



Extended Data Figure 7 | Sensitivity of the results to the choice of CBC survey sites for the analyses. **a**, Global distribution of mean annual changes in abundance across 461 waterbird species between 1990 and 2013, after excluding 41 CBC grid cells that contained neither landscape-scale wetland areas nor local-scale surface water occurrences within 1km of all the survey sites included. **b**, **c**, Estimated coefficients in the multivariate analysis of community-level ($n = 2,038$ grid cells) (**b**) and species-level (on the basis of 293 species) (**c**) changes in abundance, in which 41 CBC grid cells that contained neither landscape-scale wetland areas nor local-scale surface water occurrences within 1km of all the

survey sites were excluded. **d**, Global distribution of mean annual changes in abundance across 461 waterbird species between 1990 and 2013, after excluding eight CBC grid cells in which the proportion of urban areas was over 0.3. **e**, **f**, Estimated coefficients in the multivariate analysis of community-level ($n = 2,071$ grid cells) (**e**) and species-level (on the basis of 293 species) (**f**) changes in abundance, in which eight CBC grid cells with a proportion of urban areas of over 0.3 were excluded. Posterior medians with 95% and 50% (thick lines) credible intervals are shown. Coefficients with 95% credible intervals not overlapping with zero are shown in red.