**Supplementary Material**

Population estimates and geographical distributions of swans and geese in East Asia based on counts during the non-breeding season

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2. The 1% criteria for each species in China, Japan and South Korea are listed below.

1. List of key site information in China, Japan and South Korea for six species

These sites qualify on the basis that new flyway population estimates have been calculated to generate new 1% threshold criteria for each of the goose and swan species, and sites which support one or more of these species at or above these numbers are listed above. For Bean Goose, s means *serrirostris* and m means *middendorffii,* 1% thresholds were applied based on WI 2015. Detailed description of data source and procedure can be found in Methods of *Data collection and organization* & *Species distribution map.*

2. The 1% criteria for each species in China, Japan and South Korea are listed below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Whooper Swan | Tundra Swan | Swan Goose | Bean Goose | Greater Whiter-fronted Goose | Lesser White-fronted Goose |
| China | 600 | 1010 | 690 | 1310 | 180 | 265 |
| Japan | 600 | 1010 | 690 | 120 | 1925 | 265 |
| Korea | 600 | 1010 | 690 | 1310 | 850 | 265 |