/25   |             |             |         |                     |          |                    |           | 8/31-10/9 |             |            |           |
| ARMSTRONG    |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| BEAVER       |            |        |              | 11/13-11/30 |             |             |         | 11/19-11/20         |          |                    | 8/7-8/21  |           | 9/16-9/16   |            |           |
| BEDFORD      |            |        |              | 8/29-11/12  |             |             |         |                     |          |                    |           |           |             |            |           |
| BERKS        |            |        |              | 11/22>      |             |             |         | 10/26>              |          | 10/22>             | 8/5-8/5   | 8/16-8/16 | 10/9-10/9   | 8/29-8/29  | 8/20-8/31 |
| BRADFORD     |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| BUCKS        |            | >9/30  | 8/26-9/19    | >12/18      | >9/18       | >9/4        |         |                     | >10/5    | 9/3-11/9           | >9/19     | >9/27     | 9/4-9/11    | >10/9      |           |
| CAMBRIA      |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| CENTRE       |            |        |              | 11/10-11/25 |             | 11/26-11/30 |         |                     |          |                    | 8/8-10/8  | 8/31-8/31 | 8/31-8/31   |            | 8/31-8/31 |
| CHESTER      |            |        |              | 11/23>      | 11/2>       | 10/3>       |         |                     |          |                    | 8/29-8/29 |           |             |            | 8/27-9/1  |
| CLARION      |            |        |              | >11/27      |             |             |         |                     |          |                    |           | 8/3-11/25 |             |            | >8/3      |
| CLEARFIELD   |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| CLINTON      |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| DAUPHIN      |            |        |              | 11/14>      | 7/1>        | 7/1>        |         | 11/24-12/17         |          | 7/1>               | 8/22-9/10 | 8/30>     |             |            | 8/31>     |
| DELAWARE     |            |        |              |             |             |             |         | 11/6>               |          |                    | 9/1-10/4  |           | 8/15-10/15  |            | 8/31>     |
| FOREST       |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| FRANKLIN     |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| GREENE       |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| INDIANA      |            |        |              | 11/22-11/22 |             | 10/9-10/9   |         |                     |          |                    | 8/16-8/31 |           | 8/16-9/3    |            | 8/27-8/31 |
| JUNIATA      |            |        |              |             |             |             |         |                     |          | 12/18>             |           |           |             |            |           |
| LANCASTER    | 8/18-10/9  |        |              |             | 8/18-11/6   |             |         |                     | 9/25>    |                    |           | 7/3-9/30  | 8/6-10/17   | 7/17-10/27 |           |
| LEBANON      |            |        |              |             |             | 10/22>      | 11/28>  | 10/30>              |          |                    | 11/28>    |           |             |            |           |
| MCKEAN       |            |        |              | 11/25>      |             |             |         |                     |          |                    |           |           |             |            |           |
| MERCER       |            |        |              | >11/5       |             |             |         |                     |          |                    |           |           |             |            |           |
| MONTOUR      |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| PHILADELPHIA |            |        |              | 11/14-11/21 |             |             |         |                     |          |                    | 8/17-10/8 | 8/24>     | 8/6-9/30    |            | 8/31>     |
| PIKE         |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| SCHUYLKILL   |            |        |              |             |             |             |         |                     |          |                    | 8/6-8/6   |           |             |            | 8/31-8/31 |
| SOMERSET     |            |        |              | 11/22-11/23 |             |             |         |                     |          |                    |           | 8/31>     |             |            | 8/27-8/31 |
| VENANGO      |            |        |              | 11/22-11/29 | 11/16-11/26 |             |         |                     |          |                    | 8/31>     |           | 11/9>       |            | 8/31>     |
| WASHINGTON   |            |        |              |             |             |             |         |                     |          |                    |           |           |             |            |           |
| WYOMING      |            |        |              |             | >8/27       | >11/26      |         |                     |          | 12/12-12/12        |           |           | 10/14-10/14 |            |           |

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### FALL MIGRATION TABLES - 2005

|              | CUCKOO       |               | BARN   | SNOWY       | OWL    |         | NORTHERN SAW-WHET | NIGHTHAWK     | WHIP-POOR-WILL | SWIFT  | HUMMINGBIRD |             | KINGFISHER     | WOODPECKER  | SAPSUCKER  |
|--------------|--------------|---------------|--------|-------------|--------|---------|-------------------|---------------|----------------|--------|-------------|-------------|----------------|-------------|------------|
|              | BLACK-BILLED | YELLOW-BILLED |        |             | COMMON | CHIMNEY |                   | RUBY-THROATED |                | RUFOUS | BELTED      | RED-HEADED  | YELLOW-BELLIED |             |            |
| ALLEGHENY    | >9/18        | >9/26         |        |             |        | 10/30>  | 10/4-10/4         | >9/8          |                | >10/15 | >10/7       |             |                |             | 9/24>      |
| ARMSTRONG    | >8/27        | >8/27         |        |             |        |         |                   | >9/5          |                |        | >8/27       | 9/28-10/3   |                |             |            |
| BEAVER       |              |               |        |             |        |         |                   | >9/9          |                | >10/9  | >9/8        | 10/15-12/7  |                |             |            |
| BEDFORD      |              |               |        |             |        |         |                   | >9/8          |                | >9/29  | >9/20       |             |                |             |            |
| BERKS        |              | >9/8          |        |             |        |         | 11/13>            | >9/11         |                | >10/16 | >10/19      | >11/25      |                |             | 9/25>      |
| BRADFORD     |              |               |        |             |        |         |                   | >8/30         |                | >8/20  | >8/31       |             |                |             |            |
| BUCKS        |              |               | 11/23> | >8/28       | >11/1  | >11/29  | >9/30             | >8/26         | >9/30          | 10/15> | 8/26>       | 10/2>       | >11/29         | 9/10>       | 9/24-10/3  |
| CAMBRIA      | >9/10        | >9/2          |        |             |        |         |                   |               |                | >9/30  | >9/22       |             |                |             |            |
| CENTRE       | >10/13       | >9/7          |        |             |        |         |                   | >9/2          |                | >10/6  | >10/13      |             |                |             |            |
| CHESTER      |              | >9/8          |        |             |        |         |                   | >9/14         |                | >10/22 | >10/1       | 10/29-11/30 |                |             | 10/9>      |
| CLARION      | >9/1         | >8/21         |        |             |        |         |                   | >9/9          |                | >10/6  | >9/16       |             | >12/16         |             | 10/2-10/31 |
| CLEARFIELD   |              |               |        |             |        |         |                   |               |                |        |             |             |                |             |            |
| CLINTON      |              |               |        |             |        |         |                   | >8/16         | >8/6           | >10/2  | >9/22       |             |                |             |            |
| DAUPHIN      |              |               |        |             |        |         |                   | >10/3         |                | >10/17 |             | 10/19-12/14 |                |             | 10/9>      |
| DELAWARE     |              | >9/26         |        |             |        |         |                   | >9/22         |                | >11/1  | >9/30       |             |                | 10/23-11/18 | 10/5>      |
| FOREST       | >7/13        | >7/15         |        |             |        |         |                   |               |                |        | >8/7        |             |                |             |            |
| FRANKLIN     |              |               |        |             |        |         |                   | >9/14         |                | >9/2   | >11/14      |             |                |             |            |
| GREENE       |              |               |        |             |        |         |                   | >9/14         |                | >10/14 | >9/8        |             |                |             | 10/23>     |
| INDIANA      | >8/15        | >9/14         |        |             |        |         |                   | >9/4          | >8/6           | >10/9  | >9/28       |             |                |             | 9/23-11/8  |
| JUNIATA      |              |               |        |             |        |         |                   | >8/24         |                | >10/9  | >9/17       |             |                |             |            |
| LANCASTER    | 7/13-9/1     | >9/28         | >9/14  |             |        |         |                   |               | >9/15          |        | >10/23      | >9/14       |                |             |            |
| LEBANON      | >8/27        | >9/11         |        |             |        |         |                   | >9/23         | >7/10          | >10/14 | >9/5        | 9/15-12/1   |                |             | 9/25>      |
| MCKEAN       | >7/26        | >7/26         |        |             |        |         |                   | >8/20         | >7/24          | >10/22 | >9/3        |             |                | 9/3-10/10   |            |
| MERCER       |              |               |        |             |        |         |                   | >9/12         |                | >10/2  | >9/23       |             |                |             | 9/18-11/30 |
| MONTOUR      |              |               |        | 12/23-12/23 |        |         |                   |               |                |        |             |             |                |             |            |
| PHILADELPHIA |              | >9/1          |        |             |        |         |                   | >9/15         |                | >11/6  | >8/20       |             |                |             | 10/5>      |
| PIKE         | >10/1        | >10/23        |        |             |        |         |                   | 8/16-9/1      |                |        | >9/13       |             | >11/30         |             | 10/6>      |
| SCHUYLKILL   | >10/26       | >8/14         |        |             |        |         |                   | >9/9          |                | >10/16 | >9/27       |             |                |             | 9/23>      |
| SOMERSET     |              | >10/17        |        |             |        | 10/27>  |                   | 8/22>         |                | >10/4  | >10/1       |             |                | >9/14       | 9/27>      |
| VENANGO      | >9/14        | >9/19         |        |             |        |         | 11/27>            | >9/18         |                | >10/4  | >9/23       | 9/23>       |                | >8/26>      | 8/1-9/27   |
| WASHINGTON   |              | >9/24         |        |             |        |         |                   |               |                |        | >8/1        |             |                | 10/2-10/2   | 11/28>     |
| WYOMING      | >7/14        | >7/12         |        |             |        |         |                   | >9/14         |                | >8/18  | >8/29       |             |                |             | >12/31     |

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|              | FLICKER   | FLYCATCHER  | WOOD-PEWEE | FLYCATCHER     |          |       |           |           | PHOEBE   | FLYCATCHER    | KINGBIRD | SHRIKE      |            | VIREO      |             |
|--------------|-----------|-------------|------------|----------------|----------|-------|-----------|-----------|----------|---------------|----------|-------------|------------|------------|-------------|
|              | NORTHERN  | OLIVE-SIDED | EASTERN    | YELLOW-BELLIED | ACADIAN  | ALDER | WILLOW    | LEAST     | EASTERN  | GREAT CRESTED | EASTERN  | NORTHERN    | LOGGERHEAD | WHITE-EYED | BLUE-HEADED |
| ALLEGHENY    |           | 8/16-8/16   | >9/16      | 9/13-9/18      |          |       | >8/25     | >9/11     | >10/28   | >9/13         | >8/18    |             |            | >9/18      | 9/7-10/27   |
| ARMSTRONG    |           |             |            | >8/27          | >8/27    |       |           |           | >8/27    |               | >8/4     |             |            |            |             |
| BEAVER       |           |             | >9/8       |                |          |       |           | >9/8      | >10/28   | >9/8          | >9/8     |             |            | >9/4       | >9/29       |
| BEDFORD      |           | 9/20-9/20   | >9/20      | >9/27          | >7/13    |       | >8/5      | >9/1      | >11/10   | >8/15         | >8/22    |             |            | >7/15      | >9/10       |
| BERKS        |           | 8/21-9/11   | >10/2      | 8/12-9/4       |          |       |           | 8/24-9/21 | >11/4    | >8/30         | >8/30    | 11/4-11/4   |            | >9/8       | >11/4       |
| BRADFORD     |           |             | >9/18      |                |          | >7/27 |           |           | >10/17   |               | >8/30    | 11/5>       |            |            | >8/4        |
| BUCKS        | >10/15    | 9/28>       | 9/5>       | >9/14          |          | >9/17 | 9/18-9/18 |           | 9/2-9/18 | 10/6>         | >10/3    | >12/25      |            | >12/24     | 9/17-12/15  |
| CAMBRIA      |           |             | >9/3       |                | >8/20    |       | >8/20     | >8/10     | >10/9    | >8/12         | >9/15    |             |            |            | >10/20      |
| CENTRE       |           |             | >9/30      |                | >8/5     | >9/19 | >9/23     | >9/8      | >11/26   | >9/16         | >8/7     | 11/30>      |            |            | >10/22      |
| CHESTER      |           |             | >10/1      | 8/24-9/11      |          |       | >8/6      |           | >11/2    | >9/9          | >9/5     |             |            | >9/10      | 10/1-10/30  |
| CLARION      | >11/21    |             | >9/8       | >9/12          |          |       | >8/31     | >9/7      | >11/14   | >8/22         | >8/30    |             |            |            | >9/18       |
| CLEARFIELD   |           |             |            |                |          |       |           |           |          |               |          |             |            |            |             |
| CLINTON      |           |             |            |                |          |       |           |           | >11/6    |               |          |             |            |            | >10/5       |
| DAUPHIN      |           | 8/31-9/5    |            | >10/6          |          |       |           | >8/23     | 7/1>     |               |          |             |            |            |             |
| DELAWARE     |           |             | >10/2      | 9/20>          |          |       |           | 9/3-9/25  | >10/29   | >9/30         | >9/30    |             |            | >9/30      | 9/15-10/15  |
| FOREST       |           | >9/15       | >8/21      |                | >8/7     |       |           | >8/11     | >11/19   | >7/22         |          | 11/19>      |            |            | >10/4       |
| FRANKLIN     |           |             |            |                |          |       |           |           |          |               |          |             |            |            |             |
| GREENE       |           |             |            |                |          |       |           |           |          |               | >8/20    |             |            | >9/24      |             |
| INDIANA      |           |             | >9/20      |                | >9/2     | >6/28 | >7/26     |           | >10/27   | >7/5          | >9/3     |             |            | >10/3      | >10/1       |
| JUNIATA      |           |             | >9/7       |                |          |       |           |           | >12/17   |               | >8/10    |             |            |            | >11/11      |
| LANCASTER    | 9/25>     |             | 9/3-9/3    | >9/5           | 8/27-9/3 |       |           | >9/11     | 8/27-9/5 | >10/15        | >9/25    | >8/21       |            |            | >9/28       |
| LEBANON      |           |             | >9/25      | >9/3           |          |       | >9/11     | >9/16     | >10/29   | >9/25         | >8/26    |             |            | >9/5       | >9/25       |
| MCKEAN       |           | 9/3>        | >9/18      | >7/19          |          | >9/18 | >9/3      |           | >10/10   |               | >10/10   |             |            |            | >10/10      |
| MERCER       |           |             |            |                |          |       | >8/5      | >8/25     | >11/13   | >9/3          | >8/25    |             |            | >8/25      | >10/2       |
| MONTOUR      |           |             |            |                |          |       |           |           | >12/18   | >9/17         |          |             |            |            |             |
| PHILADELPHIA |           |             | >10/12     |                | >9/15    |       | >9/30     |           | >11/30   | >9/30         | >9/30    |             |            | >10/15     | >11/19      |
| PIKE         |           |             | >9/14      |                |          |       |           |           | >10/9    | >9/14         | >9/4     |             |            |            | 8/26-10/1   |
| SCHUYLKILL   |           | 8/23-9/11   | >10/2      | 9/2-9/6        | >8/7     |       | >8/6      | >9/21     | >11/4    | >9/10         | >8/30    | 11/14-11/14 |            | >8/24      | >11/4       |
| SOMERSET     | >10/27    | 9/20-9/24   | >9/23      | 9/6-9/12       |          |       |           |           | >10/27   |               |          |             |            |            | >10/27      |
| VENANGO      | 8/1-11/30 | 8/15-9/14   | >9/25      | 9/5-9/22       |          |       | 8/14>     | 8/18-9/18 | >10/16   | >9/14         | >9/11    |             |            | 9/16>      | >10/13      |
| WASHINGTON   |           |             |            |                |          |       |           | >9/24     |          | >9/20         |          |             |            | >9/24      | >10/1       |
| WYOMING      |           |             | >8/31      | >8/17          | >7/9     | >7/12 | >7/12     | >7/14     | >10/13   | >7/25         | >9/3     |             |            |            | >10/5       |

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|              | VIREO               |          |              |           | JAY<br>BLUE | CROW<br>FISH | RAVEN<br>COMMON | LARK<br>HORNED | MARTIN<br>PURPLE | TREE      | SWALLOW             |           |       |            | CHICKADEE<br>BLACK-CAPPED |
|--------------|---------------------|----------|--------------|-----------|-------------|--------------|-----------------|----------------|------------------|-----------|---------------------|-----------|-------|------------|---------------------------|
|              | YELLOW-<br>THROATED | WARBLING | PHILADELPHIA | RED-EYED  |             |              |                 |                |                  |           | NO ROUGH-<br>WINGED | BANK      | CLIFF | BARN       |                           |
| ALLEGHENY    | >9/25               | >10/2    | 9/7-9/28     | >10/9     |             |              |                 |                | >9/1             | >8/25     | >9/20               |           |       | >9/1       |                           |
| ARMSTRONG    |                     |          |              | >8/27     |             |              |                 |                |                  |           |                     |           |       | >8/27      |                           |
| BEAVER       | >9/8                | >9/14    | 9/30-9/30    | >9/14     |             |              |                 |                |                  | >10/28    | >10/9               |           |       |            |                           |
| BEDFORD      | >9/17               | >9/2     |              | >9/2      |             |              |                 |                |                  | >10/28    |                     |           | >8/22 | >10/28     |                           |
| BERKS        | >9/19               | >9/20    | 8/25-9/30    | >10/18    |             |              |                 |                | >9/2             | >10/28    | >9/17               | >8/21     | >9/4  | >9/30      |                           |
| BRADFORD     | >8/29               |          |              | >8/31     |             |              |                 |                |                  | >8/30     |                     |           |       | >8/17      |                           |
| BUCKS        |                     | >9/16    | 8/15-9/4     | 8/28-9/28 | 9/18-10/20  | 8/26-10/18   | >10/12          | >9/24          | >10/20           | 8/22-10/1 | 9/6-10/9            | 8/23-11/3 | 9/10> | 8/18-11/19 | 8/22-10/9                 |
| CAMBRIA      |                     | >9/18    |              | >10/1     |             |              |                 |                |                  | >10/28    | >8/2                |           | >8/15 | >9/12      |                           |
| CENTRE       |                     |          |              | >10/14    |             |              |                 |                |                  | >8/31     | >10/27              | >8/31     | >8/31 | >10/28     |                           |
| CHESTER      | >9/5                | >9/8     | 9/3-9/5      | >9/30     |             |              |                 |                | >8/6             | >10/22    | >8/29               | >8/29     | >8/29 | >9/15      | 10/17>                    |
| CLARION      |                     | >9/12    | 9/5-9/11     |           |             |              |                 |                |                  | >10/24    |                     |           |       |            |                           |
| CLEARFIELD   |                     |          |              |           |             |              |                 |                |                  |           |                     |           |       |            |                           |
| CLINTON      |                     |          |              |           |             |              |                 |                |                  | >9/15     |                     |           |       | >9/24      |                           |
| DAUPHIN      |                     |          |              |           |             |              |                 |                | >8/25            | >10/27    | >10/27              | >8/22     | >9/11 | >8/22      |                           |
| DELAWARE     | >9/15               | >9/15    | 9/19-9/25    | >10/2     |             |              |                 | 10/18-11/30    | >9/15            | >11/18    | 9/30>               | 9/1>      | >8/15 | >9/15      | 8/31>                     |
| FOREST       | >10/4               |          |              |           |             |              |                 |                |                  | >7/2      |                     |           |       | >7/22      |                           |
| FRANKLIN     |                     |          |              |           |             |              |                 |                |                  | >10/8     | >10/12              |           | >9/13 | >8/15      |                           |
| GREENE       | >9/11               |          | 9/11>        | >10/3     |             |              |                 |                |                  |           |                     |           |       | >8/29      |                           |
| INDIANA      | >8/4                | >9/13    | 8/30-10/1    | >9/24     |             |              |                 |                |                  | >9/6      | >7/26               | >8/31     | >8/31 | >9/24      |                           |
| JUNIATA      | >9/10               | >9/22    |              | >9/21     |             |              |                 |                | >8/20            | >10/15    |                     |           |       | >10/2      |                           |
| LANCASTER    | 9/18-10/29          | >9/3     | >9/18        | 9/21-9/30 | >9/28       |              |                 | 9/24-9/24      |                  | >10/9     | >11/6               | >10/30    | >9/30 | >9/30      | >9/30                     |
| LEBANON      |                     | >9/18    |              | >10/2     |             |              |                 |                | >10/2            | >10/22    | >10/2               | >10/7     | >10/2 | >10/10     |                           |
| MCKEAN       | >7/24               | >8/16    | 9/18>        | >10/10    |             |              |                 |                |                  | >9/3      | >11/11              |           | >9/3  | >9/3       |                           |
| MERCER       | >9/24               | >9/6     | >9/18        | >10/2     |             |              |                 |                | >9/5             | >10/16    |                     | >10/9     | >9/5  | >9/24      |                           |
| MONTOUR      |                     |          |              |           |             |              |                 | 12/12>         |                  | >9/22     |                     |           |       |            |                           |
| PHILADELPHIA |                     | >10/31   |              | >10/30    |             |              |                 |                |                  | >11/19    | >11/30              | >9/1      | >8/15 | >10/15     | 10/30>                    |
| PIKE         | >9/21               |          |              | >9/24     |             |              |                 |                |                  | >8/9      |                     |           | >8/9  | >8/9       |                           |
| SCHUYLKILL   | >9/6                | >10/30   | 8/25-9/30    | >10/18    |             |              |                 |                | >9/2             | >10/28    | >9/2                | >8/21     | >9/4  | >9/14      |                           |
| SOMERSET     |                     | >10/2    | 9/6>         | >10/3     |             |              |                 |                |                  | >10/27    | >8/27               | >8/27     | >8/27 | >10/8      |                           |
| VENANGO      | >9/15               | >9/19    | 9/5-9/16     | >9/28     |             |              | 8/17-8/28       | 10/24>         | 8/31-9/3         | >10/26    | >8/21               | >8/27     | >8/9  | >9/11      |                           |
| WASHINGTON   | >9/11               | >9/11    | 9/11-9/24    | >9/24     |             |              |                 |                |                  |           |                     |           |       |            |                           |
| WYOMING      | >9/12               | >6/30    |              | >9/10     |             |              |                 |                |                  | >10/1     | >7/12               |           | >7/13 | >8/22      |                           |

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|              | NUTHATCH     | CREEPER   | WREN   |            |           | KINGLET   |                | GNATCATCHER  | BLUEBIRD  | VEERY | GRAY-CHEEKED | THRUSH     |            |            |
|--------------|--------------|-----------|--------|------------|-----------|-----------|----------------|--------------|-----------|-------|--------------|------------|------------|------------|
|              | RED-BREASTED | BROWN     | HOUSE  | WINTER     | SEDGE     | MARSH     | GOLDEN-CROWNED | RUBY-CROWNED | BLUE-GRAY |       |              | EASTERN    | BICKNELL'S | SWAINSON'S |
| ALLEGHENY    | >8/14        | >9/24     | >10/27 | >9/18      |           |           | >8/29          | 9/5-11/10    | >9/5      |       | 9/17-10/10   |            | 9/3-10/26  | >9/30      |
| ARMSTRONG    |              |           | >8/27  |            |           |           |                |              | >8/27     |       |              |            |            |            |
| BEAVER       | 10/28>       | 10/28>    | >9/8   |            |           |           |                | 9/8-10/28    | >9/14     |       | 9/14-9/14    |            | >9/29      | >10/28     |
| BEDFORD      |              |           | >8/28  |            |           |           |                | 9/30-10/27   |           |       | 10/23-10/23  |            |            | >10/23     |
| BERKS        |              | 8/30>     | >10/26 | 9/21>      |           |           | 9/25>          | 8/22>        | >9/17     |       | 9/7-10/3     |            | 9/5-10/17  |            |
| BRADFORD     |              |           | >7/26  |            |           |           |                | >12/26       | >7/3      |       | >10/25       |            |            | >7/26      |
| BUCKS        |              | >10/10    | >9/17  | 9/13-11/26 | 9/3-9/5   | 9/10-10/3 | 8/26-8/27      | >10/9        | >10/2     |       | >10/17       | 8/20-10/13 | >8/7       | >7/10      |
| CAMBRIA      |              |           | >9/2   |            |           |           |                | 9/23-10/30   | >10/23    |       | >8/10        |            | >9/27      | >10/20     |
| CENTRE       |              |           | >10/15 |            |           |           |                | 9/23-11/27   |           |       | >9/14        | 10/2-10/2  | >10/13     | >11/14     |
| CHESTER      | 9/5>         | 9/18>     | >11/13 | 10/20>     |           | >10/1     | 9/30>          | 9/23-11/26   | >9/10     |       | >9/10        |            | 9/10-10/16 | 11/13>     |
| CLARION      |              |           | >9/12  |            |           |           |                | 10/2-10/30   | >9/12     |       | >9/25        | 9/15-10/15 | 9/10-10/3  | >11/1      |
| CLEARFIELD   |              |           |        |            |           |           |                |              |           |       |              |            |            |            |
| CLINTON      |              |           | >10/2  |            |           |           |                | 10/20-10/20  |           |       |              |            |            |            |
| DAUPHIN      |              |           | >10/10 |            |           | >8/23     | 9/28>          | 10/11>       |           |       | >9/27        | 9/19-10/4  | 9/25>      | 9/19-9/27  |
| DELAWARE     | 9/5>         | 10/29>    | >10/20 | 11/4>      |           | >9/4      | 9/21>          | 9/12>        | >9/1      |       | >9/5         |            |            | 10/1>      |
| FOREST       |              |           |        |            |           |           |                | 8/8>         | >7/13     |       | >9/23        | >9/19      | >9/23      | >9/23      |
| FRANKLIN     |              |           | >12/17 |            |           |           |                | 10/20-12/17  |           |       |              |            |            |            |
| GREENE       | 8/27>        |           |        |            |           |           | 11/21>         |              |           |       |              |            |            |            |
| INDIANA      |              |           | >9/25  | 10/4-10/27 | 8/26-8/27 |           |                | 9/23-11/8    | >9/9      |       | >9/11        | 9/25-9/25  | >10/9      | >12/1      |
| JUNIATA      |              |           | >10/27 |            |           |           |                | >11/20       |           |       |              |            |            | >12/17     |
| LANCASTER    |              | 9/4>      |        | >9/24      | 9/25>     |           | 9/25-9/25      | 9/24>        | 8/27>     | >9/24 | >9/21        | 9/21-10/9  |            | 9/5-11/19  |
| LEBANON      |              |           | >9/25  |            |           |           |                | 9/24>        | >9/11     |       | >9/11        |            | >10/18     |            |
| MCKEAN       |              |           | >9/18  |            |           |           |                | 9/18-10/10   | >9/3      |       | >8/21        |            |            | >11/28     |
| MERCER       | >11/6        | 10/1-12/9 | >9/24  | 9/28-10/23 |           |           | >10/16         | 9/18-10/16   | >8/25     |       |              | 9/24-10/2  | >10/2      | 7/1>       |
| MONTOUR      |              |           |        |            |           |           |                |              |           |       |              |            |            |            |
| PHILADELPHIA | 8/25>        | 11/1>     | >10/30 | 10/11>     |           | >10/27    | 10/17>         | 10/17>       | >10/30    |       | >10/2        |            | 10/20>     | 10/21>     |
| PIKE         |              |           |        |            |           |           | 9/24>          | 8/21-9/24    | >8/30     |       |              |            |            |            |
| SCHUYLKILL   |              |           | >10/1  | 10/9>      |           |           |                | 8/22-11/11   | >9/17     |       | >9/1         | 9/18-9/25  | 9/10-10/17 |            |
| SOMERSET     |              |           | >10/14 | 9/29-10/13 |           |           |                | 9/22-10/26   |           |       | >9/8         | 9/8-10/3   | 9/8-10/3   | >11/30     |
| VENANGO      | 8/27-11/16   | 9/7-11/20 | >10/16 | 9/20-11/7  |           | 10/19>    | 10/10>         | 9/13-11/2    | >9/7      |       | >9/8         |            | 9/7-10/2   | >11/30     |
| WASHINGTON   | 9/11>        |           | >10/1  | 10/1>      |           |           |                | 10/1-10/2    |           |       | >9/24        | 9/24-10/9  | 9/24-9/24  | >10/9      |
| WYOMING      |              |           | >10/5  |            |           | >9/3      |                | 9/27-9/30    | >9/22     |       | >8/2         | 9/10-9/10  | >10/4      | >9/30      |

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### FALL MIGRATION TABLES - 2005

|              | THRUSH   | ROBIN      | CATBIRD | THRASHER | PIPIT       | WAXWING   | WARBLER     |               |            |                |             | PARULA    | WARBLER     |                |            |
|--------------|----------|------------|---------|----------|-------------|-----------|-------------|---------------|------------|----------------|-------------|-----------|-------------|----------------|------------|
|              | WOOD     | AMERICAN   | GRAY    | BROWN    | AMERICAN    | CEDAR     | BLUE-WINGED | GOLDEN-WINGED | TENNESSEE  | ORANGE-CROWNED | NASHVILLE   | NORTHERN  | YELLOW      | CHESTNUT-SIDED | MAGNOLIA   |
| ALLEGHENY    | >10/9    |            | >11/12  | >10/15   |             |           | >9/17       | 9/10-9/10     | 9/10-10/19 | 9/13-10/16     | 9/2-10/31   | 9/4-10/3  | >8/15       | 8/15-10/1      | 9/2-10/16  |
| ARMSTRONG    | >8/4     |            | >8/27   |          | 11/21-11/21 |           | >8/27       |               |            |                | >8/27       |           |             | >8/27          | >8/27      |
| BEAVER       | >9/8     |            | >10/16  |          | 10/21-11/26 |           | >9/8        |               | 9/14-9/14  |                | >9/8        | >9/8      |             |                | >9/30      |
| BEDFORD      | >10/23   |            | >10/2   | >9/15    | 12/17-12/18 |           | >8/28       | >8/28         | 9/13-9/13  |                | >10/1       | >9/15     | >8/28       | >9/5           | >9/30      |
| BERKS        | >10/3    |            | >10/26  | >10/1    | 9/3-11/19   |           | >9/10       |               | 8/23-10/1  | 9/5-10/10      | 8/26-10/20  | 8/21-10/6 | >9/8        | >10/2          | 8/18-10/11 |
| BRADFORD     | >9/18    |            | >10/13  | >8/17    |             |           |             |               |            |                | >9/27       | >9/27     | >7/9        | >8/29          | >10/5      |
| BUCKS        | 9/3-9/21 | 8/22-10/19 | >12/17  | >9/6     | 8/24-9/17   | 8/16-9/20 | >9/4        |               | >10/1      |                | 10/13>      | >12/13    | 12/23-12/23 |                | 10/20-11/3 |
| CAMBRIA      | >10/2    |            | >10/18  | >8/3     |             |           |             |               |            |                | >9/13       | >8/3      | >8/20       | >9/12          | >8/20      |
| CENTRE       | >9/14    |            | >10/22  | >10/4    | 10/8-10/13  |           | >9/9        | >9/14         | 9/1-10/16  | 9/19-9/19      | >10/12      | >9/12     | >8/7        | >10/1          | >10/10     |
| CHESTER      | >10/2    |            | >11/18  | >11/14   | 10/8-11/5   |           |             |               |            | 10/22-10/24    | 9/8-9/26    | >10/1     | >9/17       | >9/22          | 9/5-10/12  |
| CLARION      | >9/18    |            | >10/15  | >10/9    | >11/15      |           | >9/14       |               |            |                | 8/31-10/2   | >9/14     | >8/11       | >9/10          | >9/12      |
| CLEARFIELD   |          |            |         |          |             |           |             |               |            |                |             |           |             |                |            |
| CLINTON      | >9/6     |            | >12/17  | >9/30    | 12/3>       |           |             |               | 9/20-9/20  |                | >9/21       |           |             |                | >9/20      |
| DAUPHIN      | >9/27    |            | >12/17  |          | 8/30-11/5   |           |             |               |            |                | 10/11-10/14 | >10/19    | >10/9       | >8/25          | >9/17      |
| DELAWARE     | >9/15    |            |         |          | 10/15-11/10 |           | >9/21       |               | 9/19-10/9  | 10/9-10/29     | 9/21-10/16  | >9/21     | >9/1        | >9/21          | 9/3-9/26   |
| FOREST       | >8/8     |            |         | >7/22    |             |           | >9/15       | >9/15         | >9/23      |                | >9/15       | >7/18     | >8/11       | >9/15          | >10/4      |
| FRANKLIN     |          |            | >10/6   | >10/28   | >10/21      |           |             |               |            |                |             | >9/28     |             |                | >9/28      |
| GREENE       |          |            |         | >10/4    |             |           |             |               |            |                | >9/29       |           |             |                |            |
| INDIANA      | >9/27    |            | >10/11  | >11/15   | 9/3-11/8    |           | >7/26       |               | 9/10-9/23  |                | 9/10-10/3   | >7/12     | >9/6        | >9/27          | >10/9      |
| JUNIATA      | >10/3    |            | >12/17  | >9/22    | >11/2       |           |             |               | >10/1      |                | >9/22       |           |             |                | >9/22      |
| LANCASTER    | 10/1>    | >9/25      |         | >11/2    | >11/20      | 9/6>      |             | >8/22         | >8/22      | 8/27-10/9      | 9/3-9/3     | 9/3-9/18  | >9/14       | >9/14          | >9/14      |
| LEBANON      | >9/25    |            |         | >12/4    | 10/1>       |           | >9/4        |               | 9/4-9/18   | 9/3>           | >9/24       | >9/11     | >10/14      | >10/13         | >9/25      |
| MCKEAN       | >8/16    |            | >9/18   |          |             |           |             |               | 9/3-9/18   | 10/22>         |             |           | >8/16       |                | >9/18      |
| MERCER       | >10/15   |            | >10/16  | >9/24    | >10/13      |           | >8/25       |               | >9/18      |                | 9/18-10/2   | 9/18-10/2 | >8/25       | >9/26          | >10/2      |
| MONTOUR      |          |            |         |          |             |           |             |               |            |                |             |           |             |                |            |
| PHILADELPHIA | >10/2    |            |         |          |             |           |             |               |            |                | 10/20-10/30 | 9/4-10/30 | >9/27       | 8/17-10/29     | 9/1-10/30  |
| PIKE         |          |            | >10/9   |          |             |           |             |               | 8/12-9/12  |                | >10/1       | >9/21     | >8/9        | >9/12          | >9/25      |
| SCHUYLKILL   | >9/18    |            | >10/10  | >9/15    | 9/17-11/19  |           | >9/2        |               | 8/26-10/1  | 9/21-9/21      | 8/28-10/20  | >10/6     | >9/8        | >10/2          | >10/2      |
| SOMERSET     | >10/4    |            | >10/19  | >10/17   | 10/23-10/27 |           |             |               | 9/9-10/2   |                | >10/27      |           |             | >9/27          | >10/2      |
| VENANGO      | >10/10   |            | >10/13  | >9/16    | 9/26-11/25  |           | >9/13       |               | 8/25-10/8  | 10/23-11/2     | 8/26-9/25   | 9/12>     | >8/4        | >9/27          | >9/27      |
| WASHINGTON   | >10/1    |            |         |          |             |           |             |               | 9/24-9/24  |                | >10/2       | >9/24     |             | >9/24          | >10/2      |
| WYOMING      | >10/4    |            | >10/21  | >7/14    | 10/4-10/29  |           |             |               |            | 10/1-10/4      |             |           | >7/25       | >10/6          |            |

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|              | WARBLER    |                        |                   |                             |              |                     |           |         |            |                  |             |             |                     | REDSTART<br>AMERICAN | WARBLER<br>PROTHONOTARY |
|--------------|------------|------------------------|-------------------|-----------------------------|--------------|---------------------|-----------|---------|------------|------------------|-------------|-------------|---------------------|----------------------|-------------------------|
|              | CAPE MAY   | BLACK-THROATED<br>BLUE | YELLOW-<br>RUMPED | BLACK-<br>THROATED<br>GREEN | BLACKBURNIAN | YELLOW-<br>THROATED | PINE      | PRAIRIE | PALM       | BAY-<br>BREASTED | BLACKPOLL   | CERULEAN    | BLACK-AND-<br>WHITE |                      |                         |
| ALLEGHENY    | 9/18-10/14 | 9/5-10/17              | >9/3              | 9/3-10/21                   | 9/3-10/3     | >10/9               | 9/7-10/5  | >8/7    | 9/5-10/19  | 9/10-10/2        | 9/3-10/27   | >9/10       | >10/9               | >10/9                |                         |
| ARMSTRONG    |            |                        |                   | >8/27                       | >8/27        |                     |           |         |            |                  |             |             | >8/27               | >8/27                |                         |
| BEAVER       | 9/29-9/29  | >9/14                  | >10/28            | >9/29                       | >9/8         |                     |           |         | 10/8-10/9  | 9/14-9/14        | >9/14       |             | >9/8                | >9/8                 |                         |
| BEDFORD      | 9/7-9/30   | >9/30                  | >12/18            | >9/15                       |              |                     |           | >12/17  | >9/30      | 8/23-8/23        | >8/22       | >9/1        | >10/10              |                      |                         |
| BERKS        | 8/30-10/1  | 8/24-10/12             | 8/30>             | 8/26-10/18                  | 8/20-10/2    |                     |           | >10/2   | >9/19      | 9/3-10/11        | 8/25-9/20   |             | >10/2               | >10/12               |                         |
| BRADFORD     |            |                        | >10/17            | >7/19                       |              |                     |           | >7/6    |            |                  |             |             | >7/5                |                      |                         |
| BUCKS        |            | >7/19                  |                   | 9/27-9/27                   | 10/31>       | 9/26-11/13          |           | 9/24>   | 10/1>      | 9/30>            | 11/23-11/23 | 10/23-12/12 | >10/21              | >8/5                 | >11/22                  |
| CAMBRIA      |            | >10/6                  | >11/19            | >9/30                       | >9/15        |                     | >9/1      |         | 9/11-10/9  |                  |             |             | >9/2                | >9/15                |                         |
| CENTRE       | 9/7-10/13  | >10/1                  | >10/27            | >10/2                       | >9/28        | >10/2               |           |         | 9/29-10/15 |                  | >10/9       | >8/12       | >9/17               | >10/2                |                         |
| CHESTER      | 9/3-10/19  | 9/5-10/20              | 9/11>             | 9/5-10/19                   | 9/10-10/4    |                     | >9/23     |         | 9/12-11/5  | 9/25-9/25        | 9/8-9/28    |             | >10/4               | >10/3                |                         |
| CLARION      | 9/5-10/15  | >9/17                  | >11/7             | >10/15                      |              |                     |           | >8/31   | 9/18-10/10 |                  | >10/15      |             |                     | >9/10                |                         |
| CLEARFIELD   |            |                        |                   |                             |              |                     |           |         |            |                  |             |             |                     |                      |                         |
| CLINTON      | 9/29-9/29  | >9/19                  | >10/18            | >9/27                       |              |                     | >9/20     |         |            |                  |             |             |                     | >9/17                |                         |
| DAUPHIN      | 9/1-10/21  | >10/9                  | 8/23>             | >10/11                      | >9/28        |                     |           |         |            |                  | >9/5        |             | >10/19              | >9/17                |                         |
| DELAWARE     | 8/24-10/9  | 8/25-10/2              | 9/25>             | 9/3-11/5                    | 9/3-9/21     |                     | 9/3-9/19  | >9/15   | 9/15-10/23 | 8/25>            | 9/3-10/23   |             | 9/3-10/1            | >9/25                |                         |
| FOREST       |            | >9/23                  | >10/4             | >10/4                       | >7/15        |                     |           |         |            |                  | >9/23       |             |                     | >8/8                 |                         |
| FRANKLIN     | >9/28      | >9/28                  | >12/17            | >9/28                       |              | >9/28               |           |         | >10/19     |                  | >9/28       |             |                     |                      |                         |
| GREENE       | >10/5      |                        | 9/18>             |                             |              | >9/11               |           |         |            |                  |             |             | >10/8               |                      |                         |
| INDIANA      | 9/15-10/4  | 9/24-10/15             | 9/6-11/19         | >10/9                       | >9/15        |                     | >11/1     | >8/15   | 9/1-9/23   | 9/6-9/20         | 9/7-10/9    | >8/4        | >9/20               | >9/27                |                         |
| JUNIATA      | 9/25-10/1  |                        | >12/17            | >9/25                       |              |                     | >9/25     | >9/11   | >10/29     |                  | >9/22       |             |                     | >9/11                |                         |
| LANCASTER    | 8/27-10/18 | 9/3-9/3                | 9/3-9/14          | 9/14>                       | 8/21-10/5    | 8/27-9/18           |           |         |            | 9/28>            | 9/18-9/30   |             |                     | >9/28                | >9/25                   |
| LEBANON      | 9/11-10/25 | >10/2                  |                   | >11/12                      | >9/18        |                     |           | >7/10   | 9/4>       | 9/18>            | 9/10-9/14   |             | >9/24               | >9/25                |                         |
| MCKEAN       | >9/18      |                        | >10/22            | >10/10                      | >9/18        |                     |           |         | 9/18-10/10 | 9/3-9/18         | >9/18       |             | >9/18               | >9/18                |                         |
| MERCER       | 9/23-10/1  | 9/18-10/2              | 9/18-11/30        | >10/2                       | >9/24        |                     |           |         | 9/24-10/4  | >9/18            | 9/18-10/2   |             | >9/24               | >10/2                |                         |
| MONTOUR      |            |                        | >9/17             |                             |              |                     |           |         |            |                  |             |             |                     | >9/17                |                         |
| PHILADELPHIA |            | 9/24-10/20             | 10/2>             | 9/1-10/23                   |              |                     | 8/24-11/5 | 9/18>   | 9/11-11/5  | 9/18>            | 9/18-10/23  |             | 8/17-10/15          | >10/8                |                         |
| PIKE         | >9/19      | >9/25                  | 8/23>             | >10/1                       | >8/26        |                     | >10/9     | >8/30   | >9/25      | >9/12            | >9/8        | >8/26       | >9/12               | >9/12                |                         |
| SCHUYLKILL   | 8/30-10/1  | >10/12                 | >11/6             | >10/18                      | >10/2        |                     | >11/20    | >8/26   | 9/3-10/29  | 9/2-9/25         | 9/7-10/6    |             | >10/2               | >9/23                |                         |
| SOMERSET     | 9/2-10/13  | >10/20                 | 9/30-10/18        | >10/13                      | >9/19        |                     |           |         | 10/6-10/23 | 8/30-9/20        | 9/20-10/4   |             | >9/23               | >9/27                |                         |
| VENANGO      | 9/5-9/19   | >10/7                  | 8/21-10/23        | >10/7                       | >9/19        |                     |           | 8/27>   | 9/8-10/13  | 8/31-9/20        | 9/1-10/17   | 9/20>       | >9/13               | >9/16                |                         |
| WASHINGTON   |            |                        | >10/1             | >10/2                       | >9/11        |                     |           |         | 10/2-10/2  | 9/11-9/24        | >10/1       |             | >9/24               | >9/11                |                         |
| WYOMING      | 9/23-9/23  | >10/4                  | >10/21            | >7/20                       | >8/12        |                     |           | >7/12   | 9/27-9/30  | 10/1-10/1        | >10/1       |             | >9/30               | >8/18                |                         |

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### FALL MIGRATION TABLES - 2005

|              | WARBLER     |          | WATERTHRUSH |           | WARBLER  |             | YELLOWTHROAT | WARBLER   |            |           | CHAT      | TANAGER        |        | TOWHEE  |         |
|--------------|-------------|----------|-------------|-----------|----------|-------------|--------------|-----------|------------|-----------|-----------|----------------|--------|---------|---------|
|              | WORM-EATING | OVENBIRD | NORTHERN    | LOUISIANA | KENTUCKY | CONNECTICUT | MOURNING     | COMMON    | HOODED     | WILSON'S  | CANADA    | YELLOW-BREADED | SUMMER | SCARLET | EASTERN |
| ALLEGHENY    |             | >10/5    | 8/18-9/18   |           |          |             | 9/3-9/18     | >11/3     | >10/9      | 9/2-9/30  | 9/11-9/24 |                |        | >10/9   | >11/23  |
| ARMSTRONG    |             | >8/27    |             | >8/27     | >8/27    |             |              | >8/27     | >8/27      |           | >8/27     |                |        | >8/27   |         |
| BEAVER       |             |          |             |           |          |             |              | >10/16    | >9/8       |           | >9/8      |                |        | >9/8    | >11/11  |
| BEDFORD      |             | >9/10    |             |           |          |             | >9/12        | >12/18    |            |           |           | >9/14          |        | >9/5    | >10/1   |
| BERKS        | >8/20       | >9/21    | 7/25-9/5    | >8/1      | >9/3     | 9/5-10/19   | 8/3-9/16     | >11/19    | >9/4       | 8/24-9/25 | >9/22     |                |        | >10/7   |         |
| BRADFORD     |             | >12/8    |             |           |          |             | >9/1         | >9/27     |            |           | >9/1      |                |        | >8/17   | >10/14  |
| BUCKS        | 12/15-12/17 | >9/27    |             |           |          | 9/30-12/17  |              |           |            | >8/7      | >9/4      |                | 9/10>  |         |         |
| CAMBRIA      |             | >8/20    |             |           |          |             |              | >9/20     | >8/22      | 8/22-9/3  | >8/25     | >7/1           |        | >9/22   | >10/28  |
| CENTRE       | >9/9        | >9/14    | >8/13       |           |          | 9/6-9/18    | >9/23        | >10/15    | >8/18      | 9/2-9/2   | >9/18     | >8/28          |        | >9/19   | >10/28  |
| CHESTER      |             | >9/10    |             |           |          | 9/20-10/10  | 9/6-9/6      | >10/12    |            |           | 9/5-9/21  |                |        | >9/22   | >11/13  |
| CLARION      |             | >9/11    |             |           |          |             |              | >10/15    | >9/8       |           | >9/3      |                |        | >9/14   |         |
| CLEARFIELD   |             |          |             |           |          |             |              |           |            |           |           |                |        |         |         |
| CLINTON      | >10/28      |          |             |           |          | 9/16-9/16   |              |           |            |           |           |                |        | >9/13   | >12/17  |
| DAUPHIN      |             | >9/18    | >9/25       |           |          |             | >8/31        | >10/9     |            | 8/27-9/8  |           |                |        | >9/28   | 7/1>    |
| DELAWARE     | >9/3        | >9/1     | 9/4-10/1    | >8/15     | >8/15    | 9/19>       | 9/3>         | >10/1     | >9/1       | 9/19>     | 8/24-9/19 |                |        | >9/30   |         |
| FOREST       |             | >10/4    | >7/29       | >7/8      |          |             | >8/9         | >10/5     | >9/23      | >9/15     | >7/2      |                |        | >8/11   | >9/22   |
| FRANKLIN     |             |          | >12/17      |           |          |             |              |           |            |           |           |                |        |         | >12/17  |
| GREENE       |             | >9/18    |             |           |          |             |              |           |            |           |           |                |        | >9/10   |         |
| INDIANA      |             | >9/23    |             | >9/2      | >7/15    | 10/3-10/4   |              | >10/6     | >10/4      |           |           | >7/12          |        | >10/1   | >11/25  |
| JUNIATA      |             |          |             |           |          |             |              | >9/22     |            |           |           |                |        | >9/22   | >12/17  |
| LANCASTER    | >7/21       |          | >9/18       | 8/27-8/27 |          | >9/3        | 9/11-9/11    | 8/27-8/27 | >10/5      | >9/11     | 9/3-9/3   | 8/27-9/14      | >8/27  |         | >9/25   |
| LEBANON      | >8/28       | >9/18    |             | >7/10     | >9/3     | 9/11-9/17   |              | >10/12    | >9/17      | 9/3>      | >9/5      | >8/27          |        | >10/2   |         |
| MCKEAN       |             | >9/18    | >7/19       | >7/19     |          |             | >9/3         | >9/18     | >9/18      | 9/18>     | >9/18     |                |        | >9/18   | >10/22  |
| MERCER       |             | >10/2    |             |           |          | >9/24       |              | >10/2     | >10/2      | 9/18-9/24 |           |                |        | >10/2   | 7/1>    |
| MONTOUR      |             |          |             |           |          |             |              |           |            |           |           |                |        | >9/17   |         |
| PHILADELPHIA | 8/24-8/25   | >11/26   | 8/17-9/27   |           |          |             |              | >10/31    | 10/5-10/14 | 9/18-9/24 | 9/14>     | >10/9          |        | >8/31   |         |
| PIKE         |             | >8/26    |             | >8/26     |          | 9/8-9/8     |              | >9/20     |            |           | >9/14     |                |        | >10/1   |         |
| SCHUYLKILL   | >9/13       | >9/21    |             |           |          | 9/10-9/10   |              | >10/14    | >9/18      | 9/4-9/19  | >9/21     |                |        | >10/5   | >11/16  |
| SOMERSET     | >9/6        | >10/6    |             |           |          | 9/15>       |              | >10/18    | >9/22      | 9/20>     |           |                |        | >10/4   | >10/26  |
| VENANGO      |             | >10/9    |             | 9/20>     |          |             | 8/28>        | >10/7     | >10/2      | 8/27-9/28 | 9/20>     |                |        | >10/7   | >10/31  |
| WASHINGTON   |             | >9/11    | >9/24       |           |          |             |              | >10/2     | >9/24      | 9/24-9/24 | >9/11     |                |        | >9/11   |         |
| WYOMING      | >7/14       | >7/25    |             | >7/13     |          | 9/10-9/30   | >7/9         | >9/10     | >9/23      |           | >7/14     |                |        | >10/1   | >10/4   |

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### FALL MIGRATION TABLES - 2005

|              | SPARROW          |          |                  |        |             |             |             |           |                          |             |             |             |                    |                   | JUNCO<br>DARK-EYED |
|--------------|------------------|----------|------------------|--------|-------------|-------------|-------------|-----------|--------------------------|-------------|-------------|-------------|--------------------|-------------------|--------------------|
|              | AMERICAN<br>TREE | CHIPPING | CLAY-<br>COLORED | FIELD  | VESPER      | SAVANNAH    | GRASSHOPPER | HENSLow'S | NELSON'S<br>SHARP-TAILED | FOX         | LINCOLN'S   | SWAMP       | WHITE-<br>THROATED | WHITE-<br>CROWNED |                    |
| ALLEGHENY    | >11/25           | >11/26   |                  | >12/9  | >10/23      | >10/23      | >9/28       | >9/19     | 9/27-9/28                | 10/29-11/28 | 9/14-10/29  | >11/27      | >9/18              | 10/5>             | 9/28>              |
| ARMSTRONG    |                  |          |                  |        |             |             |             |           |                          | 11/21-11/21 |             |             |                    |                   | 10/23>             |
| BEAVER       | 11/11>           | >10/28   |                  | >10/28 |             | >10/5       |             |           |                          | 10/29>      | 10/1-10/23  |             | 10/23>             | 10/22>            | 10/28>             |
| BEDFORD      | 11/1>            | >10/5    |                  |        |             |             | >8/28       |           |                          | 10/15>      | 9/26-9/29   |             |                    | 10/15>            |                    |
| BERKS        | 11/26>           | >11/29   |                  |        |             |             |             |           |                          | 10/24>      | 9/11-9/20   |             | 9/7>               | 10/5>             | 9/11>              |
| BRADFORD     | 11/13>           | >7/8     |                  |        |             |             | >7/8        | >7/7      |                          | 10/31>      | >10/24      |             |                    | 10/31>            |                    |
| BUCKS        |                  | 10/29>   |                  |        |             |             |             |           |                          |             |             |             |                    |                   |                    |
| CAMBRIA      | 10/28>           | >10/20   |                  |        |             |             | >9/16       | >10/20    |                          | 10/17>      |             |             |                    | 10/10>            |                    |
| CENTRE       | 11/27>           | >10/24   |                  |        |             | >10/2       |             |           |                          | 10/24>      | 9/28-10/14  |             |                    | 10/14>            |                    |
| CHESTER      | 11/14>           | >10/26   | 10/10-10/10      |        |             | >11/26      |             |           |                          | 11/2>       | 9/12-11/3   | >11/13      | 9/19>              | 10/5>             | 10/2>              |
| CLARION      | 11/12>           | >12/8    |                  | >11/12 |             |             | >8/5        | >8/5      |                          | 10/31>      | 10/3-10/15  | >11/20      | 10/6>              |                   |                    |
| CLEARFIELD   | 11/24>           |          |                  |        |             |             |             |           |                          |             |             |             |                    |                   |                    |
| CLINTON      | 10/12>           | >10/18   |                  |        |             |             |             |           |                          | 11/6>       | 9/21-9/21   |             |                    | 10/18>            |                    |
| DAUPHIN      | 11/19>           | >10/9    |                  |        |             |             |             |           | 10/24>                   | 10/30>      |             |             | 9/27>              | 11/21>            | 10/9>              |
| DELAWARE     |                  | >10/31   |                  |        | 10/15-10/31 | 10/20-10/31 |             |           |                          | 10/28>      | 10/3-10/20  |             | 9/24>              | 10/23>            | 9/25>              |
| FOREST       | 11/21>           | >9/23    |                  |        |             |             | >7/19       |           |                          | 11/4>       | >9/22       |             | 11/2>              |                   |                    |
| FRANKLIN     | 12/1>            | >10/25   |                  |        |             |             | >7/30       |           |                          | 10/19>      |             |             |                    | 10/19>            |                    |
| GREENE       |                  | >12/17   |                  |        |             |             |             |           |                          | 11/15>      |             |             | 10/15>             | 10/16>            | 10/14>             |
| INDIANA      | 11/8>            | >11/12   |                  |        | >7/29       | >8/4        | >7/31       |           |                          | 11/8-12/6   | 9/29-9/29   |             | 9/28>              | 11/1-12/3         | 9/23>              |
| JUNIATA      | 12/14>           | >10/9    |                  |        |             |             |             |           |                          | 11/12>      | 10/9>       |             |                    | 10/26>            |                    |
| LANCASTER    |                  | 11/25>   | >10/30           |        |             |             |             | >8/22     |                          | 9/25-10/5   | 10/29>      | 10/19-10/19 |                    | 9/3>              | 10/19>             |
| LEBANON      | 11/11>           | >10/2    |                  |        |             |             |             |           |                          | 11/6>       |             |             | 10/2>              |                   |                    |
| MCKEAN       | 10/22>           | >10/30   | 10/30-11/1       |        |             |             |             |           |                          | 10/10>      | 9/18-10/10  |             |                    | 10/10>            |                    |
| MERCER       | 10/21>           | >10/2    |                  | >10/16 |             | >10/2       |             |           |                          | 11/12-11/15 | 9/18-10/2   |             | 9/18>              | 10/16>            | 10/12>             |
| MONTOUR      |                  |          |                  |        |             |             |             |           |                          | 11/17>      |             |             | 9/18>              |                   |                    |
| PHILADELPHIA | 12/15>           | >10/16   | 10/17>           |        |             | 10/17>      |             |           |                          | 11/5>       | 9/28-11/20  |             | 9/25>              | 10/17-10/20       | 9/24>              |
| PIKE         | 11/16>           |          |                  |        |             |             |             |           |                          | 10/22>      | 9/21>       |             | 9/21>              | 10/18>            | 10/1>              |
| SCHUYLKILL   | 11/11>           | >11/6    |                  |        |             |             |             |           |                          | 10/23-11/27 | 10/23-10/23 |             | 9/5>               | 10/29>            |                    |
| SOMERSET     | 11/12>           | >11/14   |                  | >10/27 |             | >10/27      |             |           |                          | 10/23>      | 9/13-10/20  | >10/27      | 10/2>              | 10/13-12/6        | 10/1>              |
| VENANGO      | 11/10>           | >10/28   |                  | >11/27 |             | >10/23      |             |           |                          | 11/9>       | 9/19-10/10  | >11/11      | 9/21>              | 9/27-10/30        | 9/21>              |
| WASHINGTON   |                  | >10/1    |                  | >10/2  |             |             |             |           |                          |             | 9/24-9/24   |             | 9/24>              |                   |                    |
| WYOMING      | >11/26           | >10/5    |                  | >10/5  | >8/2        | >8/2        |             |           |                          | 10/14-10/14 |             | >8/12       | >9/27              | 9/22-9/22         |                    |

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|              | LONGSPUR  | B UNTING    | GROSBEAK     | BLUE      | B UNTING | DICKCISSEL  | BOBOLINK  | BLACKBIRD  | MEADOWLARK | BLACKBIRD     | RUSTY       | BREWER'S    | GRACKLE | COWBIRD      | ORIOLE  |
|--------------|-----------|-------------|--------------|-----------|----------|-------------|-----------|------------|------------|---------------|-------------|-------------|---------|--------------|---------|
|              | LAPLAND   | SNOW        | ROSE-BREADED |           | INDIGO   |             |           | RED-WINGED | EASTERN    | YELLOW-HEADED |             |             | COMMON  | BROWN-HEADED | ORCHARD |
| ALLEGHENY    |           |             | >10/14       |           | >10/9    | 10/23-10/23 |           | >12/9      | >11/14     |               | 11/10-11/10 | 12/8-12/8   | >12/10  | >12/10       |         |
| ARMSTRONG    |           |             | >8/4         |           | >8/4     |             |           |            |            |               |             |             |         |              |         |
| BEAVER       |           |             |              |           | >9/30    |             |           | >9/29      |            |               |             |             |         |              |         |
| BEDFORD      |           | 10/28>      | >9/20        |           | >8/30    |             | >8/20     | >12/17     |            |               | 10/26-10/27 |             |         |              | >8/10   |
| BERKS        |           | 11/1-11/17  | >10/11       | 8/20-10/2 | >11/3    | 11/3-11/3   | >9/6      |            |            |               | 10/9-12/4   | 11/9-11/9   |         |              | >8/5    |
| BRADFORD     |           |             | >7/9         |           | >8/12    |             | >8/11     | >10/24     |            |               | >12/26      |             |         |              |         |
| BUCKS        |           |             |              |           |          |             |           |            |            |               |             |             |         |              |         |
| CAMBRIA      |           | 11/30>      | >10/1        |           | >8/29    |             | >7/7      | >12/5      |            |               | 10/12-11/25 |             |         |              |         |
| CENTRE       |           | 10/24>      | >9/27        |           | >9/30    |             |           | >11/11     |            |               | 11/5-11/19  |             |         |              |         |
| CHESTER      |           |             | >10/12       | >10/24    | >10/9    | 10/20-10/20 | >9/17     | >11/24     |            |               | 9/24-9/28   |             |         |              | >8/6    |
| CLARION      |           | 12/18>      | >9/14        |           | >10/2    |             | >7/11     |            |            |               |             |             |         | >12/11       | >9/2    |
| CLEARFIELD   |           |             |              |           |          |             |           |            |            |               |             |             |         |              |         |
| CLINTON      | 12/13>    |             | >9/22        |           | >9/13    |             |           | >12/17     |            |               | 10/18-10/18 |             |         |              |         |
| DAUPHIN      |           | 10/20>      | >10/10       | >8/30     | >10/9    | 9/19-9/27   | >9/25     | 7/1>       |            |               | 10/24-11/20 |             |         |              |         |
| DELAWARE     | 11/20>    |             | 9/5-9/30     |           | >9/30    |             | 8/28-10/9 |            |            |               | 11/10-11/24 |             |         |              | >8/31   |
| FOREST       |           |             | >9/23        |           | >9/23    |             |           | >11/2      |            |               |             |             |         |              |         |
| FRANKLIN     |           | 12/17>      | >9/9         |           | >9/2     |             |           | >12/17     |            |               | 10/1-12/17  |             |         |              |         |
| GREENE       |           |             |              |           |          |             |           |            |            |               |             |             | >11/15  |              |         |
| INDIANA      |           |             | >10/4        |           | >9/24    |             | >10/4     | >12/5      | >10/9      |               | 11/3-11/8   |             | >12/7   | >11/27       | >7/17   |
| JUNIATA      |           |             | >9/22        |           | >9/10    |             |           | >12/17     |            |               | >12/18      |             |         |              |         |
| LANCASTER    | 9/24>     |             |              | >9/25     | >9/15    | >10/21      |           | >9/6       |            |               |             | 10/23-11/23 |         |              |         |
| LEBANON      | 12/10>    | 11/18>      | >10/12       | >7/27     | >9/24    | 10/2>       | >10/12    |            |            | 9/29-10/2     | 10/2-10/30  |             |         |              |         |
| MCKEAN       |           |             | >10/10       |           | >9/18    |             | >8/21     | >10/10     |            |               | 10/10-11/11 |             |         |              |         |
| MERCER       |           |             | >10/2        |           | >10/1    |             | >9/20     | >11/19     | >10/16     |               | 10/19-11/19 |             | >11/26  | >11/19       | >8/5    |
| MONTOUR      |           | 12/12>      | >9/18        |           |          |             |           | >11/17     |            |               |             |             |         |              |         |
| PHILADELPHIA |           |             | 9/24-9/28    |           | >8/7     | 10/23>      | 9/3-9/18  |            |            |               | 10/1>       |             |         |              | >8/31   |
| PIKE         |           |             | >9/27        |           | >9/12    |             |           | >11/25     |            |               |             |             | >11/25  |              |         |
| SCHUYLKILL   | 12/4-12/4 | 11/7-12/5   | >9/27        |           | >9/2     |             |           |            | >12/4      |               | 10/14-11/4  |             |         |              |         |
| SOMERSET     |           | 12/18>      | >10/4        |           | >9/27    |             | >10/8     | >12/4      | >10/27     |               | 10/27-12/4  |             |         |              |         |
| VENANGO      |           | 11/24>      | >9/21        |           | >9/27    |             | >8/14     | >11/26     | >11/26     |               | 11/9-11/23  |             | >11/12  | >11/9        |         |
| WASHINGTON   |           |             | >10/9        |           | >10/2    |             | >10/9     | >11/10     |            |               | 11/7-11/7   |             |         |              |         |
| WYOMING      |           | 11/10-11/10 | >9/12        |           | >9/21    | >7/25       | >10/1     | >10/31     | >10/15     |               | 10/13-10/13 |             | >10/29  | >10/13       | >8/7    |

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FALL MIGRATION TABLES - 2005

|              | ORIOLE    | GROSBEAK | FINCH  | CROSSBILL   |              | REDPOLL   | SISKIN      | GROSBEAK    |
|--------------|-----------|----------|--------|-------------|--------------|-----------|-------------|-------------|
|              | BALTIMORE | PINE     | PURPLE | RED         | WHITE-WINGED | COMMON    | PINE        | EVENING     |
| ALLEGHENY    | >9/5      |          |        |             |              |           | 11/6-11/26  |             |
| ARMSTRONG    | >8/27     |          |        |             |              |           |             |             |
| BEAVER       | >9/8      |          |        |             |              |           | 10/22>      |             |
| BEDFORD      | >9/1      |          |        |             |              |           |             |             |
| BERKS        | >9/19     |          | 9/26>  | 10/4-11/20  | 8/25-11/19   | 12/4-12/4 | 7/13>       | 11/8-11/30  |
| BRADFORD     | >8/29     |          |        |             |              | 12/26>    |             |             |
| BUCKS        |           |          |        |             |              |           |             |             |
| CAMBRIA      | >8/22     |          |        |             |              |           |             |             |
| CENTRE       | >8/7      |          |        |             |              |           |             |             |
| CHESTER      | >10/12    |          | 9/30>  |             |              |           | 11/12>      |             |
| CLARION      | >9/5      |          |        |             |              |           | 11/8>       |             |
| CLEARFIELD   |           |          |        |             |              |           |             | 11/6>       |
| CLINTON      | >7/30     |          |        |             |              |           |             | 11/11>      |
| DAUPHIN      |           |          | 9/4>   | 10/27>      |              |           | 10/22>      | 10/29>      |
| DELAWARE     | >8/31     |          | 9/21>  |             |              |           |             |             |
| FOREST       | >8/11     |          |        |             |              |           | 12/3>       | 12/7>       |
| FRANKLIN     |           |          |        |             |              |           |             |             |
| GREENE       |           |          | 10/29> |             |              |           |             |             |
| INDIANA      | >9/2      |          |        |             |              |           | 11/8-11/18  |             |
| JUNIATA      |           |          |        |             |              |           |             |             |
| LANCASTER    |           | ERR      |        | 10/8>       |              |           |             | 10/21>      |
| LEBANON      | >11/24    |          | 9/18>  | 10/27>      |              |           | 9/24>       | 9/18>       |
| MCKEAN       | >8/22     |          |        | 11/28>      |              |           |             |             |
| MERCER       | >9/5      |          |        |             |              |           | 10/15-11/8  |             |
| MONTOUR      |           |          |        |             |              |           |             |             |
| PHILADELPHIA | >8/31     |          | 10/18> |             |              |           |             |             |
| PIKE         | >9/12     |          |        |             | >11/6        |           | 9/27>       |             |
| SCHUYLKILL   | >9/13     |          |        | 11/20-12/10 | 8/25>        | 12/4-12/4 | 10/19-12/18 | 11/8-12/1   |
| SOMERSET     | >8/30     |          |        |             |              |           |             |             |
| VENANGO      | >9/13     |          |        |             |              |           | 9/20-10/10  |             |
| WASHINGTON   |           |          |        |             |              |           |             |             |
| WYOMING      | >8/17     |          |        |             |              |           | 10/31-10/31 | 11/14-11/14 |

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