

**Supplementary material**

## Supplementary Material Appendix 1

**Table A1.** Summary of the data. The total number of pairs counted during our study period per species is shown.

| <b>Species</b>                                | <b>number of pairs</b> |
|-----------------------------------------------|------------------------|
| Northern pintail <i>Anas acuta</i>            | 1715                   |
| Northern shoveler <i>Anas clypeata</i>        | 3154                   |
| Eurasian teal <i>Anas crecca</i>              | 12047                  |
| Eurasian wigeon <i>Anas penelope</i>          | 8013                   |
| Mallard <i>Anas platyrhynchos</i>             | 13525                  |
| Garganey <i>Anas querquedula</i>              | 1159                   |
| Common pochard <i>Aythya ferina</i>           | 4646                   |
| Tufted duck <i>Aythya fuligula</i>            | 9177                   |
| Common goldeneye <i>Bucephala clangula</i>    | 21034                  |
| Coot <i>Fulica atra</i>                       | 10414                  |
| Red-breasted merganser <i>Mergus serrator</i> | 1841                   |
| Goosander <i>Mergus merganser</i>             | 1865                   |
| Black-throated diver <i>Gavia arctica</i>     | 1598                   |
| Great crested grebe <i>Podiceps cristatus</i> | 13174                  |
| Slavonian grebe <i>Podiceps auritus</i>       | 1238                   |
| Red-necked grebe <i>Podiceps grisigena</i>    | 4073                   |
| Whooper swan <i>Cygnus cygnus</i>             | 1404                   |
| <b>All species</b>                            | <b>110077</b>          |

FIGURE A1. Number of wetlands surveyed every year during the study period (1986 – 2015)

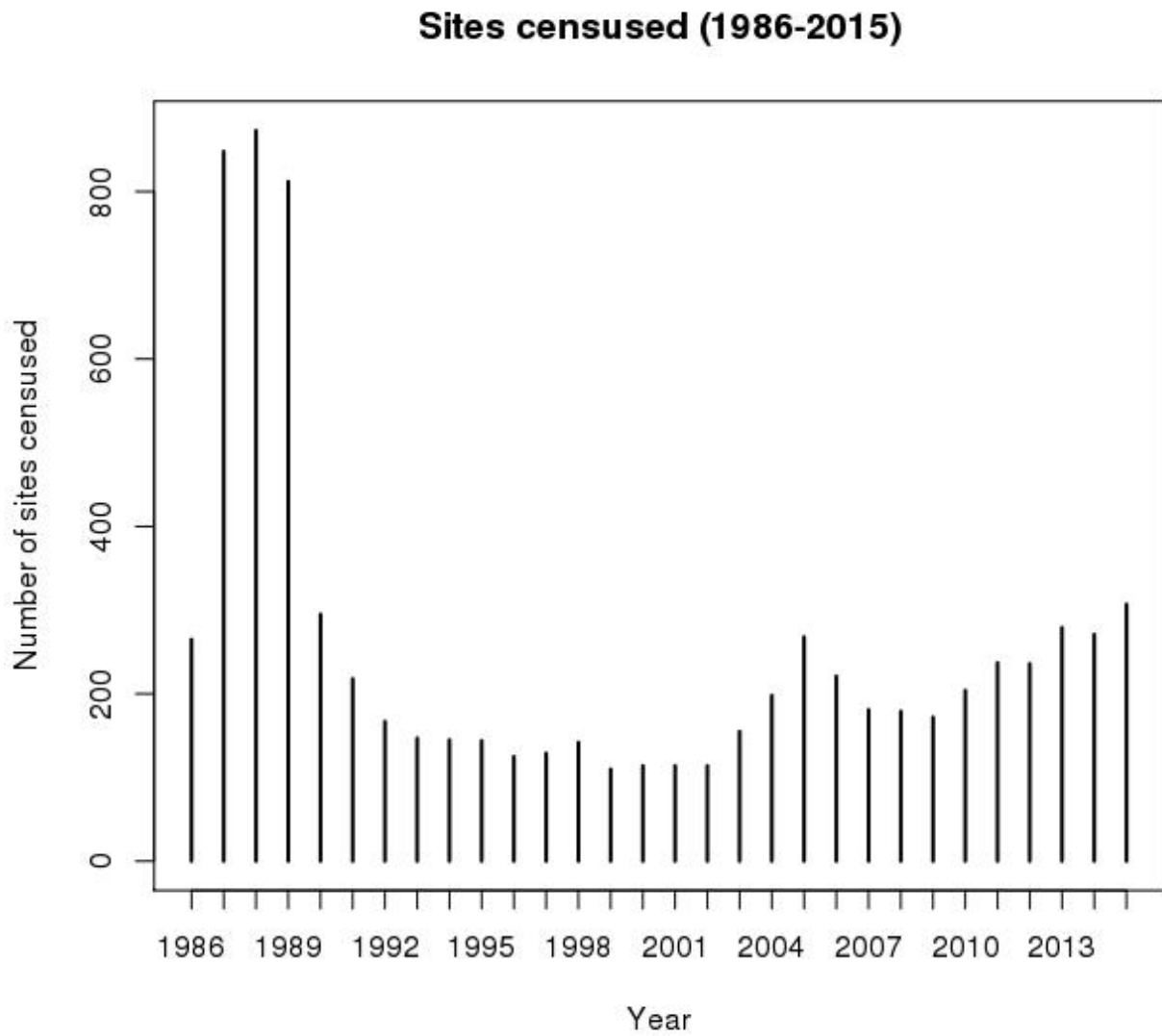


FIGURE A2. Results of the correlogram where spatial correlation is tested. This indicates low spatial autocorrelation in the residuals of the models presented in (eqn. 1; see methods)

