

Cooper, N.W., M.A. Thomas, and P.P. Marra. Vertical sexual habitat segregation in a wintering migratory songbird. *Ornithology*.

**File list**

BAWW Body Size.csv  
BAWW Foraging Data.csv  
BAWW Home Range.csv  
BAWW Late-Winter Condition.csv  
BAWW Mass Change.csv  
BAWW Sex Ratio.csv  
BAWW Simulated Territorial Intrusions.csv

**File descriptions**

**BAWW Body Size.csv** – Data for body size analysis comparing male and female structural body size of Black-and-white Warblers. Variables include *Year* of capture, *Habitat* captured in, *Sex* of individual, *Wing* length in mm, *Tarsus* length in mm, and the *PCA* (Wing/Tarsus) scores from a principal components analysis that included wing length and tarsus length.

**BAWW Foraging Data.csv** – Data for foraging location analysis comparing vertical and horizontal foraging position of Black-and-white Warblers. Variables include *Habitat* observations were made in, *Sex* of individual observed, and the number of foraging maneuvers observed within the vertical (*Understory*, *Mid-Canopy*, and *Upper Canopy*) and horizontal (*Inner*, *Middle*, *Outer*) strata. Data used in Figure 1. For vertical positions, we split the forest into 3 equal height categories that were relative to the canopy height at the location of the foraging attempt; understory (including the ground), mid-canopy, canopy. Similarly, the horizontal position was divided into thirds depending on the bird's location on the tree relative to the trunk; inner (including the trunk), middle, and outer (end of branches). Foraging maneuvers that occurred on the ground were not assigned a horizontal location.

**BAWW Home Range.csv** – Data for home range size and overlap analysis comparing home range size and same sex overlap of home ranges in scrub and mangrove habitats of Black-and-white Warblers. Variables include *Habitat* that the home range was estimated in, *Sex* of the individual, *Home Range* size in hectares, *Home Range* size in square meters, and area of *Same Sex Overlap* in meters squared. *Overlap Percentage* is the percentage of home range that was overlapped by the same sex, and *Overlap Proportion* is identical just represented as a proportion.

**BAWW Late-Winter Condition.csv** – Data for late-winter condition analysis comparing body condition between male and female Black-and-white Warblers wintering in scrub and mangrove habitats. Variables include *Habitat* of capture, *Mass* in grams of individual captured during late-winter, *Sex* of individual, *Wing length* measured in mm, *Tarsus* length in mm, *PCA*

*Score* from a principal components analysis of wing and tarsus, and *Body Condition* as estimated by the residuals of a regression of the PCA and Mass. Data used in Figure 3.

***BAWW Mass Change.csv*** – Data for mass change analysis comparing the amount of mass gained or lost by Black-and-white Warblers wintering in scrub and mangrove habitats between mid- and late-winter. Variables include *Habitat* of capture, *Mass Change* from mid to late winter in grams, and *Sex* of individual captured. Data used in Figure 2.

***BAWW Sex Ratio.csv*** – Data for sex ratio analysis between scrub and mangrove habitats. *Variables* include Year of capture, *Habitat* of capture, and *Sex* of individual captured.

***BAWW Simulated Territorial Intrusions.csv*** – Data for analysis of simulated territorial intrusions between male and female Black-and-white Warblers wintering in scrub and mangrove habitats. Variables include *Habitat* of capture, *Sex* of individual tested, and *Resp Score* – the response score (1-4: 1 = no response; 2 = occasional chips and remains in vicinity but always >5 m away; 3 = obviously agitated with few close approaches within 5 m of speaker; 4 = highly agitated with multiple approaches within 2 m of speaker and spends most of playback sequence inside 3 m radius of the speaker.) Intermediate values (1.5, 2.5, and 3.5) were also used when behaviors were intermediate between categories of the simulated territorial intrusion.