

**Supplementary material**

1 **Appendix 1**

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3 Figure A1. Regression lines of annual population index for Wilson's warbler from eastern and  
4 western regions, obtained from the Breeding Bird Survey (Sauer et al. 2014). Western population  
5 is shown in black, eastern population is shown in red.

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7 Sauer, J. R., Hines, J. E., Fallon, J., Pardieck, K. L., Ziolkowski, Jr., D. J. and Link, W. A. 2014.

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The North American Breeding Bird Survey, Results and Analysis 1966-2012. Version

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02.19.2014 USGS Patuxent Wildlife Research Center, Laurel, MD.

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BBS annual populaiton index

