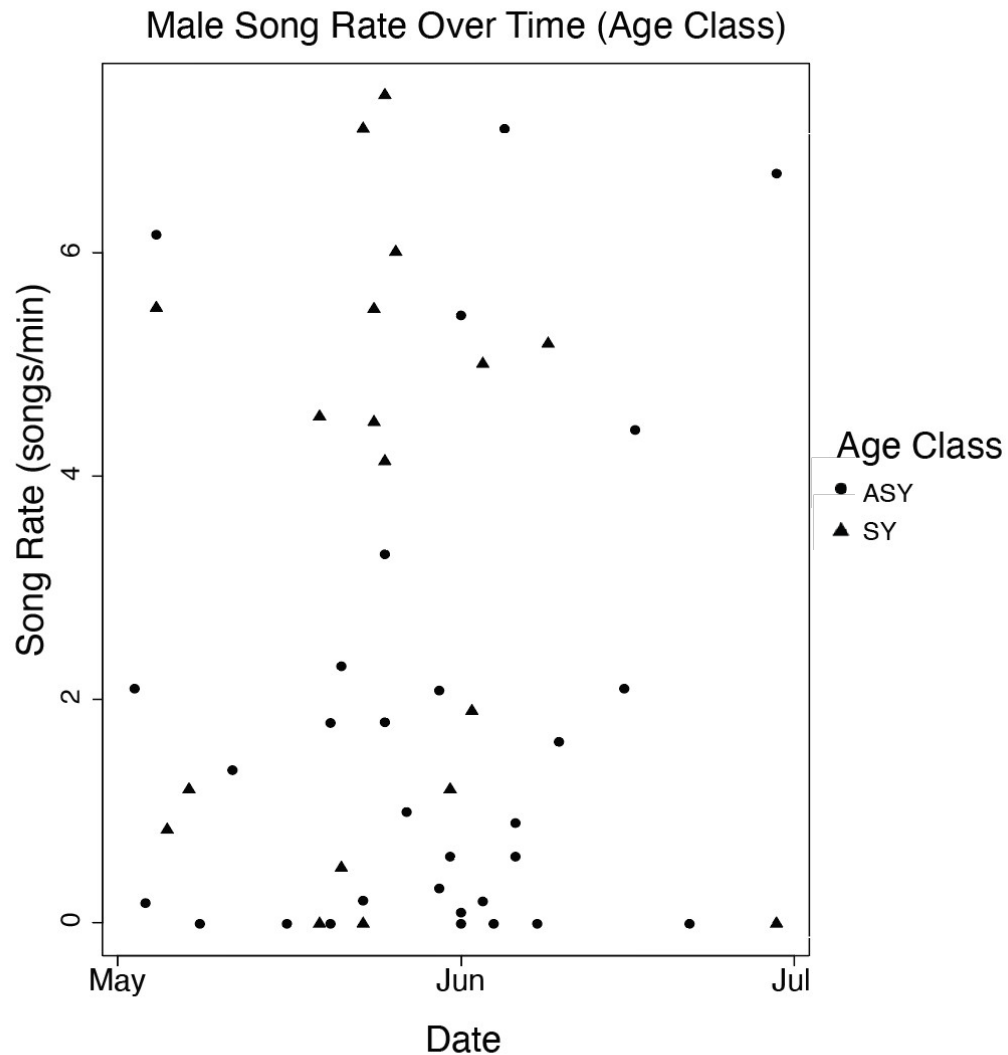


### Appendix 3



ASY Male (n=30) and SY male (n=18) song rates during the course of the breeding season are shown above, beginning in early May, and ending at the end of June. SY males sang an average of  $3.36 \pm 2.61$  songs per minute, while ASY males sang an average of  $1.76 \pm 2.15$  songs/min. The majority of SY males do not find a mate during their first breeding season, which likely explains why their song rate remains high throughout the breeding season (Enstrom 1993). There was no effect of time on song rate for either age class (Appendix 7).