**Vocalizing humpback whales (*Megaptera novaeangliae*) migrating from Antarctic feeding grounds arrive earlier and earlier in the Perth Canyon, Western Australia**

C. Gosby et al.

Supplementary Material

## 

**Figure S1**. Population estimates of the BSD humpback whales correlated against year. Years 2000, 2001 and 2006-08 were derived from the aerial surveys by Salgado Kent et al. (2012).



**Figure S2.** Correlation plot of POC Mean against Chl-*a­* Mean (n = 1798). A fitted trendline shows the R2 value and the linear equation of the line.



**Figure S3.** Correlation plot of POC SD against Chl-*a* SD (n = 1798). A fitted trendline shows the R2 value and the linear equation of the line.



**Figure S4.** Scatterplot of SST correlated against Week of Year (n = 1798), with a fitted sinusoidal trendline (red) and a linear trendline (blue). Also given are the sinusoidal equation of the line and R2 value.



**Figure S5.** Normal probability plot of residuals for the Perth Canyon GLM.