**Supplementary Material**

The winter distribution of the Spoon-billed Sandpiper *Calidris pygmaeus*

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Figure S1. Marginal response curves for relationship between likelihood of Spoon-billed Sandpiper occurrence and variable.

Figure S2. A spatially referenced (Lat, long, WGS84) .tif file for opening in a GIS with the predicted distribution of the Spoon-billed Sandpiper.



Figure S1. Marginal response curves for relationship between likelihood of Spoon-billed Sandpiper occurrence and variable. B0 is radiance in band 0 of VGT, B2 is reflectance in band 2, B3 band 3 radiance, chloro is chlorophyll from Modis, m2\_for\_model is tide height, NDV is NDVI from VGT and ocean\_band\_26 is distance from coast. Red lines are mean relationship over 10 cross validation runs (blue is SD)

Figure S2. A spatially referenced (Lat, long, WGS84) .tif file for opening in a GIS with the predicted distribution of the Spoon-billed Sandpiper on which Figure 2 is based. A ‘1’ indicates locations predicted to be suitable for Spoon-billed Sandpipers.